Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 1

HOLE NAME : **SITE NAME :** **Exp. :** 319 **REPORT DATE :** 11/May/2009

DEPTH : @24:00 mBRT mbsf PROGRESS : Water Depth : mBRT RT-MSL : **28.3** m SINCE MOVE : **0**

@06:00 mBRT mbsf DRILLING/CORING Hrs. : hrs LAST CASING : x mbsf

SUMMARY OF OPERATION: Loading, Prepare for spud

PRESENT OPERATION @06:00 on **11-May** : Loading operation

mBRT: meter below rotary table

mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **10-May**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	0:00	0:00	Others	Loading materials.
				Conduct rig maintenance. Hang off traveling block and troubleshoot on emergency caliper and Eaton brake.
				Prepare for spud in.
				Continue to work on drawworks.
				Loading 13-3/8" on FWD pipe rack and 36"conductor on AFT. Take measurement.
				Loading Guide Horn.
				Bulk loading of barite and LWC from KAIKO
				Troubleshoot on deck crane #4. Change out cables.

TIME BREAKDOWN (00:00 - 06:00 on 11-May) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	6:00	6:00	Others	Loading Material. Prepare for spud in
				Loading 20"CSG on AFT pipe rack and take measurement.
				Start mixing mud.
				Complete overhaul of Drawworks emergency brake cylinders.
				Change out two sets of spring packs due to plates being out of tolerance port side of Drawworks.
				Troubleshoot on deck crane #4. Change out Knuckle Cylinder control valve.
				Casing Loading was continued with #3 crane over port side.

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Hrs.	WOB(ken) Min.	WOB(ken) Max.	RPM Min.	RPM Max.	TREEV. (kern)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP

BHA RECORD / CORE BARREL TYPE

BHA No. :

:

:

STRING Wt. : @ mBRT

Wt. of String (ken)	
P/U Wt. (ken)	
S/O Wt. (ken)	

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	WT	VIS	PV	YV	Gel St.	WL	Cake	pH	Pf	Cal-	K+	Content Oil	Content W	Content S	LGS	PPG	MBC	n	K	Temp In	Temp Out

SHAKER SCREEN SIZE

#1	10	84	#4	10	84		
#2	10	84	#5	10	84		
#3	10	84	#6	10	84		

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

		Daily	Total	Eff.			Daily	Total
Process Vol.	Concentrated				Generated Vol.	Distilled Water		
	Solidification					Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP
1	6					
2	6					
3	6					

Mud Gas

	Base (%)	Max. (%)	Depth (m)
Trip Gas			
Conn. Gas			

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	25,000	0	225,000
Kingie-VO (Bulk)	0	0	86,000
NaOH	0	0	4,725
Lime	0	0	3,800
Soda Ash	0	0	0
Tel-Polymer(H)	0	0	2,560
Tel-Polymer(L)	0	0	8,960
Tel-Polymer DX	0	0	12,800
XCD-Polymer	0	0	1,400
Xian-Vis	0	0	0
NaCl (Bag)	0	0	30,000
KCL (Bag)	0	0	0
Clean Lube (L)	0	0	0
Clean Lube	0	0	10,400
Tel-Clean	0	0	0
Tel-DD	0	0	0
Aster (S)	0	0	0
Lignite NC	0	0	0
Bi-Carbonate	0	0	0
Telnite GXL	0	0	90
Speeder (P)	0	0	0
Speeder (X)	0	0	0
EZ Spot	0	0	0
Deformer No.30C	0	0	224
EZ Drill	0	0	0

HELICOPTER INFORMATION

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1				
2				
3				
4				
5				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Press.	
Kick Tolerance	

BOP TESTS

Last Test On	2007.12.22
Annular BOPs To	
Ram BOPs To	

PERSONNEL @24:00

CDEX	5
MQJ Crew	86
MQJ(Other)	3
MWJ	15
Scientist	
Sub Con.	
Schlumberger	10
Mud Logging	4
MI-Swaco	0
ROV	6
Telnite	2
Coring	
Vetco Gray	1
Core IRM	3
Vendors	5
Others	0
Total	140

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

GEOLOGIC INFORMATION

From	To	Litho logy

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	0	50	212
Potable Water m3	0	5	274
Drill Water m3	516	5	2169
Fuel m3	0	20.2	7454
Lube, Oil Ltrs	0	0	101900
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	0
Cement "DEEP CRETE" ton	0	0	73
Cement "LWC" ton	115	0	187

BOAT INFORMATION

Boat Name	Status	Time Arrived	Time Departed

MARINE INFORMATION @24:00

Heave (m)	-
Pitch (deg)	-
Roll (deg)	-
Vessel Heading (deg)	19
Drift (m)	-
Riser Tension (Moon)	-
V.D. Load (Moon)	14,981.6
Max Draught (m)	8.80
Thruster (kW)	-

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(m/s)	CURRENT Dir. (deg)	VISIBILITY (km)
24:00	bc	20	20.2	1013.8	1.0	210	2.2	0.1	200	11.2	-	-	20

TODAY'S SCHEDULE : **Loading Operation**

REPORTED BY : Y.Kawano

APPROVED BY : T.ABE

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 2

HOLE NAME : **SITE NAME :** **Exp. :** 319 **REPORT DATE :** 12/May/2009

DEPTH : @24:00 mBRT mbsf PROGRESS : Water Depth : mBRT RT-MSL : **28.3** m SINCE MOVE : **0**

@06:00 mBRT mbsf DRILLING/CORING Hrs. : hrs LAST CASING : x mbsf

SUMMARY OF OPERATION: Loading, Prepare for spud

PRESENT OPERATION @06:00 on **12-May** : Loading operation

mBRT: meter below rotary table

mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **11-May**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	0:00	0:00	Others	Loading Material. Prepare for spud in
				Loading 20"CSG on AFT pipe rack and 13-3/8"CSG on FWD. Take measurement.
				Loading Wellhead Materials, BHA component, Guide Hone and Mud materials.
				Start mixing mud. Establish 68KL of kill Mud (1.30SG) based on the storage mud for training core.
				Complete overhaul of Drawworks emergency brake cylinders and Eaton 3 plates.
				Change out two sets of spring packs due to plates being out of tolerance port side of Drawworks. Conduct brake test.
				Backload subsea equipment from sack store.
				Troubleshoot on deck crane #4. Change out Knuckle Cylinder control valve.
				Casing Loading was continued with #3 crane over port side.
				Pressure Test on IBOPs in HPS and Rotary Hose. (Low 250psi, High 5,000psi)
				Continue with BOP maintenance.
				Derrick elevator has passed inspection and is now back in service for personnel use.
				Two of the Riser tensioner measuring devices have been removed ready for the upgrade

TIME BREAKDOWN (00:00 - 06:00 on 12-May) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	6:00	6:00	Others	Loading Material. Prepare for spud in
				Mix NaCl to Drill Water. (for NaCl-KCl-PPG -Polymer mud)

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Hrs.	WOB(ken) Min.	WOB(ken) Max.	RPM Min.	RPM Max.	TREEV. (kern)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP

BHA RECORD / CORE BARREL TYPE

BHA No. :

STRING Wt. : @ mBRT

Wt. of String (ken)	
P/U Wt. (ken)	
S/O Wt. (ken)	

MUD PROPERTIES

Mud Type	Time	Depth(mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cal-	K+	Content Oil	Content W	Content S	LGS	PPG	MBC	n	K	Temp In	Temp Out
6%Pre-Hy (Kill Mud)	9:30		1.30	65	31	32	11	18			10.7										0.58	1.72		

SHAKER SCREEN SIZE

#1	10	84	#4	10	84
#2	10	84	#5	10	84
#3	10	84	#6	10	84

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

		Daily	Total	Eff.			Daily	Total
Process Vol.	Concentrated				Generated Vol.	Distilled Water		
	Solidification					Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP
1	6					
2	6					
3	6					

Mud Gas

Base (%)	Max. (%)	Depth (m)
Trip Gas		
Conn. Gas		

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	20700	204,300
Kingie-VO (Bulk)	0	0	86,000
NaOH	0	25	4,700
Lime	0	0	3,800
Soda Ash	0	0	0
Tel-Polymer(H)	0	0	2,560
Tel-Polymer(L)	0	0	8,960
Tel-Polymer DX	0	0	12,800
XCD-Polymer	0	125	1,275
Xian-Vis	0	0	0
NaCl (Bag)	0	0	30,000
KCL (Bag)	0	0	0
Clean Lube (L)	0	0	0
Clean Lube	0	0	10,400
Tel-Clean	0	0	0
Tel-DD	0	0	0
Aster (S)	0	0	0
Lignite NC	0	0	0
Bl-Carbonate	0	0	0
Telnite GXL	0	0	90
Speeder (P)	0	0	0
Speeder (X)	0	0	0
EZ Spot	0	0	0
Deformer No.30C	0	0	224
EZ Drill	0	0	0

HELICOPTER INFORMATION

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1				
2				
3				
4				
5				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Press.	
Kick Tolerance	

BOP TESTS

Last Test On	2007.12.22
Annular BOPs To	
Ram BOPs To	

PERSONNEL @24:00

CDEX	5
MQJ Crew	86
MQJ(Other)	4
MWJ	14
Scientist	1
Sub Con.	
Schlumberger	10
Mud Logging	4
MI-Swaco	0
ROV	6
Telnite	2
Coring	
Vetco Gray	1
Core IRM	3
Vendors	6
Others	0
Total	142

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

Conduct emergency drill @ 10:00

GEOLOGIC INFORMATION

From	To	Litho logy

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	149	57	304
Potable Water m3	38	6	306
Drill Water m3	0	54	2115
Fuel m3	0	21.5	7432.5
Lube, Oil Ltrs	0	500	101400
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	0
Cement "DEEP CRETE" ton	0	0	73
Cement "LWC" ton	0	0	187

BOAT INFORMATION

Boat Name	Status	Time Arrived	Time Departed

MARINE INFORMATION @24:00

Heave (m)	-
Pitch (deg)	-
Roll (deg)	-
Vessel Heading (deg)	19
Drift (m)	-
Riser Tension (Moon)	-
V.D. Load (Moon)	15,149.2
Max Draught (m)	8.90
Thruster (kW)	-

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(m/s)	CURRENT Dir. (deg)	VISIBILITY (km)
24:00	bc	18	20.4	1013.7	2.9	280	3.1	0.1	300	12.3	-	-	20

TODAY'S SCHEDULE : **Loading Operation, Leave port @ 17:00**

REPORTED BY : Y.Kawano

APPROVED BY : T.ABE

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 3

HOLE NAME : **SITE NAME :** **Exp. :** 319 **REPORT DATE :** 13/May/2009

DEPTH : @24:00 mBRT mbsf PROGRESS : Water Depth : mBRT RT-MSL : **28.3** m SINCE MOVE : **1**

@06:00 mBRT mbsf DRILLING/CORING Hrs. : hrs LAST CASING : x mbsf

SUMMARY OF OPERATION: Loading, Prepare for spud, Leave berth at Shingu, Transit, Prepare for sea bed survey

PRESENT OPERATION @06:00 on **13-May** : Run BHA for sea bed survey

mBRT: meter below rotary table

mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **12-May**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	0:00	0:00	Others	Loading Material. Prepare for spud in
				Mix NaCl to Drill Water. (for NaCl-KCl-PPG -Polymer mud)
15:00	17:00	2:00	Others	Shut out Loading operation @ 15:00
				Prepare for leaving. Secure materials on board.
17:00	23:00	6:00	Moving	Transit to Location A (the beginning point of sea bed survey. Lat.33deg 33.895'N, Lon.136deg 28.792'E)
				Leave berth at Shingu with pilot assistance @17:00. Transit to Location A at average 7.5knot. On Location @ 23:00
				Make up 2stds of 8-1/2"DC with pad eye sub and side entry sub for sea bed survey.
				Shift to DP mode.
23:00	0:00	1:00	Others	Install ROV cursor rail.
				Conduct TBRA and move Moon Pool Hoses from PTS onto Working Cart.
				Establish 60.5KL of 1.30sg Kill Mud (Total:128.5KL). Mix 309.2KL of 6%NaCl Solution.
				Start observing location by watching boat "Heiseimaru"

TIME BREAKDOWN (00:00 - 06:00 on 13-May) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	4:30	4:30	Others	Move Moon Pool Hoses from PTS onto Working Cart.
				Install 20m nylon rope to the bottom of BHA.
4:30	6:00	1:30	Trip	Run BHA to 364m.

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Hrs.	WOB(ken) Min.	WOB(ken) Max.	RPM Min.	RPM Max.	TREEV. (kern)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP

BHA RECORD / CORE BARREL TYPE

BHA No. :

:

:

STRING Wt. : @ mBRT

Wt. of String (ken)	
P/U Wt. (ken)	
S/O Wt. (ken)	

MUD PROPERTIES

Mud Type	Time	Depth(mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cal-	K+	Content Oil	Content W	Content S	LGS	PPG	MBC	n	K	Temp In	Temp Out
6%Pre-Hy (Kill Mud)	24:00		1.30	89	48	32	14	31			11.2										0.68	1.17	25	

SHAKER SCREEN SIZE

#1	10	84	#4	10	84
#2	10	84	#5	10	84
#3	10	84	#6	10	84

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

		Daily	Total	Eff.			Daily	Total
Process Vol.	Concentrated				Generated Vol.	Distilled Water		
	Solidification					Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP
1	6					
2	6					
3	6					

Mud Gas

Base (%)	Max. (%)	Depth (m)
Trip Gas		
Conn. Gas		

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	43,000	161,300
Kingie-VO (Bulk)	0	0	86,000
NaOH	0	50	4,650
Lime	0	0	3,800
Soda Ash	0	0	0
Tel-Polymer(H)	0	0	2,560
Tel-Polymer(L)	0	0	8,960
Tel-Polymer DX	0	0	12,800
XCD-Polymer	0	125	1,150
Xian-Vis	0	0	0
NaCl (Bag)	12,000	18,000	24,000
KCL (Bag)	0	0	0
Clean Lube (L)	0	0	0
Clean Lube	0	0	10,400
Tel-Clean	0	0	0
Tel-DD	0	0	0
Aster (S)	0	0	0
Lignite NC	0	0	0
Bl-Carbonate	0	0	0
Telnite GXL	0	0	90
Speeder (P)	0	0	0
Speeder (X)	0	0	0
EZ Spot	0	0	0
Deformer No.30C	0	0	224
EZ Drill	0	0	0

HELICOPTER INFORMATION

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1				
2				
3				
4				
5				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Press.	
Kick Tolerance	

BOP TESTS

Last Test On	2007.12.22
Annular BOPs To	
Ram BOPs To	

PERSONNEL @24:00

CDEX	5
MQJ Crew	85
MQJ(Other)	4
MWJ	14
Scientist	1
Sub Con.	
Schlumberger	10
Mud Logging	0
MI-Swaco	0
ROV	6
Telnite	2
Coring	
Vetco Gray	1
Core IRM	3
Vendors	6
Others	0
Total	137

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

GEOLOGIC INFORMATION

From	To	Litho logy

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	0	51	253
Potable Water m3	0	4	302
Drill Water m3	0	245	1,870
Fuel m3	0	29.9	7,402.6
Lube, Oil Ltrs	0	2600	98,800
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	0
Cement "DEEP CRETE" ton	0	0	73
Cement "LWC" ton	0	0	187

BOAT INFORMATION

Boat Name	Status	Time Arrived	Time Departed

MARINE INFORMATION @24:00

Heave (m)	0.1
Pitch (deg)	0.2
Roll (deg)	0.1
Vessel Heading (deg)	270
Drift (m)	-
Riser Tension (Moon)	-
V.D. Load (Moon)	15,245.8
Max Draught (m)	9.20
Thruster (kW)	720

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(m/s)	CURRENT Dir. (deg)	VISIBILITY (km)
24:00	bc	21.5	20.9	1006.8	12.4	240	13.8	1.2	240	5.2	-	-	20

TODAY'S SCHEDULE : **Run BHA above sea bed, Jump ROV for sea bed survey**

REPORTED BY : Y.Kawano

APPROVED BY : T.ABE

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 4

HOLE NAME : **SITE NAME :** **Exp. :** 319 **REPORT DATE :** 14/May/2009

DEPTH : @24:00 mBRT mbsf PROGRESS : Water Depth : mBRT RT-MSL : **28.3** m SINCE MOVE : **2**

@06:00 mBRT mbsf DRILLING/CORING Hrs. : hrs LAST CASING : x mbsf

SUMMARY OF OPERATION: Run BHA for sea bed survey, Sea Bed Survey

PRESENT OPERATION @06:00 on **14-May** : **Sea bed survey (on the way from Location B to C at 3.6km away from Location B)**

mBRT: meter below rotary table
mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **13-May**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	4:30	4:30	Others	Move Moon Pool Hoses from PTS onto Working Cart.
				Install 20m nylon rope to the bottom of BHA.
4:30	6:45	1:30	Trip	Run BHA to 364m.
6:45	8:45	0:30		Troubleshoot HR #1 with sliding motor.
				Switch Motor and Spacer plate from HR#1to HR #2 and get back in work with HR #2.
8:45	14:45	6:00	Surv	Resume run BHA and tag sea bed @ 2076.5mBRT(2048.2mWD) with string. ROV depth reading seabed: 2053mWD
				Depth calibration ROV and string.
				BTM of string@2045.3mBRT(2017mWD) / ROV depth reading at BTM of string 2021mWD.(4.0m difference)
14:45	15:15	0:30	Surv	ROV tried to catch the sling at the bottom of the string before the survey.
15:15	16:30	1:15	Other(N)	Observed hydraulic oil leak from ROV arm. Recovered ROV and troubleshoot the same.
16:30	17:00	0:30	Surv	Dived ROV and caught the sling. No unexpected shallow obstruction along the route.
17:00	23:30	5:30	Surv	Commenced depth survey on Route A.
				Seabed Water Depth: 2034-2039mWD
				Average ROV survey water depth is 2036m, while average water depth of Bathymetry was 2052m. (ROV survey depth is 16m shallower)
				Surface Current: 0.8-1.2knots, Direction 300deg., Survey Speed: 0.7-0.8knots
23:30	0:00	0:30	Surv	Arrived at Point B and stop vessel for changing course on Route B.
				Depth calibration ROV and String.
				BTM of string @2045.5mBRT(2017.2mWD)/ROV depth reading at BTM of string 2022mWD.(4.8m difference)
				Meanwhile
				Prepare 36" conductors and 20"casings
				Service and measure 20"wellhead and casing
				Service 36" wellheads
				Installed hydrate seal on 36"WH
				Stack up GRA/Mudmat on Pipe Rack and lowered down to BOP cart.

TIME BREAKDOWN (00:00 - 06:00 on 14-May) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	2:30	2:30	Surv	Commenced depth survey on Route B.
2:30	4:45	2:15	Other(N)	ROV manipulator hit an abandoned material (rope) and break away from the same.
				Retrieve ROV to surface and confirm no debris on ROV, no wrapping up of umbilical cable on the string.
4:45	5:45	1:00	Other(N)	Launch ROV to 2000mMSL(ROV reading)
5:45	6:00	0:15	Other(N)	Confirm ROV compass functions correctly.

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Hrs.	WOB(ken) Min.	WOB(ken) Max.	RPM Min.	RPM Max.	TREEV. (kern)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP

BHA RECORD / CORE BARREL TYPE

BHA No. :

STRING Wt. : @ mBRT

Wt. of String (ken)	
P/U Wt. (ken)	
S/O Wt. (ken)	

MUD PROPERTIES

Mud Type	Time	Depth(mBRT)	MW	VIS	PV	YV	Gel St.	WL	Cake	pH	Pf	Cal-	K+	Content Oil	Content W	Content S	LGS	PPG	MBC	n	K	Temp In	Temp Out

SHAKER SCREEN SIZE

#1	10	84	#4	10	84
#2	10	84	#5	10	84
#3	10	84	#6	10	84

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

		Daily	Total	Eff.			Daily	Total
Process Vol.	Concentrated				Generated Vol.	Distilled Water		
	Solidification					Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP
1	6					
2	6					
3	6					

Mud Gas

Base (%)	Max. (%)	Depth (m)
Trip Gas		
Conn. Gas		

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	28,940	132,360
Kingie-VO (Bulk)	0	52730	33,270
NaOH	0	50	4,600
Lime	0	0	3,800
Soda Ash	0	0	0
Tel-Polymer(H)	0	0	2,560
Tel-Polymer(L)	0	0	8,960
Tel-Polymer DX	0	0	12,800
XCD-Polymer	0	150	1,000
Xian-Vis	0	0	0
NaCl (Bag)	0	0	24,000
KCL (Bag)	0	0	0
Clean Lube (L)	0	0	0
Clean Lube	0	0	10,400
Tel-Clean	0	0	0
Tel-DD	0	0	0
Aster (S)	0	0	0
Lignite NC	0	0	0
Bl-Carbonate	0	0	0
Telnite GXL	0	0	90
Speeder (P)	0	0	0
Speeder (X)	0	0	0
EZ Spot	0	0	0
Deformer No.30C	0	0	224
EZ Drill	0	0	0

HELICOPTER INFORMATION

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	8:37	9:21	Test Flight	
2	10:59	11:11	9	9
3	13:06	13:14	7	4
4				
5				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Press.	
Kick Tolerance	

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

BOP TESTS

Last Test On	2007.12.22
Annular BOPs To	
Ram BOPs To	

PERSONNEL @24:00

CDEX	5
MQJ Crew	87
MQJ(Other)	3
MWJ	14
Scientist	1
Sub Con.	
Schlumberger	10
Mud Logging	0
MI-Swaco	0
ROV	6
Telnite	2
Coring	
Vetco Gray	1
NOV	4
Core IRM	3
Vendors	4
Others	0
Total	140

GEOLOGIC INFORMATION

From	To	Litho logy

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	48	54	247
Potable Water m3	0	2	300
Drill Water m3	0	210	1,660
Fuel m3	0	40.8	7,361.8
Lube, Oil Ltrs	0	0	98,800
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	0
Cement "DEEP CRETE" ton	0	0	73
Cement "LWC" ton	0	0	187

BOAT INFORMATION

Boat Name	Status	Time Arrived	Time Departed
KAIKO	in Shingu Port		

MARINE INFORMATION @24:00

Heave (m)	0.1
Pitch (deg)	0.2
Roll (deg)	0.1
Vessel Heading (deg)	270
Drift (m)	-
Riser Tension (Moon)	-
V.D. Load (Moon)	15,006.3
Max Draught (m)	9.20
Thruster (kW)	1,400

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(m/s)	CURRENT Dir. (deg)	VISIBILITY (km)
24:00	bc	18.5	20.1	1008.4	13.4	24	15	1.1	30	5.4	0.7	324	20

TODAY'S SCHEDULE : **Sea bed survey**

REPORTED BY : Y.Kawano

APPROVED BY : T.ABE

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 5

HOLE NAME : **SITE NAME :** **Exp. :** 319 **REPORT DATE :** 15/May/2009

DEPTH : @24:00 mBRT mbsf PROGRESS : Water Depth : mBRT RT-MSL : **28.3** m SINCE MOVE : **3**

@06:00 mBRT mbsf DRILLING/CORING Hrs. : hrs LAST CASING : x mbsf

SUMMARY OF OPERATION **Sea bed survey**

PRESENT OPERATION @06:00 on **15-May** : **Troubleshoot ROV umbilical cable**

mBRT: meter below rotary table

mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **14-May**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	2:30	2:30	Surv	Commenced depth survey on Route B.
2:30	4:45	2:15	Other(N)	ROV manipulator hit an abandoned material (rope) and break away from the same.
				Retrieve ROV to surface and confirm no debris on ROV, no wrapping up of umbilical cable on the string.
4:45	5:45	1:00	Other(N)	Launch ROV to 2000mMSL(ROV reading)
5:45	6:15	0:30	Other(N)	Confirm ROV compass functions correctly.
6:15	11:45	5:30	Surv	Resume sea bed survey to Point C
				Arrived at Point C and stop vessel for changing course on Route C.
11:45	13:30	1:45	Surv	Depth calibration ROV and String.
				Tag sea bed @ 2083.1mBRT(2054.8mWD) with string. ROV depth reading seabed:2061mWD
				Found ROV altimeter discrepancy on calibration after ROV touch the sea bed.
				Altimeter reading is 11m at 20m off bottom (drill pipe measurement)
				Checked altimeter reading with drill string from seabed to 25m off bottom by 5m. Reviewed past results and checked same.
13:30	14:30	1:00	Surv	Stop vessel and conduct depth calibration 400m away from Point C to check ROV Altimeter accuracy.
14:30	22:15	7:45	Surv	Resume sea bed survey to Point C
				Investigate error of ROV altimeter reading. Find out correction factor for altimeter reading should be 1.67 for all the past site.
				With this correction factor, result of survey almost fits in bathymetry.
22:15	23:15	1:00	Surv	Arrive at Location D @22:15
				Tag sea bed @ 2072.5mBRT(2044.2mWD) with string. ROV depth reading seabed:2049mWD (Difference: 4.8m)
				Confirm Altimeter correction factor is still 1.67. Revised survey results after ROV altimeter recalibration
				Route A: Avg. 2048mWD. Max.2038mWD, Min.2051mWD
23:15	0:00	0:45	Transit	Retrieve ROV and back on deck @ 23:15 Current: Avg. 1knot, Min. 0.8knots, Max 1.2knots Avg. Direction 291-317deg.
				Change vessel heading to Location E. Route B: Avg. 2058mWD. Min.2048mWD, Max.2063mWD
				Current: Avg. 1.4knot, Min. 0.6knots, Max 1.9knots Avg. Direction 283-309deg.
				Route C: Avg. 2049mWD. Max.2045mWD, Min.2054mWD
				Current: Avg. 0.7knot, Min. 0.3knots, Max 1.5knots Avg. Direction 210-314deg.

TIME BREAKDOWN (00:00 - 06:00 on 15-May) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	0:15	0:15	Transit	Resume changing vessel heading to Location E
0:15	4:00	3:45	Transit	Transit to Location E in DP mode at 1.6knot hanging drill string @2008m On Location E @ 4:00
4:00	4:30	0:30	Transit	Change vessel heading to Location C
4:30	5:45	1:15	Other(N)	Dive ROV to 2000mMSL (ROV reading)
5:45	6:00	0:15	Other(N)	Troubleshoot ROV umbilical cable. Ongoing
				Observe broken strand of armored cable has nested into the A frame turn down sheave.

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Hrs.	WOB(ken) Min.	WOB(ken) Max.	RPM Min.	RPM Max.	TREEV. (kern)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP

BHA RECORD / CORE BARREL TYPE

BHA No. :

:

:

STRING Wt. : @ mBRT

Wt. of String (ken)	
P/U Wt. (ken)	
S/O Wt. (ken)	

MUD PROPERTIES

Mud Type	Time	Depth(mBRT)	MW	VIS	PV	YV	Gel St.	WL	Cake	pH	Pf	Cal-	K+	Content Oil	Content W	Content S	LGS	PPG	MBC	n	K	Temp In	Temp Out

SHAKER SCREEN SIZE

#1	10	84	#4	10	84
#2	10	84	#5	10	84
#3	10	84	#6	10	84

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

		Daily	Total	Eff.			Daily	Total
Process Vol.	Concentrated				Generated Vol.	Distilled Water		
	Solidification					Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP
1	6					
2	6					
3	6					

Mud Gas

Base (%)	Max. (%)	Depth (m)
Trip Gas		
Conn. Gas		

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	3,860	128,500
Kingie-VO (Bulk)	0	20500	12,770
NaOH	0	50	4,600
Lime	0	0	3,800
Soda Ash	0	0	0
Tel-Polymer(H)	0	0	2,560
Tel-Polymer(L)	0	0	8,960
Tel-Polymer DX	0	0	12,800
XCD-Polymer	0	150	1,000
Xian-Vis	0	0	0
NaCl (Bag)	0	0	24,000
KCL (Bag)	0	0	0
Clean Lube (L)	0	0	0
Clean Lube	0	0	10,400
Tel-Clean	0	0	0
Tel-DD	0	0	0
Aster (S)	0	0	0
Lignite NC	0	0	0
Bl-Carbonate	0	0	0
Telnite GXL	0	0	90
Speeder (P)	0	0	0
Speeder (X)	0	0	0
EZ Spot	0	0	0
Deformer No.30C	0	0	224
EZ Drill	0	0	0

HELICOPTER INFORMATION

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	9:10	9:16	8	8
2	11:10	11:19	8	8
3				
4				
5				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Press.	
Kick Tolerance	

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

BOP TESTS

Last Test On	2007.12.22
Annular BOPs To	
Ram BOPs To	

PERSONNEL @24:00

CDEX	5
MQJ Crew	87
MQJ(Other)	3
MWJ	14
Scientist	1
Sub Con.	
Schlumberger	10
Mud Logging	0
MI-Swaco	0
ROV	6
Telnite	2
Coring	
Vetco Gray	1
NOV	4
Core IRM	3
Vendors	4
Others	0
Total	140

GEOLOGIC INFORMATION

From	To	Litho logy

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	118	76	289
Potable Water m3	0	4	296
Drill Water m3	0	115	1,545
Fuel m3	0	47	7,314.8
Lube, Oil Ltrs	0	0	98,800
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	0
Cement "DEEP CRETE" ton	0	0	73
Cement "LWC" ton	0	0	187

BOAT INFORMATION

Boat Name	Status	Time Arrived	Time Departed
KAIKO	Shingu Port		20:00
KAIKO	Chikyu	6:00	

MARINE INFORMATION @24:00

Heave (m)	0.2
Pitch (deg)	0.3
Roll (deg)	0.2
Vessel Heading (deg)	20
Drift (m)	0.9
Riser Tension (Moon)	-
V.D. Load (Moon)	14,825.4
Max Draught (m)	9.20
Thruster (kW)	4,080

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(m/s)	CURRENT Dir. (deg)	VISIBILITY (km)
24:00	bc	18	20.5	1014	11.5	10	12.3	1.2	30	5.4	0.7	324	20

TODAY'S SCHEDULE : **Repair ROV, POOH**

REPORTED BY : Y.Kawano

APPROVED BY : T.ABE

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 6

HOLE NAME : | **SITE NAME :** NT2-11B | **Exp. :** 319 | **REPORT DATE :** 16/May/2009

DEPTH : @24:00 mBRT mbsf PROGRESS : Water Depth : mBRT RT-MSL : 28.3 m SINCE MOVE : 4

@06:00 mBRT mbsf DRILLING/CORING Hrs. : hrs LAST CASING : x mbsf

SUMMARY OF OPERATION

PRESENT OPERATION @06:00 on 16-May : PU and MU 18-3/4"CART Tool with 5-1/2"DP S150 Stand

Trouble Shoot ROV umbilical cable / POOH / Prepare for 36" Conductor jetting

mBRT: meter below rotary table

mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on 15-May)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	0:15	0:15	Transit	Resumed changing vessel heading to survey point E.
0:15	4:00	3:45	Transit	Transit to Location E in DP mode at 1.6knot hanging drill string @2008m
4:00	4:30	0:30	Transit	Changed vessel heading to Location C
4:30	5:45	1:15	Survey	Launched ROV to 2000mMSL. (ROV reading).
5:45	6:00	0:15	Other(N)	Observed ROV trouble with umbilical cable @ 2010m. Recover ROV to 1988m.
6:00	14:30	8:30	Trip	Repaired damaged umbilical. Decide to stop seabed survey. POOH survey BHA to surface.
14:30	16:45	2:15	Other	Picked up. Jar and 2jt of 8-1/2"DC . and racked the same back in the derrick.
16:45	19:30	2:45	Other	Conducted TBRA and move GRA w/mud matt from BOP cart to Working cart (picking up by DW). Secure them on the Working cart.
19:30	0:00	4:30	Other	Conducted TBRA and pick up 26"Jetting BHA.
				Meanwhile: Removing a tangled strand from umbilical cable on the ROV.

TIME BREAKDOWN (00:00 - 06:00 on 16-May) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	1:00	1:00		Conducted TBRA. Performed surface test on mud motor and MWD components with 125spm, 620gpm with 2.3Mpa. OK
1:00	2:00	1:00		POOH to surface & racked back 26"BHA.
2:00	2:45	0:45		Cleared rig floor of all excess equipment. Reinstall aft side HR skid plates.
2:45	6:00	3:15		PU&MU BOP isolation tool with 1stand of 5-1/2" DP S150 and racked back same
				PU and MU 18-3/4"CART with 5-1/2"S-150 DP stand.
				Meanwhile: Removed entanglement at 4:00am and commenced ROV recovery.
				Found the other side of parted strand at 768mWD at 4:15am
				Confirmed the cable above is clear. Continued to recover ROV. ROV at Surface at 5:45am

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Hrs.	WOB(ken) Min.	WOB(ken) Max.	RPM Min.	RPM Max.	TREEV. (kern)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP
1	26	TIX	SS-MZC	111	65937-T	3x24, 1x24																	

BHA RECORD / CORE BARREL TYPE

BHA No. :No.1 26"Bit x 9-5/8"Mud Motor x Float sub x Spacer Sub x ARC8 with APWD x Telescope MWD x 25-15/16" Stab x 8-1/2"NMDC① x 26"Stab x 8-1/2"DC②

: x 36"DATx 8-1/2"D C ⑥ 7-3/4"Mechanical Jar x 8-1/2"DC ⑤ x X-O x 5-1/2"DP(S-150)

:

STRING Wt. : @ mBRT

Wt. of String (ken)	
P/U Wt. (ken)	
S/O Wt. (ken)	

MUD PROPERTIES

Mud Type	Time	Depth(mBRT)	MW	VIS	PV	YV	Gel St.	WL	Cake	pH	Pf	Cal-	K+	Content Oil	Content W	Content S	LGS	PPG	MBC	n	K	Temp In	Temp Out

SHAKER SCREEN SIZE

#1	10	84	#4	10	84
#2	10	84	#5	10	84
#3	10	84	#6	10	84

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

		Daily	Total	Eff.			Daily	Total
Process Vol.	Concentrated				Generated Vol.	Distilled Water		
	Solidification					Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP
1	6					
2	6					
3	6					

Mud Gas

Base (%)	Max. (%)	Depth (m)
Trip Gas		
Conn. Gas		

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	128,500
Kingie-VO (Bulk)	0	0	12,770
NaOH	0	250	4,350
Lime	0	250	3,550
Soda Ash	0	0	0
Tel-Polymer(H)	0	0	2,560
Tel-Polymer(L)	0	0	8,960
Tel-Polymer DX	0	0	12,800
XCD-Polymer	0	150	1,000
Xian-Vis	0	0	0
NaCl (Bag)	0	0	24,000
KCL (Bag)	30,000	0	30,000
Clean Lube (L)	0	0	0
Clean Lube	0	0	10,400
Tel-Clean	0	0	0
Tel-DD	0	0	0
Aster (S)	0	0	0
Lignite NC	0	0	0
Bl-Carbonate	0	0	0
Telnite GXL	0	0	90
Speeder (P)	0	0	0
Speeder (X)	0	0	0
EZ Spot	0	0	0
Deformer No.30C	0	0	224
EZ Drill	0	0	0

HELICOPTER INFORMATION

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	9:09	9:20	6	10
2				
3				
4				
5				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Press.	
Kick Tolerance	

BOP TESTS

Last Test On	2007.12.22
Annular BOPs To	
Ram BOPs To	

PERSONNEL @24:00

CDEX	5
MQJ Crew	87
MQJ(Other)	2
MWJ	14
Scientist	1
Sub Con.	
Schlumberger	6
Mud Logging	0
MI-Swaco	0
ROV	6
Telnite	2
Coring	0
Vetco Gray	1
NOV	2
Core IRM	3
Vendors	0
Others	7
Total	136

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

GEOLOGIC INFORMATION

From	To	Litho logy

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	63	52	300
Potable Water m3	0	13	283
Drill Water m3	56	21	1,580
Fuel m3	0	45.5	7,269.3
Lube, Oil Ltrs	0	0	98,800
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	0
Cement "DEEP CRETE" ton	0	0	73
Cement "LWC" ton	0	0	187

BOAT INFORMATION

Boat Name	Status	Time Arrived	Time Departed
KAIKO	Chikyu	6:00	
Heisei Maru	Chikyu		

MARINE INFORMATION @24:00

Heave (m)	0.4
Pitch (deg)	0.3
Roll (deg)	0.2
Vessel Heading (deg)	200
Drift (m)	0.4
Riser Tension (Moon)	-
V.D. Load (Moon)	14,757.2
Max Draught (m)	9.20
Thruster (kW)	1,900

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(m/s)	CURRENT Dir. (deg)	VISIBILITY (km)
24:00	bc	18.5	20.7	1019.8	10.2	100	11	1.3	90	5.9	0.9	230	20

TODAY'S SCHEDULE : Preparation for 36" Conductor Jetting Operation, Deploy Transponders

REPORTED BY : T.Saruhashi / D.Ikenomoto

APPROVED BY : I. Sawada

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 7

HOLE NAME : **SITE NAME :** **NT2-11B** **Exp. :** **319** **REPORT DATE :** **17/May/2009**

DEPTH : @24:00 mBRT mbsf PROGRESS : Water Depth : mBRT RT-MSL : **28.3** m SINCE MOVE : **5**

@06:00 mBRT mbsf DRILLING/CORING Hrs. : hrs LAST CASING : x mbsf

SUMMARY OF OPERATION

PRESENT OPERATION @06:00 on **17-May** : **Continue to mark 1m jetting line on 36" conductors on pip rack.**

mBRT: meter below rotary table

mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **16-May**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	1:00	1:00	Other	Conducted TBRA. Performed surface test on mud motor and MWD components with 125spm, 620gpm with 2.3Mpa. OK
1:00	2:00	1:00	Other	POOH to surface & racked back 26"BHA.
2:00	2:45	0:45	Other	Cleared rig floor of all excess equipment. Reinstall aft side HR skid plates.
2:45	6:00	3:15	Other	PU&MU BOP isolation tool with 1stand of 5-1/2" DP S150 and racked back same
				PU and MU 18-3/4"CART with 5-1/2"S-150 DP stand.
				Meanwhile: Removed entanglement at 4:00 am and commenced ROV recovery.
				Confirmed no strand loosen at previous reparied portion.
				Confirmed the cable above is clear. Continued to recover ROV. ROV at Surface at 5:45 am
6:00	7:00	1:00	Other	Change elevator inserts 6 5/8", prepare 36" belt tongs, remove manipulator arm head. Install sling to HR1 main arm.
7:00	11:30	4:30	Other	Drill Crew assist ROV to spool off umbilical cable for repair job. Found loosen a single strand at 280mWD and repaired same
				Meanwhile Hydraulic Mech replace PS-30 flushing block, install power slips & carry out full function test.
				Install X-O(6BX flange-1502female) to stand pipe A outlet to accommodate MWD pressure sensor.
11:30	14:15	2:45	Other	Drill Crew assist ROV to respool 2000m umbilical cable after repair job.
14:15	16:00	1:45	Other	Pick up M/u cement stand and rack back in the derrick.
16:00	17:15	1:15	Other	Conducted TBRA & test schlumberger sensors on Stand pipe manifold to 5000psi.
17:15	18:15	1:00	Other	Made up riser handling head to hydraulic manipulator arm for 36" Conductor handling.
				Meanwhile: Repair and check umbilical cable.
18:15	0:00	5:45	Other	Remove master bushings and outer ring, install 36" split bushings.
				Conducted TBRA and Picked up and ran 36" Conductor shoe joint, intermediate X-O joint
				Meanwhile, launched ROV with 4 transponders. Deploy Transponders.
				No.1-20:00, No.2- 21:26, No.3- 23:00 Vessel move to No.4 point @24:00

TIME BREAKDOWN (00:00 - 06:00 on 17-May) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	3:15	3:15	Other	Conducted TBRA and PU 36" XO joint and painted 1m mark on 36" XO joint and 1ea x 36" intermediate joint
3:15	3:45	0:30	Other	Move ship to No.5 beacon deployment point and arrived at site with DP Fix mode.
				Kaiko measured current at 5miles upstream of NT2-11B 0.5knots / 280deg. (36" conductor deployment point)
3:45	4:30	1:15	Other	Painted 1m mark on 36" intermediate joint under DP in fix mode (Current 0.8knots/280deg.)
4:30	6:00	1:30	Other	PU 36"conductors, skid working cart w/GRA & mudmat to well center. Mark 1m line on 36" pipe on pipe rack
				Meanwhile, deployed No.4 beacon and recovered ROV.
				Found single strand parted at 280mWD during ROV recovery at 2:00am. Cut out the parted strand.
				Recovered ROV on deck at 3:15am. Conducted TBRA and payout 280m of umblical on deck for repair.
				Commence deploy ROV in water at No.5 beacon deployment point at 5:15am

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Hrs.	WOB(ken) Min.	WOB(ken) Max.	RPM Min.	RPM Max.	TREEV. (kern)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP
1	26	TIX	SS-MZC	111	65937-T	3x24, 1x24																	

BHA RECORD / CORE BARREL TYPE

BHA No. :No.1 26"Bit x 9-5/8"Mud Motor x Float sub x Spacer Sub x ARC8 with APWD x Telescope MWD x 25-15/16" Stab x 8-1/2"NMDC① x 26"Stab x 8-1/2"DC②

: x 36"DATx 8-1/2"D C ⑥ 7-3/4"Mechanical Jar x 8-1/2"DC ⑤ x X-O x 5-1/2"DP(S-150)

:

STRING Wt. : @ mBRT

Wt. of String (ken)	
P/U Wt. (ken)	
S/O Wt. (ken)	

MUD PROPERTIES

Mud Type	Time	Depth(mBRT)	MW	VIS	PV	YV	Gel St.	WL	Cake	pH	Pf	Cal-	K+	Content Oil	Content W	Content S	LGS	PPG	MBC	n	K	Temp In	Temp Out

SHAKER SCREEN SIZE

#1	10	84	#4	10	84
#2	10	84	#5	10	84
#3	10	84	#6	10	84

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

		Daily	Total	Eff.			Daily	Total
Process Vol.	Concentrated				Generated Vol.	Distilled Water		
	Solidification					Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP
1	6					
2	6					
3	6					

Mud Gas

	Base (%)	Max. (%)	Depth (m)
Trip Gas			
Conn. Gas			

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	128,500
Kingie-VO (Bulk)	0	0	12,770
NaOH	0	0	4,350
Lime	0	0	3,550
Soda Ash	0	0	0
Tel-Polymer(H)	0	0	2,560
Tel-Polymer(L)	0	0	8,960
Tel-Polymer DX	0	0	12,800
XCD-Polymer	0	0	1,000
Xian-Vis	0	0	0
NaCl (Bag)	0	0	24,000
KCL (Bag)	0	18,000	12,000
Clean Lube (L)	0	0	0
Clean Lube	0	0	10,400
Tel-Clean	0	0	0
Tel-DD	0	0	0
Aster (S)	0	0	0
Lignite NC	0	0	0
Bl-Carbonate	0	0	0
Telnite GXL	0	0	90
Speeder (P)	0	0	0
Speeder (X)	0	0	0
EZ Spot	0	0	0
Deformer No.30C	0	0	224
EZ Drill	0	0	0

HELICOPTER INFORMATION

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	9:14	9:19	0	5
2				
3				
4				
5				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Press.	
Kick Tolerance	

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

PERSONNEL @24:00

CDEX	5
MQJ Crew	87
MQJ(Other)	1
MWJ	14
Scientist	1
Sub Con.	
Schlumberger	6
Mud Logging	0
MI-Swaco	0
ROV	6
Telnite	2
Coring	0
Vetco Gray	1
NOV	2
Core IRM	3
Vendors	0
Others	3
Total	131

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

GEOLOGIC INFORMATION

From	To	Litho logy

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	28	63	265
Potable Water m3	0	11	272
Drill Water m3	86	0	1,666
Fuel m3	0	44.6	7,224.7
Lube, Oil Ltrs	0	0	98,800
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	0
Cement "DEEP CRETE" ton	0	0	73
Cement "LWC" ton	0	0	187

BOAT INFORMATION

Boat Name	Status	Time Arrived	Time Departed
KAIKO	Chikyu		
Heisei Maru	Chikyu		

MARINE INFORMATION @24:00

Heave (m)	0.2
Pitch (deg)	0.3
Roll (deg)	0.2
Vessel Heading (deg)	180
Drift (m)	0.3
Riser Tension (Moon)	-
V.D. Load (Moon)	14,771.4
Max Draught (m)	9.20
Thruster (kW)	660

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(m/s)	CURRENT Dir. (deg)	VISIBILITY (km)
24:00	bc	20	20.4	1016	11.4	182	13.1	1.8	180	6.6	0.6	229	20

TODAY'S SCHEDULE : **PU & MU 36" Conductor, Deploy transponder**

REPORTED BY : T.Saruhashi / D.Ikenomoto

APPROVED BY : I. Sawada

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 8

HOLE NAME : **SITE NAME :** **NT2-11B** **Exp. :** **319** **REPORT DATE :** **18/May/2009**

DEPTH : @24:00 mBRT mbsf PROGRESS : Water Depth : mBRT RT-MSL : **28.3** m SINCE MOVE : **6**

@06:00 mBRT mbsf DRILLING/CORING Hrs. : hrs LAST CASING : x mbsf

SUMMARY OF OPERATION **Deploy transponders / Positioning / Run 36"Conductors**

PRESENT OPERATION @06:00 on **18-May** : **Landing 36" Low Pressure Housing into GRA / Mudmat.**

mBRT: meter below rotary table

mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **17-May**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	2:00	2:00	Other	Deployed No.4 transponder. Found single strand parted at 280mWD during ROV recovery at 2:00 AM..
2:00	3:15	1:15	Other	Recovered ROV with checking unbilical cable.
3:15	4:30	1:15	Other	Conducted TBRA and payout 280m of umblical on deck for repair.
4:30	10:45	6:15	Other	Launched ROV with 4 transponders. Deployed transponders (No.5 6:18, No.6 7:08, No.7 8:14, No.8 9:11).
				0:00 3:15 M/U 36" X-O joint and intermediate joint, and painted 1m mark on XO joint.
				3:15 4:30 Pinted 1m on 36" intermediate joint under DP in fixed mode (Current 0.8knots /280deg)
				4:30 6:00 Skid Mud mat/GRA to well center mark 1m line on 36" intermediate joint under DP in fix mode.
10:45	11:30	0:45	Other	Recovered ROV. Launched ROV with 2tansponders.
11:30	16:00	4:30	Other	Deployed transponders (No.9 12:37, No.10 14:06). Recovered ROV.
16:00	21:30	5:30	Other	Calibrated 2set of transponder arrays above NT2-11B site position.
21:30	23:15	1:45	Other	Moved Vessel upstearm of curent (East) 5mile.
23:15	0:00	0:45	Other	Lower 36" condutor through GRA and Mudmat.
				Meanwhile Drill Crew carry out weekly and monthly PM checks.
				Conduct TBRA and Change out carraige on the Auxilary casing tong.

TIME BREAKDOWN (00:00 - 06:00 on 18-May) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	1:30	1:30	Other	Conducted TBRA and PU/MU 36" intermediate joint
1:30	2:00	0:30	Other	Rig down 36" RL-2HCX handling tool and and change out elevator inserts to 5-1/2" S-150 DP inserts.
2:00	2:15	0:15	Other	Attempted to PU 36" housing without success with 6m handling pup joint due to bending moment. Changed crane to double fall.
2:15	4:15	0:45	Other	PU & MU 36" housing and installed 4 anti rotation key on housing joint and intermediate joint below.
4:15	5:15	1:00	Other	Installed adaptor ring and master bushing in rotary. MU a stand top drive and lower down 36" housing joint on GRA/Mudmat to lands out.
5:15	6:00	0:45	Other	Release DAT with 2-1/2 turns to right and rack back in derrick. Lay down DAT.

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Hrs.	WOB(ken) Min.	WOB(ken) Max.	RPM Min.	RPM Max.	TREEV. (kern)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP
1	26	TIX	SS-MZC	111	65937-T	3x24, 1x24																	

BHA RECORD / CORE BARREL TYPE

BHA No. :No.1 26"Bit x 9-5/8"Mud Motor x Float sub x Spacer Sub x ARC8 with APWD x Telescope MWD x 25-15/16" Stab x 8-1/2"NMDC① x 26"Stab x 8-1/2"DC②

: x 36"DATx 8-1/2"D C ⑥ 7-3/4"Mechanical Jar x 8-1/2"DC ⑤ x X-O x 5-1/2"DP(S-150)

:

STRING Wt. : @ mBRT

Wt. of String (ken)	
P/U Wt. (ken)	
S/O Wt. (ken)	

MUD PROPERTIES

Mud Type	Time	Depth(mBRT)	MW	VIS	PV	YV	Gel St.	WL	Cake	pH	Pf	Cal-	K+	Content Oil	Content W	Content S	LGS	PPG	MBC	n	K	Temp In	Temp Out

SHAKER SCREEN SIZE

#1	10	84	#4	10	84
#2	10	84	#5	10	84
#3	10	84	#6	10	84

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

		Daily	Total	Eff.			Daily	Total
Process Vol.	Concentrated				Generated Vol.	Distilled Water		
	Solidification					Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP
1	6					
2	6					
3	6					

Mud Gas

Base (%)	Max. (%)	Depth (m)
Trip Gas		
Conn. Gas		

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	128,500
Kingie-VO (Bulk)	0	7,770	5,000
NaOH	0	0	4,350
Lime	0	0	3,550
Soda Ash	0	0	0
Tel-Polymer(H)	0	0	2,560
Tel-Polymer(L)	0	0	8,960
Tel-Polymer DX	0	0	12,800
XCD-Polymer	0	0	1,000
Xian-Vis	0	0	0
NaCl (Bag)	0	0	24,000
KCL (Bag)	0	0	12,000
Clean Lube (L)	0	0	0
Clean Lube	0	0	10,400
Tel-Clean	0	0	0
Tel-DD	0	0	0
Aster (S)	0	0	0
Lignite NC	0	0	0
Bl-Carbonate	0	0	0
Telnite GXL	0	0	90
Speeder (P)	0	0	0
Speeder (X)	0	0	0
EZ Spot	0	0	0
Deformer No.30C	0	0	224
EZ Drill	0	0	0

HELICOPTER INFORMATION

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1				
2				
3				
4				
5				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Press.	
Kick Tolerance	

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

PERSONNEL @24:00

CDEX	5
MQJ Crew	87
MQJ(Other)	1
MWJ	14
Scientist	1
Sub Con.	
Schlumberger	6
Mud Logging	0
MI-Swaco	0
ROV	6
Telnite	2
Coring	0
Vetco Gray	1
NOV	2
Core IRM	3
Vendors	0
Others	3
Total	131

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

GEOLOGIC INFORMATION

From	To	Litho logy

BOAT INFORMATION

Boat Name	Status	Time Arrived	Time Departed
KAIKO	Chikyu		
Heisei Maru	Shigu		11:45

MARINE INFORMATION @24:00

Heave (m)	0.5
Pitch (deg)	0.6
Roll (deg)	0.2
Vessel Heading (deg)	230
Drift (m)	0.3
Riser Tension (Moon)	-
V.D. Load (Moon)	14,867.3
Max Draught (m)	9.20
Thruster (kW)	900

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	111	64	312
Potable Water m3	0	7	265
Drill Water m3	0	66	1,600
Fuel m3	0	43.5	7,181.2
Lube, Oil Ltrs	0	2000	96,800
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	0
Cement "DEEP CRETE" ton	0	0	73
Cement "LWC" ton	0	0	187

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(m/s)	CURRENT Dir. (deg)	VISIBILITY (km)
24:00	bc	22	20.2	1004	16.1	240	18.2	2.7	230	6.9	0.6	205	18

TODAY'S SCHEDULE : **RIH with 36" Conductor Jetting Assemlby**

REPORTED BY : T.Saruhashi / D.Ikenomoto

APPROVED BY : I. Sawada

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 9

HOLE NAME : | **SITE NAME :** NT2-11B | **Exp. :** 319 | **REPORT DATE :** 19/May/2009

DEPTH : @24:00 mBRT mbsf PROGRESS : Water Depth : mBRT RT-MSL : 28.3 m SINCE MOVE : 7

@06:00 mBRT mbsf DRILLING/CORING Hrs. : hrs LAST CASING : x mbsf

SUMMARY OF OPERATION **Run 36"Conductors / ROV troubleshooting**

PRESENT OPERATION @06:00 on **19-May** : **Terminating tetherline on ROV.**

TIME BREAKDOWN (00:00 - 24:00 on **18-May**)

mBRT: meter below rotary table
mbsf: : meter below sea floor

From	To	Hrs	Code	DETAIL of OPERATION
0:00	1:30	1:30	CSG	Conduct TBRA and PU/MU 36" intermediate joint
1:30	2:00	0:30	CSG	Rig down 36" RL-2HCX handling tool and change out elevator inserts to 5-1/2" S-150 DP inserts.
2:00	2:15	0:15	CSG	Attempt to PU 36" housing without success with 6m handling pup joint due to bending moment. Change crane to double fall.
2:15	4:15	0:45	CSG	PU & MU 36" housing and installed 4 anti-rotation key on housing joint and intermediate joint below.
4:15	5:15	1:00	CSG	Install adaptor ring and master bushing in rotary. MU a stand top drive and lower down 36" housing joint on GRA/Mudmatt to lands out.
5:15	6:00	0:45	CSG	Release DAT with 2-1/2 turns to right and racked back in derrick. Lay down DAT.
6:00	6:30	0:30	Other	Clear rig floor of excess handling equipment.
6:30	7:00	0:30	CSG	PU 26" BHA & RIH from surface to 15mbrt.
7:00	7:15	0:15	Other	MWD Engineer Plugged in & verified tools.
7:15	8:45	1:30	CSG	Continue to RIH with 26" BHA from 15mbrt to 57mbrt. Vetco Engineer performs pre-deployment check on DAT.
				Continue to RIH to 77m, landed DAT on GRA/Mudmatt.
8:45	9:00	0:15	CSG	Engage DAT as per Vetco Engineer Instructions. (2-1/2 turns to left with 11kN friction torque, final torque 18kN)
9:00	9:30	0:30	CSG	Launch ROV & Observed bit- casing shoe stick out.(4" OK : meanwhile stopped 2S,2P thruster for ROV research)
9:30	10:30	1:00	Other	PU 36"WH & latch GRA w/Compression ring. Mudmat does not engage in WH latch ring. Attempt to apply weight on latch ring, no go.
				Treat Compression ring, lower conductor until partially engages, continue to set down weight until latch ring fully engaged.
				Confirm Bull's eye readings. Bull's eye reading No.2: 0.0deg. / Bull's eye reading No.3: 0deg.
10:30	10:45	0:15	CSG	P/U string w/ Conductor, GRA, Mudmatt off working cart and skid working cart.
10:45	15:15	4:30	CSG	Run 36"Conductor w/26"jetting BHA and 5-1/2"Drillpipe from 173m to 1046mBRT. Commence driftg to site at 500mBRT w/0.5-1.0knots
15:15	16:00	0:45	Other	Find loose finger on finger board and repaired. Meanwhile install and test Schlumberger geolograph line.
16:00	18:30	2:30	CSG	Continued to RIH to 1968mBRT. ROV launches at bit depth 1500mBRT at 17:00
18:30	19:00	0:30	CSG	Set up CMC and break circulation.
19:00	20:00	1:00	CSG	Continued to RIH from 1968m to 2045m. Vessel reaches the location NT2-11.
20:00	20:45	0:45	CSG	Continued to RIH from2045m to seabed (2082m:unofficial WD).
20:45	21:30	0:45	Other	Bull's eye No.2 0.75deg (dir. 225deg) / No.3 0deg. Confirm location by ROV with co-chief scientist/EPM/Geologist. Find ROV camera failure.
21:30	0:00	2:30	Other(N)	Recovered ROV and repair camera. POOH Conductor to 2043m and waited for ROV repair.

TIME BREAKDOWN (00:00 - 06:00 on 19-May) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	6:00		Other(N)	Cut and reterminate tether line of ROV.
				Conducte rig maintenance and PM checks. Loaded materials from KAIKO.

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Hrs.	WOB(ken) Min.	WOB(ken) Max.	RPM Min.	RPM Max.	TREEV. (kern)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP
1	26	TIX	SS-MZC	111	65937-T	3x24, 1x24																	

BHA RECORD / CORE BARREL TYPE

BHA No. :No.1 26"Bit x9-5/8"Mud Motor x Float sub x Spacer Sub x ARC8 with APWD x Telescope MWD x 25-15/16" Stab x 8-1/2"NMDC ① x 26"Stab x 8-1/2"DC ②
: x 36"DATx 8-1/2"DC ⑥ 7-3/4"Mechanical Jar x 8-1/2"DC⑤ x X-O x 5-1/2"DP(S-150)
:
:

STRING Wt. : @ 3042 mBRT

Wt. of String (kN) incl HPS	2540
P/U Wt. (kN) incl HPS	
S/O Wt. (kN) incl HPS	
Wt of Top Drive+TB(kN)	700
Wt BHA below Jar=(kN)	915

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.	WL	Cake	pH	Pf	Cal-	K+	Content Oil	Content W	Content S	LGS	PPG	MBC	n	K	Temp In	Temp Out

Pre-hy / SW gel (m3)	
Mixed	134.7
USED Swgel	0
Ready to mix	318

SHAKER SCREEN SIZE

#1	10	84	#4	10	84
#2	10	84	#5	10	84
#3	10	84	#6	10	84

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

		Daily	Total	Eff.			Daily	Total
Process	Concentrated				Generated Vol.	Distilled Water		
Vol.	Solidification					Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP
1	6					
2	6					
3	6					

Mud Gas

	Base (%)	Max. (%)	Depth (m)
Trip Gas			
Conn. Gas			

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	128,500
Kingie-VO (Bulk)	500	500	5,000
NaOH	0	0	4,350
Lime	0	0	3,550
Soda Ash	0	0	0
Tel-Polymer(H)	0	0	2,560
Tel-Polymer(L)	0	0	8,960
Tel-Polymer DX	0	0	12,800
XCD-Polymer	0	0	1,000
Xian-Vis	0	0	0
NaCl (Bag)	0	0	24,000
KCL (Bag)	0	0	12,000
Clean Lube (L)	0	0	0
Clean Lube	0	0	10,400
Tel-Clean	0	0	0
Tel-DD	0	0	0
Aster (S)	0	0	0
Lignite NC	0	0	0
Bi-Carbonate	0	0	0
Telnite GXL	0	0	90
Speeder (P)	0	0	0
Speeder (X)	0	0	0
EZ Spot	0	0	0
Deformer No.30C	0	0	224
EZ Drill	0	0	0

HELICOPTER INFORMATION

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1				
2				
3				
4				
5				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Press.	
Kick Tolerance	

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

PERSONNEL @24:00

CDEX	5
MQJ Crew	87
MQJ(Other)	1
MWJ	14
Scientist	1
Sub Con.	
Schlumberger	6
Mud Logging	0
MI-Swaco	0
ROV	6
Telnite	2
Coring	0
Vetco Gray	1
NOV	2
Core IRM	3
Vendors	0
Others	3
Total	131

GEOLOGIC INFORMATION

From	To	Litho logy

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	30	68	274
Potable Water m3	0	4	261
Drill Water m3	80	0	1,680
Fuel m3	0	43.6	7,137.6
Lube, Oil Ltrs	0	0	96,800
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	0
Cement "DEEP CRETE" ton	0	0	73
Cement "LWC" ton	0	0	187

BOAT INFORMATION

Boat Name	Status	Time Arrived	Time Departed
KAIKO	Shingu		5:00
Heisei Maru	Chikyu	8:20	

MARINE INFORMATION @24:00

Heave (m)	0.4
Pitch (deg)	0.3
Roll (deg)	0.1
Vessel Heading (deg)	250
Drift (m)	0.1
Riser Tension (Moon)	-
V.D. Load (Moon)	15,065.7
Max Draught (m)	9.20
Thruster (kW)	695
No. of transponders	10

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(m/s)	CURRENT Dir. (deg)	VISIBILITY (km)
24:00	bc	20	18.8	1010.7	11.7	242	13.2	1.3	220	6	0.6	272	20

TODAY'S SCHEDULE : **Jetting 36" Conductor / Drillahead 26"Hole**

REPORTED BY : T.Saruhashi / D.Ikenomoto
APPROVED BY : I. Sawada

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 10

HOLE NAME : C0009A **SITE NAME :** NT2-11B **Exp. :** 319 **REPORT DATE :** 20/May/2009

DEPTH : @24:00 **2,136.8** mBRT **54.5** mbsf PROGRESS : Water Depth : **2,082.3** mBRT RT-MSL : **28.3** m SINCE MOVE : **8**

@06:00 **2,136.8** mBRT **54.5** mbsf DRILLING/CORING Hrs. : **8:00** hrs LAST CASING : **36"** x **54.5** mbsf

SUMMARY OF OPERATION **ROV troubleshooting / Spud in /Jetting 36" Conductor**

PRESENT OPERATION @06:00 on **20-May** : **Diving ROV into wellhead to install anti-rotation key**

mBRT: meter below rotary table

mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **19-May**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	6:00	6:00	Other(N)	Trouble shoot ROV. Cut and reterminate tether line of ROV.
				Conduct rig maintenance and PM checks. Load materials from KAIKO.
6:00	7:45	1:45	Other(N)	Check ROV system. Lauch ROV.
7:45	8:30	0:45	CSG	Conduct TBRA and RIH with Conductor/BHA from 2037m to 2080m.
8:30	9:00	0:30	CSG	Confirm Well position and bullseye's slope indicator by ROV. (No.2-0.5° No.3-0°). Water Depth 2082mBRT (Unofficial).
9:00	9:30	0:30	CSG	Breake circ w/10spm 0.5Mpa. Spud in & Jet in 3m. Confirm bullseyes by ROV. (same)
9:30	17:30	8:00	CSG	Continue to jet 36" Conductor from 2085.3m to 2136.8mBRT
				Sweep Hi-vis mud 10m3 every single joint as per program.
				Jetting parameter :
				WOB 0- 350kN as Schlumberger engineer
				Work pipe 2-3m/every 2m
				Pump rate 50-1100GPM 24.2~25.2Mpa
				While connect 1stands, check bullseye & DAT in GRA.
				Observe DAT 1/4 turn right , so monitor DATand string by ROV. (No probrem)
17:30	19:30	2:00	Other	Soak 36" Conductor . (Hook load 2370kN)
				Meanwhile Repair W/L guide roller.
19:30	22:30	3:00	Other	Continue to soaking whilst fixing the problem of drilling line stabiliser sheave.
22:30	23:00	0:30	CSG(N)	Attempt to slack off to neutral weight (2370kN to 1770kN).
				Shear top connection of 36"DAT (6-5/8"reg) due to excessive slack -off and bending of pipe above DAT
23:00	0:00	1:00	CSG(N)	Recover ROV to surface.

TIME BREAKDOWN (00:00 - 06:00 on 20-May) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	3:00	3:00	CSG(N)	Continue to recover ROV to surface. Meanwhile management discuss forward plan.
3:00	4:30	1:30	CSG(N)	Prepare modified Vetco antirotation key for ROV installation. ROV secured anti-rotation key on manipulator arm.
4:30	6:00	1:30	CSG(N)	Launch ROV and dive to wellehead to insert anti rotation key on 36"DAT.

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Hrs.	WOB(ken) Min.	WOB(ken) Max.	RPM Min.	RPM Max.	TREEV. (kern)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP
1	26	TIX	SS-MZC	111	65937-T	3x24, 1x24																	

BHA RECORD / CORE BARREL TYPE

BHA No. :No.1 26"Bit x9-5/8"Mud Motor x Float sub x Spacer Sub x ARC8 with APWD x Telescope MWD x 25-15/16" Stab x 8-1/2"NMDC ① x 26"Stab x 8-1/2"DC ②
: x 36"DATx 8-1/2"DC ⑥ 7-3/4"Mechanical Jar x 8-1/2"DC⑤ x X-O x 5-1/2"DP(S-150)
:
:

STRING Wt. : @ 3042 mBRT

Wt. of String (kN) incl HPS	2540
P/U Wt. (kN) incl HPS	
S/O Wt. (kN) incl HPS	
Wt of Top Drive+TB(kN)	700
Wt BHA below Jar=(kN)	915

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.	WL	Cake	pH	Pf	Cal-	K+	Content Oil	Content W	Content S	LGS	PPG	MBC	n	K	Temp In	Temp Out

Pre-hy / SW gel (m3)	
Mixed	105.5
USED Swgel	80
Ready to mix	292

SHAKER SCREEN SIZE

#1	10	84	#4	10	84
#2	10	84	#5	10	84
#3	10	84	#6	10	84

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

		Daily	Total	Eff.			Daily	Total
Process	Concentrated				Generated Vol.	Distilled Water		
Vol.	Solidification					Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP
1	6					
2	6					
3	6					

Mud Gas

	Base (%)	Max. (%)	Depth (m)
Trip Gas			
Conn. Gas			

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	128,500
Kingie-VO (Bulk)	0	0	5,000
NaOH	0	100	4,250
Lime	0	100	3,450
Soda Ash	0	0	0
Tel-Polymer(H)	0	0	2,560
Tel-Polymer(L)	0	0	8,960
Tel-Polymer DX	0	0	12,800
XCD-Polymer	0	0	1,000
Xian-Vis	0	0	0
NaCl (Bag)	15,000	0	39,000
KCL (Bag)	10,000	0	22,000
Clean Lube (L)	0	0	0
Clean Lube	0	0	10,400
Tel-Clean	0	0	0
Tel-DD	0	0	0
Aster (S)	0	0	0
Lignite NC	0	0	0
Bi-Carbonate	0	0	0
Telnite GXL	0	0	90
Speeder (P)	0	0	0
Speeder (X)	0	0	0
EZ Spot	0	0	0
Deformer No.30C	0	0	224
EZ Drill	0	0	0

HELICOPTER INFORMATION

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	9:15	9:23	9	8
2				
3				
4				
5				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Press.	
Kick Tolerance	

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

PERSONNEL @24:00

CDEX	6
MQJ Crew	87
MQJ(Other)	1
MWJ	14
Scientist	1
Sub Con.	
Schlumberger	6
Mud Logging	0
MI-Swaco	0
ROV	6
Telnite	2
Coring	0
Vetco Gray	1
NOV	2
Core IRM	3
Vendors	0
Others	3
Total	132

MARINE INFORMATION @24:00

Heave (m)	0.2
Pitch (deg)	0.3
Roll (deg)	0.1
Vessel Heading (deg)	250
Drift (m)	0.1
Riser Tension (Moon)	-
V.D. Load (Moon)	14,988.7
Max Draught (m)	9.20
Thruster (kW)	456
No. of transponders	10

GEOLOGIC INFORMATION

From	To	Litho logy

BOAT INFORMATION

Boat Name	Location	Time Arrived	Time Departed
KAIKO	Shingu		22:00
Heisei Maru	Chikyu		

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	0	63	211
Potable Water m3	0	4	257
Drill Water m3	111	0	1,791
Fuel m3	0	45.7	7,091.9
Lube, Oil Ltrs	0	0	96,800
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	0
Cement "DEEP CRETE" ton	0	0	73
Cement "LWC" ton	0	0	187

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(m/s)	CURRENT Dir. (deg)	VISIBILITY (km)
24:00	bc	19.5	20.2	1012.6	6.9	270	7.3	0.8	230	6.6	0.5	303	20

TODAY'S SCHEDULE : **Set antirotation key in wellhead and attempt to recover 26"BHA**

REPORTED BY : T.Saruhashi / D.Ikenomoto

APPROVED BY : I. Sawada

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 11

HOLE NAME :	C0009A	**SITE NAME :**	NT2-11B	**Exp. :**	319	**REPORT DATE :**	21/May/2009

DEPTH :	@24:00	2,136.8	mBRT	54.5	mbsf	PROGRESS :		Water Depth :	2,082.3 mBRT	RT-MSL :	28.3 m	SINCE MOVE : 9
	@06:00	2,136.8	mBRT	54.5	mbsf			DRILLING/CORING Hrs. :	8:00 hrs	LAST CASING :	36" x 54.5 mbsf

SUMMARY OF OPERATION

PRESENT OPERATION @06:00 on 21-May : **Trouble shoot damaged BHA above DAT / ROV operation / POOH string above DAT.**

TIME BREAKDOWN (00:00 - 24:00 on 20-May) **POOH to Surface**

mBRT: meter below rotary table
mbsf: : meter below sea floor

From	To	Hrs	Code	DETAIL of OPERATION
0:00	3:00	3:00	CSG(N)	Continue to recover ROV to surface. Meanwhile management discuss forward plan.
3:00	4:30	1:30	CSG(N)	Prepare modified Vetco antirotation key for ROV installation. ROV secure anti-rotation key on manipulator arm.
4:30	7:30	3:00	CSG(N)	Launch ROV to wellehead to insert anti rotation key on 36"DAT.
7:30	9:00	1:30	CSG(N)	Recover ROV and secure stopper pin for anti-rotation key.
9:00	9:45	0:45	CSG(N)	Launch ROV to wellehead to insert Stopper pin for anti rotation key on 36"DAT.
9:45	12:15	2:30	CSG(N)	Try to install Anti-rotation stopper pin not sucsessly and anti-rotation key fall from DAT
12:15	18:15	6:00	CSG(N)	Fabricate 2 Anti rotation keys and stopper pins for ROV operation.
18:15	20:45	2:30	CSG(N)	ROV launch to GRA and secure anti-rotation key and stopper pin successfully
20:45	22:00	1:15	CSG(N)	Rotate strings to left (torque 3.8kN max) and release Drill collar above DAT. ROV observe DAT top box connection deformed
22:00	0:00	2:00	CSG(N)	POOH strings above DAT from 2083mBRT to 1603mBRT
				meanwhile Recover ROV, but observe a tangle strand of umbilical cable @780m. Cut out same

TIME BREAKDOWN (00:00 - 06:00 on 21-May) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	3:45	3:45	CSG(N)	Continue to POOH with upper string from 1603mBRT to 173mBRT
3:45	6:00	2:15	CSG(N)	Continue to POOH with upper string from 173mBRT to 114mBRT. Break and inspect all connection of 8-1/2"DCs and XO sub.
				Continue to cut and repair a tangle strand of umbilical cable
				Continue to recover ROV to 560m. Found other tangle strand and repair same.
				Continue to recover ROV to 254m. Found a loose strand and repair same.

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Hrs.	WOB(ken) Min.	WOB(ken) Max.	RPM Min.	RPM Max.	TREEV. (kern)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP
1	26	TIX	SS-MZC	111	65937-T	3x24, 1x24																	

BHA RECORD / CORE BARREL TYPE

BHA No. :No.1 26"Bit x9-5/8"Mud Motor x Float sub x Spacer Sub x ARC8 with APWD x Telescope MWD x 25-15/16" Stab x 8-1/2"NMDC ① x 26"Stab x 8-1/2"DC ②
: x 36"DATx 8-1/2"DC ⑥ 7-3/4"Mechanical Jar x 8-1/2"DC⑤ x X-O x 5-1/2"DP(S-150)
:
:

STRING Wt. : @ 3042 mBRT

Wt. of String (kN) incl HPS	2540
P/U Wt. (kN) incl HPS	
S/O Wt. (kN) incl HPS	
Wt of Top Drive+TB(kN)	700
Wt BHA below Jar=(kN)	915

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.	WL	Cake	pH	Pf	Cal-	K+	Content Oil	Content W	Content S	LGS	PPG	MBC	n	K	Temp In	Temp Out
SWG	13:30		1.04																				

Pre-hy / SW gel (m3)	
Mixed	105.5
USED Swgel	80
Ready to mix	292

SHAKER SCREEN SIZE

#1	10	84	#4	10	84
#2	10	84	#5	10	84
#3	10	84	#6	10	84

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

		Daily	Total	Eff.			Daily	Total
Process	Concentrated				Generated Vol.	Distilled Water		
Vol.	Solidification					Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP
1	6					
2	6					
3	6					

Mud Gas

	Base (%)	Max. (%)	Depth (m)
Trip Gas			
Conn. Gas			

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	128,500
Kingie-VO (Bulk)	0	0	5,000
NaOH	0	0	4,250
Lime	0	0	3,450
Soda Ash	0	0	0
Tel-Polymer(H)	0	0	2,560
Tel-Polymer(L)	0	0	8,960
Tel-Polymer DX	0	0	12,800
XCD-Polymer	0	0	1,000
Xian-Vis	1,400	0	1,400
NaCl (Bag)	0	0	39,000
KCL (Bag)	10,000	0	32,000
Clean Lube (L)	6,400	0	6,400
Clean Lube	0	0	10,400
Tel-Clean	0	0	0
Tel-DD	1,600	0	1,600
KOH	300	0	300
Lignite NC	0	0	0
Bi-Carbonate	0	0	0
Telnite GXL	0	0	90
Speeder (P)	0	0	0
Speeder (X)	0	0	0
EZ Spot	0	0	0
Deformer No.30C	0	0	224
EZ Drill	0	0	0

HELICOPTER INFORMATION

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	9:13	9:22	11	11
2	11:10	11:18	5	6
3				
4				
5				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Press.	
Kick Tolerance	

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

PERSONNEL @24:00

CDEX	6
MQJ Crew	89
MQJ(Other)	1
MWJ	14
Scientist	1
Sub Con.	
Schlumberger	6
Mud Logging	0
MI-Swaco	0
ROV	6
Telnite	2
Coring	0
Vetco Gray	1
NOV	2
Core IRM	0
Vendors	0
Others	3
Total	131

BOAT INFORMATION

Boat Name	Location	Time Arrived	Time Departed
KAIKO	Chikyu	20:08	
Heisei Maru	Chikyu		

MARINE INFORMATION @24:00

Heave (m)	-
Pitch (deg)	0.2
Roll (deg)	0.2
Vessel Heading (deg)	250
Drift (m)	0.1
Riser Tension (Moon)	-
V.D. Load (Moon)	14,835.3
Max Draught (m)	9.18
Thruster (kW)	1,030
No. of transponders	10

GEOLOGIC INFORMATION

From	To	Litho logy

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	109	80	240
Potable Water m3	0	4	253
Drill Water m3	0	5	1,786
Fuel m3	0	42.4	7,049.5
Lube, Oil Ltrs	0	0	96,800
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	0
Cement "DEEP CRETE" ton	0	0	73
Cement "LWC" ton	0	0	187

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(m/s)	CURRENT Dir. (deg)	VISIBILITY (km)
24:00	o	21.5	21	1017.1	7.9	230	8.1	0.7	240	7	0.2	261	20

TODAY'S SCHEDULE : **POOH to surface and RIH with Fishing Assembly**

REPORTED BY : T.Saruhashi / D.Ikenomoto
APPROVED BY : I. Sawada

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT I

REPORT DA

HOLE NAME :	C0009A	SITE NAME :	NT2-11B	Exp. :	319		
DEPTH : @24:00	2,136.8 mBRT	54.5 mbsf	PROGRESS :	Water Depth :	2,082.3 mBRT(2054m)	RT-MSL :	28.3 m
@06:00	2,136.8 mBRT	54.5 mbsf		DRILLING/CORING Hrs. :	8:00 hrs	LAST CASING :	36"

SUMMARY OF OPERATION **Trouble shoot damaged BHA above DAT / ROV operation / POOH string above DAT.**

PRESENT OPERATION @06:00 on **22-May** : **POOH to Surface**

mBRT: meter b

mbsf: : meter

TIME BREAKDOWN (00:00 - 24:00 on **21-May**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	3:45	3:45	CSG(N)	Continue to POOH with upper string from 1603mBRT to 173mBRT
3:45	8:30	4:45	CSG(N)	Continue to POOH with upper string from 173mBRT to 114mBRT. Break and inspect all connection of 8-1/2"DCs and XO sub.
				Continue to cut and repair a tangle strand of umbilical cable
				Continue to recover ROV to 560m. Found other tangle strand and repair same.
				Continue to recover ROV to 254m. Found a loose strand and repair same.
8:30	12:30	4:00	CSG(N)	Pick up and make up 1joint of 8-1/2"DC and Lay out damaged DC.
12:30	14:00	1:30	CSG(N)	Wait on decision making. Loading additional fishing tool.
14:00	14:45	0:45	CSG(N)	Conduct TBRA. Pick up Fishing BHA and make up same.
14:45	17:15	2:30	CSG(N)	Trouble shooting iron roughneck hydrauric system.
17:15	20:15	3:00	CSG(N)	Continue to pick up Fishing BHA and make up same.
20:15	0:00	3:45	CSG(N)	RIH with Fishing BHA to 1473m.

TIME BREAKDOWN (00:00 - 06:00 on 22-May) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	2:15	2:15	CSG(N)	RIH with Fishing BHA from 1473mBRT to 2056.0mBRT
2:15	3:00	0:45	CSG(N)	Attempt to stab into fish with taper tap by nudging with ROV. Confirm stroke-out of bumper sub with ROV. Set torque limit at 11kNm (8000ftlbs)
				Rotate string 5 turns and confirmed DAT stem tool turned 1-1/2 times.
				Rotate string 1 turns and confirmed DAT 3/4times
				Resume rotating string and observe taper tap parted at top 1/3" (Obs DAT stem rotation to right: 2-1/4" (Vetco confimed tool is in releasing position)
				Attemp to observe the parted taper tap inside the fish unsuccessfully. ROV can not show top of taper tap due to limitation of pan angle.
3:00	5:00	2:00	Other (N)	Decided to POOH to surface. Found hydraulic elevator latch problem.
5:00	6:00	1:00	CSG(N)	POOH from from 2046m to 1715mBRT

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Hrs.	WOB(ken) Min.	WOB(ken) Max.	RPM Min.	RPM Max.	TREEV. (kern)	CO Inner	CO Outer	CO Dull	CO Loc.
1	26	TIX	SS-MZC	111	65937-T	3x24, 1x24													

BHA RECORD / CORE BARREL TYPE

BHA No. :No.1 (Fish)26"Bit x 9-5/8"Mud Motor x Float sub x Spacer Sub x ARC8 with APWD x Telescope MWD x 25-15/16" Stab x 8-1/2"NMDC① x 26"Stab x 8-1/2"DC② x 36"DAT

Fishing Assy Rotary tap (2-1/4"-3-5/8") x X-O x 8-1/2"DC① x Fishing Bumper sub x 8-1/2"DC⑤ x X-O x 5-1/2"DP (S-150)

:

:

STRING

Wt. of S

P/U Wt.

S/O Wt.

Wt of To

Wt BHA

MUD PROPERTIES

Mud Type	Time	Depth(mBRT)	MW	VIS	PV	YV	Gel St.	WL	Cake	pH	Pf	Cal-	K+	Content Oil	Content W	Content S	LGS	PPG	MBC	n	K	Ter In
SWG	13:30		1.04																			

SHAKER SCREEN SIZE

#1	10	84	#4	10	84
#2	10	84	#5	10	84
#3	10	84	#6	10	84

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

		Daily	Total	Eff.			Daily	Total
Process Vol.	Concentrated				Generated Vol.	Distilled Water		
	Solidification					Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP
1	6					
2	6					
3	6					

Mud Gas

Base (%)	Max. (%)	Depth (m)
Trip Gas		
Conn. Gas		

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	128,500
Kingie-VO (Bulk)	30,000	0	35,000
NaOH	0	0	4,250
Lime	0	0	3,450
Soda Ash	0	0	0
Tel-Polymer(H)	0	0	2,560
Tel-Polymer(L)	0	0	8,960
Tel-Polymer DX	0	0	12,800
XCD-Polymer	0	0	1,000
Xian-Vis	0	0	1,400
NaCl (Bag)	0	0	39,000
KCL (Bag)	0	0	32,000
Clean Lube (L)	0	0	6,400
Clean Lube	0	0	10,400
Tel-Clean	0	0	0
Tel-DD	0	0	1,600
KOH	0	0	300
Lignite NC	0	0	0
Bi-Carbonate	0	0	0
Telnite GXL	0	0	90
Speeder (P)	0	0	0
Speeder (X)	0	0	0
EZ Spot	0	0	0
Deformer No.30C	0	0	224
EZ Drill	0	0	0

HELICOPTER INFORMAT

Flt. No.	Tim Arrived
1	
2	
3	
4	
5	

SAFETY (HSE)

INCIDENT	LAST INCIDE
LTA	2

REMARKS

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Press.	
Kick Tolerance	

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

PERSONNEL @24:00

CDEX	6
MQJ Crew	89
MQJ(Other)	1
MWJ	14
Scientist	1
Sub Con.	
Schlumberger	6
Mud Logging	0
MI-Swaco	0
ROV	6
Telnite	2
Coring	0
Vetco Gray	1
NOV	2
Core IRM	0
Vendors	0
Others	3
Total	131

GEOLOGIC INFORMATION

From	To	Litho logy

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	99	58	281
Potable Water m3	0	2	251
Drill Water m3	0	0	1,786
Fuel m3	0	40.9	7,008.6
Lube, Oil Ltrs	0	2400	94,400
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	0
Cement "DEEP CRETE" ton	0	0	73
Cement "LWC" ton	0	0	187

BOAT INFORMATION

Boat Name	Location	Time Arrived	Time Departed
KAIKO	Chikyu	20:46	
Heisei Maru	Chikyu		

MARINE INFOR

Heave (m)
Pitch (deg)
Roll (deg)
Vessel Heading (deg)
Drift (m)
Riser Tension (Moon)
V.D. Load (Moon)
Max Draught (m)
Thruster (kW)
No. of transponders

WEATHER INFORMATION

Time	Weather	Temp. (degC)	Barometer	WIND	WAVE	CURRENT	VISIBILITY

		Air	SW	(hPa)	Speed(m/s)	Dir. (deg)	Gust (m/s)	Height(m)	Dir. (deg)	Period (s)	Speed(m/s)	Dir. (deg)	(km)
24:00	o	20	19.5	1017.5	5.2	188	5.5	0.9	190	6.6	0.5	305	20

TODAY'S SCHEDULE : **POOH fishing assembly to surface and RIH with another fishing assembly.**

REPORTED BY :

APPROVED BY :

No. : 12

ATE : 22/May/2009

NCE MOVE : 10

x 54.5 mbsf

below rotary table

below sea floor

NDITION

B	G	O.D.	RP

IG Wt. : @ 2056 mBRT

String (kN) incl HPS	1690
(kN) incl HPS	
(kN) incl HPS	
op Drive+TB(kN)	700
below Jar (kN)	200

mp Out	Pre-hy / SW gel (m3)	
	Mixed	105.5
	USED Swgel	80
	Ready to mix	292

ATION

me	Passenger	
Departed	Are.	Dept.

ENT	NO LTA
008.2.01	

MATION @24:00

	0.3
	0.4
	0.8
	160
	0.1
	-
	14,888.4
	9.19
	590
	10

T.Saruhashi / D.Ikenomoto

I. Sawada

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 13

HOLE NAME : C0009A **SITE NAME :** NT2-11B **Exp. :** 319 **REPORT DATE :** 23/May/2009

DEPTH : @24:00 **2,136.8** mBRT **54.5** mbsf PROGRESS : Water Depth : **2,082.3** mBRT RT-MSL : **28.3** m SINCE MOVE : **12**

@06:00 **2,136.8** mBRT **54.5** mbsf DRILLING/CORING Hrs. : **0:00** hrs LAST CASING : **36"** x **54.5** mbsf

SUMMARY OF OPERATION **Attempt to recover fish with taper tap / Attempt to recover fish with 11-1/4"OD overshot (FS)**

PRESENT OPERATION @06:00 on **23-May** : **Attempt to retrieve fish with pumping**

mBRT: meter below rotary table
mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **22-May**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	1:30	1:30	CSG(N)	RIH from 1473m to 2047m.
1:30	1:45	0:15	CSG(N)	Move Bessel to Well center. Meanwhile Connect HPS and set compensator.
1:45	3:00	1:15	CSG(N)	Attempt to stab into fish with taper tap by nudging with ROV. Confirm stroke-out of bumper sub with ROV. Set torque limit at 11kNm (8000ftlbs)
				Rotate string 5 turns and confirmed DAT stem tool turned 1-1/2 times.
				Rotate string 1 turns and confirmed DAT 3/4times (Total 2-1/4"turns)
				Resume rotating string and observe taper tap parted (Observed torque 2-3kNm Max 11kNm)
				Attemp to observe the parted taper tap inside the fish unsuccessfully. ROV can not show top of taper tap due to limitation of pan angle.
3:00	5:15	2:15	Other (N)	Decided to POOH to surface. Found hydraulic elevator latch problem.
5:15	9:00	3:45	CSG(N)	POOH from 2046m to surface.
9:00	11:00	2:00	CSG(N)	ROV check the fish top connection. Check taper tap condition (Bottom of 280mm parted)
11:00	12:00	1:00	CSG(N)	Change out Bumper sub position with DC stand.
12:00	13:30	1:30	CSG(N)	Prepare next BHA as per instruction.
13:30	17:15	3:45	CSG(N)	Lay out 1joint of DC and pick up Coring Bumper Sub with X-Os,Pick up over shot and make up BHA.
17:15	22:15	5:00	CSG(N)	RIH Over shot BHA with 5-1/2" Drill pipe.
22:15	22:30	0:15	CSG(N)	Move vessel to well center. Meanwhile connect HPS and open compensator.
22:30	0:00	1:30	CSG(N)	Attempt to stab over fish with Overshot by ROV assist.
				(Fish BHA)
				26"Bit x9-5/8"Mud Motor x Float sub x Spacer Sub x ARC8 with APWD x Telescope MWD x 25-15/16" Stab x 8-1/2"NMDC①
				x 26"Stab x 8-1/2"DC②x 36"DAT

TIME BREAKDOWN (00:00 - 06:00 on 23-May) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	0:30	0:30	CSG(N)	Continue to attempt to stab over fish.
0:30	0:45	0:15	CSG(N)	Stab over top of fish and set down 40kN max . ROV check stroke on 2bumper subs. Mill top of fish w/3-5rpm, 3-5kN.
0:45	1:15	0:30	CSG(N)	Catch fish and pull w/160kN. Rotate DAT stem to right 1turn (total 3-1/4"turns) and release torque.
				Attempt to recover fish w/300,400,500,600kN O.P
1:15	1:30	0:15	CSG(N)	Slack off to over pull 160kN again. Attempt to turn DAT stem to right. Grapple releases from fish with 15kNm.
1:30	3:30	2:00	CSG(N)	Stab over top fish and set down 40kN. Apply overpull 600kN w/CMC to release. ROV dropped stopper pin for anti rotation key. Key is still on.
3:30	4:00	0:30	CSG(N)	Work string with CMC applying overpull 170kN - 600kN.
4:00	5:00	1:00	CSG(N)	Apply overpull 200kN and lock compensator. Apply overpull 300kN, 400kN, 500kN and 630kN with DW.
5:00	6:00	1:00	CSG(N)	Pump SW gradually increasing from 10spm to 140spm (Max 16.5Mpa) with 630kN overpull. No success.
				Information: Fish was successfully retrieved at 6:30am. All the assembly is confirmed retrieved and cleared wellhead. Continue to POOH.

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Hrs.	WOB(ken) Min.	WOB(ken) Max.	RPM Min.	RPM Max.	TREEV. (kern)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP
1	26	TIX	SS-MZC	114	65937-T	3x24, 1x24																	

BHA RECORD / CORE BARREL TYPE

Fishing Assy1: Rotary tap (2-1/4"-3-5/8") x X-O x 8-1/2"DC① x Fishing Bumper sub x 8-1/2"DC⑤ x X-O x 5-1/2"DP (S-150)

Fishing Assy2: 11-1/4"OD Oershot(8"basket Grapple and 8-1/8"mill control Packer) x 8-1/2"DC② x Fishing Bumpersub (0.5m stroke) x X-O②

: □x Core Bumper sub (stroke 1.52m) x XO② x8-1/2"DC⑥ x X-O x 5-1/2"DP (S-150)

STRING Wt. : @ 2076 mBRT

Wt. of String (kN) incl HPS	1740
P/U Wt. (kN) incl HPS	
S/O Wt. (kN) incl HPS	
Wt of Top Drive+TB(kN)	700
Wt BHA below Jar-(kN)	400

MUD PROPERTIES

Mud Type	Time	Depth(mBRT)	MW	VIS	PV	YV	Gel St.	WL	Cake	pH	Pf	Cal-	K+	Content Oil	Content W	Content S	LGS	PPG	MBC	n	K	Temp In	Temp Out
SWG	13:30		1.04																				

Pre-hy / SW gel (m3)	
Mixed	105.5
USED Swgel	0
Ready to mix	292

SHAKER SCREEN SIZE

#1	10	84	#4	10	84
#2	10	84	#5	10	84
#3	10	84	#6	10	84

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

		Daily	Total	Eff.			Daily	Total
Process	Concentrated				Generated Vol.	Distilled Water		
Vol.	Solidification					Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP
1	6					
2	6					
3	6					

Mud Gas

	Base (%)	Max. (%)	Depth (m)
Trip Gas			
Conn. Gas			

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	128,500
Kingie-VO (Bulk)	0	0	35,000
NaOH	0	0	4,250
Lime	0	0	3,450
Soda Ash	0	0	0
Tel-Polymer(H)	0	0	2,560
Tel-Polymer(L)	0	0	8,960
Tel-Polymer DX	0	0	12,800
XCD-Polymer	0	0	1,000
Xian-Vis	0	0	1,400
NaCl (Bag)	0	0	39,000
KCL (Bag)	0	0	32,000
Clean Lube (L)	0	0	6,400
Clean Lube	0	0	10,400
Tel-Clean	0	0	0
Tel-DD	0	0	1,600
KOH	0	0	300
Lignite NC	0	0	0
Bi-Carbonate	0	0	0
Telnite GXL	0	0	90
Speeder (P)	0	0	0
Speeder (X)	0	0	0
EZ Spot	0	0	0
Deformer No.30C	0	0	224
EZ Drill	0	0	0

HELICOPTER INFORMATION

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	9:16	9:49	6	4
2				
3				
4				
5				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Press.	
Kick Tolerance	

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

PERSONNEL @24:00

CDEX	6
MQJ Crew	89
MQJ(Other)	2
MWJ	14
Scientist	2
Sub Con.	
Schlumberger	6
Mud Logging	0
MI-Swaco	0
ROV	6
Telnite	1
Coring	0
Vetco Gray	1
NOV	2
Core IRM	0
Vendors	0
Others	4
Total	133

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

GEOLOGIC INFORMATION

From	To	Litho logy

BOAT INFORMATION

Boat Name	Location	Time Arrived	Time Departed
KAIKO	Chikyu		
Heisei Maru	Chikyu		

MARINE INFORMATION @24:00

Heave (m)	0.5
Pitch (deg)	0.4
Roll (deg)	0.2
Vessel Heading (deg)	200
Drift (m)	0.1
Riser Tension (Moon)	-
V.D. Load (Moon)	14,996.8
Max Draught (m)	9.18
Thruster (kW)	775
No. of transponders	10

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	96	57	320
Potable Water m3	0	3	248
Drill Water m3	0	0	1,786
Fuel m3	0	40.8	6,967.8
Lube, Oil Ltrs	0	0	94,400
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	0
Cement "DEEP CRETE" ton	0	0	73
Cement "LWC" ton	0	0	187

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(m/s)	CURRENT Dir. (deg)	VISIBILITY (km)
24:00	bc	20	20.3	1010.2	1.5	255	1.8	1.4	220	6.7	0.7	306	20

TODAY'S SCHEDULE : **POOH with Fishing Assembly. RIH with 26"Drilling Assembly.**

REPORTED BY : T.Saruhashi / D.Ikenomoto

APPROVED BY : I. Sawada

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 14

HOLE NAME : C0009A **SITE NAME :** NT2-11B **Exp. :** 319 **REPORT DATE :** 24/May/2009

DEPTH : @24:00 **2,136.8** mBRT **54.5** mbsf PROGRESS : Water Depth : **2,082.3** mBRT RT-MSL : **28.3** m SINCE MOVE : **13**

@06:00 **2,136.8** mBRT **54.5** mbsf DRILLING/CORING Hrs. : **0:00** hrs LAST CASING : **36"** x **54.5** mbsf

SUMMARY OF OPERATION **Recover fish with 11-1/4"OD overshot (FS) / RIH 26"Drilling Assembly**

PRESENT OPERATION @06:00 on **24-May** : RIH with 26" Drilling Assembly to 2052mBRT

mBRT: meter below rotary table
mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **23-May**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	0:30	0:30	CSG(N)	Continue to attempt to stab over fish.
0:30	0:45	0:15	CSG(N)	Stab over top of fish and set down 40kN max . ROV check stroke on 2bumper subs. Mill top of fish w/3-5rpm, 3-5kN.
0:45	1:15	0:30	CSG(N)	Catch fish and pull w/160kN . Rotate DAT stem to right 1turn and release torque. Attempt to recover fish w/300,400,500,600kN O.P
1:15	1:30	0:15	CSG(N)	Slack off to over pull 160kN again. Attempt to turn DAT stem to right. Grapple releases from fish with 15kNm.
1:30	3:30	2:00	CSG(N)	Stab over top fish and set down 40kN. Apply overpull 600kN w/CMC to release. Stopper pin for anti rotation key come off accidentaly . Anti-rotation key is still on the wellhead.
3:30	4:00	0:30	CSG(N)	Work string with CMC applying overpull 170kN - 600kN.
4:00	5:00	1:00	CSG(N)	Apply overpull 200kN and lock compensator. Apply overpull 300kN, 400kN, 500kN and 630kN with DW.
5:00	6:00	1:00	CSG(N)	Pump SW gradually increasing from 10spm to 140spm (Max 16.5Mpa) with 630kN overpull. No success.
6:00	6:45	0:45	CSG(N)	Decrease pump rate w/(140spm --70spm --0spm w/630kN overpull. Suddenly DAT came free and lift from GRA. Pull BHA(fish) out of hole
6:45	11:45	5:00	CSG(N)	POOH with fish to 94mbrt
11:45	15:30	3:45	CSG(N)	Conduct TBRA and break out Overshot & DAT.
15:30	19:00	3:30	CSG(N)	L/D Core & Fishing bumpersub. P/U and M/U 1joint of 8-1/2"DC. Rack 8-1/2"DC back in derrick.
19:00	20:00	1:00	CSG(N)	Connect HPS & Test MWD w/125SPM. OK . Lay out ARC with APWD.
20:00	20:30	0:30	CSG(N)	POOH 26" bit to surface. Check Mud Motor Clearance, Bit and Float Sub. OK.
20:30	22:00	1:30	CSG(N)	M/U and RIH 26"hole drilling Assembly.
22:00	22:30	0:30	CSG(N)	P/U and M/U new CDR with APWD. Test Mud motor, CDR and MWD w/620GPM. OK.
22:30	0:00	1:30	CSG(N)	Continue to RIH. Change 7-3/4"Drilling Jar.

TIME BREAKDOWN (00:00 - 06:00 on 24-May) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	6:00	6:00	CSG(N)	Continue to MU and RIH with 26"BHA 2052mBRT

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Hrs.	WOB(ken) Min.	WOB(ken) Max.	RPM Min.	RPM Max.	TREEV. (kern)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP
1	26	TIX	SS-MZC	114	65937-T	3x24, 1x24	2,082.3	2,136.8	54.5	4.5						1	1	NO	-	1	I	-	HP
RR1a	26	TIX	SS-MZC	114	65937-T	3x24, 1x24	2,136.8																

BHA RECORD / CORE BARREL TYPE

BHA No. .No.1 (Fish)26"Bit x9-5/8"Mud Motor x Float sub x Spacer Sub x ARC8 with APWD x Telescope MWD x 25-15/16" Stab x 8-1/2"NMDC① x 26"Stab x 8-1/2"DC ② x 36"DAT

Fishing Assy2 11-1/4"OD Overshot(8"basket Grapple and 8"mill control Packer) x 8-1/2"DC ② x Fishing Bumpersub (0.5m stroke) x X-O ②

x Core Bumper sub (stroke 1.52m) x XO② x8-1/2"DC ⑥ x X-O x 5-1/2"DP (S-150)

RR1a 26"Bit x 9-5/8"Mud Motor x Float sub x CDR x MWD x 26"Stab x 8-1/2" NMDC① x 26"stab x 8-1/2"DC⑧ x 7-3/4"Jar x 8-1/2"DC⑤ X/O 5-1/2" DP(S-150)

STRING Wt. : @	mBRT
Wt. of String (kN) incl HPS	
P/U Wt. (kN) incl HPS	
S/O Wt. (kN) incl HPS	
Wt of Top Drive+TB(kN)	700
Wt BHA below Jar=(kN)	200

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.	WL	Cake	pH	Pf	Cal-	K+	Content Oil	Content W	Content S	LGS	PPG	MBC	n	K	Temp In	Temp Out
SWG	13:30		1.04																				

Pre-hy / SW gel (m3)	
Mixed	105.5
USED Swgel	0
Ready to mix	292

SHAKER SCREEN SIZE

#1	10	84	#4	10	84
#2	10	84	#5	10	84
#3	10	84	#6	10	84

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

		Daily	Total	Eff.			Daily	Total
Process	Concentrated				Generated Vol.	Distilled Water		
Vol.	Solidification					Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP
1	6					
2	6					
3	6					

Mud Gas

	Base (%)	Max. (%)	Depth (m)
Trip Gas			
Conn. Gas			

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	128,500
Kingie-VO (Bulk)	0	0	35,000
NaOH	0	0	4,250
Lime	0	0	3,450
Soda Ash	0	0	0
Tel-Polymer(H)	0	0	2,560
Tel-Polymer(L)	0	0	8,960
Tel-Polymer DX	0	0	12,800
XCD-Polymer	0	0	1,000
Xian-Vis	0	0	1,400
NaCl (Bag)	0	0	39,000
KCL (Bag)	0	0	32,000
Clean Lube (L)	0	0	6,400
Clean Lube	0	0	10,400
Tel-Clean	0	0	0
Tel-DD	0	0	1,600
KOH	0	0	300
Lignite NC	0	0	0
Bi-Carbonate	0	0	0
Telnite GXL	0	0	90
Speeder (P)	0	0	0
Speeder (X)	0	0	0
EZ Spot	0	0	0
Deformer No.30C	0	0	224
EZ Drill	0	0	0

HELICOPTER INFORMATION

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1				
2				
3				
4				
5				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Press.	
Kick Tolerance	

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

PERSONNEL @24:00

CDEX	6
MQJ Crew	89
MQJ(Other)	2
MWJ	14
Scientist	2
Sub Con.	
Schlumberger	6
Mud Logging	0
MI-Swaco	0
ROV	6
Telnite	1
Coring	0
Vetco Gray	1
NOV	2
Core IRM	0
Vendors	0
Others	4
Total	133

GEOLOGIC INFORMATION

From	To	Litho logy

MARINE INFORMATION @24:00

Heave (m)	0.3
Pitch (deg)	0.5
Roll (deg)	0.2
Vessel Heading (deg)	260
Drift (m)	0.1
Riser Tension (Moon)	-
V.D. Load (Moon)	14,887.6
Max Draught (m)	9.20
Thruster (kW)	1,320
No. of transponders	10

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	0	61	259
Potable Water m3	0	3	245
Drill Water m3	96	0	1,882
Fuel m3	0	41.3	6,926.5
Lube, Oil Ltrs	0	0	94,400
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	0
Cement "DEEP CRETE" ton	0	0	73
Cement "LWC" ton	0	0	187

BOAT INFORMATION

Boat Name	Location	Time Arrived	Time Departed
KAIKO	Chikyu		
Heisei Maru	Shingu		9:30

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(m/s)	CURRENT Dir. (deg)	VISIBILITY (km)
24:00	o	21.5	21.3	1007.8	10.0	266	11.1	0.9	260	6.2	0.6	112	20

TODAY'S SCHEDULE : **Drlg 26" Hole**

REPORTED BY : T.Saruhashi / D.Ikenomoto
APPROVED BY : I. Sawada

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 15

HOLE NAME : C0009A **SITE NAME :** NT2-11B **Exp. :** 319 **REPORT DATE :** 25/May/2009

DEPTH : @24:00 **2,535.0** mBRT **452.7** mbsf PROGRESS : **398.2m** Water Depth : **2,082.3** mBRT RT-MSL : **28.3** m SINCE MOVE : **14**

@06:00 **2,535.0** mBRT **452.7** mbsf DRILLING/CORING Hrs. : **15.5** hrs LAST CASING : **36"** x **54.5** mbsf

SUMMARY OF OPERATION **RIH 26" Assembly / Drill 26" hole w/MWD to 2535mBRT**

PRESENT OPERATION @06:00 on **25-May** : Drill 26"hole with MWD to 2663mBRT

mBRT: meter below rotary table
mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **24-May**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	1:00	1:00	CSG(N)	RIH. Change 7-3/4"Drilling Jar.
1:00	5:45	4:45	CSG(N)	Continue to RIH to 2040mbrt.
5:45	6:30	0:45	CSG(N)	P/U single joint for space out. Move vessel to well center.
6:30	7:00	0:30	CSG(N)	Stab 26" bit into 36"Wellhead.
7:00	7:30	0:30	CSG(N)	RIH with 26" BHA to 2136m. Tag the bottom @2137.4m
7:30	8:30	1:00	CSG(N)	Pick up 2m off bottom. Pump and clean hole. Sweep hi-vis 5m3.
8:30	0:00	15:30	DRG	Drill 26" hole from 2137m to 2535mbrt (452.7mbsf).
				Drilling Parameter
				WOB 0-50kN
				Pump 200spm(1000GPM), 20-22Mpa.
				Torque 80rpm w/HPS, 5-8kNm
				Sweep 5m3 of hi-vis mud at every joint.
				Spot 5m3of hi-vis on bottom while connection.
				Take MWD survey after Connection.
				@19:30 Observed ROV hydraulic leakage.
				Recover ROV and repair hydraulic leakage.
				ROV come back to well head @21:00

MWD Data

Measured Depth(mbrt)	Inclination (deg)	Azimuth (deg)
2082.00	0.00	0.00
2137.87	0.30	332.71
2174.02	0.15	66.33
2214.16	0.24	61.05
2251.74	0.38	181.19
2327.80	0.21	217.97
2366.03	0.15	181.49
2404.93	0.27	49.93
2443.60	0.33	213.37
2481.39	0.27	155.36

TIME BREAKDOWN (00:00 - 06:00 on 25-May) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	0:15	0:15	DRG	Continue to drill from 2535m to 2548mBRT
0:15	1:00	0:45	C&M	Sweep out 10m3 of Hi-vis
1:00	1:30	0:30	Trip	Wiper trip from 2548m to 2360mBRT.(5stands)
1:30	2:15	0:45	Trip	Run back to BTM@2548mBRT. No fill on BTM / No drag
2:15	6:00	3:45	DRG	Take survey and drill 26" hole from 2548mBRT to 2663mBRT.
				Increase sweep volume from 5m3/joint to 8m3/joint at 2624mBRT.
				WOB 0-50kN
				Pump 200spm(1000GPM), 20-22Mpa.
				Torque 80rpm w/HPS, 2-8kNm

MWD Data

Measured Depth(mbrt)	Inclination (deg)	Azimuth (deg)
2520.03	0.09	165.79
2556.40	0.32	136.76
2595.76	0.19	142.75

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	TREEV. (kern)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP
1	26	TIX	SS-MZC	114	65937-T	3x24, 1x24	2,082.3	2,136.8	54.5	4.5					NA	1	1	NO	-	1	I	-	HP
RR1a	26	TIX	SS-MZC	114	65937-T	3x24, 1x24	2,136.8	2,535.0	398.2	6.6	0	50	30	80	72								

BHA RECORD / CORE BARREL TYPE

BHA No. RR1a 26"Bit x 9-5/8"Mud Motor x Float sub x CDR x MWD x 26"Stab x 8-1/2" NMDC① x 26"stab x 8-1/2"DC ⑧ x 7-3/4"Jar x 8-1/2"DC ⑤ X/O 5-1/2" DP(S-150)

STRING Wt. : @ 2534 mBRT

Wt. of String (kN) incl HPS	2070
P/U Wt. (kN) incl HPS	2080
S/O Wt. (kN) incl HPS	2060
Wt of Top Drive+TB(kN)	700
Wt BHA below Jar=(kN)	200

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cal-	K+	Content Oil	Content W	Content S	LGS	PPG	MBC	n	K	Temp In	Temp Out
SWG	18:30		1.04	194	20	80	67	89			10.5										0.26	19.4	27	

Pre-hy / SW gel (m3)	
Mixed	119.2
USED Swgel	228
Ready to mix	285

SHAKER SCREEN SIZE

#1	10	84	#4	10	84
#2	10	84	#5	10	84
#3	10	84	#6	10	84

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

		Daily	Total	Eff.			Daily	Total
Process	Concentrated				Generated Vol.	Distilled Water		
Vol.	Solidification					Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP
1	6					
2	6					
3	6					

Mud Gas

	Base (%)	Max. (%)	Depth (m)
Trip Gas			
Conn. Gas			

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	128,500
Kingie-VO (Bulk)	0	12,620	22,380
NaOH	0	400	3,850
Lime	0	400	3,050
Soda Ash	0	0	0
Tel-Polymer(H)	0	0	2,560
Tel-Polymer(L)	0	0	8,960
Tel-Polymer DX	0	0	12,800
XCD-Polymer	0	0	1,000
Xian-Vis	0	0	1,400
NaCl (Bag)	0	0	39,000
KCL (Bag)	0	0	32,000
Clean Lube (L)	0	0	6,400
Clean Lube	0	0	10,400
Tel-Clean	0	0	0
Tel-DD	0	0	1,600
KOH	0	0	300
Lignite NC	0	0	0
Bi-Carbonate	0	0	0
Telnite GXL	0	0	90
Speeder (P)	0	0	0
Speeder (X)	0	0	0
EZ Spot	0	0	0
Deformer No.30C	0	0	224
EZ Drill	0	0	0

HELICOPTER INFORMATION

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1				
2				
3				
4				
5				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Press.	
Kick Tolerance	

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

PERSONNEL @24:00

CDEX	6
MQJ Crew	89
MQJ(Other)	2
MWJ	14
Scientist	2
Sub Con.	
Schlumberger	6
Mud Logging	0
MI-Swaco	0
ROV	6
Telnite	1
Coring	0
Vetco Gray	1
NOV	2
Core IRM	0
Vendors	0
Others	4
Total	133

BOAT INFORMATION

Boat Name	Location	Time Arrived	Time Departed
KAIKO	Chikyu		
Heisei Maru	Shingu		

MARINE INFORMATION @24:00

Heave (m)	-
Pitch (deg)	0.2
Roll (deg)	0.1
Vessel Heading (deg)	310
Drift (m)	0.2
Riser Tension (Moon)	-
V.D. Load (Moon)	14,882.7
Max Draught (m)	9.20
Thruster (kW)	680
No. of transponders	10

GEOLOGIC INFORMATION

From	To	Litho logy

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	0	63	196
Potable Water m3	0	5	240
Drill Water m3	97	109	1,882
Fuel m3	0	46.4	6,880.1
Lube, Oil Ltrs	0	0	94,400
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	0
Cement "DEEP CRETE" ton	0	0	73
Cement "LWC" ton	0	0	187

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(m/s)	CURRENT Dir. (deg)	VISIBILITY (km)
24:00	bc	20	21.8	1007.2	5.8	10	7.4	0.9	20	6.9	0.2	299	20

TODAY'S SCHEDULE : **Drlg 26" Hole to TD (2794mBRT/712mbsf)**

REPORTED BY : T.Saruhashi / D.Ikenomoto
APPROVED BY : I. Sawada

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 16

HOLE NAME :	C0009A	**SITE NAME :**	NT2-11B	**Exp. :**	319	**REPORT DATE :**	26/May/2009

DEPTH :	@24:00	2,795.0	mBRT	712.7	mbsf	PROGRESS :	260.0m	Water Depth :	2,082.3 mBRT (2054mMSL)	RT-MSL :	28.3 m
	@06:00	2,795.0	mBRT	712.7	mbsf			DRILLING/CORING Hrs. :	8.75 hrs	LAST CASING :	36" x 54.5 mbsf

SINCE MOVE : 14

SUMMARY OF OPERATION: **Drill 26" hole w/MWD to 26"Hole TD/Wiper Trip / Sweep & Spot Hi-vis mud**

PRESENT OPERATION @06:00 on **26-May** : **Continue to POOH**

mBRT: meter below rotary table
mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **25-May**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	0:15	0:15	DRG	Continue to drill from 2535m to 2548mBRT
0:15	1:00	0:45	C&C	Sweep out 10m3 of Hi-vis
1:00	2:15	1:15	Trip	Shot trip from 2548m to 2360mBRT.(5stands)
2:15	2:45	0:30	DRG	Run back to BTM@2548mBRT. No fill on BTM / No drag. Take Survey.
2:45	8:45	6:00	DRG	Drill 26" hole from 2548mBRT to 2663mBRT.
				Increase sweep volume from 5m3/joint to 8m3/joint at 2624mBRT.
				WOB 0-50kN
				Pump 200spm(1000GPM), 20-22Mpa.
				Torque 80rpm w/HPS, 2-8kNm
8:45	9:30	0:45	Other(N)	Trouble Shoot on leakage from wash pipe. Replace grease nipple.
9:30	11:30	2:00	DRG	Drill 26" hole from 2739m to 2795mBRT (712.7mbsf) .
				WOB 30-50kN
				Pump 200spm(1000GPM), 22.3Mpa.
				Torque 80rpm w/HPS, 5-8kNm
11:30	13:45	2:15	C&C	Pump 35m3 Hi- vis and sweep out hole. Take survey. Spot 105m3 Hi-vis in hole.
13:45	20:00	6:15	Trip	Wiper trip from 2795m to 2122m.(in 36" conductor)
				meanwhile troubleshoot on HR No.1 main arm rollar gripper problem.
				No tight spot and fill on bottom observed
20:00	23:15	3:15	C&C	Pump 35m3 Hi- vis and sweep out hole. Spot hole W/ 340m3 Hi-vis in hole.
23:15	0:00	0:45	Trip	POOH to 2586mBRT

MWD Data

Measured Depth(mbrt)	Inclination (deg)	Azimuth (deg)
2520.03	0.09	165.79
2556.40	0.32	136.76
2595.76	0.19	142.75
2634.48	0.37	139.46
2712.20	0.16	107.11
2749.79	0.70	137.91
2794.00	0.37	150.08

TIME BREAKDOWN (00:00 - 06:00 on 26-May) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	2:00	2:00	Trip	Continue to POOH from 2586mBRT to 2068mBRT. Observed upper stablizer hit at shoe w300kN.
				Lower down and open CMC and POOH BHA throught 36" conductor section. Check shoe passing bit twice. No take weight.
2:00	2:15	0:15	Surv	Observed Bull's eyes 0.25deg on No.2 / 0.5deg on No.3. ROV come back to cage. Move ship to 50m offset.
2:15	3:00	3:45	Trip	POOH from 2068mBRT to 1745mBRT.
3:00	3:30	0:30	Other(N)	Repair hydraulic hose for pipe spinner on iron roughneck
				Meanwhile ROV attempt to clean the wellhead. Mulfunction on ROV pump. Recover ROV to surface.
3:30	6:00		Trip	Continue to POOH from 1745mBRT to 523mBRT

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP
1	26	TIX	SS-MZC	114	65937-T	3x24, 1x24	2,082.3	2,136.8	54.5	4.5					NA	1	1	NO	-	1	I	-	HP
RR1a	26	TIX	SS-MZC	114	65937-T	3x24, 1x24	2,136.8	2,795.0	658.2	11.9	0	50	130	180	128.0								TD

BHA RECORD / CORE BARREL TYPE

BHA No. RR1a 26"Bit x 9-5/8"Mud Motor x Float sub x CDR x MWD x 26"Stab x 8-1/2" NMDC① x 26"stab x 8-1/2"DC ⑧ x 7-3/4"Jar x 8-1/2"DC ⑤ X/O 5-1/2" DP(S-150)

STRING Wt. : @ 2795 mBRT

Wt. of String (kN) incl HPS	2180
P/U Wt. (kN) incl HPS	2165
S/O Wt. (kN) incl HPS	2150
Wt of Top Drive+TB(kN)	700
Wt BHA below Jar=(kN)	245

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cal-	K+	Content Oil	Content W	Content S	LGS	PPG	MBC	n	K	Temp In	Temp Out
SWG	13:10		1.04	183	16	69	23	27			11.4										0.25	18.0	23	
SWG	17:10		1.04	165	18	74	21	30			11.9										0.26	18.4	23	

Pre-hy / SW gel (m3)	
Mixed	42
USED Swgel	943
Ready to mix	0

SHAKER SCREEN SIZE

#1	10	84	#4	10	84
#2	10	84	#5	10	84
#3	10	84	#6	10	84

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

		Daily	Total	Eff.			Daily	Total
Process	Concentrated				Generated Vol.	Distilled Water		
Vol.	Solidification					Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP
1	6	67	1000	22	12.4	11.6
2	6	67				
3	6	66				

Mud Gas

	Base (%)	Max. (%)	Depth (m)
Trip Gas			
Conn. Gas			

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	128,500
Kingie-VO (Bulk)	0	8,680	13,700
NaOH	0	1,175	2,675
Lime	0	1,225	1,825
Soda Ash	0	0	0
Tel-Polymer(H)	0	0	2,560
Tel-Polymer(L)	0	0	8,960
Tel-Polymer DX	0	0	12,800
XCD-Polymer	0	0	1,000
Xian-Vis	0	0	1,400
NaCl (Bag)	0	0	39,000
KCL (Bag)	0	0	32,000
Clean Lube (L)	0	0	6,400
Clean Lube	0	0	10,400
Tel-Clean	0	0	0
Tel-DD	0	0	1,600
KOH	0	0	300
Lignite NC	0	0	0
Bi-Carbonate	0	0	0
Telnite GXL	0	0	90
Speeder (P)	0	0	0
Speeder (X)	0	0	0
EZ Spot	0	0	0
Deformer No.30C	0	0	224
EZ Drill	0	0	0

HELICOPTER INFORMATION

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	9:12	19:18	5	
2				
3				
4				
5				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Press.	
Kick Tolerance	

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

PERSONNEL @24:00

CDEX	7
MQJ Crew	89
MQJ(Other)	2
MWJ	14
Scientist	2
Sub Con.	
Schlumberger	8
Mud Logging	0
MI-Swaco	0
ROV	6
Telnite	1
Coring	0
Vetco Gray	1
NOV	2
Core IRM	0
Vendors	0
Others	6
Total	138

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

GEOLOGIC INFORMATION

From	To	Litho logy

BOAT INFORMATION

Boat Name	Location	Time Arrived	Time Departed
KAIKO	Chikyu	20:31	4:00
Heisei Maru	Shingu	7:50	

MARINE INFORMATION @24:00

Heave (m)	0.3
Pitch (deg)	0.4
Roll (deg)	0.7
Vessel Heading (deg)	60
Drift (m)	0.1
Riser Tension (Moon)	-
V.D. Load (Moon)	14,673.6
Max Draught (m)	9.20
Thruster (kW)	730
No. of transponders	10

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	96	60	232
Potable Water m3	0	2	238
Drill Water m3	0	70	1,800
Fuel m3	0	47.1	6,833.0
Lube, Oil Ltrs	0	1500	92,900
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	0
Cement "DEEP CRETE" ton	0	0	73
Cement "LWC" ton	0	0	187

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(m/s)	CURRENT Dir. (deg)	VISIBILITY (km)
24:00	bc	18.5	21.1	1014.5	2.7	80	3.3	1	80	7.7	0.1	85	20

TODAY'S SCHEDULE : **POOH to surface and Run 20" CSG**

REPORTED BY : T.Saruhashi / D.Ikenomoto
APPROVED BY : I. Sawada

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 17

HOLE NAME : C0009A **SITE NAME :** NT2-11B **Exp. :** 319 **REPORT DATE :** 27/May/2009

DEPTH : @24:00 **2,795.0** mBRT **712.7** mbsf PROGRESS : Water Depth : **2,082.3** mBRT (**2054**mMSL) RT-MSL : **28.3** m SINCE MOVE : **15**

@06:00 **2,795.0** mBRT **712.7** mbsf DRILLING/CORING Hrs. : **0.00** hrs LAST CASING : **36"** x **54.5** mbsf

SUMMARY OF OPERATION **POOH 26"BHA / DPS failure / Investigate DPS failure / Prepare for run 20"Casing**

PRESENT OPERATION @06:00 on **27-May** : **Investigate DPS failure**

mBRT: meter below rotary table

mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **26-May**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	2:00	2:00	Trip	Continue to POOH from 2586mBRT to 2068mBRT. Observed upper stabilizer hit at shoe.(Overpull 300kN)
				Lower down and open CMC and POOH BHA through 36" conductor section. Check shoe passing bit twice. No take weight.
2:00	2:15	0:15	Surv	Observed Bull's eyes 0.25deg on No.2 / 0.5deg on No.3. ROV come back to cage. Move ship to 50m offset.
2:15	3:00	3:45	Trip	POOH from 2068mBRT to 1745mBRT.
3:00	3:30	0:30	Other(N)	Repair hydraulic hose for pipe spinner on iron roughneck
				Meanwhile ROV attempt to clean the wellhead. Malfunction on ROV pump. Recover ROV to surface.
3:30	7:30	4:00	Trip	Continue to POOH.
7:30	7:45	0:15	Other(N)	DP red alert. Lost position. Lose all position sensors. Recover ROV to surface after DGPS HP #1 /#2 recovered.
7:45	9:45	2:00	Trip	Continue to POOH with 26" BHA and rack back same.
9:45	10:00	0:15	Trip	Download MWD data.
10:00	13:00	3:00	Trip	L/D MWD, CDR, Mud motor. Break 26"bit. meanwhile: Investigate DPS failure.
13:00	15:00	2:00	CSG	R/U for 20"Casing run. (Install PS-30 20" slip. Change Hydraulic elevator for 20"Casing. Prepare 20" belt tong.)
15:00	0:00	9:00	Other(N)	Continue to investigate DPS failure. meanwhile: inspect rotary table.

TIME BREAKDOWN (00:00 - 06:00 on 27-May) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	6:00	6:00	Other(N)	Continue to investigate DPS failure.
				Meanwhile: Inspect rotary table and removing cleaning 13-3/8"CSG protector.
				DPS failure at 5:13 : DGPS XP signal jump off and drive off 10m. Back to normal operation @5:16.

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP
1	26	TIX	SS-MZC	114	65937-T	3x24, 1x24	2,082.3	2,136.8	54.5	4.5					NA	1	1	NO	-	1	I	-	HP
RR1a	26	TIX	SS-MZC	114	65937-T	3x24, 1x24	2,136.8	2,795.0	658.2	11.9	0	50	130	180	128.0	1	1	NO	-	4	I	-	TD

BHA RECORD / CORE BARREL TYPE

BHA No. RR1a 26"Bit x 9-5/8"Mud Motor x Float sub x CDR x MWD x 26"Stab x 8-1/2" NMDC① x 26"stab x 8-1/2"DC ⑧ x 7-3/4"Jar x 8-1/2"DC ⑤ X/O 5-1/2" DP(S-150)

STRING Wt. : @ mBRT

Wt. of String (kN) incl HPS	
P/U Wt. (kN) incl HPS	
S/O Wt. (kN) incl HPS	
Wt of Top Drive+TB(kN)	
Wt BHA below Jar=(kN)	

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.	WL	Cake	pH	Pf	Cal-	K+	Content Oil	Content W	Content S	LGS	PPG	MBC	n	K	Temp In	Temp Out

Pre-hy / SW gel (m3)	
Mixed	43.6
USED Swgel	943
Ready to mix	400

SHAKER SCREEN SIZE

#1	10	84	#4	10	84
#2	10	84	#5	10	84
#3	10	84	#6	10	84

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

		Daily	Total	Eff.			Daily	Total
Process	Concentrated				Generated Vol.	Distilled Water		
Vol.	Solidification					Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP
1	6	67				
2	6	67				
3	6	66				

Mud Gas

	Base (%)	Max. (%)	Depth (m)
Trip Gas			
Conn. Gas			

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	128,500
Kingie-VO (Bulk)	10,640	0	24,340
NaOH	0	0	2,675
Lime	0	0	1,825
Soda Ash	0	0	0
Tel-Polymer(H)	0	0	2,560
Tel-Polymer(L)	0	0	8,960
Tel-Polymer DX	0	0	12,800
XCD-Polymer	0	0	1,000
Xian-Vis	700	0	2,100
NaCl (Bag)	0	0	39,000
KCL (Bag)	0	0	32,000
Clean Lube (L)	0	0	14,400
Clean Lube	0	0	10,400
Tel-Clean	0	0	0
Tel-DD	0	0	1,600
KOH	0	0	300
Lignite NC	0	0	0
Bi-Carbonate	0	0	0
Telnite GXL	0	0	90
Speeder (P)	0	0	0
Speeder (X)	0	0	0
EZ Spot	0	0	0
Deformer No.30C	0	0	224
EZ Drill	0	0	0

HELICOPTER INFORMATION

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1				
2				
3				
4				
5				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Press.	
Kick Tolerance	

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

PERSONNEL @24:00

CDEX	7
MQJ Crew	89
MQJ(Other)	2
MWJ	14
Scientist	2
Sub Con.	
Schlumberger	8
Mud Logging	0
MI-Swaco	0
ROV	6
Telnite	1
Coring	0
Vetco Gray	1
NOV	2
Core IRM	0
Vendors	0
Others	6
Total	138

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

GEOLOGIC INFORMATION

From	To	Litho logy

BOAT INFORMATION

Boat Name	Location	Time Arrived	Time Departed
KAIKO	Chikyu	17:28	1:12
Heisei Maru	Chikyu		

MARINE INFORMATION @24:00

Heave (m)	0.4
Pitch (deg)	0.5
Roll (deg)	0.2
Vessel Heading (deg)	60
Drift (m)	0.1
Riser Tension (Moon)	-
V.D. Load (Moon)	14,525.6
Max Draught (m)	9.20
Thruster (kW)	830
No. of transponders	10

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	92	71	253
Potable Water m3	0	3	235
Drill Water m3	0	45	1,755
Fuel m3	0	41.2	6,791.8
Lube, Oil Ltrs	0	0	92,900
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	0
Cement "DEEP CRETE" ton	0	0	73
Cement "LWC" ton	0	0	187

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(m/s)	CURRENT Dir. (deg)	VISIBILITY (km)
24:00	bc	20	20.7	1016.2	3.1	138	3.5	0.9	130	9.2	0.5	237	20

TODAY'S SCHEDULE : **Investigate DPS failure**

REPORTED BY : T.Saruhashi / D.Ikenomoto

APPROVED BY : I. Sawada

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 18

HOLE NAME : C0009A **SITE NAME :** NT2-11B **Exp. :** 319 **REPORT DATE :** 28/May/2009

DEPTH : @24:00 **2,795.0** mBRT **712.7** mbsf PROGRESS : Water Depth : **2,082.3** mBRT (**2054**mMSL) RT-MSL : **28.3** m SINCE MOVE : **16**

@06:00 **2,795.0** mBRT **712.7** mbsf DRILLING/CORING Hrs. : **0.00** hrs LAST CASING : **36"** x **54.5** mbsf

SUMMARY OF OPERATION **Investigate DPS failure**

PRESENT OPERATION @06:00 on **28-May** : Investigation DPS failure (Wait on weather).

mBRT: meter below rotary table
mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **27-May**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	24:00	24:00	Other(N)	Continue to investigate DPS failure.
				Conduct rig maintenance. Secure all loose items in preparation of rough weather.
				DPS failure at 5:13 : DGPS XP signal jump off and drive off 10m. Back to normal operation @5:16.
				Meanwhile: Inspect rotary table and removing cleaning 13-3/8"CSG protector.
				Strip down and break off x/over on 36"DAT. Clean Rotary housing, fixation blocks. Service fingerboard fingers.
				Prepare 340M3 Hi Vis Gel.
				Subsea: Continue with Tensioners, Continue to service mux clamps and prepare for BOP run, Various PM tasks. CMC inspection.
				NOV working with mechanic to investigate problem with Hydra Tong.
				Secured the moving tools and materials due to the bad weather.
				Strip down and break off sleeve on backup 36"DAT.Service fingerboard fingers. Prepare BHA for wiper trip. Install Hydra Tong on Aux Well.
				Prepare 340M3 Hi Vis Gel.
				@16:40 MES 2Engineers embark for investigation for DPS failure.
				@16:48 Watch boat Heiseimaru evacuate to Katsuura.
				@20:00 Supply boat Kaikou evacuate to Mikawawan.

TIME BREAKDOWN (00:00 - 06:00 on 28-May) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION	Wind speed (ave/max)		
0:00	4:00	4:00	Other(N)	Continue to investigate DPS failure.			
				meanwhile perform planed maintenance.	0:00	20.0 / 22.5 m/s	ENE
4:00	6:00	2:00	WOW	Wait on Weather	2:00	21.7 / 23.7 m/s	ENE
				meanwhile investigate DPS failure.	4:00	22.9 / 27.3 m/s	ENE
					6:00	27.1 / 29.3 m/s	NE

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP
RR1b	26	TIX	SS-MZC	114	65937-T	3x24, 1x24																	

BHA RECORD / CORE BARREL TYPE

BHA No.

STRING Wt. : @ mBRT

Wt. of String (kN) incl HPS	
P/U Wt. (kN) incl HPS	
S/O Wt. (kN) incl HPS	
Wt of Top Drive+TB(kN)	
Wt BHA below Jar=(kN)	

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.	WL	Cake	pH	Pf	Cal-	K+	Content Oil	Content W	Content S	LGS	PPG	MBC	n	K	Temp In	Temp Out

Pre-hy / SW gel (m3)	
Mixed	12.6
USED Swgel	943
Ready to mix	400

SHAKER SCREEN SIZE

#1	10	84	#4	10	84
#2	10	84	#5	10	84
#3	10	84	#6	10	84

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

		Daily	Total	Eff.			Daily	Total
Process	Concentrated				Generated Vol.	Distilled Water		
Vol.	Solidification					Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP
1	6	67				
2	6	67				
3	6	66				

Mud Gas

	Base (%)	Max. (%)	Depth (m)
Trip Gas			
Conn. Gas			

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	128,500
Kingie-VO (Bulk)	0	0	24,340
NaOH	0	0	2,675
Lime	0	0	1,825
Soda Ash	0	0	0
Tel-Polymer(H)	0	0	2,560
Tel-Polymer(L)	0	0	8,960
Tel-Polymer DX	0	0	12,800
XCD-Polymer	0	0	1,000
Xian-Vis	0	0	2,100
NaCl (Bag)	0	0	39,000
KCL (Bag)	0	0	32,000
Clean Lube (L)	0	0	14,400
Clean Lube	0	0	10,400
Tel-Clean	0	0	0
Tel-DD	0	0	1,600
KOH	0	0	300
Lignite NC	0	0	0
Bi-Carbonate	0	0	0
Telnite GXL	0	0	90
Speeder (P)	0	0	0
Speeder (X)	0	0	0
EZ Spot	0	0	0
Deformer No.30C	0	0	224
EZ Drill	0	0	0

HELICOPTER INFORMATION

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	9:15	9:25	11	11
2	11:15	11:25	3	9
3	16:45	16:50	4	0
4				
5				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Press.	
Kick Tolerance	

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

PERSONNEL @24:00

CDEX	8
MQJ Crew	89
MQJ(Other)	2
MWJ	14
Scientist	1
MES	2
Sub Con.	
Schlumberger	4
Mud Logging	0
MI-Swaco	0
ROV	6
Telnite	1
Coring	0
Vetco Gray	1
NOV	2
Core IRM	0
Vendors	0
Others	6
Total	136

GEOLOGIC INFORMATION

From	To	Litho logy

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	94	55	292
Potable Water m3	0	4	231
Drill Water m3	0	125	1,630
Fuel m3	0	41.9	6,749.9
Lube, Oil Ltrs	0	0	92,900
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	0
Cement "DEEP CRETE" ton	0	0	73
Cement "LWC" ton	0	0	187

BOAT INFORMATION

Boat Name	Location	Time Arrived	Time Departed
KAIKO	Mikawawan(Evacuate)		20:00
Heisei Maru	katuura(Evacuate)		16:48

MARINE INFORMATION @24:00

Heave (m)	0.5
Pitch (deg)	1.0
Roll (deg)	0.7
Vessel Heading (deg)	90
Drift (m)	0.1
Riser Tension (Moon)	-
V.D. Load (Moon)	14,506.4
Max Draught (m)	9.20
Thruster (kW)	2,300
No. of transponders	10

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(m/s)	CURRENT Dir. (deg)	VISIBILITY (km)
24:00	r	20	20.5	1011.8	20.0	74	22.5	2.8	80	7.4	0.3	124	14

TODAY'S SCHEDULE : **Investigate DPS failure**

REPORTED BY : D.Ikenomoto / Y.Kawano
APPROVED BY : I. Sawada

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 19

HOLE NAME :	C0009A	**SITE NAME :**	NT2-11B	**Exp. :**	319	**REPORT DATE :**	29/May/2009
DEPTH : @24:00	2,795.0 mBRT	712.7 mbsf	PROGRESS :	Water Depth :	2,082.3 mBRT (2054mMSL)	RT-MSL : 28.3 m	SINCE MOVE : 17
@06:00	2,795.0 mBRT	712.7 mbsf		DRILLING/CORING Hrs. :	0.00 hrs	LAST CASING : 36" x 54.5 mbsf	

SUMMARY OF OPERATION: **Investigate DPS failure, Wait on weather**

PRESENT OPERATION @06:00 on **29-May** : Investigate DPS failure.

mBRT: meter below rotary table
mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **28-May**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	4:00	4:00	Other(N)	Continue to investigate DPS failure.
				meanwhile perform planned maintenance.
4:00	22:00	18:00	WAIT	W.O.W & continue to investigate DPS failure
22:00	0:00	2:00	Other(N)	Investigate DPS failure
				meanwhile perform planned maintenance.
				PM on manrider basket #1 & #2
				Inspect Dolly Retract
				Prepare for next wiper trip
				Mix Sea water/Gel mud 400m3

Wind speed (ave/max)

0:00	20.0 / 22.5 m/s	ENE
2:00	21.7 / 23.7 m/s	ENE
4:00	22.9 / 27.3 m/s	ENE
6:00	27.1 / 29.3 m/s	NE
8:00	20.0 / 28.4 m/s	NE
10:00	31.2 / 36.3 m/s	NE
12:00	34.1 / 37.6 m/s	NE
14:00	27.2 / 33.1 m/s	NE
16:00	25.1 / 28.2 m/s	NE
18:00	22.7 / 26.2 m/s	NE
20:00	23.1 / 25.7 m/s	NE
22:00	17.5 / 20.0 m/s	NE
24:00	15.0 / 19.0 m/s	NE

TIME BREAKDOWN (00:00 - 06:00 on 29-May) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	6:00	6:00	Other(N)	Continue to investigate DPS failure.
				meanwhile perform planned maintenance.
				@2:05 No.1 DGPS failure occur (HDOP increase to 2.0).
				** No.1 DGPS was not used in mixed sensor when the failure occurred
				@2:15 No.1 DGPS signal jump. (Ship position moved on DP consol, no actual ship movement)
				@2:23 Back to normal condition

Wind speed (ave/max)

2:00	16.0 / 20.5 m/s	NE
4:00	16.3 / 17.9 m/s	ENE
6:00	14.3 / 15.7 m/s	ENE

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP
RR1b	26	TIX	SS-MZC	114	65937-T	3x24, 1x24																	

BHA RECORD / CORE BARREL TYPE

BHA No.

STRING Wt. : @ mBRT

Wt. of String (kN) incl HPS	
P/U Wt. (kN) incl HPS	
S/O Wt. (kN) incl HPS	
Wt of Top Drive+TB(kN)	
Wt BHA below Jar=(kN)	

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cal-	K+	Content Oil	Content W	Content S	LGS	PPG	MBC	n	K	Temp In	Temp Out
SWG	10:20		1.04	189	22	66	22	25			11.7										0.32	11.8	22	

Pre-hy / SW gel (m3)	
Mixed	418.7
USED Swgel	943
Ready to mix	62

SHAKER SCREEN SIZE

#1	10	84	#4	10	84
#2	10	84	#5	10	84
#3	10	84	#6	10	84

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

		Daily	Total	Eff.			Daily	Total
Process	Concentrated				Generated Vol.	Distilled Water		
Vol.	Solidification					Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP
1	6	67				
2	6	67				
3	6	66				

Mud Gas

	Base (%)	Max. (%)	Depth (m)
Trip Gas			
Conn. Gas			

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	128,500
Kingie-VO (Bulk)	0	20,600	3,740
NaOH	0	375	2,300
Lime	0	375	1,450
Soda Ash	0	0	0
Tel-Polymer(H)	0	0	2,560
Tel-Polymer(L)	0	0	8,960
Tel-Polymer DX	0	0	12,800
XCD-Polymer	0	0	1,000
Xian-Vis	0	0	2,100
NaCl (Bag)	0	0	39,000
KCL (Bag)	0	0	32,000
Clean Lube (L)	0	0	14,400
Clean Lube	0	0	10,400
Tel-Clean	0	0	0
Tel-DD	0	0	1,600
KOH	0	0	300
Lignite NC	0	0	0
Bi-Carbonate	0	0	0
Telnite GXL	0	0	90
Speeder (P)	0	0	0
Speeder (X)	0	0	0
EZ Spot	0	0	0
Deformer No.30C	0	0	224
EZ Drill	0	0	0

HELICOPTER INFORMATION

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1				
2				
3				
4				
5				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Press.	
Kick Tolerance	

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

PERSONNEL @24:00

CDEX	8
MQJ Crew	89
MQJ(Other)	2
MWJ	14
Scientist	1
MES	2
Sub Con.	
Schlumberger	4
Mud Logging	0
MI-Swaco	0
ROV	6
Telnite	1
Coring	0
Vetco Gray	1
NOV	2
Core IRM	0
Vendors	0
Others	6
Total	136

GEOLOGIC INFORMATION

From	To	Litho logy

BOAT INFORMATION

Boat Name	Location	Time Arrived	Time Departed
KAIKO	Mikawawan(Evacuate)		
Heisei Maru	katuura(Evacuate)		

MARINE INFORMATION @24:00

Heave (m)	-
Pitch (deg)	1.2
Roll (deg)	0.5
Vessel Heading (deg)	57
Drift (m)	1.5
Riser Tension (Moon)	-
V.D. Load (Moon)	14,422.6
Max Draught (m)	9.20
Thruster (kW)	21,770
No. of transponders	10

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	324	55	324
Potable Water m3	0	3	228
Drill Water m3	0	41	1,593
Fuel m3	0	62.2	6,687.7
Lube, Oil Ltrs	0	0	92,900
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	0
Cement "DEEP CRETE" ton	0	0	73
Cement "LWC" ton	0	0	187

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(m/s)	CURRENT Dir. (deg)	VISIBILITY (km)
24:00	o	19	19.6	1005.8	15.0	45	19	4.2	60	8.8	0.3	130	14

TODAY'S SCHEDULE : **Investigate DPS failure**

REPORTED BY : D.Ikenomoto / Y.Kawano
APPROVED BY : I. Sawada

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 20

HOLE NAME : C0009A **SITE NAME :** NT2-11B **Exp. :** 319 **REPORT DATE :** 30/May/2009

DEPTH : @24:00 2,795.0 mBRT 712.7 mbsf PROGRESS : Water Depth : 2,082.3 mBRT (2054mMSL) RT-MSL : 28.3 m SINCE MOVE : 18

@06:00 2,795.0 mBRT 712.7 mbsf DRILLING/CORING Hrs. : 0.00 hrs LAST CASING : 36" x 54.5 mbsf

SUMMARY OF OPERATION **Investigate DPS failure**

PRESENT OPERATION @06:00 on **30-May** : Investigate DPS failure.

mBRT: meter below rotary table

mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **29-May**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	15:00	15:00	Other(N)	Continue to investigate DPS failure.
				Meanwhile perform planned maintenance.
				@2:05 No.1XP DGPS failure occur (HDOP increase to 2.0).
				** No.1XP DGPS was not used in mixed sensor when the failure occurred
				@2:15 No.1XP DGPS signal jump. (Ship position moved on DP consol, no actual ship movement)
				@2:23 Back to normal condition
				Meanwhile PU and MU Wiper trip BHA. BO 26" Stab and reposition new 26" Stab. MU 26" Bit and rack back same.
				Remove 20"CSG Protector.
15:00	0:00	9:00	Other(N)	Hold a meeting about DGPS failure investigation and countermeasure to prevent similar failure @15:00 ~ 18 : 30
				20 : 30 Countermeasure : Change the specified criteria for one of the sensor's data of QC function to detect signal fail.
				Keep watching DGPS function and DPS system. (Ensure effect of changing parameter of QC function.)
				meanwhile perform planned maintenance.
				PM on man rider basket #1 & #2
				Inspect Dolly Retract
				Prepare for next wiper trip
				Mix Sea water/Gel mud 400m3

Wind speed (ave/max)

24:00	15.0 / 19.0 m/s	NE
2:00	16.0 / 20.5 m/s	NE
4:00	16.3 / 17.9 m/s	ENE
6:00	14.3 / 15.7 m/s	ENE

TIME BREAKDOWN (00:00 - 06:00 on 30-May) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	6:00	6:00	Other(N)	Keep watching DGPS function and DPS system. (Ensure effect of changing parameter of QC function.)
				Meanwhile lay down 2 stands of 13-3/8"CSG which made up in Training period and stood back in derrick.
				Function and fault find MU sequence of Aux IRN. Function and test PTS.
				Move Fairing Platforms to Working Cart.

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP
RR1b	26	TIX	SS-MZC	114	65937-T	3x24, 1x24																	

BHA RECORD / CORE BARREL TYPE

BHA No.

STRING Wt. : @ mBRT

Wt. of String (kN) incl HPS	
P/U Wt. (kN) incl HPS	
S/O Wt. (kN) incl HPS	
Wt of Top Drive+TB(kN)	
Wt BHA below Jar=(kN)	

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cal-	K+	Content Oil	Content W	Content S	LGS	PPG	MBC	n	K	Temp In	Temp Out
SWG	23:30		1.04	218	14	40	21	22			10.3										0.33	6.8	21	

Pre-hy / SW gel (m3)	
Mixed	418.7
USED Swgel	943
Ready to mix	62

SHAKER SCREEN SIZE

#1	10	84	#4	10	84
#2	10	84	#5	10	84
#3	10	84	#6	10	84

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

		Daily	Total	Eff.			Daily	Total
Process	Concentrated				Generated Vol.	Distilled Water		
Vol.	Solidification					Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP
1	6	67				
2	6	67				
3	6	66				

Mud Gas

	Base (%)	Max. (%)	Depth (m)
Trip Gas			
Conn. Gas			

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	128,500
Kingie-VO (Bulk)	0	0	3,740
NaOH	0	0	2,300
Lime	0	0	1,450
Soda Ash	0	0	0
Tel-Polymer(H)	0	0	2,560
Tel-Polymer(L)	0	0	8,960
Tel-Polymer DX	0	0	12,800
XCD-Polymer	0	0	1,000
Xian-Vis	0	0	2,100
NaCl (Bag)	0	0	39,000
KCL (Bag)	0	0	32,000
Clean Lube (L)	0	0	14,400
Clean Lube	0	0	10,400
Tel-Clean	0	0	0
Tel-DD	0	0	1,600
KOH	0	0	300
Lignite NC	0	0	0
Bi-Carbonate	0	0	0
Telnite GXL	0	0	90
Speeder (P)	0	0	0
Speeder (X)	0	0	0
EZ Spot	0	0	0
Deformer No.30C	0	0	224
EZ Drill	0	0	0

HELICOPTER INFORMATION

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1				
2				
3				
4				
5				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Press.	
Kick Tolerance	

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

PERSONNEL @24:00

CDEX	7
MQJ Crew	88
MQJ(Other)	3
MWJ	14
Scientist	1
MES	2
Sub Con.	
Schlumberger	4
Mud Logging	0
MI-Swaco	0
ROV	6
Telnite	1
Coring	0
Vetco Gray	1
NOV	2
Core IRM	0
Vendors	0
Others	7
Total	136

GEOLOGIC INFORMATION

From	To	Litho logy

MARINE INFORMATION @24:00

Heave (m)	1.0
Pitch (deg)	1.0
Roll (deg)	0.5
Vessel Heading (deg)	80
Drift (m)	0.5
Riser Tension (Moon)	-
V.D. Load (Moon)	14,378.1
Max Draught (m)	9.20
Thruster (kW)	1,150
No. of transponders	10

MATERIALS STOCK on BOARD @24:00

Item		RECEIVED	USED	STOCK
Fresh Water	m3	0	60	324
Potable Water	m3	0	4	224
Drill Water	m3	97	0	1,690
Fuel	m3	0	45	6,642.7
Lube, Oil	Ltrs	0	500	92,400
Heli Fuel	Ltrs	0	0	0
Cement "G"	ton	0	0	0
Cement "DEEP CRETE"	ton	0	0	73
Cement "LWC"	ton	0	0	187

BOAT INFORMATION

Boat Name	Location	Time Arrived	Time Departed
KAIKO		7:00/19:43	
Heisei Maru			

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(m/s)	CURRENT Dir. (deg)	VISIBILITY (km)
24:00	o	19	20.2	1006.4	14.9	70	15.7	2.9	70	7.5	0.8	160	14

TODAY'S SCHEDULE : **Investigate DPS failure / Fix DPS system / Wiper Trip**

REPORTED BY : D.Ikenomoto / Y.Kawano

APPROVED BY : T.Abe

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 21

HOLE NAME : C0009A **SITE NAME :** NT2-11B **Exp. :** 319 **REPORT DATE :** 31/May/2009

DEPTH : @24:00 **2,795.0** mBRT **712.7** mbsf PROGRESS : Water Depth : **2,082.3** mBRT (**2054**mMSL) RT-MSL : **28.3** m SINCE MOVE : **19**

@06:00 **2,795.0** mBRT **712.7** mbsf DRILLING/CORING Hrs. : **0.00** hrs LAST CASING : **36"** x **54.5** mbsf

SUMMARY OF OPERATION **Investigate DPS failure / FIX and Keep watching DPS / RIH Wiper Trip Assembly**

PRESENT OPERATION @06:00 on **31-May** : Keep watching DPS / Wiper Trip Assembly @ 1982mbrt

mBRT: meter below rotary table

mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **30-May**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	10:00	10:00	Other(N)	Keep watching DGPS function and DPS system. (Ensure effect of changing parameter of QC function.)
				Hold a meeting about DGPS failure investigation and countermeasure to prevent similar failure @9:00~9:30
				・Recharge parameter of QC function.
				・Call Sena & Vans S/E and Fix GPS hard and version up soft ware.
				・RIH wiper trip assembly after ensuring reliability of DPS system.
10:00	18:30	8:30	Other(N)	Fix and keep watching DPS system.
				FIX DPS system.
				・Change parameter of QC function. (10000km→3000m,15000sec→3000sec)
				・Change priority of position sensor after ensuring effect by simulator.
				"Priority of position sensor" : 1.DGPS,2.DPS(HP),3.APRS,4.Mixed →1.Mixed,2.GPS(XP),3.DGPS,4.APRS
				・Replace and version up DPS hard and soft ware by Sena & Vans Service Engineer.
				1.Replaced No.1GPS/HP SPM-2000
				2.No.1/No.2DGPS(XP) Multifix 5 ver.up (Ver.1.02+HF4)
				3.No.1/No.2DGPS(XP) Decoder ver.up (Ver.5.05)
				4.Replaced No.2 skyfix PC to new PC same as No.1
				Meanwhile lay down 2 stands of 13-3/8"CSG which made up in Training period and stood back in derrick.
				Function and fault find MU sequence of Aux IRN. Function and test PTS.
				Move Fairing Platforms to Working Cart.
				Complete temp repairs to rotary table fixation blocks, welds cleaned & applied galvanized spray, torque on bolts still to check.
18:30	22:30	4:00	Trip	RIH Wiper Trip Assembly to 940m.
22:30	0:00	1:30	RR(N)	Repair HRN.
				L/H Lower clamp cylinder replaced on HRN due to damaged clamps.

TIME BREAKDOWN (00:00 - 06:00 on 31-May) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	1:30	1:30	RR(N)	Continue to repair HRN.
1:30	3:30	2:00	Trip	Continue to RIH Wiper Trip Assembly from 940m to 1982m. (100m above seabed)
				vessel position is 700m east from well center.
				meanwhile :keep watching DPS system.
				@ 2:08 No.1DGPS HDOP increase to 15.5 and drift 15m (still keep using No.1DGPS)
				Auto Mixed sensor work correctly and Vessel keep position.(not affected by No.1DGPS error.)
3:30	6:00	2:30	Other(N)	Keep watching DPS system. No problem.
				meanwhile: Conduct rig maintenance and general housekeeping.

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP
RR1b	26	TIX	SS-MZC	114	65937-T	3x24, 1x24																	

BHA RECORD / CORE BARREL TYPE

BHA No. RR1b 26"Bit x Bit Sub (w/f) x 9-1/2"DC① x26"stab x 9-1/2"DC② x X/O x 26"Stab x 8-1/2" NMDC① x 8-1/2"DC⑧ x 7-3/4"Jar x 8-1/2"DC ⑤ X/O 5-1/2" DP(S-150)

STRING Wt. : @ 924 mBRT

Wt. of String (kN) incl HPS	1390
P/U Wt. (kN) incl HPS	
S/O Wt. (kN) incl HPS	
Wt of Top Drive+TB(kN)	700
Wt BHA below Jar=(kN)	260

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cal-	K+	Content Oil	Content W	Content S	LGS	PPG	MBC	n	K	Temp In	Temp Out
SWG	10:30		1.04	241	14	45	20	23			10.4										0.33	6.8	21	

Pre-hy / SW gel (m3)	
Mixed	418.7
USED Swgel	943
Ready to mix	62

SHAKER SCREEN SIZE

#1	10	84	#4	10	84
#2	10	84	#5	10	84
#3	10	84	#6	10	84

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

		Daily	Total	Eff.			Daily	Total
Process	Concentrated				Generated Vol.	Distilled Water		
Vol.	Solidification					Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP
1	6	67				
2	6	67				
3	6	66				

Mud Gas

	Base (%)	Max. (%)	Depth (m)
Trip Gas			
Conn. Gas			

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	128,500
Kingie-VO (Bulk)	30,620	0	34,360
NaOH	0	0	2,300
Lime	0	0	1,450
Soda Ash	0	0	0
Tel-Polymer(H)	0	0	2,560
Tel-Polymer(L)	0	0	8,960
Tel-Polymer DX	0	0	12,800
XCD-Polymer	0	0	1,000
Xian-Vis	0	0	2,100
NaCl (Bag)	0	0	39,000
KCL (Bag)	0	0	32,000
Clean Lube (L)	0	0	14,400
Clean Lube	0	0	10,400
Tel-Clean	0	0	0
Tel-DD	0	0	1,600
KOH	0	0	300
Lignite NC	0	0	0
Bi-Carbonate	0	0	0
Telnite GXL	0	0	90
Speeder (P)	0	0	0
Speeder (X)	0	0	0
EZ Spot	0	0	0
Deformer No.30C	0	0	224
EZ Drill	0	0	0

HELICOPTER INFORMATION

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1				4
2			1	
3				
4				
5				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Press.	
Kick Tolerance	

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

PERSONNEL @24:00

CDEX	6
MQJ Crew	88
MQJ(Other)	3
MWJ	14
Scientist	1
MES	2
Sub Con.	
Schlumberger	4
Mud Logging	0
MI-Swaco	0
ROV	6
Telnite	1
Coring	0
Vetco Gray	1
NOV	2
Core IRM	0
Vendors	0
Others	5
Total	133

GEOLOGIC INFORMATION

From	To	Litho logy

BOAT INFORMATION

Boat Name	Location	Time Arrived	Time Departed
KAIKO			
Heisei Maru			

MARINE INFORMATION @24:00

Heave (m)	0.5
Pitch (deg)	0.6
Roll (deg)	0.8
Vessel Heading (deg)	80
Drift (m)	0.1
Riser Tension (Moon)	-
V.D. Load (Moon)	14,474.1
Max Draught (m)	9.20
Thruster (kW)	1,080
No. of transponders	10

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	0	53	211
Potable Water m3	0	5	219
Drill Water m3	95	0	1,785
Fuel m3	0	40.9	6,601.8
Lube, Oil Ltrs	0	1800	90,600
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	0
Cement "DEEP CRETE" ton	0	0	73
Cement "LWC" ton	0	0	187

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(m/s)	CURRENT Dir. (deg)	VISIBILITY (km)
24:00	c	20	20.2	1004.2	1.7	67	2.4	1.6	70	7.4	0.3	150	2

TODAY'S SCHEDULE : **Ensure safety of DPS system / RIH Wiper Trip Assembly**

REPORTED BY : D.Ikenomoto / Y.Kawano

APPROVED BY : T.Abe

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 22

HOLE NAME :	C0009A	**SITE NAME :**	NT2-11B	**Exp. :**	319	**REPORT DATE :**	1/Jun/2009

DEPTH :	@24:00	2,795.0	mBRT	712.7	mbsf	PROGRESS :		Water Depth :	2,082.3 mBRT (2054mMSL)	RT-MSL :	28.3 m
	@06:00	2,795.0	mBRT	712.7	mbsf			DRILLING/CORING Hrs. :	0.00 hrs	LAST CASING :	36" x 54.5 mbsf

SINCE MOVE : 20

SUMMARY OF OPERATION: **Countermeasure against DPS failure, Wiper Trip x2 for 20"Casing run**

PRESENT OPERATION @06:00 on **1-Jun** : **POOH above seabed**

mBRT: meter below rotary table
mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **31-May**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	1:30	1:30	RR(N)	Continue to repair HRN.
1:30	3:30	2:00	Trip	Continue to RIH Wiper Trip Assembly from 940m to 1982m. (100m above seabed)
				vessel position is 70m east from well center.
				meanwhile :keep watching DPS system.
				@ 2:08 No.1DGPS HDOP increase to 15.5 and drift 15m (still keep using No.1DGPS)
				Auto Mixed sensor work correctly and Vessel keep position.(not affected by No.1DGPS error.)
3:30	9:00	5:30	Other(N)	Keep watching DPS system. No problem.
				meanwhile: Conduct rig maintenance and general housekeeping.
9:00	9:30	0:30	Other	Conduct telephone conference with MQJ and CDEX office about countermeasure against these series of DPS failure. And decide to go ahead.
9:30	10:45	1:15	Other	Dive ROV to bit position.
10:45	12:45	2:00	Other	Move vessel to well position. Found out that well position on DPS monitor is 35m offset from actual well position.
				Move to vessel to actual well position.
12:45	18:30	5:45	Trip	Re-entry hole with ROV assistance.
				RIH 2082.3m to 2795m
				No drag : 2136.8m - 2550m
				2550m - 2795m : Take weight 0-60kN, Pass tight spot with 100kN by pipe working.
				Ream down 2550m to 2580m w/ Pump 50spm x 1.4MPa, HPS 50rpm x 5-15kNm, WOB 20-50kN
				Break Circulation @ 2306m, 2524m with 50spm.
				0.5m fill on bottom.
18:30	19:45	1:15	C&C	Sweep out 35m3 of Hi-Vis 200spm, 19.4MPa
19:45	20:30	0:45	C&C	Spot 105m3 of Hi-Vis 200spm, 20.2MPa
20:30	0:00	3:30	Trip	POOH to 2195m
				No Over Pull,
				meanwhile DCIS Hook Height Indicator failure and adjust it. (21:15-22:15)

TIME BREAKDOWN (00:00 - 06:00 on 1-Jun) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	1:30	1:30	Trip	RIH with 5-1/2"DP from 2195m to2795m.
				No drag. 0.5m fill on bottom.(same as previous trip)
1:30	3:15	1:45	C&C	Pump w/1000gpm, rotate w/110RPM (20Mpa , 32-3 kNm) and work pipe.
				Spot 400m3 hi-vis mud.
3:15	5:15	2:00	Trip	POOH to 36" CSG shoe. No over pull and pass stabilizer and bit smoothly @36"conductor shoe.
5:15	5:45	0:30	Other	Pump seawater 3m below wellhead w/picking up slowly for cleaning well head. Move vessel 50m off the location.
5:45	6:00	0:15	Trip	Continue to POOH above seabed to 1955m.

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP
RR1b	26	TIX	SS-MZC	114	65937-T	3x24, 1x24																	TD

BHA RECORD / CORE BARREL TYPE

BHA No. RR1b 26"Bit x Bit Sub (w/f) x 9-1/2"DC① x26"stab x 9-1/2"DC② x X/O x 26"Stab x 8-1/2" NMDC① x 8-1/2"DC ⑧ x 7-3/4"Jar x 8-1/2"DC ⑤ X/O 5-1/2" DP(S-150)

STRING Wt. : @ 2790 mBRT

Wt. of String (kN) incl HPS	2160
P/U Wt. (kN) incl HPS	2180
S/O Wt. (kN) incl HPS	2150
Wt of Top Drive+TB(kN)	700
Wt BHA below Jar=(kN)	260

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cal-	K+	Content Oil	Content W	Content S	LGS	PPG	MBC	n	K	Temp In	Temp Out
SWG	22:40		1.04	288	12	78	31	36			10.4										0.18	29.2	23	

Pre-hy / SW gel (m3)	
Mixed	407.2
USED Swgel	1,089
Ready to mix	220

SHAKER SCREEN SIZE

#1	10	84	#4	10	84
#2	10	84	#5	10	84
#3	10	84	#6	10	84

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

		Daily	Total	Eff.			Daily	Total
Process	Concentrated				Generated Vol.	Distilled Water		
Vol.	Solidification					Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP
1	6	67				
2	6	67				
3	6	66				

Mud Gas

	Base (%)	Max. (%)	Depth (m)
Trip Gas			
Conn. Gas			

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	128,500
Kingie-VO (Bulk)	0	7,800	26,560
NaOH	0	550	1,750
Lime	0	500	950
Soda Ash	0	0	0
Tel-Polymer(H)	0	0	2,560
Tel-Polymer(L)	0	0	8,960
Tel-Polymer DX	0	0	12,800
XCD-Polymer	0	0	1,000
Xian-Vis	0	0	2,100
NaCl (Bag)	0	0	39,000
KCL (Bag)	0	0	32,000
Clean Lube (L)	0	0	14,400
Clean Lube	0	0	10,400
Tel-Clean	0	0	0
Tel-DD	0	0	1,600
KOH	0	0	300
Lignite NC	0	0	0
Bi-Carbonate	0	0	0
Telnite GXL	0	0	90
Speeder (P)	0	0	0
Speeder (X)	0	0	0
EZ Spot	0	0	0
Deformer No.30C	0	0	224
EZ Drill	0	0	0

HELICOPTER INFORMATION

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1				
2				
3				
4				
5				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Press.	
Kick Tolerance	

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

10:00 Emergency drill for Oil spill prevention occur.
Area inspection occur.

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

PERSONNEL @24:00

CDEX	6
MQJ Crew	88
MQJ(Other)	3
MWJ	14
Scientist	1
MES	2
Sub Con.	
Schlumberger	4
Mud Logging	0
MI-Swaco	0
ROV	6
Telnite	1
Coring	0
Vetco Gray	1
NOV	2
Core IRM	0
Vendors	0
Others	5
Total	133

MARINE INFORMATION @24:00

Heave (m)	0.5
Pitch (deg)	0.5
Roll (deg)	0.2
Vessel Heading (deg)	18
Drift (m)	0.1
Riser Tension (Moon)	-
V.D. Load (Moon)	14,524.4
Max Draught (m)	9.20
Thruster (kW)	1,200
No. of transponders	10

GEOLOGIC INFORMATION

From	To	Litho logy

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	93	60	244
Potable Water m3	0	3	216
Drill Water m3	0	70	1,715
Fuel m3	0	43.2	6,558.6
Lube, Oil Ltrs	0	0	90,600
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	0
Cement "DEEP CRETE" ton	0	0	73
Cement "LWC" ton	0	0	187

BOAT INFORMATION

Boat Name	Location	Time Arrived	Time Departed
KAIKO	Shingu		0:30
Heisei Maru	Chikyu	16:00	
Heisei Maru	Chikyu		

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(m/s)	CURRENT Dir. (deg)	VISIBILITY (km)
24:00	c	20	20.4	1001.8	7.1	45	7.7	1.1	300	7.4	0.1	180	20

TODAY'S SCHEDULE : **POOH / Prepare and Run 20" Casing**

REPORTED BY : D.Ikenomoto / Y.Kawano
APPROVED BY : T.Abe

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 23

HOLE NAME : C0009A **SITE NAME :** NT2-11B **Exp. :** 319 **REPORT DATE :** 2/Jun/2009

DEPTH : @24:00 **2,795.0** mBRT **712.7** mbsf PROGRESS : Water Depth : **2,082.3** mBRT (**2054**mMSL) RT-MSL : **28.3** m SINCE MOVE : **21**

@06:00 **2,795.0** mBRT **712.7** mbsf DRILLING/CORING Hrs. : **0.00** hrs LAST CASING : **36"** x **54.5** mbsf

SUMMARY OF OPERATION **Wiper trip / Rig up and Run 20" Casing**

PRESENT OPERATION @06:00 on **2-Jun** : **Continue to run 20" casing @1200m**

mBRT: meter below rotary table

mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **1-Jun**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	1:30	1:30	Trip	RIH with 5-1/2"DP from 2195m to2795m.
				No drag. 0.5m fill on bottom.(same as last trip)
1:30	3:15	1:45	C&C	Pump w/1000gpm, rotate w/10RPM (20Mpa , 2-3 kNm) and work pipe.
				Spot 400m3 hi-vis mud.
3:15	5:15	2:00	Trip	POOH to 36" CSG shoe. No over pull and pass stabilizer and bit smoothly @36"conductor shoe.
5:15	5:45	0:30	Other	Pump seawater at 3m below wellhead w/picking up slowly for cleaning well head. Move vessel 50m off the location.
5:45	11:00	5:15	Trip	Continue to POOH.
11:00	13:15	2:15	Trip	Lay down 26" stabilizer x 2 , and , 26"Bit, M/u Drill collar and rack in derrick.
13:15	15:00	1:45	CSG	Prepare for running 20"casing. (12:42-15:55) Move vessel 3miles northward
15:00	15:30	0:30	CSG	Hold TBRA for running 20"casing
15:30	16:30	1:00	CSG	Pick up shoe joint. Check float valve function.
16:30	0:00	7:30	CSG	Run 20"CSG as per tally
				57jts of intermediate jt (RL-4S), 12ea x centralizer, 2ea x stop collar
				20:45 4S Azimuth Thruster fuse blow accidentally.
				0:52 (2-June) Complete repair. Investigate the cause of incident.

TIME BREAKDOWN (00:00 - 06:00 on 2-Jun) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	0:15	0:15	CSG	Hold TBRA for running 20"casing after crew change.
0:15	0:30	0:15	CSG	Pick up XO jt (RL-4S p x RL-2HCX)
0:30	2:00	1:30	CSG	Pick up 18-3/4"Wellhead Housing joint with Cam actuate running tool (CART) and make up to 20"casing. (Hook Weight: 1880kN)
2:00	3:00	1:00	CSG	Replace Hydraulic Elevator and slips. Install High Pressure Housing clamp on 18-3/4"WH housing joint and land on the table.
3:00	5:00	2:00	CSG	R/U for RIH inner string and run into 20"casing. (5-1/2"drill pipe S-140 18stds)
5:00	6:00	1:00	CSG	Pick up 1 Stand w/ Cam actuate running tool (CART) and connect with inner string. Replace slip and C-plate.
				Connect CART with Well head housing w/4.5turn left. Replace HPH clamp.
				Lower Casing w/string, fill up w/seawater. Confirm fill up and close valve on CART at moonpool .

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP
RR1b	26	TIX	SS-MZC	114	65937-T	3x24, 1x24										1	1	NO	-	4	I	-	TD

BHA RECORD / CORE BARREL TYPE

BHA No. RR1b 26"Bit x Bit Sub (w/f) x 9-1/2"DC① x26"stab x 9-1/2"DC② x X/O x 26"Stab x 8-1/2" NMDC① x 8-1/2"DC⑧ x 7-3/4"Jar x 8-1/2"DC ⑤ X/O 5-1/2" DP(S-150)

STRING Wt. : @ mBRT

Wt. of Casing (kN) incl HPS	1880
P/U Wt. (kN) incl HPS	
S/O Wt. (kN) incl HPS	
Wt of Top Drive+TB(kN)	700
Wt BHA below Jar=(kN)	260

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.	WL	Cake	pH	Pf	Cal-	K+	Content Oil	Content W	Content S	LGS	PPG	MBC	n	K	Temp In	Temp Out
SWG	1 :00		1.04	262	13	70	41 : 44			10.6										0.21	22.4	23	

Pre-hy / SW gel (m3)	
Mixed	41.2
USED Swgel	1,602
Ready to mix	220

SHAKER SCREEN SIZE

#1	10	84	#4	10	84
#2	10	84	#5	10	84
#3	10	84	#6	10	84

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

		Daily	Total	Eff.			Daily	Total
Process	Concentrated				Generated Vol.	Distilled Water		
Vol.	Solidification					Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP
1	6	67				
2	6	67				
3	6	66				

Mud Gas

	Base (%)	Max. (%)	Depth (m)
Trip Gas			
Conn. Gas			

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	128,500
Kingie-VO (Bulk)	0	0	26,560
NaOH	0	0	1,750
Lime	0	0	950
Soda Ash	0	0	0
Tel-Polymer(H)	0	0	2,560
Tel-Polymer(L)	0	0	8,960
Tel-Polymer DX	0	0	12,800
XCD-Polymer	0	0	1,000
Xian-Vis	0	0	2,100
NaCl (Bag)	0	0	39,000
KCL (Bag)	0	0	32,000
Clean Lube (L)	0	0	14,400
Clean Lube	0	0	10,400
Tel-Clean	0	0	0
Tel-DD	0	0	1,600
KOH	0	0	300
Lignite NC	0	0	0
Bi-Carbonate	0	0	0
Telnite GXL	0	0	90
Speeder (P)	0	0	0
Speeder (X)	0	0	0
EZ Spot	0	0	0
Deformer No.30C	0	0	224
EZ Drill	0	0	0

HELICOPTER INFORMATION

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	9:30	9:15	0	3
2				
3				
4				
5				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Press.	
Kick Tolerance	

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

PERSONNEL @24:00

CDEX	6
MQJ Crew	87
MQJ(Other)	3
MWJ	14
Scientist	1
MES	1
Sub Con.	
Schlumberger	4
Mud Logging	0
MI-Swaco	0
ROV	6
Telnite	1
Coring	0
Vetco Gray	1
NOV	2
Core IRM	0
Vendors	0
Others	4
Total	130

GEOLOGIC INFORMATION

From	To	Litho logy

MARINE INFORMATION @24:00

Heave (m)	0.2
Pitch (deg)	0.3
Roll (deg)	0.3
Vessel Heading (deg)	260
Drift (m)	0.1
Riser Tension (Moon)	775
V.D. Load (Moon)	14,020.1
Max Draught (m)	9.20
Thruster (kW)	775
No. of transponders	10

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	91	68	267
Potable Water m3	0	4	212
Drill Water m3	0	52	1,663
Fuel m3	0	43.1	6,515.5
Lube, Oil Ltrs	0	0	90,600
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	0
Cement "DEEP CRETE" ton	0	0	73
Cement "LWC" ton	0	0	187

BOAT INFORMATION

Boat Name	Location	Time Arrived	Time Departed
KAIKO	Shingu		
#7KAIKO	Chikyu		
Heisei Maru	Chikyu		

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(m/s)	CURRENT Dir. (deg)	VISIBILITY (km)
24:00	bc	20	20.3	1009.8	2.3	55	2.4	0.8	270	6.5	0.4	78	20

TODAY'S SCHEDULE : **Drift vessel to hole position while running casing. Run into hole 20" casing & conduct 20"casing cementing job**

REPORTED BY : D.Ikenomoto / Y.Kawano

APPROVED BY : T.Abe

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 24

HOLE NAME :	C0009A	**SITE NAME :**	NT2-11B	**Exp. :**	319	**REPORT DATE :**	3/Jun/2009

DEPTH :	@24:00	2,795.0	mBRT	712.7	mbsf	PROGRESS :		Water Depth :	2,082.3 mBRT (2054mMSL)	RT-MSL :	28.3 m
	@06:00	2,795.0	mBRT	712.7	mbsf			DRILLING/CORING Hrs. :	0.00 hrs	LAST CASING :	20" x 703.9 mbsf

SINCE MOVE : 22

SUMMARY OF OPERATION: **Run 20" Casing /Drifting / 20"Casing Cementing**

PRESENT OPERATION @06:00 on **3-Jun** : **POOH Cementing string**

mBRT: meter below rotary table
mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **2-Jun**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	0:15	0:15	CSG	Hold TBRA for running 20"casing after crew change.
0:15	0:30	0:15	CSG	Pick up XO jt (RL-4S p x RL-2HCX)
0:30	2:00	1:30	CSG	Pick up 18-3/4"Wellhead Housing joint with Cam actuate running tool (CART) and make up to 20"casing. (Hook Weight: 1880kN)
2:00	3:00	1:00	CSG	Replace Hydraulic Elevator and slips. Install High Pressure Housing clamp on 18-3/4"WH housing joint and land on the table.
3:00	5:00	2:00	CSG	R/U for RIH inner string and run into 20"casing. (5-1/2"drill pipe S-140 18stds)
5:00	6:00	1:00	CSG	Pick up 1 Stand w/ Cam actuate running tool (CART) and connect with inner string. Replace slip and C-plate.
				Connect CART with Well head housing w/4.5turn left. Replace HPH clamp.
				Lower WH Housing w/string, fill up w/seawater. Confirm fill up and close valve on CART at moonpool .(Hook weight:2170kN)
6:00	10:30	4:30	CSG	Run 20"casing to 1970m (110m above seabed)
10:30	14:15	3:45	Other	Move vessel 3mile to well position @0.5kt (grand speed) Vessel on Location @ 14:15
14:15	15:30	1:15	CSG	Launch ROV to seabed. Check CART for no rotation.
15:30	15:45	0:15	CSG	Run 20"casing from 1970 to 2047m
15:45	16:00	0:15	CSG	Adjust vessel position.
16:00	16:15	0:15	CSG	Stab in 20"casing into LP Wellhead Housing.
16:15	19:00	2:45	CSG	RIH 20"casing to 2786.2m.
				Take weight of 200kN @2660m, 2750m. Pass tight spot with work pipe. P/U weight :3120kN, S/O weight:2820kN @2773m
19:00	19:15	0:15	CMT	Hook up CMTG hose.
19:15	20:00	0:45	CMT	Land HP WH housing on LP WH housing and slack off 355kN. @ 2786.2m, Confirm Locked with 220kN of over pull.
20:00	21:45	1:45	CMT	Circulation 150m3 of SW. Increase pump rate from 30spm to 100spm in stages. 0.9MPa @ 100spm.
				Meanwhile conduct pressure test on CMTG line with 3,000psi for 5min and hole TBRA for CMTG operation.
21:45	22:30	0:45	CMT	Pump 40m3 of Spacer(Mudpush, SG1.20) w/100spm. 2.6MPa and displace 11bbl of SW. Hold 3MPa pressure behind FOSV on CMTG stand..
22:30	0:00	1:30	CMT	Mix and pump Lead slurry (Light Weight Cement, 1.41SG). Observe continuous returns with ROV.
				F/S 2786.2mbrt F/C 2780.6mbrt. Estimated TOC 2772.6mbrt

TIME BREAKDOWN (00:00 - 06:00 on 3-Jun) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	2:00	2:00	CMT	Continue to mix and pump Lead slurry. (238.5m3 of Light Weight Cement, 1.41SG). Observe continuous returns with ROV.
2:15	3:45	1:30	CMT	Mix and pump 69.4m3 Tail slurry 1.5SG. Observe return with ROV.
3:45	4:15	0:30	CMT	Displace w/seawater 30.2m3 by cementing pump. Observe Cement return to seabed.
4:15	5:00	0:45	CMT	R/D cementing line. Slack off from 2530kN to 1885kN (String+HPS). Turn 4.5right and pick up string for release CART successfully.(H/L1920kN)
5:00	5:45	0:45	Trip	POOH 2stds. Drop sponge ball and pump 190spm 15min for cleaning inside pipe.
5:45	6:00	0:15	Trip	Continue to POOH.

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP

BHA RECORD / CORE BARREL TYPE

BHA No. :

STRING Wt. : @ mBRT

Wt. of Casing (kN) incl HPS	
P/U Wt. (kN) incl HPS	
S/O Wt. (kN) incl HPS	
Wt of Top Drive+TB(kN)	700
Wt BHA below Jar=(kN)	

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.	WL	Cake	pH	Pf	Cal-	K+	Content Oil	Content W	Content S	LGS	PPG	MBC	n	K	Temp In	Temp Out
kill mud	14:00		1.30							9.8												23	

Pre-hy / SW gel (m3)	
Mixed	31.4
USED Swgel	1,602
Ready to mix	-

SHAKER SCREEN SIZE

#1	10	84	#4	10	84
#2	10	84	#5	10	84
#3	10	84	#6	10	84

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

		Daily	Total	Eff.			Daily	Total
Process	Concentrated				Generated Vol.	Distilled Water		
Vol.	Solidification					Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP
1	6	67				
2	6	67				
3	6	66				

Mud Gas

	Base (%)	Max. (%)	Depth (m)
Trip Gas			
Conn. Gas			

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	128,500
Kingie-VO (Bulk)	0	0	26,560
NaOH	0	0	1,750
Lime	0	0	950
Soda Ash	0	0	0
Tel-Polymer(H)	0	0	2,560
Tel-Polymer(L)	0	0	8,960
Tel-Polymer DX	0	0	12,800
XCD-Polymer	0	0	1,000
Xian-Vis	0	0	2,100
NaCl (Bag)	0	0	39,000
KCL (Bag)	0	0	32,000
Clean Lube (L)	0	0	14,400
Clean Lube	0	0	10,400
Tel-Clean	0	0	0
Tel-DD	0	0	1,600
KOH	0	0	300
Lignite NC	0	0	0
Bi-Carbonate	0	0	0
Telnite GXL	0	0	90
Speeder (P)	0	0	0
Speeder (X)	0	0	0
EZ Spot	0	0	0
Deformer No.30C	0	0	224
EZ Drill	0	0	0

HELICOPTER INFORMATION

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	9:10	9:36	6	7
2	11:08	11:11	0	2
3	17:28	17:31	1	0
4				
5				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Press.	
Kick Tolerance	

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

PERSONNEL @24:00

CDEX	7
MQJ Crew	87
MQJ(Other)	3
MWJ	11
Scientist	1
MES	0
Sub Con.	
Schlumberger	4
Mud Logging	0
MI-Swaco	0
ROV	6
Telnite	1
Coring	0
Vetco Gray	1
NOV	2
Core IRM	0
Vendors	0
Others	5
Total	128

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

GEOLOGIC INFORMATION

From	To	Litho logy

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	92	78	281
Potable Water m3	0	3	209
Drill Water m3	0	48	1,615
Fuel m3	0	40.4	6,475.1
Lube, Oil Ltrs	0	1500	89,100
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	0
Cement "DEEP CRETE" ton	0	0	73
Cement "LWC" ton	0	0	187

BOAT INFORMATION

Boat Name	Location	Time Arrived	Time Departed
KAIKO	Chikyu	17:50	
#7KAIKO	Shingu		
Heisei Maru	Chikyu		

MARINE INFORMATION @24:00

Heave (m)	0.4
Pitch (deg)	0.4
Roll (deg)	0.7
Vessel Heading (deg)	210
Drift (m)	0.1
Riser Tension (Moon)	-
V.D. Load (Moon)	14,140.1
Max Draught (m)	9.20
Thruster (kW)	490
No. of transponders	10

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(m/s)	CURRENT Dir. (deg)	VISIBILITY (km)
24:00	c	21.5	20.9	1011.8	5.0	200	5.6	1.1	220	7.9	0.1	325	20

TODAY'S SCHEDULE : **POOH / Prepare for BOP and Riser running**

REPORTED BY : D.Ikenomoto / Y.Kawano
APPROVED BY : T.Abe

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02 | **REPORT No. :** 25

HOLE NAME :	C0009A	**SITE NAME :**	NT2-11B	**Exp. :**	319	**REPORT DATE :**	4/Jun/2009

DEPTH :	@24:00	2,795.0	mBRT	712.7	mbsf	PROGRESS :		Water Depth :	2,082.3 mBRT (2054mMSL)	RT-MSL :	28.3 m
	@06:00	2,795.0	mBRT	712.7	mbsf			DRILLING/CORING Hrs. :	0.00 hrs	LAST CASING :	20" x 703.9 mbsf

SINCE MOVE : 23

SUMMARY OF OPERATION: **20"Casing Cementing, Prepare for running BOPs and Riser**

PRESENT OPERATION @06:00 on **4-Jun** : Prepare for running BOPs (Pick up centralizer Joint)

mBRT: meter below rotary table
mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **3-Jun**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	2:15	2:15	CM1	Continue to mix and pump 239.8m3 of Lead slurry. (Light Weight Cement, 1.41SG, Excess:252%). Ave.Pump rate:7.6bpm, Observe continuous returns with ROV.
2:15	3:45	1:30	CM1	Mix and pump 68.8m3 Tail slurry (DeepCRETE, 1.50SG, Excess:136%) Ave.Pump rate:6.3bpm, Observe continuous cement returns with ROV.
3:45	4:15	0:30	CM1	Displace w/seawater 31.0m3 by cementing pump. Observe Cement return to seabed. Ave.Pump rate:8.4bpm, Observe continuous returns with ROV. (Estimated TOC is at 2772.6m, 8m above F/C)
4:15	5:00	0:45	CM1	Confirm no back flow. Rig down cementing lines. Slack off 20"casing weight. (Hook weight: 2530kN to 1885kN) Turn 4.5right at CART and pick up string to release CART successfully. (Hook Load: 1920kN) Confirm no subduction of wellhead by ROV at seabed. Bull's eye No.2: 0.5deg. No.3: 0.75deg.
5:00	5:45	0:45	Trip	POOH 2stds to 2650m. Drop sponge ball and pump SW at 190spm for 15min to clean inside pipe.
5:45	7:00	1:15	Trip	POOH from 2650m to 2095m.
7:00	7:30	0:30	Other	Make up HPS and jet Wellhead Housing with 190spm
7:30	8:00	0:30	Other	ROV inspect Wellhead Housing and clean same. Recover ROV (on deck @ 10:00) Move vessel to standby position.
8:00	11:00	3:00	Trip	Hold pre-job meeting. POOH from 2070m to 682m
11:00	11:30	0:30	Trip	Lay out CART
11:30	11:45	0:15	Trip	Change Hydraulic Elevator insert to S-140
11:45	13:30	1:45	Trip	POOH Stinger (S-140)
13:30	14:00	0:30	BOPE	Clear rig floor and remove elevators from HPS
14:00	18:00	4:00	BOPE	Hold TBRA and park HPS. Meanwhile skid BOP from parking position to BOP Cart.
18:00	20:00	2:00	BOPE	Hold TBRA and install Riser Guide Head to Hydraracker #1
20:00	0:00	-20:00	BOPE	Hold TBRA and install Riser Running Elevator

CM1 Additive consumption

D175	Antifoam	80gal	20"casing set depth
D186	Accelerator	110gal	F/S 2786.2m F/C 2780.6m
D185	Dispersant	495gal	Bow Spring Centralizer:12ea, Stop Ring:2ea
B038	Extender	2767gal	
D182	Mudpush	1000lbs	

TIME BREAKDOWN (00:00 - 06:00 on 4-Jun) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	4:45	4:45	BOPE	Continue to rig up for Riser Running Elevator. Install spider and gimbal on Rotary Table and perform brake test
4:45	6:00	1:15	BOPE	Hold TBRA. Pick up Instrumentation Joint and Centralizer Joint.
				4:16 4S AZ Thruster electrical failure occur. Conduct investigation ongoing.

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP

BHA RECORD / CORE BARREL TYPE

BHA No. :

STRING Wt. : @ mBRT

Wt. of Casing (kN) incl HPS	
P/U Wt. (kN) incl HPS	
S/O Wt. (kN) incl HPS	
Wt of Top Drive+TB(kN)	700
Wt BHA below Jar-(kN)	

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.	WL	Cake	pH	Pf	Cal-	K+	Content Oil	Content W	Content S	LGS	PPG	MBC	n	K	Temp In	Temp Out
Kill Mud (reserved)	11:00		1.30																			25	

12%Pre-hy / 6%SW gel (m3)	
Mixed	31.4
Used SWgel	1,602
Ready to mix	-

SHAKER SCREEN SIZE

#1	10	84	#4	10	84
#2	10	84	#5	10	84
#3	10	84	#6	10	84

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

		Daily	Total	Eff.			Daily	Total
Process	Concentrated				Generated Vol.	Distilled Water		
Vol.	Solidification					Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP
1	6					
2	6					
3	6					

Mud Gas

	Base (%)	Max. (%)	Depth (m)
Trip Gas			
Conn. Gas			

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	128,500
Kingie-VO (Bulk)	0	0	26,560
NaOH	0	0	1,750
KOH	0	0	300
Lime	0	0	950
Soda Ash	0	0	0
Tel-Polymer(H)	0	0	2,560
Tel-Polymer(L)	0	0	8,960
Tel-Polymer DX	0	0	12,800
XCD-Polymer	0	0	1,000
Xian-Vis	0	0	2,100
NaCl (Bag)	0	0	39,000
KCL (Bag)	0	0	32,000
Clean Lube (L)	0	0	14,400
Clean Lube	0	0	10,400
Tel-Clean	0	0	0
Tel-DD	0	0	1,600
Lignite NC	0	0	0
Bi-Carbonate	0	0	0
Telnite GXL	0	0	90
Speeder (P)	0	0	0
Speeder (X)	0	0	0
EZ Spot	0	0	0
Deformer No.30C	0	0	224
EZ Drill	0	0	0

HELICOPTER INFORMATION

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	9:11	9:18	8	6
2	11:09	11:17	8	7
3	13:07	13:14	7	6
4				
5				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Press.	
Kick Tolerance	

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

PERSONNEL @24:00

CDEX	8
MQJ Crew	89
MQJ(Other)	2
MWJ	12
Scientist	1
TMEIC	3
Sub Con.	
Schlumberger	4
Mud Logging	0
MI-Swaco	0
ROV	6
Telnite	1
Coring	0
Vetco Gray	1
NOV	2
Core IRM	0
Vendors	0
Others	3
Total	132

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

GEOLOGIC INFORMATION

From	To	Litho logy

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	101	81	301
Potable Water m3	0	4	205
Drill Water m3	0	48	1,615
Fuel m3	0	41.3	6,433.8
Lube, Oil Ltrs	0	900	88,200
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	0
Cement "DEEP CRETE" ton	0	63	11
Cement "LWC" ton	0	165	16

BOAT INFORMATION

Boat Name	Location	Time Arrived	Time Departed
KAIKO	Shingu		23:32
#7KAIKO	Shingu		
Heisei Maru	Chikyu	stand by Chikyu	

MARINE INFORMATION @24:00

Heave (m)	0.3
Pitch (deg)	0.3
Roll (deg)	0.8
Vessel Heading (deg)	210
Drift (m)	0.5
Riser Tension (Moon)	-
V.D. Load (Moon)	13,780.9
Max Draught (m)	9.07
Thruster (kW)	478
No. of transponders	10

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(kt)	CURRENT Dir. (deg)	VISIBILITY (km)
24:00	o	20	21.7	1006.9	8.9	235	9.4	1	220	6.5	1.1	246	12

TODAY'S SCHEDULE : **Run BOP, LMRP, Riser**

REPORTED BY : Y.Kawano / Y.Masumoto
APPROVED BY : T.Abe

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 26

HOLE NAME :	C0009A	**SITE NAME :**	NT2-11B	**Exp. :**	319	**REPORT DATE :**	5/Jun/2009

DEPTH :	@24:00	2,795.0 mBRT	712.7 mbsf	PROGRESS :		Water Depth :	2,082.3 mBRT (2054mMSL)	RT-MSL :	28.3 m	SINCE MOVE :	24
	@06:00	2,795.0 mBRT	712.7 mbsf			DRILLING/CORING Hrs. :	0.00 hrs	LAST CASING :	20" x	703.9 mbsf	

SUMMARY OF OPERATION

Prepare BOP running / PU IRJ & Centralizer Joint / Thruster Investigation

PRESENT OPERATION @06:00 on **5-Jun** : Thruster investigation

mBRT: meter below rotary table

mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **4-Jun**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	4:45	4:45	BOPE	Continue to rig up for running riser, install spider and gimbals and perform brake test. All good test.
4:45	5:00	0:15	BOPE	Held TBRA meeting for pick up risers.
5:00	6:00	1:00	BOPE	PU Instrument Riser Joint.
6:00	10:00	4:00	BOPE	PU centalizer joint and skid BOP over to well centre, lowered double down and MU to BOP performed load test and rechecked torque
10:00	0:00	14:00	Other	Performed rig floor PM tasks and continued with housekeeping, mixing KNPP Mud for 17" hole section, whilst awaiting thruster investigation.

TIME BREAKDOWN (00:00 - 06:00 on 5-Jun) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	6:00	6:00	Other	Performed rig floor PM tasks and continued with housekeeping, mixing KNPP Mud for 17" hole section, whilst awaiting thruster investigation.

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP

BHA RECORD / CORE BARREL TYPE

BHA No. :

STRING Wt. : @ mBRT

Wt. of Casing (kN) incl HPS	
P/U Wt. (kN) incl HPS	
S/O Wt. (kN) incl HPS	
Wt of RRT+TB(kN)	510
Wt BHA below Jar(kN)	

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cal-	K+	Content Oil	Content W	Content S	LGS	PPG	MBC	n	K	Temp In	Temp Out
Kill Mud (reserved)	23:50		1.08	105	43	45	7	9	4.8	0.5	11.2	0.1	58,900								0.57	2.5	25	

12%Pre-hy / 6%SW gel (m3)	
Mixed	72.8
Used SWgel	0
Ready to mix	16

SHAKER SCREEN SIZE

#1	10	84	#4	10	84
#2	10	84	#5	10	84
#3	10	84	#6	10	84

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

		Daily	Total	Eff.			Daily	Total
Process	Concentrated				Generated Vol.	Distilled Water		
Vol.	Solidification					Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP
1	6					
2	6					
3	6					

Mud Gas

	Base (%)	Max. (%)	Depth (m)
Trip Gas			
Conn. Gas			

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	6,800	121,700
Kingie-VO (Bulk)	0	7,000	19,560
NaOH	0	0	1,750
KOH	3,000	50	3,250
Lime	0	0	950
Soda Ash	0	0	0
Tel-Polymer(H)	0	200	2,360
Tel-Polymer(L)	0	800	8,160
Tel-Polymer DX	0	1,200	11,600
XCD-Polymer	0	0	1,000
Xian-Vis	0	200	1,900
NaCl (Bag)	0	1,000	3,800
KCL (Bag)	0	1,000	31,000
Clean Lube (L)	0	3,000	11,400
Clean Lube	0	0	10,400
Tel-Clean	0	0	0
Tel-DD	0	200	1,400
Lignite NC	0	0	0
Bi-Carbonate	0	0	0
Telnite GXL	0	0	90
Speeder (P)	0	0	0
Speeder (X)	0	0	0
EZ Spot	0	0	0
Deformer No.30C	0	0	224
EZ Drill	0	0	0

HELICOPTER INFORMATION

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	9:05	9:14	8	3
2	11:06	11:13	8	2
3	17:36	17:52	2	0
4				
5				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Press.	
Kick Tolerance	

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

PERSONNEL @24:00

CDEX	9
MQJ Crew	90
MQJ(Other)	2
MWJ	12
Scientist	13
TMEIC	3
Sub Con.	
Schlumberger	2
Mud Logging	1
MI-Swaco	0
ROV	6
Telnite	1
Coring	0
Vetco Gray	1
NOV	2
Core IRM	0
Vendors	0
Others	3
Total	145

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

GEOLOGIC INFORMATION

From	To	Litho logy

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	50	56	295
Potable Water m3	0	2	203
Drill Water m3	51	51	1,615
Fuel m3	0	40.4	6,393.4
Lube, Oil Ltrs	0	0	88,200
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	0
Cement "DEEP CRETE" ton	0	0	11
Cement "LWC" ton	0	0	16

BOAT INFORMATION

Boat Name	Location	Time Arrived	Time Departed
KAIKO	Chikyu	17:30	
#7KAIKO	Shingu		
Heisei Maru	Chikyu		

MARINE INFORMATION @24:00

Heave (m)	0.2
Pitch (deg)	0.3
Roll (deg)	0.4
Vessel Heading (deg)	90
Drift (m)	0.1
Riser Tension (Moon)	-
V.D. Load (Moon)	13,748.2
Max Draught (m)	9.07
Thruster (kW)	586
No. of transponders	10

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(knots)	CURRENT Dir. (deg)	VISIBILITY (km)
24:00	r	20.5	21.7	1005.9	8.5	82	8.9	1.1	90	5.8	0.7	163	12

TODAY'S SCHEDULE : **Thruster Investigation / Mixing Mud for 17" hole section**

REPORTED BY : Y.Masumoto/T.Saruhashi

APPROVED BY : T.Abe

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02 | **REPORT No. :** 27

HOLE NAME :	C0009A	**SITE NAME :**	NT2-11B	**Exp. :**	319	**REPORT DATE :**	6/Jun/2009
DEPTH : @24:00	2,795.0 mBRT	712.7 mbsf	PROGRESS :	Water Depth :	2,082.3 mBRT (2054mMSL)	RT-MSL : 28.3 m	SINCE MOVE : 25
@06:00	2,795.0 mBRT	712.7 mbsf		DRILLING/CORING Hrs. :	0.00 hrs	LAST CASING : 20" x 703.9 mbsf	

SUMMARY OF OPERATION: **Mixing Mud / Thruster Investigation**

PRESENT OPERATION @06:00 on **6-Jun** : **Mixing Mud / Thruster investigation**

mBRT: meter below rotary table
mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **5-Jun**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	0:00	24:00	Other	Performed rig floor PM tasks and continued with housekeeping, mixing KNPP Mud for 17" hole section, whilst awaiting thruster investigation.

TIME BREAKDOWN (00:00 - 06:00 on 6-Jun) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	6:00	6:00	Other	Performed rig floor PM tasks and continued with housekeeping, mixing KNPP Mud for 17" hole section, whilst awaiting thruster investigation. Investigation on 4P / 3C is completed. No problem.

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP

BHA RECORD / CORE BARREL TYPE

BHA No. :

STRING Wt. : @ mBRT

Wt. of Casing (kN) incl HPS	
P/U Wt. (kN) incl HPS	
S/O Wt. (kN) incl HPS	
Wt of RRT+TB(kN)	510
Wt BHA below Jar(kN)	

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cal-	K+	Content Oil	Content W	Content S	LGS	PPG	MBC	n	K	Temp In	Temp Out
Kill Mud (reserved)	17:00		1.08	105	41	44	8	10	4.8	0.5	10.7	0.1	59,300								0.57	2.5	25	

12%Pre-hy / 6%SW gel (m3)	
Mixed	0
Used SWgel	0
Ready to mix	16

SHAKER SCREEN SIZE

#1	10	84	#4	10	84
#2	10	84	#5	10	84
#3	10	84	#6	10	84

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

		Daily	Total	Eff.			Daily	Total
Process	Concentrated				Generated Vol.	Distilled Water		
Vol.	Solidification					Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP
1	6					
2	6					
3	6					

Mud Gas

	Base (%)	Max. (%)	Depth (m)
Trip Gas			
Conn. Gas			

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	121,700
Kingie-VO (Bulk)	0	0	19,560
NaOH	0	0	1,750
KOH	0	50	3,200
Lime	0	0	950
Soda Ash	0	0	0
Tel-Polymer(H)	0	200	2,160
Tel-Polymer(L)	0	800	7,360
Tel-Polymer DX	0	1,200	10,400
XCD-Polymer	0	0	1,000
Xian-Vis	0	200	1,700
NaCl (Bag)	0	0	38,000
KCL (Bag)	0	0	31,000
Clean Lube (L)	0	0	11,400
Clean Lube	0	3,000	7,400
Tel-Clean	0	0	0
Tel-DD	0	200	1,200
Lignite NC	0	0	0
Bi-Carbonate	0	0	0
Telnite GXL	0	0	90
Speeder (P)	0	0	0
Speeder (X)	0	0	0
EZ Spot	0	0	0
Deformer No.30C	0	0	224
EZ Drill	0	0	0

HELICOPTER INFORMATION

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	12:06	12:16	8	4
2	14:20	14:26	2	3
3				
4				
5				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Press.	
Kick Tolerance	

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

PERSONNEL @24:00

CDEX	9
MQJ Crew	89
MQJ(Other)	2
MWJ	12
Scientist	14
TMEIC	9
Sub Con.	
Schlumberger	1
Mud Logging	1
MI-Swaco	0
ROV	6
Telnite	1
Coring	0
Vetco Gray	0
NOV	2
Core IRM	0
Vendors	0
Others	2
Total	148

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

GEOLOGIC INFORMATION

From	To	Litho logy

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	0	81	240
Potable Water m3	0	4	199
Drill Water m3	102	19	1,698
Fuel m3	0	42.3	6,351.1
Lube, Oil Ltrs	0	0	88,200
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	0
Cement "DEEP CRETE" ton	0	0	12.5
Cement "LWC" ton	0	0	27.5

BOAT INFORMATION

Boat Name	Location	Time Arrived	Time Departed
KAIKO	Chikyu		
#7KAIKO	Shingu		
Heisei Maru	Shingu		11:00

MARINE INFORMATION @24:00

Heave (m)	0.4
Pitch (deg)	0.5
Roll (deg)	0.6
Vessel Heading (deg)	60
Drift (m)	-
Riser Tension (Moon)	-
V.D. Load (Moon)	13,488.0
Max Draught (m)	9.03
Thruster (kW)	1,757
No. of transponders	10

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(knots)	CURRENT Dir. (deg)	VISIBILITY (km)
24:00	r	20.5	20	1001.5	14.2	63	16.4	2.5	70	7	0.6	131	4

TODAY'S SCHEDULE : **Thruster Investigation / Mixing Mud for 17" hole section**

REPORTED BY : Y.Masumoto/T.Saruhashi
APPROVED BY : T.Abe

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 28

HOLE NAME :	C0009A	**SITE NAME :**	NT2-11B	**Exp. :**	319	**REPORT DATE :**	7/Jun/2009

DEPTH :	@24:00	2,795.0	mBRT	712.7	mbsf	PROGRESS :		Water Depth :	2,082.3 mBRT (2054mMSL)	RT-MSL :	28.3 m	SINCE MOVE : 26
	@06:00	2,795.0	mBRT	712.7	mbsf			DRILLING/CORING Hrs. :	0.00 hrs	LAST CASING :	20" x 703.9 mbsf

SUMMARY OF OPERATION: **Mixing Mud / Thruster Investigation**

PRESENT OPERATION @06:00 on **7-Jun** : **Mixing Mud / Thruster investigation**

mBRT: meter below rotary table

mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **6-Jun**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	0:00	24:00	DPS(N)	Performed rig floor PM tasks and continued with housekeeping, mixing KNPP Mud for 17" hole section, whilst awaiting thruster investigation.
				Completed 2P & 2S yesterday and found no any cause of failure.
				Continue to inspect 4S control system on going from yesterday and continue today.

TIME BREAKDOWN (00:00 - 06:00 on 7-Jun) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	6:00	6:00	DPS(N)	Performed rig floor PM tasks and continued with housekeeping, mixing KNPP Mud for 17" hole section, whilst awaiting thruster investigation.
				Investigate 1C thruster.

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP

BHA RECORD / CORE BARREL TYPE

BHA No. :

STRING Wt. : @ mBRT

Wt. of Casing (kN) incl HPS	
P/U Wt. (kN) incl HPS	
S/O Wt. (kN) incl HPS	
Wt of RRT+TB(kN)	510
Wt BHA below Jar(kN)	

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cal-	K+	Content Oil	Content W	Content S	LGS	PPG	MBC	n	K	Temp In	Temp Out
KNPP	19:30		1.08	113	20	42	8	10	4.6	0.5	10.6	0.1									0.58	2.2	26	

12%Pre-hy / 6%SW gel (m3)	
Mixed	0
Used SWgel	0
Ready to mix	16

SHAKER SCREEN SIZE

#1	10	84	#4	10	84
#2	10	84	#5	10	84
#3	10	84	#6	10	84

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

		Daily	Total	Eff.			Daily	Total
Process	Concentrated				Generated Vol.	Distilled Water		
Vol.	Solidification					Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP
1	6					
2	6					
3	6					

Mud Gas

	Base (%)	Max. (%)	Depth (m)
Trip Gas			
Conn. Gas			

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	121,700
Kingie-VO (Bulk)	0	0	19,560
NaOH	0	0	1,750
KOH	0	100	3,100
Lime	0	0	950
Soda Ash	0	0	0
Tel-Polymer(H)	0	400	1,760
Tel-Polymer(L)	0	1,600	5,760
Tel-Polymer DX	0	2,400	8,000
XCD-Polymer	0	0	1,000
Xian-Vis	0	400	1,300
NaCl (Bag)	0	5,000	33,000
KCL (Bag)	0	5,000	26,000
Clean Lube (L)	0	1,000	10,400
Clean Lube	0	5,000	2,400
Tel-Clean	0	0	0
Tel-DD	0	400	800
Lignite NC	0	0	0
Bi-Carbonate	0	0	0
Telnite GXL	0	0	90
Speeder (P)	0	0	0
Speeder (X)	0	0	0
EZ Spot	0	0	0
Deformer No.30C	0	0	224
EZ Drill	0	0	0

HELICOPTER INFORMATION

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1				
2				
3				
4				
5				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Press.	
Kick Tolerance	

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

PERSONNEL @24:00

CDEX	9
MQJ Crew	89
MQJ(Other)	2
MWJ	12
Scientist	14
TMEIC	9
Sub Con.	
Schlumberger	1
Mud Logging	1
MI-Swaco	0
ROV	6
Telnite	1
Coring	0
Vetco Gray	0
NOV	2
Core IRM	0
Vendors	0
Others	2
Total	148

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

GEOLOGIC INFORMATION

From	To	Litho logy

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	0	61	179
Potable Water m3	0	3	196
Drill Water m3	102	143	1,657
Fuel m3	0	45.8	6,305.3
Lube, Oil Ltrs	0	0	88,200
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	0
Cement "DEEP CRETE" ton	0	0	12.5
Cement "LWC" ton	0	0	27.5

BOAT INFORMATION

Boat Name	Location	Time Arrived	Time Departed
KAIKO	Chikyu		
#7KAIKO	Chikyu	23:00	
Heisei Maru	Shingu		

MARINE INFORMATION @24:00

Heave (m)	0.2
Pitch (deg)	0.3
Roll (deg)	0.2
Vessel Heading (deg)	255
Drift (m)	-
Riser Tension (Moon)	-
V.D. Load (Moon)	13,387.5
Max Draught (m)	9.05
Thruster (kW)	1,575
No. of transponders	10

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(knots)	CURRENT Dir. (deg)	VISIBILITY (km)
24:00	bc	21	20.9	1003.2	4.2	280	4.5	0.8	70	6.4	1.0	112	28

TODAY'S SCHEDULE : **Thruster Investigation / Mixing Mud for 17" hole section**

REPORTED BY : Y.Masumoto/T.Saruhashi

APPROVED BY : T.Abe

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02 | **REPORT No. :** 29

HOLE NAME :	C0009A	**SITE NAME :**	NT2-11B	**Exp. :**	319	**REPORT DATE :**	8/Jun/2009
DEPTH : @24:00	2,795.0 mBRT	712.7 mbsf	PROGRESS :	Water Depth :	2,082.3 mBRT (2054mMSL)	RT-MSL : 28.3 m	SINCE MOVE : 27
@06:00	2,795.0 mBRT	712.7 mbsf		DRILLING/CORING Hrs. :	0.00 hrs	LAST CASING : 20" x 703.9 mbsf	

SUMMARY OF OPERATION: **Mixing Mud / Thruster Investigation**

PRESENT OPERATION @06:00 on 8-Jun : **Prepare moonpool for BOP lift / Thruster investigation**

mBRT: meter below rotary table
mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on 7-Jun)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	0:00	24:00	DPS(N)	Performed rig floor PM tasks and continued with housekeeping, mixing KNPP Mud for 17" hole section, whilst awaiting thruster investigation.
				Completed 1C thruster investigation.
				Continue to inspect 4S control system on going from yesterday and continue today.
				Commence load test on 4S thruster at 22:19.

TIME BREAKDOWN (00:00 - 06:00 on 8-Jun) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	6:00	6:00	DPS(N)	Performed rig floor PM tasks and continued with housekeeping, mixing KNPP Mud for 17" hole section,
				Prepare moonpool for BOP lifting while awaiting thruster investigation.
				Continue load test on 4S thruster and completed at 4:39.

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP

BHA RECORD / CORE BARREL TYPE

BHA No. :

STRING Wt. : @ mBRT

Wt. of Casing (kN) incl HPS	
P/U Wt. (kN) incl HPS	
S/O Wt. (kN) incl HPS	
Wt of RRT+TB(kN)	510
Wt BHA below Jar*(kN)	

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.	WL	Cake	pH	Pf	Cal-	K+	Content Oil	Content W	Content S	LGS	PPG	MBC	n	K	Temp In	Temp Out
KNPP																							

12%Pre-hy / 6%SW gel (m3)	
Mixed	0
Used SWgel	0
Ready to mix	16

SHAKER SCREEN SIZE

#1	10	84	#4	10	84
#2	10	84	#5	10	84
#3	10	84	#6	10	84

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

		Daily	Total	Eff.			Daily	Total
Process	Concentrated				Generated Vol.	Distilled Water		
Vol.	Solidification					Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP
1	6					
2	6					
3	6					

Mud Gas

	Base (%)	Max. (%)	Depth (m)
Trip Gas			
Conn. Gas			

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	121,700
Kingie-VO (Bulk)	0	0	19,560
NaOH	0	0	1,750
KOH	0	50	3,050
Lime	0	0	950
Soda Ash	0	0	0
Tel-Polymer(H)	0	0	1,760
Tel-Polymer(L)	0	0	5,760
Tel-Polymer DX	0	0	8,000
XCD-Polymer	0	0	1,000
Xian-Vis	0	0	1,300
NaCl (Bag)	0	0	33,000
KCL (Bag)	0	0	26,000
Clean Lube (L)	0	3,000	7,400
Clean Lube	0	0	2,400
Tel-Clean	0	0	0
Tel-DD	0	0	800
Lignite NC	0	0	0
Bi-Carbonate	0	0	0
Telnite GXL	0	0	90
Speeder (P)	0	0	0
Speeder (X)	0	0	0
EZ Spot	0	0	0
Deformer No.30C	0	0	224
EZ Drill	0	0	0

HELICOPTER INFORMATION

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1				
2				
3				
4				
5				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Press.	
Kick Tolerance	

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

PERSONNEL @24:00

CDEX	9
MQJ Crew	89
MQJ(Other)	2
MWJ	12
Scientist	14
TMEIC	9
Sub Con.	
Schlumberger	1
Mud Logging	1
MI-Swaco	0
ROV	6
Telnite	1
Coring	0
Vetco Gray	0
NOV	2
Core IRM	0
Vendors	0
Others	2
Total	148

GEOLOGIC INFORMATION

From	To	Litho logy

MARINE INFORMATION @24:00

Heave (m)	0.4
Pitch (deg)	0.4
Roll (deg)	0.3
Vessel Heading (deg)	206
Drift (m)	-
Riser Tension (Moon)	-
V.D. Load (Moon)	13,384.8
Max Draught (m)	9.17
Thruster (kW)	3,432
No. of transponders	10

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	90	80	189
Potable Water m3	0	1	195
Drill Water m3	0	0	1,657
Fuel m3	0	42.5	6,262.8
Lube, Oil Ltrs	0	700	87,500
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	0
Cement "DEEP CRETE" ton	0	0	12.5
Cement "LWC" ton	0	0	27.5

BOAT INFORMATION

Boat Name	Location	Time Arrived	Time Departed
KAIKO	Shingu		3:04
#7KAIKO	Chikyu		
Heisei Maru	Chikyu	10:35	

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(knots)	CURRENT Dir. (deg)	VISIBILITY (km)
24:00	bc	21.5	20.8	1010	7.2	179	8.2	0.9	200	7.2	0.4	284	20

TODAY'S SCHEDULE : **Run BOP & Risers**

REPORTED BY : Y.Masumoto/T.Saruhashi
APPROVED BY : T.Abe

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 30

HOLE NAME :	C0009A	**SITE NAME :**	NT2-11B	**Exp. :**	319	**REPORT DATE :**	9/Jun/2009
DEPTH : @24:00	2,795.0 mBRT	712.7 mbsf	PROGRESS :	Water Depth :	2,082.3 mBRT (2054mMSL)	RT-MSL : 28.3 m	SINCE MOVE : 28
@06:00	2,795.0 mBRT	712.7 mbsf		DRILLING/CORING Hrs. :	0.00 hrs	LAST CASING : 20" x 703.9 mbsf	

SUMMARY OF OPERATION

PRESENT OPERATION @06:00 on 9-Jun : **Installing seal sub for pressure test.**

mBRT: meter below rotary table

mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on 8-Jun)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	10:00	10:00	DPS(N)	Secure tagger wire on BOP. Move hanging point of moonpool hoses while awaiting thruster investigation.
10:00	12:00	2:00	BOPE	PU BOP off cart and skid cart aft. Lower BOP to engage BOP spire on BOP guide. Remove tagger wires on BOP
12:00	15:45	3:45	BOPE	Continue with installation of IRJ can, MUX and Hotlines.
15:45	17:30	1:45	BOPE	Rig up and pressure test C/K/B/C aux lines 300psi for 5min and 5000psi for 10min on centralizer joint. OK.
17:30	20:30	3:00	BOPE	Install fairing platfrom
20:30	0:00	3:30	BOPE	Commence running riser as per program Run 20ft pup and 15ft pup joint and PU #1 slick joint
				* Bulls eye on UFJ 1/4deg to Port Fore, BOP 1/8deg to Port, LMRP 1/4deg to Port when lower in to the water
				* Take extra time to install bolt insert and the clamp holder on 2 x repaired slick joints before 2nd pressure test
				Run riser to 62mBRT @24:00

TIME BREAKDOWN (00:00 - 06:00 on 9-Jun) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	5:30	6:00	BOPE	PU and MU #2-4 slick joint as per program
5:30	6:00	0:30	BOPE	Install seal sub for pressure test auxiliary lines.
				Run riser to 172mBRT @06:00

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP

BHA RECORD / CORE BARREL TYPE

BHA No. :

STRING Wt. : @ mBRT

Wt. of Casing (kN) incl HPS	
P/U Wt. (kN) incl HPS	
S/O Wt. (kN) incl HPS	
Wt of RRT+TB(kN)	510
Wt BHA below Jar(kN)	

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.	WL	Cake	pH	Pf	Cal-	K+	Content Oil	Content W	Content S	LGS	PPG	MBC	n	K	Temp In	Temp Out

12%Pre-hy / 6%SW gel (m3)	
Mixed	0
Used SWgel	0
Ready to mix	16

SHAKER SCREEN SIZE

#1	10	84	#4	10	84		
#2	10	84	#5	10	84		
#3	10	84	#6	10	84		

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

		Daily	Total	Eff.			Daily	Total
Process	Concentrated				Generated Vol.	Distilled Water		
Vol.	Solidification					Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP
1	6					
2	6					
3	6					

Mud Gas

	Base (%)	Max. (%)	Depth (m)
Trip Gas			
Conn. Gas			

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	121,700
Kingie-VO (Bulk)	0	0	19,560
NaOH	0	0	1,750
KOH	0	0	3,050
Lime	0	0	950
Soda Ash	0	0	0
Tel-Polymer(H)	0	0	1,760
Tel-Polymer(L)	0	0	5,760
Tel-Polymer DX	0	0	8,000
XCD-Polymer	0	0	1,000
Xian-Vis	0	0	1,300
NaCl (Bag)	0	6,000	27,000
KCL (Bag)	0	3,000	23,000
Clean Lube (L)	0	0	7,400
Clean Lube	0	0	2,400
Tel-Clean	0	0	0
Tel-DD	0	0	800
Lignite NC	0	0	0
Bi-Carbonate	0	0	0
Telnite GXL	0	0	90
Speeder (P)	0	0	0
Speeder (X)	0	0	0
EZ Spot	0	0	0
Deformer No.30C	0	0	224
EZ Drill	0	0	0

HELICOPTER INFORMATION

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	9:06	9:13	2	8
2	11:05	11:10	0	4
3				
4				
5				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Press.	
Kick Tolerance	

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

PERSONNEL @24:00

CDEX	7
MQJ Crew	89
MQJ(Other)	2
MWJ	14
Scientist	14
TMEIC	1
Sub Con.	
Schlumberger	1
Mud Logging	0
MI-Swaco	0
ROV	6
Telnite	1
Coring	0
Vetco Gray	0
NOV	2
Core IRM	0
Vendors	0
Others	1
Total	138

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

GEOLOGIC INFORMATION

From	To	Litho logy

BOAT INFORMATION

Boat Name	Location	Time Arrived	Time Departed
KAIKO	Shingu		
#7KAIKO	Chikyu		
Heisei Maru	Chikyu	10:35	

MARINE INFORMATION @24:00

Heave (m)	0.3
Pitch (deg)	0.4
Roll (deg)	0.3
Vessel Heading (deg)	140
Drift (m)	0.1
Riser Tension (Moon)	-
V.D. Load (Moon)	13,767.4
Max Draught (m)	9.10
Thruster (kW)	749
No. of transponders	10

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	84	66	207
Potable Water m3	0	4	191
Drill Water m3	0	0	1,657
Fuel m3	0	45.8	6,217.0
Lube, Oil Ltrs	0	600	86,900
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	0
Cement "DEEP CRETE" ton	0	0	12.5
Cement "LWC" ton	0	0	27.5

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(knots)	CURRENT Dir. (deg)	VISIBILITY (km)
24:00	bc	22	20.9	1014.5	6.0	267	6.1	1	250	7.7	0.1	194	24

TODAY'S SCHEDULE : **Run BOP & Risers**

REPORTED BY : Y.Masumoto/T.Saruhashi

APPROVED BY : T.Abe

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02 | **REPORT No. :** 31

HOLE NAME : C0009A | **SITE NAME :** NT2-11B | **Exp. :** 319 | **REPORT DATE :** 10/Jun/2009

DEPTH : @24:00 **2,795.0** mBRT **712.7** mbsf | PROGRESS : | Water Depth : **2,082.3** mBRT (**2054**mMSL) | RT-MSL : **28.3** m | SINCE MOVE : **29**

@06:00 **2,795.0** mBRT **712.7** mbsf | DRILLING/CORING Hrs. : **0.00** hrs | LAST CASING : **20"** x **703.9** mbsf

SUMMARY OF OPERATION **Run BOP / Risers**

PRESENT OPERATION @06:00 on **10-Jun** : **Run BOP / Risers**

mBRT: meter below rotary table

mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **9-Jun**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	6:00	6:00	BOPE	PU and MU #2-4 slick joint as per program
6:00	7:30	1:30	BOPE	Install seal sub for pressure test auxiliary lines. Conducted PT on Auxiliary lines 300psi and 5000psi on #4 slick joint. OK.
7:30	17:30	10:00	BOPE	PU and MU #5-10 Slick & #1-#6 Red Buoyancy Joints to 501mBRT
17:30	19:00	1:30	BOPE	Rig up and pressure test C/K/B/C aux lines 300psi for 5min and 5000psi for 10min on #6 Red Buoyancy Joint. OK.
19:00	0:00	5:00	BOPE	Continue to run #6-10 Red and #1-2 Orange Buoyancy Joints to 666mBRT
				RALs cans are installed on #8 slick joint and #7 red buoyancy jonit.
				Normalized running speed including pressure test 40min/joint
				* Loaded all riser farring on board

TIME BREAKDOWN (00:00 - 06:00 on 10-Jun) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	6:00	6:00	BOPE	PU and MU #3-12 Orange Buoyancy Joint to 940mBRT
				RALs cans are installed on #9 orange buoyancy jonit.

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP

BHA RECORD / CORE BARREL TYPE

BHA No. :

STRING Wt. : @ mBRT

Wt. of Casing (kN) incl HPS	
P/U Wt. (kN) incl HPS	
S/O Wt. (kN) incl HPS	
Wt of RRT+TB(kN)	
Wt BHA below Jar(kN)	510

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cal-	K+	Content Oil	W	S	LGS	PPG	MBC	n	K	Temp In	Out
KNPP	11:00		1.08	95	38	42	7	8	4.8	0.5	10.3	0.1									0.56	2.4		

12%Pre-hy / 6%SW gel (m3)	
Mixed	0
Used SWgel	0
Ready to mix	16

SHAKER SCREEN SIZE

#1	10	84	#4	10	84
#2	10	84	#5	10	84
#3	10	84	#6	10	84

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

		Daily	Total	Eff.			Daily	Total
Process	Concentrated				Generated Vol.	Distilled Water		
Vol.	Solidification					Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	DP
1	6					
2	6					
3	6					

Mud Gas

Base (%)	Max. (%)	Depth (m)
Trip Gas		
Conn. Gas		

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	121,700
Kingie-VO (Bulk)	0	0	19,560
NaOH	0	50	1,700
KOH	0	25	3,025
Lime	0	0	950
Soda Ash	0	0	0
Tel-Polymer(H)	0	200	1,560
Tel-Polymer(L)	0	800	4,960
Tel-Polymer DX	0	1,200	6,800
XCD-Polymer	0	0	1,000
Xian-Vis	0	200	1,100
NaCl (Bag)	0	6,000	21,000
KCL (Bag)	0	9,000	14,000
Clean Lube (L)	0	3,000	4,400
Clean Lube	0	0	2,400
Tel-Clean	0	0	0
Tel-DD	0	400	400
Lignite NC	0	0	0
Bi-Carbonate	0	0	0
Telnite GXL	0	0	90
Speeder (P)	0	0	0
Speeder (X)	0	0	0
EZ Spot	0	0	0
Deformer No.30C	0	0	224
EZ Drill	0	0	0

HELICOPTER INFORMATION

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1				
2				
3				
4				
5				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Press.	
Kick Tolerance	

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

PERSONNEL @24:00

CDEX	7
MOJ Crew	89
MOJ(Other)	2
MWJ	14
Scientist	14
TMEIC	1
Sub Con.	
Schlumberger	1
Mud Logging	0
MI-Swaco	0
ROV	6
Telnite	1
Coring	0
Vetco Gray	0
NOV	2
Core IRM	0
Vendors	0
Others	1
Total	138

GEOLOGIC INFORMATION

From	To	Litho logy

BOAT INFORMATION

Boat Name	Location	Time Arrived	Time Departed
KAIKO	Shingu	14:15	23:22
#7KAIKO	Chikyu		
Heisei Maru	Chikyu		

MARINE INFORMATION @24:00

Heave (m)	0.2
Pitch (deg)	0.3
Roll (deg)	1
Vessel Heading (deg)	270
Drift (m)	0.7
Riser Tension (Moon)	-
V.D. Load (Moon)	12,098.7
Max Draught (m)	9.10
Thruster (kW)	895
No. of transponders	10

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	84	57	234
Potable Water m3	0	5	186
Drill Water m3	0	87	1,570
Fuel m3	0	43.6	6,173.4
Lube, Oil Ltrs	0	1600	85,300
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	0
Cement "DEEP CRETE" ton	0	0	12.5
Cement "LWC" ton	0	0	27.5

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	SW	Barometer (hPa)	WIND Speed(m/s)	Dir. (deg)	Gust (m/s)	WAVE Height(m)	Dir. (deg)	Period (s)	CURRENT Speed(knots)	Dir. (deg)	VISIBILITY (km)
24:00	o	22	20	1013.3	7.6	206	8.3	0.8	220	5.9	0.3	297	20

TODAY'S SCHEDULE : **Run BOP & Risers**

REPORTED BY : Y.Masumoto/T.Saruhashi

APPROVED BY : T.Abe

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 32

HOLE NAME :	C0009A	**SITE NAME :**	NT2-11B	**Exp. :**	319	**REPORT DATE :**	11/Jun/2009

DEPTH : @24:00 **2,795.0** mBRT **712.7** mbsf PROGRESS : Water Depth : **2,082.3** mBRT (**2054**mMSL) RT-MSL : **28.3** m SINCE MOVE : **30**

@06:00 **2,795.0** mBRT **712.7** mbsf DRILLING/CORING Hrs. : **0.00** hrs LAST CASING : **20"** x **703.9** mbsf

SUMMARY OF OPERATION **Run BOP / Risers**

PRESENT OPERATION @06:00 on **11-Jun** : **Run BOP / Risers with Fairing**

mBRT: meter below rotary table

mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **10-Jun**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	7:15	7:15	BOPE	PU and MU #3-14 Orange Buoyancy Joint to 940mBRT.
				#3RALs cans are installed on #9 orange buoyancy jonit.
7:15	9:15	2:00	BOPE	Rig up and pressure test C/K/B/C aux lines 300psi for 5min and 5000psi for 10min on #14 Orange Buoyancy Joint. OK.
9:15	14:30	5:15	BOPE	Continue to PU and MU #15-21 Orange Buoyancy Joints to 1187mBRT.
				#4RALs cans are installed on #21 orange buoyancy jonit.
14:30	20:30	6:00	BOPE	PU and MU #1-11 Blue Buoyancy Joint to 1488mBRT.
20:30	0:00	3:30	BOPE	PU and MU #1-6 Green Buoyancy Joint to 1653mBRT.
				#5RALs cans are installed on #1 Green buoyancy jonit.
				Normalized running speed 41min/joint including PT.

TIME BREAKDOWN (00:00 - 06:00 on 11-Jun) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	0:45	0:45	BOPE	Continue to PU and MU #7 Green Buoyancy Joint to 1681mBRT
0:45	2:15	1:30	BOPE	Rig up and pressure test C/K/B/C aux lines 300psi for 5min and 5000psi for 10min on #7 Green Buoyancy Joint. OK.
2:15	3:00	0:45	BOPE	Commence PU and MU #8 Green Buoyancy Joint with fairing.
3:00	4:00	1:00	BOPE	Conduct TBRA fpr installation of fairing and prepare fairing equipment on working cart.
4:00	5:00	1:00	BOPE	Run down # 8 Green Buoyancy Joint with 3ea of fairing to 1708mBRT
5:00	6:00	1:00	BOPE	MU #9 Green Buoyancy Joint.

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP

BHA RECORD / CORE BARREL TYPE

BHA No. :

STRING Wt. : @ 1708 mBRT

Wt. of BOP Riser(kN) incl HPS	8400
P/U Wt. (kN) incl HPS	
S/O Wt. (kN) incl HPS	
Wt of RRT+TB(kN)	510
Wt BHA below Jar(kN)	

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cal-	K+	Content Oil	Content W	Content S	LGS	PPG	MBC	n	K	Temp In	Temp Out
KNPP	15:00		1.08	92	35	40	6	8	4.9	0.5	11.4	0.2		29,700						0.3	0.55	2.4	27	

12%Pre-hy / 6%SW gel (m3)	
Mixed	0
Used SWgel	0
Ready to mix	16

SHAKER SCREEN SIZE

#1	10	84	#4	10	84
#2	10	84	#5	10	84
#3	10	84	#6	10	84

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

		Daily	Total	Eff.			Daily	Total
Process	Concentrated				Generated Vol.	Distilled Water		
Vol.	Solidification					Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP
1	6					
2	6					
3	6					

Mud Gas

	Base (%)	Max. (%)	Depth (m)
Trip Gas			
Conn. Gas			

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	121,700
Kingie-VO (Bulk)	0	0	19,560
NaOH	0	0	1,700
KOH	0	350	2,950
Lime	0	0	950
Soda Ash	0	0	0
Tel-Polymer(H)	0	200	1,360
Tel-Polymer(L)	0	1,600	3,360
Tel-Polymer DX	0	1,200	5,600
XCD-Polymer	0	0	1,000
Xian-Vis	0	200	900
NaCl (Bag)	0	6,000	15,000
KCL (Bag)	0	0	14,000
Clean Lube (L)	0	1,200	3,200
Clean Lube	0	400	2,000
Tel-Clean	0	0	0
Tel-DD	0	200	200
Lignite NC	0	0	0
Bi-Carbonate	0	0	0
Telnite GXL	0	0	90
Speeder (P)	0	0	0
Speeder (X)	0	0	0
EZ Spot	0	0	0
Deformer No.30C	0	0	224
EZ Drill	0	0	0

HELICOPTER INFORMATION

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	9:09	9:15	8	8
2	11:05	11:14	8	8
3				
4				
5				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Press.	
Kick Tolerance	

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

PERSONNEL @24:00

CDEX	7
MQJ Crew	91
MQJ(Other)	2
MWJ	14
Scientist	14
TMEIC	0
Sub Con.	
Schlumberger	1
Mud Logging	0
MI-Swaco	0
ROV	5
Telnite	1
Coring	0
Vetco Gray	1
NOV	1
Core IRM	0
Vendors	0
Others	1
Total	138

GEOLOGIC INFORMATION

From	To	Litho logy

MARINE INFORMATION @24:00

Heave (m)	0.4
Pitch (deg)	0.3
Roll (deg)	0.4
Vessel Heading (deg)	220
Drift (m)	0.9
Riser Tension (Moon)	-
V.D. Load (Moon)	11,146.9
Max Draught (m)	9.12
Thruster (kW)	1,303
No. of transponders	10

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	95	62	267
Potable Water m3	0	4	182
Drill Water m3	0	89	1,481
Fuel m3	0	43.6	6,129.6
Lube, Oil Ltrs	0	0	85,300
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	0
Cement "DEEP CRETE" ton	0	0	12.5
Cement "LWC" ton	0	0	27.5

BOAT INFORMATION

Boat Name	Location	Time Arrived	Time Departed
KAIKO	Transit to Shingu	19:00	23:22
#7KAIKO	Chikyu		
Heisei Maru	Chikyu		

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(knots)	CURRENT Dir. (deg)	VISIBILITY (km)
24:00	o	21	22.2	1004	13.5	193	16.2	1.9	215	6.2	0.7	195	15

TODAY'S SCHEDULE : **Run BOP & Risers**

REPORTED BY : D.Ikenomoto / T.Saruhashi

APPROVED BY : T.Abe

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 33

HOLE NAME : C0009A **SITE NAME :** NT2-11B **Exp. :** 319 **REPORT DATE :** 12/Jun/2009

DEPTH : @24:00 **2,795.0** mBRT **712.7** mbsf PROGRESS : Water Depth : **2,082.3** mBRT (**2054**mMSL) RT-MSL : **28.3** m SINCE MOVE : **31**

@06:00 **2,795.0** mBRT **712.7** mbsf DRILLING/CORING Hrs. : **0.00** hrs LAST CASING : **20"** x **703.9** mbsf

SUMMARY OF OPERATION **Run BOP / Risers with Fairing**

PRESENT OPERATION @06:00 on **12-Jun** : **Run BOP / Risers with Fairing**

mBRT: meter below rotary table

mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **11-Jun**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	0:45	0:45	BOPE	Continue to PU and MU #7 Green Buoyancy Joint to 1680mBRT
0:45	2:15	1:30	BOPE	Rig up and pressure test C/K/B/C aux lines 300psi for 5min and 5000psi for 10min on #7 Green Buoyancy Joint. OK.
2:15	3:00	0:45	BOPE	Commence PU and MU #8 Green Buoyancy Joint with fairing.
3:00	4:00	1:00	BOPE	Conduct TBRA fpr installation of fairing and prepare fairing equipment on working cart.
4:00	18:00	14:00	BOPE	PU and MU #8-13 Green Buoyancy Joints with fairing and run down same to 1844mBRT.
18:00	19:30	1:30	BOPE	Rig up and pressure test C/K/B/C aux lines 300psi for 5min and 5000psi for 10min on #13 Green Buoyancy Joint. OK.
19:30	0:00	4:30	BOPE	Continue to PU and MU #14-15 Green Buoyancy Joints with fairing and run down same to 1899mBRT
				#6RALs cans are installed on #14 Green Buoyancy Joint.
				Normalized fairing running speed including PT: 156min/joint (#8-#17Green Buoyancy Joints)
				Installed fairing 11pcs per joint.

TIME BREAKDOWN (00:00 - 06:00 on 12-Jun) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	6:00	6:00	BOPE	Continue to PU and MU #16-18 Green Buoayancy Joints and run down same to 1967mBRT.
				Commence moving vessel to 50m offset of site with 0.5knots ground speed at 3:15

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP

BHA RECORD / CORE BARREL TYPE

BHA No. :

STRING Wt. : @ 1899 mBRT

Wt. of BOP Riser(kN) incl HPS	8760
P/U Wt. (kN) incl HPS	
S/O Wt. (kN) incl HPS	
Wt of RRT+TB(kN)	510
Wt BHA below Jar(kN)	

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cal-	K+	Content Oil	Content W	Content S	LGS	PPG	MBC	n	K	Temp In	Temp Out
KNPP	16:30		1.08	118	69	48	8	10	4.5	0.5	11.1	0.1		30,200						0.3	0.57	2.67	25	

12%Pre-hy / 6%SW gel (m3)	
Mixed	0
Used SWgel	0
Ready to mix	8

SHAKER SCREEN SIZE

#1	10	84	#4	10	84
#2	10	84	#5	10	84
#3	10	84	#6	10	84

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

		Daily	Total	Eff.			Daily	Total
Process	Concentrated				Generated Vol.	Distilled Water		
Vol.	Solidification					Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP
1	6					
2	6					
3	6					

Mud Gas

	Base (%)	Max. (%)	Depth (m)
Trip Gas			
Conn. Gas			

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	121,700
Kingie-VO (Bulk)	0	0	19,560
NaOH	0	0	1,700
KOH	0	25	2,925
Lime	0	0	950
Soda Ash	0	0	0
Tel-Polymer(H)	0	180	1,180
Tel-Polymer(L)	0	20	3,340
Tel-Polymer DX	0	1,200	4,400
XCD-Polymer	0	0	1,000
Xian-Vis	0	200	700
NaCl (Bag)	6,000	0	21,000
KCL (Bag)	16,000	0	24,000
Clean Lube (L)	0	1,200	3,200
Clean Lube	0	0	400
Tel-Clean	0	0	0
Tel-DD	0	0	200
Lignite NC	0	0	0
Bi-Carbonate	0	0	0
Telnite GXL	0	0	90
Speeder (P)	0	0	0
Speeder (X)	0	0	0
EZ Spot	0	0	0
Deformer No.30C	0	0	224
EZ Drill	0	0	0

HELICOPTER INFORMATION

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	9:05	9:14	8	8
2	11:03	11:12	8	8
3				
4				
5				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Press.	
Kick Tolerance	

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

PERSONNEL @24:00

CDEX	7
MQJ Crew	91
MQJ(Other)	3
MWJ	14
Scientist	14
TMEIC	0
Sub Con.	
Schlumberger	1
Mud Logging	0
MI-Swaco	0
ROV	6
Telnite	1
Coring	0
Vetco Gray	1
NOV	1
Core IRM	0
Vendors	0
Others	1
Total	140

GEOLOGIC INFORMATION

From	To	Litho logy

MARINE INFORMATION @24:00

Heave (m)	0.4
Pitch (deg)	0.5
Roll (deg)	0.3
Vessel Heading (deg)	260
Drift (m)	0.3
Riser Tension (Moon)	-
V.D. Load (Moon)	10,734.6
Max Draught (m)	9.20
Thruster (kW)	1,008
No. of transponders	10

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	98	69	296
Potable Water m3	0	3	179
Drill Water m3	0	16	1,465
Fuel m3	0	45.5	6,084.1
Lube, Oil Ltrs	0	1100	84,200
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	0
Cement "DEEP CRETE" ton	0	0	12.5
Cement "LWC" ton	0	0	27.5

BOAT INFORMATION

Boat Name	Location	Time Arrived	Time Departed
KAIKO	Chikyu		
#7KAIKO	Chikyu	6:05	
Heisei Maru	Chikyu		

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(knots)	CURRENT Dir. (deg)	VISIBILITY (km)
24:00	bc	21.5	21.7	1003.3	4.2	295	4.9	2	230	7.1	0.6	211	24

TODAY'S SCHEDULE : **Run BOP and Riser with Fairing / MU Upper Jewery Joints & Moonpool Hoses / BOP Landing**

REPORTED BY : D.Ikenomoto / T.Saruhashi

APPROVED BY : T.Abe

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 34

HOLE NAME :	C0009A	**SITE NAME :**	NT2-11B	**Exp. :**	319	**REPORT DATE :**	13/Jun/2009

DEPTH :	@24:00	2,795.0 mBRT	712.7 mbsf	PROGRESS :		Water Depth :	2,082.3 mBRT (2054mMSL)	RT-MSL :	28.3 m	SINCE MOVE : 32
	@06:00	2,795.0 mBRT	712.7 mbsf			DRILLING/CORING Hrs. :	0.00 hrs	LAST CASING :	20" x 703.9 mbsf	

SUMMARY OF OPERATION

Run BOP / Risers with Fairing and install moonpool hoses.

PRESENT OPERATION @06:00 on **13-Jun** : **Flushing auxiliary lines**

mBRT: meter below rotary table

mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **12-Jun**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	9:30	6:00	BOPE	Continue to PU and MU #16-18 Green Buoyancy Joints and run down same to 1967mBRT.
				Commence moving vessel to 50m offset of site with 0.5knots ground speed at 3:15
9:30	11:00	1:30	BOPE	Rig up and pressure test C/K/B/C aux lines 300psi for 5min and 5000psi for 10min on #19 Green Buoyancy Joint. OK.
11:00	12:00	1:00	BOPE	PU and MU termination joint. (the vessel position at 50m from the hole @11:00)
12:00	13:15	1:15	BOPE	Hold TBRA. Complete MU of termination joint. Install fairing w/last Green Buoyancy joint.
13:15	14:00	0:45	BOPE	PU and MU safety joint. (Deploy ROV @13:30)
14:00	15:00	1:00	BOPE	PU and MU intermediate flex joint.
15:00	16:00	1:00	BOPE	PU and MU 30ft pup joint.
16:00	17:15	1:15	BOPE	Rig down riser fairing plat form assembly.
17:15	18:15	1:00	BOPE	PU and MU Telescopic joint and position at gooseneck installation level.
18:15	0:00	5:45	BOPE	Rig up and install Choke, Kill, Booster, Conduit hose's.

TIME BREAKDOWN (00:00 - 06:00 on 13-Jun) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	3:45	3:45	BOPE	Continue to install Conduit hose's.
3:45	6:00	2:25	BOPE	Flush booster, kill and choke line for pressure test. Pressure build up on choke line. Troubleshoot same.
				Obstruction is supected nearby the choke isolation valve. Pressuring choke side 10-20Mpa three times.
				Choke line is free from obstruction by several pressuring up lines at 7:00.
				Continue to flush lines to eleminate the debris accumulation inside the line.

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP

BHA RECORD / CORE BARREL TYPE

BHA No. :

STRING Wt. : @ 1899 mBRT

Wt. of BOP Riser(kN) incl HPS	9400
P/U Wt. (kN) incl HPS	
S/O Wt. (kN) incl HPS	
Wt of RRT+TB(kN)	510
Wt BHA below Jar(kN)	

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cal-	K+	Content Oil	Content W	Content S	LGS	PPG	MBC	n	K	Temp In	Temp Out
KNPP	23:30		1.08	91	31	36	8	10	5.3	0.5	11.2	0.1		29,700						0	0.55	2.19	25	

12%Pre-hy / 6%SW gel (m3)	
Mixed	0
Used SWgel	0
Ready to mix	8

SHAKER SCREEN SIZE

#1	10	84	#4	10	84
#2	10	84	#5	10	84
#3	10	84	#6	10	84

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

		Daily	Total	Eff.			Daily	Total
Process	Concentrated				Generated Vol.	Distilled Water		
Vol.	Solidification					Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP
1	6					
2	6					
3	6					

Mud Gas

	Base (%)	Max. (%)	Depth (m)
Trip Gas			
Conn. Gas			

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	121,700
Kingie-VO (Bulk)	0	0	19,560
NaOH	0	0	1,700
KOH	0	50	2,875
Lime	0	0	950
Soda Ash	0	0	0
Tel-Polymer(H)	100	180	1,080
Tel-Polymer(L)	0	400	2,940
Tel-Polymer DX	0	600	3,800
XCD-Polymer	0	0	1,000
Xian-Vis	0	100	600
NaCl (Bag)	17,000	3,000	35,000
KCL (Bag)	0	3,000	21,000
Clean Lube (L)	0	1,600	1,600
Clean Lube	0	0	400
Tel-Clean	0	0	0
Tel-DD	0	200	0
Lignite NC	0	0	0
Bi-Carbonate	0	0	0
Telnite GXL	0	0	90
Speeder (P)	0	0	0
Speeder (X)	0	0	0
EZ Spot	0	0	0
Deformer No.30C	0	0	224
EZ Drill	0	0	0

HELICOPTER INFORMATION

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	9:05	9:14	7	5
2				
3				
4				
5				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Press.	
Kick Tolerance	

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

PERSONNEL @24:00

CDEX	8
MOJ Crew	91
MOJ(Other)	4
MWJ	14
Scientist	14
TMEIC	0
Sub Con.	
Schlumberger	1
Mud Logging	0
MI-Swaco	0
ROV	6
Telnite	1
Coring	0
Vetco Gray	1
NOV	1
Core IRM	0
Vendors	0
Others	1
Total	142

GEOLOGIC INFORMATION

From	To	Litho logy

BOAT INFORMATION

Boat Name	Location	Time Arrived	Time Departed
KAIKO	Chikyu	19:55	
#7KAIKO	Chikyu	14:50	
Heisei Maru	Chikyu		

MARINE INFORMATION @24:00

Heave (m)	0.3
Pitch (deg)	0.3
Roll (deg)	0.4
Vessel Heading (deg)	255
Drift (m)	0.4
Riser Tension (Moon)	-
V.D. Load (Moon)	11,392.1
Max Draught (m)	9.20
Thruster (kW)	630
No. of transponders	10

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	85	70	311
Potable Water m3	0	5	174
Drill Water m3	0	23	1,442
Fuel m3	0	44	6,040.1
Lube, Oil Ltrs	0	0	84,200
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	0
Cement "DEEP CRETE" ton	0	0	12.5
Cement "LWC" ton	0	0	27.5

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(knots)	CURRENT Dir. (deg)	VISIBILITY (km)
24:00	c	22	22.3	1004.1	9.4	230	10.3	1.2	230	6.2	0.9	112	20

TODAY'S SCHEDULE : **Pressure Test lines, attach control lines on TJ, couple tensioner rings and land BOP**

REPORTED BY : D.Ikenomoto / T.Saruhashi

APPROVED BY : I. Sawada

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 35

HOLE NAME :	C0009A	**SITE NAME :**	NT2-11B	**Exp. :**	319	**REPORT DATE :**	14/Jun/2009
DEPTH : @24:00	2,795.0 mBRT	712.7 mbsf	PROGRESS :	Water Depth :	2,082.3 mBRT (2054mMSL)	RT-MSL : 28.3 m	SINCE MOVE : 33
@06:00	2,795.0 mBRT	712.7 mbsf		DRILLING/CORING Hrs. :	0.00 hrs	LAST CASING : 20" x	703.9 mbsf

SUMMARY OF OPERATION

PRESENT OPERATION @06:00 on 14-Jun : **Trableshoot RARS valves.**

mBRT: meter below rotary table

mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on 13-Jun)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	3:45	3:45	BOPE	Continue to install Conduit hose's.
3:45	7:30	3:45	BOPE	Flush booster, kill and choke line for pressure test. Pressure build up on choke line. Troubleshoot same.
				Obstruction is suspected nearby the choke isolation valve. Pressurise choke side up to 10-20Mpa three times.
				Choke line is free from obstruction by several pressuring up lines at 7:00.
				Continue to flush lines to eliminate the debris accumulation inside the line.
7:30	9:00	1:30	BOPE	Rig up and pressure test C/K/C aux lines 300psi for 5min and 5000psi for 10min. OK Remove two clamps on TJ and greased bearings.
9:00	10:00	1:00	BOPE	Test Booster line 300psi /5min 4000psi /10min. OK
10:00	12:15	2:15	BOPE	Install clamp for Mux line.
12:15	13:00	0:45	BOPE	Hold TBRA and run Telescopic Joint, pick up and connect landing joint.
13:00	15:00	2:00	BOPE	Engage Tensioner Ring. Install Gator lock control line and Mux line saddles.
15:00	15:30	0:30	BOPE	Hold BOP landing meeting. ROV check bull's eye's
				BOP 3/4deg-121deg, LMRP 3/4deg-121deg, Low Flex Jt. 3/4deg-140deg, GRA No.1 0.8deg-186 deg, GRA No.2 3/4deg-193deg.
15:30	18:00	2:30	BOPE	Shift Riser weight from Hook load to Riser tensioner and check riser weight with riser tensioner reading.
				Increase APV Pressure (9.0Mpa) , Lower landing joint using CMC. Unlatch gator lock of T/Joint. Slack off ,stroke out and retract riser tensioner.
				Riser weight: 8230kN with Riser tensioner reading
18:00	19:00	1:00	BOPE	Lower landing joint and close gator lock. Pick up landing joint and conduct dummy run BOP for landing.
19:00	19:15	0:15	BOPE	Pick up 3m and set up CMC and tensioner pressures. Move vessel to location.
19:15	0:00	4:45	BOPE(N)	Stop moving vessel at 10m awasy from the hole. Observe RARS valve fault. Trouble shoot with the fault (10-60% closure) in riser tensioner
				on all the tensioners.
				RARS velves are closing on #1, #2, #4, #5 and #6 tensioners (Except #3)
				Repalced V3 valves to troubleshoot closing RARS vales.

TIME BREAKDOWN (00:00 - 06:00 on 14-Jun) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	6:00	6:00	BOPE(N)	Continue to trouble shoot RARS valve fault in riser tensioner.
				Repalce V4 valve to troubleshoot.

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP

BHA RECORD / CORE BARREL TYPE

BHA No. :

STRING Wt. : @ 2043 mBRT

Wt. of BOP Riser(kN) incl HPS	9480
P/U Wt. (kN) incl HPS	
S/O Wt. (kN) incl HPS	
Wt of RRT+TB(kN)	510
Wt BHA below Jar➡(kN)	

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cal-	K+	Content Oil	Content W	Content S	LGS	PPG	MBC	n	K	Temp In	Temp Out
KNPP	15:00		1.08	93	34	40	7	9	5.3	0.5	11.3	0.1		29,700							0.55	2.47	25	

12%Pre-hy / 6%SW gel (m3)	
Mixed	0
Used SWgel	0
Ready to mix	8

SHAKER SCREEN SIZE

#1	10	84	#4	10	84
#2	10	84	#5	10	84
#3	10	84	#6	10	84

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

		Daily	Total	Eff.			Daily	Total
Process	Concentrated				Generated Vol.	Distilled Water		
Vol.	Solidification					Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP
1	6					
2	6					
3	6					

Mud Gas

	Base (%)	Max. (%)	Depth (m)
Trip Gas			
Conn. Gas			

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	121,700
Kingie-VO (Bulk)	0	0	19,560
NaOH	0	0	1,700
KOH	0	50	2,825
Lime	0	0	950
Soda Ash	0	0	0
Tel-Polymer(H)	0	100	980
Tel-Polymer(L)	0	400	2,540
Tel-Polymer DX	0	600	3,200
XCD-Polymer	0	0	1,000
Xian-Vis	0	100	500
NaCl (Bag)	0	3,000	3,200
KCL (Bag)	4,000	3,000	22,000
Clean Lube (L)	7,200	1,000	7,800
Clean Lube	0	400	0
Tel-Clean	0	0	0
Tel-DD	1,600	0	1,600
Lignite NC	0	0	0
Bi-Carbonate	0	0	0
Telnite GXL	180	0	270
Speeder (P)	1,360	0	1,360
Speeder (X)	1,360	0	1,360
EZ Spot	440	0	440
Deformer No.30C	0	0	224
EZ Drill	0	0	0

HELICOPTER INFORMATION

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	9:05	9:14	7	5
2				
3				
4				
5				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Press.	
Kick Tolerance	

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

PERSONNEL @24:00

CDEX	8
MQJ Crew	90
MQJ(Other)	2
MWJ	14
Scientist	14
TMEIC	0
Sub Con.	
Schlumberger	5
Mud Logging	4
MI-Swaco	2
ROV	6
Telnite	1
Coring	0
Vetco Gray	1
NOV	1
Core IRM	0
Vendors	0
Others	1
Total	149

GEOLOGIC INFORMATION

From	To	Litho logy

BOAT INFORMATION

Boat Name	Location	Time Arrived	Time Departed
KAIKO	Shingu		
#7KAIKO	Chikyu		
Heisei Maru	Chikyu		

MARINE INFORMATION @24:00

Heave (m)	0.3
Pitch (deg)	0.3
Roll (deg)	0.2
Vessel Heading (deg)	255
Drift (m)	0.4
Riser Tension (Moon)	-
V.D. Load (Moon)	10722..6
Max Draught (m)	9.20
Thruster (kW)	806
No. of transponders	10

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	0	58	253
Potable Water m3	0	4	170
Drill Water m3	98	51	1,489
Fuel m3	0	43.6	5,996.5
Lube, Oil Ltrs	0	1700	82,500
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	0
Cement "DEEP CRETE" ton	0	0	12.5
Cement "LWC" ton	0	0	27.5

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(knots)	CURRENT Dir. (deg)	VISIBILITY (km)
24:00	c	22	22.1	1005	10.6	22.5	12.4	1.2	230	6.3	0.6	148	12

TODAY'S SCHEDULE : **Troubleshoot on RARS valve and BOP Landing**

REPORTED BY : D.Ikenomoto / T.Saruhashi

APPROVED BY : I. Sawada

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02 | **REPORT No. :** 36

HOLE NAME :	C0009A	**SITE NAME :**	NT2-11B	**Exp. :**	319	**REPORT DATE :**	15/Jun/2009

DEPTH :	@24:00	2,795.0	mBRT	712.7	mbsf	PROGRESS :	Water Depth : 2,082.3 mBRT (2054mMSL)	RT-MSL :	28.3	m	SINCE MOVE : 34
	@06:00	2,795.0	mBRT	712.7	mbsf		DRILLING/CORING Hrs. : 0.00 hrs	LAST CASING :	20"	x	703.9 mbsf

SUMMARY OF OPERATION

PRESENT OPERATION @06:00 on 15-Jun : **Trouble shoot RARS valves fault**

Trouble shoot RARS valve fault on riser tensioner 1,2,4,5,6

mBRT: meter below rotary table

mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on 14-Jun)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	12:00	12:00	BOPE(N)	Troubleshoot RARS valve fault on riser tensioner 1,2,4,5,6 Meanwhile Pressure test choke and kill manifold. General weekly PM task on going.
12:00	0:00	12:00	BOPE(N)	Continue to troubleshoot RARS valve fault on tensioners 1,2,4,5,6 Complete installation of moonpool index line. Drift 13-3/8" casing pup joints. Pressure test choke and kill manifold 2.07Mpa-5min, 34.47Mpa-10min. Pressure test stand manifold 2.07Mpa-5min, 52.00Mpa-10min. Load 15 cutting tanks from Kaiko #7

Replace valves

		V2	V3	V4	V5	C2
T1		o		o		o
T2		o		o		o
T3						
T4		o				
T5		o	o	o	o	
T6		o	o	o		

TIME BREAKDOWN (00:00 - 06:00 on 15-Jun) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	6:00	6:00	BOPE(N)	Continue to troubleshoot RARS valve fault on riser tensioner. Fault finding on tensioner #5 on closing pressure supply source of RARS valve. Suspected V3 valve internal leak from pilot pressures (rod side pressure / accumulator pressure) into RARS valve closing pressure line. No internal leak on close side of RARS valve itself. No leak on C2 poppet valve. Maximum closing pressure observed on RARS valve is 5Mpa which is very similar to tensioner rod side and accumulator pressure (5.0Mpa)

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP

BHA RECORD / CORE BARREL TYPE

BHA No. :

STRING Wt. : @ 2043 mBRT

Wt. of BOP Riser(kN) incl HPS	9480
P/U Wt. (kN) incl HPS	
S/O Wt. (kN) incl HPS	
Wt of RRT+TB(kN)	510
Wt BHA below Jar(kN)	

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.	WL	Cake	pH	Pf	Cal-	K+	Content Oil	Content W	Content S	LGS	PPG	MBC	n	K	Temp In	Temp Out
KNPP	11:00		1.08	93																			

12%Pre-hy / 6%SW gel (m3)	
Mixed	0
Used SWgel	0
Ready to mix	8

SHAKER SCREEN SIZE

#1	10	84	#4	10	84
#2	10	84	#5	10	84
#3	10	84	#6	10	84

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

		Daily	Total	Eff.			Daily	Total
Process	Concentrated				Generated Vol.	Distilled Water		
Vol.	Solidification					Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP
1	6					
2	6					
3	6					

Mud Gas

	Base (%)	Max. (%)	Depth (m)
Trip Gas			
Conn. Gas			

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	121,700
Kingie-VO (Bulk)	0	0	19,560
NaOH	0	0	1,700
KOH	0	0	2,825
Lime	0	0	950
Soda Ash	0	0	0
Tel-Polymer(H)	0	0	980
Tel-Polymer(L)	0	0	2,540
Tel-Polymer DX	0	0	3,200
XCD-Polymer	0	0	1,000
Xian-Vis	0	0	500
NaCl (Bag)	0	0	3,200
KCL (Bag)	0	0	22,000
Clean Lube (L)	0	0	7,800
Clean Lube	0	0	0
Tel-Clean	0	0	0
Tel-DD	0	0	1,600
Lignite NC	0	0	0
Bi-Carbonate	0	0	0
Telnite GXL	0	0	270
Speeder (P)	0	0	1,360
Speeder (X)	0	0	1,360
EZ Spot	0	0	440
Deformer No.30C	0	0	224
EZ Drill	0	0	0

HELICOPTER INFORMATION

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1				
2				
3				
4				
5				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Press.	
Kick Tolerance	

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

PERSONNEL @24:00

CDEX	8
MQJ Crew	90
MQJ(Other)	2
MWJ	14
Scientist	14
TMEIC	0
Sub Con.	
Schlumberger	5
Mud Logging	4
MI-Swaco	2
ROV	6
Telnite	1
Coring	0
Vetco Gray	1
NOV	1
Core IRM	0
Vendors	0
Others	1
Total	149

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

GEOLOGIC INFORMATION

From	To	Litho logy

BOAT INFORMATION

Boat Name	Location	Time Arrived	Time Departed
KAIKO	Shingu		10:55
#7KAIKO	Chikyu		
Heisei Maru	Chikyu		

MARINE INFORMATION @24:00

Heave (m)	-
Pitch (deg)	0.3
Roll (deg)	0.2
Vessel Heading (deg)	250
Drift (m)	0.3
Riser Tension (Moon)	-
V.D. Load (Moon)	10,694.9
Max Draught (m)	9.20
Thruster (kW)	996
No. of transponders	10

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	0	62	191
Potable Water m3	0	6	164
Drill Water m3	101	10	1,580
Fuel m3	0	44.8	5,951.7
Lube, Oil Ltrs	0	0	82,500
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	0
Cement "DEEP CRETE" ton	0	0	12.5
Cement "LWC" ton	0	0	27.5

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(knots)	CURRENT Dir. (deg)	VISIBILITY (km)
24:00	bc	22	21.5	1008.5	5.8	252	6	1.1	200	6.2	0.6	146	16

TODAY'S SCHEDULE : **Troubleshoot on RARS valve**

REPORTED BY : D.Ikenomoto / T.Saruhashi

APPROVED BY : I. Sawada

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02 | **REPORT No. :** 37

HOLE NAME :	C0009A	**SITE NAME :**	NT2-11B	**Exp. :**	319	**REPORT DATE :**	16/Jun/2009

DEPTH : @24:00 **2,795.0** mBRT **712.7** mbsf PROGRESS : Water Depth : **2,082.3** mBRT (**2054**mMSL) RT-MSL : **28.3** m SINCE MOVE : **35**

@06:00 **2,795.0** mBRT **712.7** mbsf DRILLING/CORING Hrs. : **0.00** hrs LAST CASING : **20"** x **703.9** mbsf

SUMMARY OF OPERATION **Trouble shoot RARS valve fault on riser tensioner**

PRESENT OPERATION @06:00 on **16-Jun** : **Trouble shoot RARS valves fault**

mBRT: meter below rotary table

TIME BREAKDOWN (00:00 - 24:00 on **15-Jun**) mbsf: : meter below sea floor

From	To	Hrs	Code	DETAIL of OPERATION
0:00	0:00	24:00	BOPE(N)	Continue to troubleshoot RARS valve fault on riser tensioner.
				Suspected V3 valve internal leak from pilot pressures (rod side pressure / accumulator pressure) into RARS valve closing pressure line.
				No internal leak on close side of RARS valve itself. No leak on C2 poppet valve.
				Maximum closing pressure observed on RARS valve is 5Mpa which is very similar to tensioner rod side and accumulator pressure (5.0Mpa)
				Test all V3 valves in system and offline. Observe leakage all V3 valves included 2spares.
				Meanwhile: General weekly PM tasks on going. Service No.38 valve on CMT manifold.
				Continue with PM tasks on rig floor and pump room.
				Pressure test CMT manifold No.38 valve.

TIME BREAKDOWN (00:00 - 06:00 on 16-Jun) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	6:00	6:00	BOPE(N)	Continue to troubleshooting RARS valve fault on riser tensioner.
				Build isolation plates for V3 valve. -plug ports for pilot pressure (rod/accumulator), tank line and bypass port of "A" and "P"-
				Meanwhile: Load test socket for coreline winch, AFT side. PM taskson rig floor and pump room.

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP

BHA RECORD / CORE BARREL TYPE

BHA No. :

STRING Wt. : @ 2043 mBRT

Wt. of BOP Riser(kN) incl HPS	9480
P/U Wt. (kN) incl HPS	
S/O Wt. (kN) incl HPS	
Wt of RRT+TB(kN)	510
Wt BHA below Jar*(kN)	

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.	WL	Cake	pH	Pf	Cal-	K+	Content Oil	Content W	Content S	LGS	PPG	MBC	n	K	Temp In	Temp Out
KNPP	11:00		1.08	93																			

12%Pre-hy / 6%SW gel (m3)	
Mixed	0
Used SWgel	0
Ready to mix	8

SHAKER SCREEN SIZE

#1	10	84	#4	10	84
#2	10	84	#5	10	84
#3	10	84	#6	10	84

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

		Daily	Total	Eff.			Daily	Total
Process	Concentrated				Generated Vol.	Distilled Water		
Vol.	Solidification					Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP
1	6					
2	6					
3	6					

Mud Gas

	Base (%)	Max. (%)	Depth (m)
Trip Gas			
Conn. Gas			

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	121,700
Kingie-VO (Bulk)	0	0	19,560
NaOH	0	0	1,700
KOH	0	0	2,825
Lime	0	0	950
Soda Ash	0	0	0
Tel-Polymer(H)	0	0	980
Tel-Polymer(L)	0	0	2,540
Tel-Polymer DX	0	0	3,200
XCD-Polymer	0	0	1,000
Xian-Vis	0	0	500
NaCl (Bag)	0	0	3,200
KCL (Bag)	0	0	22,000
Clean Lube (L)	0	0	7,800
Clean Lube	0	0	0
Tel-Clean	0	0	0
Tel-DD	0	0	1,600
Lignite NC	0	0	0
Bi-Carbonate	0	0	0
Telnite GXL	0	0	270
Speeder (P)	0	0	1,360
Speeder (X)	0	0	1,360
EZ Spot	0	0	440
Deformer No.30C	0	0	224
EZ Drill	0	0	0

HELICOPTER INFORMATION

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	9:06	9:12	3	2
2				
3				
4				
5				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Press.	
Kick Tolerance	

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

PERSONNEL @24:00

CDEX	10
MQJ Crew	91
MQJ(Other)	1
MWJ	14
Scientist	14
Sub Con.	
Schlumberger	5
Mud Logging	4
MI-Swaco	2
ROV	6
Telnite	1
Coring	0
Vetco Gray	1
NOV	1
Core IRM	0
Vendors	0
Others	0
Total	150

GEOLOGIC INFORMATION

From	To	Litho logy

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	103	73	221
Potable Water m3	0	5	159
Drill Water m3	0	13	1,567
Fuel m3	0	44.2	5,907.5
Lube, Oil Ltrs	0	0	82,500
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	0
Cement "DEEP CRETE" ton	0	0	12.5
Cement "LWC" ton	0	0	27.5

BOAT INFORMATION

Boat Name	Location	Time Arrived	Time Departed
KAIKO	Chikyu	19:47	
#7KAIKO	Chikyu		
Heisei Maru	Chikyu		

MARINE INFORMATION @24:00

Heave (m)	0.2
Pitch (deg)	0.3
Roll (deg)	0.3
Vessel Heading (deg)	270
Drift (m)	0.6
Riser Tension (Moon)	-
V.D. Load (Moon)	10,683.0
Max Draught (m)	9.20
Thruster (kW)	1,750
No. of transponders	10

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(knots)	CURRENT Dir. (deg)	VISIBILITY (km)
24:00	bc	22.5	22.3	1011.7	7.7	230	7.9	0.9	230	6.2	0.8	159	20

TODAY'S SCHEDULE : **Troubleshoot on RARS valve**

T.Saruhashi

REPORTED BY : Y.Kawano / D.Ikenomoto

APPROVED BY : I. Sawada

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 38

HOLE NAME :	C0009A	**SITE NAME :**	NT2-11B	**Exp. :**	319	**REPORT DATE :**	17/Jun/2009
DEPTH : @24:00	2,795.0 mBRT	712.7 mbsf	PROGRESS :	Water Depth :	2,082.3 mBRT (2054mMSL)	RT-MSL : 28.3 m	SINCE MOVE : 36
@06:00	2,795.0 mBRT	712.7 mbsf		DRILLING/CORING Hrs. :	0.00 hrs	LAST CASING : 20" x 703.9 mbsf	

SUMMARY OF OPERATION: **Trouble shoot RARS valve fault on riser tensioner**

PRESENT OPERATION @06:00 on 17-Jun : **Continue to troubleshoot RARS valve fault on riser tensioner**

mBRT: meter below rotary table
mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on 16-Jun)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	0:00	24:00	BOPE(N)	Continue to troubleshooting RARS valve fault on riser tensioner.
				Build isolation plates for V3 valve. -plug ports for pilot pressure (rod/accumulator), tank line and bypass port of "A" and "P"
				Find leakage with isolation plate teflon seal.
				Blank off 3ports(rod side, accumulator, tank line ports) with set screws and Dev-com seal, allow to dry on V3 valve.
				Test V3 offline 26Mpa then in system.
				Function test recoil valve (open / close / recoil function) 10 times with tested V3 on No.4,5.
				Check system leakage with applying 28Mpa A & P port on No.4,5 tensioner.
				Check system leakage under recoil valve open position No.4,5.OK.
				meanwhile: Test surface equipment with cement manifold. General weekly PM's and houskeeping

TIME BREAKDOWN (00:00 - 06:00 on 17-Jun) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	6:00	6:00	BOPE(N)	Continue to troubleshooting RARS valve fault on riser tensioner.
				4 tensioners(No.3,4,5,6) online work good @6:00.
				2 x V3 fail. Re-plug and allow to dry. (@7:30 test again)
				Check system leakage with applying 28Mpa A & P port on No.3,6 tensioner.
				Check system leakage under recoil valve open position No.3,6.OK.
				meanwhile: Continue with PM's and Housekeeping.

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP

BHA RECORD / CORE BARREL TYPE

BHA No. :

STRING Wt. : @ 2043 mBRT

Wt. of BOP Riser(kN) incl HPS	9480
P/U Wt. (kN) incl HPS	
S/O Wt. (kN) incl HPS	
Wt of RRT+TB(kN)	510
Wt BHA below Jar(kN)	

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.	WL	Cake	pH	Pf	Cal-	K+	Content Oil	Content W	Content S	LGS	PPG	MBC	n	K	Temp In	Temp Out
KNPP	11:00		1.08	93																			

12%Pre-hy / 6%SW gel (m3)	
Mixed	0
Used SWgel	0
Ready to mix	8

SHAKER SCREEN SIZE

#1	10	84	#4	10	84
#2	10	84	#5	10	84
#3	10	84	#6	10	84

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

		Daily	Total	Eff.			Daily	Total
Process	Concentrated				Generated Vol.	Distilled Water		
Vol.	Solidification					Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP
1	6					
2	6					
3	6					

Mud Gas

	Base (%)	Max. (%)	Depth (m)
Trip Gas			
Conn. Gas			

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	100,000	0	221,700
Kingie-VO (Bulk)	0	0	19,560
NaOH	0	0	1,700
KOH	0	0	2,825
Lime	0	0	950
Soda Ash	1,600	0	1,600
Tel-Polymer(H)	0	0	980
Tel-Polymer(L)	0	0	2,540
Tel-Polymer DX	0	0	3,200
XCD-Polymer	0	0	1,000
Xian-Vis	700	0	1,200
NaCl (Bag)	20,000	0	52,000
KCL (Bag)	0	0	22,000
Clean Lube (L)	0	0	7,800
Clean Lube	7,200	0	7,200
Tel-Clean	0	0	0
Tel-DD	0	0	1,600
Lignite NC	3,600	0	3,600
Bi-Carbonate	0	0	0
Telnite GXL	0	0	270
Speeder (P)	340	0	1,700
Speeder (X)	340	0	1,700
EZ Spot	110	0	550
Deformer No.30C	0	0	224
EZ Drill	0	0	0

HELICOPTER INFORMATION

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	9:04	9:11	6	6
2				
3				
4				
5				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Press.	
Kick Tolerance	

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

PERSONNEL @24:00

CDEX	10
MQJ Crew	91
MQJ(Other)	1
MWJ	14
Scientist	14
Sub Con.	
Schlumberger	5
Mud Logging	4
MI-Swaco	2
ROV	6
Telnite	1
Coring	0
Vetco Gray	1
NOV	1
Core IRM	0
Vendors	0
Others	0
Total	150

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

GEOLOGIC INFORMATION

From	To	Litho logy

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	102	70	253
Potable Water m3	0	7	152
Drill Water m3	0	4	1,563
Fuel m3	0	43.1	5,864.4
Lube, Oil Ltrs	0	0	82,500
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	0
Cement "DEEP CRETE" ton	0	0	12.5
Cement "LWC" ton	0	0	27.5

BOAT INFORMATION

Boat Name	Location	Time Arrived	Time Departed
KAIKO	Shingu		3:10
#7KAIKO	Chikyu		
Heisei Maru	Chikyu		

MARINE INFORMATION @24:00

Heave (m)	0.3
Pitch (deg)	0.5
Roll (deg)	0.5
Vessel Heading (deg)	300
Drift (m)	0.1
Riser Tension (Moon)	-
V.D. Load (Moon)	10,747.7
Max Draught (m)	9.20
Thruster (kW)	1,135
No. of transponders	10

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(knots)	CURRENT Dir. (deg)	VISIBILITY (km)
24:00	bc	21	21.7	1013.7	3.7	355	4.1	1.1	350	6.1	0.9	128	20

TODAY'S SCHEDULE : **Troubleshoot on RARS valve / Land BOP on well head**

T.Saruhashi
REPORTED BY : Y.Kawano / D.Ikenomoto
APPROVED BY : I. Sawada

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 39

HOLE NAME :	C0009A	**SITE NAME :**	NT2-11B	**Exp. :**	319	**REPORT DATE :**	18/Jun/2009
DEPTH : @24:00	2,795.0 mBRT	712.7 mbsf	PROGRESS :	Water Depth :	2,082.3 mBRT (2054mMSL)	RT-MSL : 28.3 m	SINCE MOVE : 37
@06:00	2,795.0 mBRT	712.7 mbsf		DRILLING/CORING Hrs. :	0.00 hrs	LAST CASING : 20" x 703.9 mbsf	

SUMMARY OF OPERATION: **Troubleshoot RARS valve fault on riser tensioner / Land BOP / Casing pressure test**

PRESENT OPERATION @06:00 on 18-Jun : **Rig down riser handing equipments**

mBRT: meter below rotary table
mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on 17-Jun)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	10:15	10:15	BOPE(N)	Continue to troubleshooting RARS valve fault on riser tensioner.
				6x V3 test offline and in system work.
				Check system leakage with applying 28Mpa A & P port.
				Check system leakage under recoil valve open position. OK.
10:15	12:00	1:45	BOPE(N)	Pick up by DW total weight of riser / BOP(9300kN). Pressure up tensioners to 12.5Mpa and hold pressure to test V3 in system.
				Position vessel 10m from well location.
12:00	13:30	1:30	BOPE(N)	Monitor pressures on RARS valves- OK.
				CDEX office permit to resume landing BOP by telephone meeting.
13:30	14:15	0:45	BOPE(N)	BOP dummy run
				Shift Riser weight from Hook to Riser Tensioner. Check Riser weight with Riser Tensioner weight.
				Tensioner reading: 5680kN (5.2-5.4Mpa), Hook weight: 3040kN, Total: 8720kN
				Lower Landing Joint with CMC to landing position and pick up 3m.
				Check gasket ring of WH connector and bullseye on BOP (3/4deg - 120deg) by ROV
14:15	14:30	0:15	BOP	Move vessel to well location. Vessel heading is 180deg. (south)
14:30	16:00	1:30	BOP	BOP Landing
				Lower Landing Joint with CMC to land BOP on Wellhead Housing. Lock BOP Connector.
				Slump Test with 1900kN of slack off weight on Wellhead.
				Pick up test with 450kN on Wellhead connector.
				Adjust and set Riser Tensioner load to 7460kN (6.5Mpa) -450kN overpull @LMRP connector. Hook weight reduce to be free.
				Check bullseye : BOP 0.5deg-73deg, LMRP: 0.5deg-70deg, LFJ: 3/4deg -68deg
				Meanwhile inject 90gallon of glycol into well head connector by ROV.
16:00	16:45	0:45	BOP	20"Casing Pressure Test
				350psi for 5min, 1600psi for 10min. Pumped volume: 2.4bbl to 350psi, 7.1bbl to 1600psi (total)
16:45	20:30	3:45	BOP	Open gator lock and stroke out Telescopic Joint.
				Lay down Landing Joint.
20:30	23:00	2:30	BOP	Install diverter and Upper Flex joint with handing/testing tool.
23:00	0:00	1:00	BOP	Rig up to pressure test diverter. Energize flow line seals & slip joint packer. Fill riser with seawater by trip tank.

TIME BREAKDOWN (00:00 - 06:00 on 18-Jun) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	1:15	1:15	BOP	Continue to rig up pressure test diverter. Energize slip joint packer, fill up riser and diverter.
1:15	4:00	2:45	BOP	Line up system and energize test packer on test tool, attempt to pressure test.
				Unable to pressure up, troubleshoot and inspect system for leaks.
				Decission make to rig up and pump with CMT unit to obtain more volume.
4:00	5:00	1:00	BOP	Line test hose up to CMT unit and flush same, test Diverter by cementing pump. 250psi for 5min OK.
5:00	6:00	1:00	BOP	Rig down divertor handling/testing tool and riser handling equipments on going.

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP

BHA RECORD / CORE BARREL TYPE

BHA No. :

STRING Wt. : @ mBRT

Wt. of BOP Riser(kN) w/Hook	
P/U Wt. (kN) incl HPS	
S/O Wt. (kN) incl HPS	
Wt of RRT+TB(kN)	
Wt BHA below Jar(kN)	

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.	WL	Cake	pH	Pf	Cal-	K+	Content Oil	Content W	Content S	LGS	PPG	MBC	n	K	Temp In	Temp Out
KNPP	11:00		1.08	93																			

12%Pre-hy / 6%SW gel (m3)	
Mixed	0
Used SWgel	0
Ready to mix	8

SHAKER SCREEN SIZE

#1	10	84	#4	10	84
#2	10	84	#5	10	84
#3	10	84	#6	10	84

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

		Daily	Total	Eff.			Daily	Total
Process	Concentrated				Generated Vol.	Distilled Water		
Vol.	Solidification					Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP
1	6					
2	6					
3	6					

Mud Gas

	Base (%)	Max. (%)	Depth (m)
Trip Gas			
Conn. Gas			

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	221,700
Kingie-VO (Bulk)	0	0	19,560
NaOH	0	0	1,700
KOH	0	0	2,825
Lime	0	0	950
Soda Ash	0	0	1,600
Tel-Polymer(H)	0	0	980
Tel-Polymer(L)	0	0	2,540
Tel-Polymer DX	0	0	3,200
XCD-Polymer	0	0	1,000
Xian-Vis	0	0	1,200
NaCl (Bag)	0	0	52,000
KCL (Bag)	0	0	22,000
Clean Lube (L)	0	0	7,800
Clean Lube	0	0	7,200
Tel-Clean	0	0	0
Tel-DD	0	0	1,600
Lignite NC	0	0	3,600
Bi-Carbonate	0	0	0
Telnite GXL	0	0	270
Speeder (P)	0	0	1,700
Speeder (X)	0	0	1,700
EZ Spot	0	0	550
Deformer No.30C	0	0	224
EZ Drill	0	0	0

HELICOPTER INFORMATION

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	9:04	9:13	8	8
2	11:07	11:15	8	8
3	15:54	16:00	2	3
4				
5				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Press.	
Kick Tolerance	

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

PERSONNEL @24:00

CDEX	10
MQJ Crew	89
MQJ(Other)	1
MWJ	14
Scientist	14
Sub Con.	
Schlumberger	5
Mud Logging	4
MI-Swaco	2
ROV	6
Telnite	1
Coring	0
Vetco Gray	1
NOV	1
Core IRM	0
Vendors	0
Others	1
Total	149

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

GEOLOGIC INFORMATION

From	To	Litho logy

BOAT INFORMATION

Boat Name	Location	Time Arrived	Time Departed
KAIKO	Chikyu		19:30
#7KAIKO	Shingu		18:50
Heisei Maru	Chikyu		

MARINE INFORMATION @24:00

Heave (m)	0.4
Pitch (deg)	0.3
Roll (deg)	0.3
Vessel Heading (deg)	180
Drift (m)	0.2
Riser Tension (kN)	
V.D. Load (Moon)	11,162.0
Max Draught (m)	9.20
Thruster (kW)	1,102
No. of transponders	10

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	105	56	302
Potable Water m3	0	20	132
Drill Water m3	0	4	1,563
Fuel m3	0	43.6	5,820.8
Lube, Oil Ltrs	0	0	82,500
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	0
Cement "DEEP CRETE" ton	0	0	12.5
Cement "LWC" ton	0	0	27.5

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(knots)	CURRENT Dir. (deg)	VISIBILITY (km)
24:00	f	22.5	21.2	1015.7	1.4	198	1.7	0.7	60	8	0.5	216	10

TODAY'S SCHEDULE : **Rig down riser handling tool / Run BOP test**

T.Saruhashi
REPORTED BY : Y.Kawano / D.Ikenomoto
APPROVED BY : I. Sawada

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 40

HOLE NAME :	C0009A	**SITE NAME :**	NT2-11B	**Exp. :**	319	**REPORT DATE :**	19/Jun/2009

DEPTH : @24:00 **2,795.0** mBRT **712.7** mbsf PROGRESS : Water Depth : **2,082.3** mBRT (**2054**mMSL) RT-MSL : **28.3** m SINCE MOVE : **38**

@06:00 **2,795.0** mBRT **712.7** mbsf DRILLING/CORING Hrs. : **0.00** hrs LAST CASING : **20"** x **703.9** mbsf

SUMMARY OF OPERATION **Diverter pressure test / Vessel heading change test**

PRESENT OPERATION @06:00 on **19-Jun** : **Pick up diverter and Upper flex joint**

mBRT: meter below rotary table

mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **18-Jun**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	1:15	1:15	BOP	Continue to rig up pressure test diverter. Energize slip joint packer, fill up riser and diverter.
1:15	4:00	2:45	BOP	Line up system and energize test packer on test tool, attempt to pressure test.
				Unable to pressure up, troubleshoot and inspect system for leaks.
				Decision make to rig up and pump with CMT unit to obtain more volume.
4:00	5:00	1:00	BOP	Line test hose up to CMT unit and flush same, test Diverter by cementing pump. 250psi for 5min OK.
5:00	7:15	2:15	BOP	Rig down diverter handling/testing tool and riser handling equipments.
7:15	17:45	10:30	BOP	Conduct vessel heading change test (Rotation test on Load Ring bearing of Telescopic Joint)
				Shift vessel heading from 180deg to 150deg and from 180deg to 250deg. to attempt rotating . Unsuccessful.
				Reduce tensioner tension from 7460kN to 6000 kN by 500kN performing same test.
				Observe Load Ring rotating with 6000kN @ 15:00
				Shift Vessel heading from 180deg to 90deg and from 180deg to 270deg. (Observe Load ring rotated from 135deg to 225deg)
				Increase Riser Tension back to 7460kN (original tension)
17:45	19:30	1:45	BOP	Continue with vessel heading change test from 180deg to 60deg.
				@ship heading 80-70deg, ovserve Load Ring slight rotation and stop. Shift vessel heading back to 180deg but load ring no rotation .
19:30	21:15	1:45	BOP	Reduce riser tension to 6000kN and shift vessel heading from 180deg to 210deg to free up Load Ring. No rotation.
21:15	23:00	1:45	BOP	Move vessel position for 10m to south w/ 6500kN riser tension. Meanwhile shift vessel heading from 180deg to 210deg. No rotation.
				Reduce riser tension to 6000kN and change vessel heading from 180deg to 210 deg three times. No rotation.
23:00	0:00	1:00	BOP	Move vessel back to original position w/6500kN.
				Shift heading from 180deg to 50deg on going.

TIME BREAKDOWN (00:00 - 06:00 on 19-Jun) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	2:30	2:30	BOP	Continue to shift vessel heading from 180deg to 50deg then from 50deg to 210deg w/6000kN. No rotation on Load Ring.
2:30	3:00	0:30	BOP	Shift vessel heading from 210deg to 120deg (riser heading back to original position).
				Increase riser tension to 7460kN.
3:00	5:00	2:00	BOP	Rig up Riser handling equipment and pick up diverter handling tool.
5:00	6:00	1:00	BOP	Install diverter handling tool into diverter and pick up diverter and upper flex joint to lay out them.

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP

BHA RECORD / CORE BARREL TYPE

BHA No. :

STRING Wt. : @ mBRT

Wt. of BOP Riser(kN) w/Hook	
P/U Wt. (kN) incl HPS	
S/O Wt. (kN) incl HPS	
Wt of RRT+TB(kN)	
Wt BHA below Jar(kN)	

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cal-	K+	Content Oil	Content W	Content S	LGS	PPG	MBC	n	K	Temp In	Temp Out
KNPP	15:00		1.08	93	42	44	8	11			10.4										0.57	2.40	27	

12%Pre-hy / 6%SW gel (m3)	
Mixed	0
Used SWgel	0
Ready to mix	8

SHAKER SCREEN SIZE

#1	10	84	#4	10	84
#2	10	84	#5	10	84
#3	10	84	#6	10	84

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

		Daily	Total	Eff.			Daily	Total
Process	Concentrated				Generated Vol.	Distilled Water		
Vol.	Solidification					Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP
1	6					
2	6					
3	6					

Mud Gas

	Base (%)	Max. (%)	Depth (m)
Trip Gas			
Conn. Gas			

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	221,700
Kingie-VO (Bulk)	0	0	19,560
NaOH	0	0	1,700
KOH	0	0	2,825
Lime	0	0	950
Soda Ash	0	0	1,600
Tel-Polymer(H)	0	0	980
Tel-Polymer(L)	0	0	2,540
Tel-Polymer DX	0	0	3,200
XCD-Polymer	0	0	1,000
Xian-Vis	0	0	1,200
NaCl (Bag)	0	0	52,000
KCL (Bag)	0	0	22,000
Clean Lube (L)	0	0	7,800
Clean Lube	0	0	7,200
Tel-Clean	0	0	0
Tel-DD	0	0	1,600
Lignite NC	0	0	3,600
Bi-Carbonate	0	0	0
Telnite GXL	0	0	270
Speeder (P)	0	0	1,700
Speeder (X)	0	0	1,700
EZ Spot	0	0	550
Deformer No.30C	0	0	224
EZ Drill	0	0	0

HELICOPTER INFORMATION

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1				
2				
3				
4				
5				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Press.	
Kick Tolerance	

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

PERSONNEL @24:00

CDEX	10
MQJ Crew	89
MQJ(Other)	1
MWJ	14
Scientist	14
Sub Con.	
Schlumberger	5
Mud Logging	4
MI-Swaco	2
ROV	6
Telnite	1
Coring	0
Vetco Gray	1
NOV	1
Core IRM	0
Vendors	0
Others	1
Total	149

GEOLOGIC INFORMATION

From	To	Litho logy

MARINE INFORMATION @24:00

Heave (m)	0.4
Pitch (deg)	0.5
Roll (deg)	0.3
Vessel Heading (deg)	135
Drift (m)	0.4
Riser Tension (kN)	6056
V.D. Load (Moon)	11,013.1
Max Draught (m)	9.10
Thruster (kW)	1,386
No. of transponders	10

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	51	57	296
Potable Water m3	0	10	122
Drill Water m3	51	0	1,614
Fuel m3	0	44	5,776.8
Lube, Oil Ltrs	0	1400	81,100
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	0
Cement "DEEP CRETE" ton	0	0	12.5
Cement "LWC" ton	0	0	27.5

BOAT INFORMATION

Boat Name	Location	Time Arrived	Time Departed
KAIKO	Chikyu		
#7KAIKO	Chikyu	14:45	
Heisei Maru	Chikyu		

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(knots)	CURRENT Dir. (deg)	VISIBILITY (km)
24:00	bc	21.5	22.6	1014.5	3.3	71	4.1	1	180	6.3	0.9	135	20

TODAY'S SCHEDULE : **Troubleshooting load ring on telescopic joint.**

REPORTED BY : T.Saruhashi / Y.Kawano / D.Ikenomoto

APPROVED BY : I. Sawada

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 41

HOLE NAME : C0009A **SITE NAME :** NT2-11B **Exp. :** 319 **REPORT DATE :** 20/Jun/2009

DEPTH : @24:00 **2,795.0** mBRT **712.7** mbsf PROGRESS : Water Depth : **2,082.3** mBRT (**2054**mMSL) RT-MSL : **28.3** m SINCE MOVE : **39**

@06:00 **2,795.0** mBRT **712.7** mbsf DRILLING/CORING Hrs. : **0.00** hrs LAST CASING : **20"** x **703.9** mbsf

SUMMARY OF OPERATION **Vessel heading change test / Disconnect BOP / Inspect load ring on telescopic joint**

PRESENT OPERATION @06:00 on **20-Jun** : **Inspect load ring on telescopic joint**

mBRT: meter below rotary table

mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **19-Jun**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	2:30	2:30	BOP(N)	Continue to shift vessel heading from 180deg to 50deg then from 50deg to 210deg w/6000kN tensioner weight, No rotation on Load Ring.
2:30	2:45	0:15	BOP(N)	Change vessel heading from 210deg to 120deg (riser heading back to original position). No rotation on load ring
				Increase riser tension to 7460kN.
2:45	5:00	2:15	BOP(N)	Rig up Riser handling equipment and pick up diverter handling tool.
5:00	7:00	2:00	BOP(N)	Install diverter handling tool into diverter. Pick up and lay out diverter / upper flex joint.
7:00	10:00	3:00	BOP(N)	Pick up landing joint and make sure free rotation on riser running tool Make up Landing joint on Telescopic Joint.
10:00	10:30	0:30	BOP(N)	Lower telescopic joint and close gator lock. Change vessel heading from 120deg to 140deg.
10:30	11:00	0:30	BOP(N)	Pick up Landing joint with hook weight 4000kN by CMC and decrease riser tensioner weight from 7000kN to 3000kN at same time by 1000kN.
11:00	11:15	0:15	BOP(N)	Change vessel heading from 140deg to 210deg.
11:15	12:45	1:30	BOP(N)	Keep the vessel heading at 210 deg and attempt to rotate Load Ring with rotating Riser Running Tool, unsuccessfully.
12:45	13:30	0:45	BOP(N)	Change vessel heading 200deg to 90deg. Attempt torque using RRT,with no success.
13:30	14:00	0:30	Other	Hold telephone conference with CDEX and MQJ office and decide to disconnect BOP.
14:00	15:00	1:00	BOP(N)	Change vessel heading to 140deg. Hold TBRA for disconnecting BOP.
15:00	15:15	0:15	BOP(N)	Set up riser weight distribution to unlatch BOP (tensioner 5280kN, Hook Load :3000kN, Total : 8280kN) Confirm rig position over location.
				Disconnect BOP from wellhead connector while observing by ROV, Pick up BOP 6m above Wellhead.(11m above seabed)
15:15	15:45	0:30	BOP(N)	Move vessel 50m east from well.
15:45	16:45	1:00	BOP(N)	Hold TBRA. Split tensioner ring and rig down it.
16:45	17:45	1:00	BOP(N)	Pick up and L/ out landing joint. Remove Gator Lock hose at moon pool. Pick up telescopic join to inspect and break off load ring on drill floor.
17:45	0:00	6:15	BOP(N)	Clean load ring for inspection. Meanwhile commence load ring bearing inspection.
				Attempt to break off threaded support ring.

TIME BREAKDOWN (00:00 - 06:00 on 20-Jun) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	2:45	2:45	BOP(N)	Continue to break off between threaded supporting ring and telescopic joint body. Unsuccessfully.
2:45	3:30	0:45	BOP(N)	Manage to get bearing to turn a 1/4 of a turn with Cathead, continue attempting to break threaded connection.
3:30	6:00	2:30	BOP(N)	Continue to break off between thread supporting ring and telescopic joint body. Dress manual tong to 26" as back up on outer barrel on T/J.

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP

BHA RECORD / CORE BARREL TYPE

BHA No. :

STRING Wt. : @ mBRT

Wt. of BOP Riser(kN) w/Hook	
P/U Wt. (kN) incl HPS	
S/O Wt. (kN) incl HPS	
Wt of RRT+TB(kN)	
Wt BHA below Jar(kN)	

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.	WL	Cake	pH	Pf	Cal-	K+	Content Oil	Content W	Content S	LGS	PPG	MBC	n	K	Temp In	Temp Out
KNPP	14:30		1.08	95						10.4												27	

12%Pre-hy / 6%SW gel (m3)	
Mixed	0
Used SWgel	0
Ready to mix	8

SHAKER SCREEN SIZE

#1	10	84	#4	10	84
#2	10	84	#5	10	84
#3	10	84	#6	10	84

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

		Daily	Total	Eff.			Daily	Total
Process	Concentrated				Generated Vol.	Distilled Water		
Vol.	Solidification					Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP
1	6					
2	6					
3	6					

Mud Gas

	Base (%)	Max. (%)	Depth (m)
Trip Gas			
Conn. Gas			

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	221,700
Kingie-VO (Bulk)	0	0	19,560
NaOH	0	0	1,700
KOH	0	0	2,825
Lime	0	0	950
Soda Ash	0	0	1,600
Tel-Polymer(H)	0	0	980
Tel-Polymer(L)	0	0	2,540
Tel-Polymer DX	0	0	3,200
XCD-Polymer	0	0	1,000
Xian-Vis	0	0	1,200
NaCl (Bag)	0	0	52,000
KCL (Bag)	0	0	22,000
Clean Lube (L)	0	0	7,800
Clean Lube	0	0	7,200
Tel-Clean	0	0	0
Tel-DD	0	0	1,600
Lignite NC	0	0	3,600
Bi-Carbonate	0	0	0
Telnite GXL	0	0	270
Speeder (P)	0	0	1,700
Speeder (X)	0	0	1,700
EZ Spot	0	0	550
Deformer No.30C	0	0	224
EZ Drill	0	0	0

HELICOPTER INFORMATION

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	9:11	9:14	4	3
2				
3				
4				
5				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Press.	
Kick Tolerance	

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

PERSONNEL @24:00

CDEX	11
MQJ Crew	89
MQJ(Other)	1
MWJ	14
Scientist	14
Sub Con.	
Schlumberger	5
Mud Logging	4
MI-Swaco	2
ROV	6
Telnite	1
Coring	0
Vetco Gray	1
NOV	1
Core IRM	0
Vendors	0
Others	1
Total	150

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

GEOLOGIC INFORMATION

From	To	Litho logy

BOAT INFORMATION

Boat Name	Location	Time Arrived	Time Departed
KAIKO	Chikyu	14:28	
#7KAIKO	Chikyu		
Heisei Maru	Chikyu		

MARINE INFORMATION @24:00

Heave (m)	-
Pitch (deg)	0.4
Roll (deg)	0.3
Vessel Heading (deg)	140
Drift (m)	0.3
Riser Tension (kN)	-
V.D. Load (Moon)	11,622.7
Max Draught (m)	9.20
Thruster (kW)	908
No. of transponders	10

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	0	65	231
Potable Water m3	0	9	113
Drill Water m3	103	8	1,709
Fuel m3	0	42.8	57,340.0
Lube, Oil Ltrs	0	400	80,700
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	0
Cement "DEEP CRETE" ton	0	0	12.5
Cement "LWC" ton	0	0	27.5

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(knots)	CURRENT Dir. (deg)	VISIBILITY (km)
24:00	bc	21.5	23.4	1012.7	7.8	69	8.3	1.3	90	6.8	0.8	115	20

TODAY'S SCHEDULE : **Inspect load ring on telescopic joint.**

REPORTED BY : T.Saruhashi / Y.Kawano / D.Ikenomoto

APPROVED BY : I. Sawada

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 43

HOLE NAME :	C0009A	**SITE NAME :**	NT2-11B	**Exp. :**	319	**REPORT DATE :**	22/Jun/2009

DEPTH : @24:00 **2,795.0** mBRT **712.7** mbsf PROGRESS : Water Depth : **2,082.3** mBRT (**2054**mMSL) RT-MSL : **28.3** m SINCE MOVE : **41**

@06:00 **2,795.0** mBRT **712.7** mbsf DRILLING/CORING Hrs. : **0.00** hrs LAST CASING : **20"** x **703.9** mbsf

SUMMARY OF OPERATION **Inspect and service load ring / Land BOP / Change heading test**

PRESENT OPERATION @06:00 on **22-Jun** : **Auxiliary line pressure test**

mBRT: meter below rotary table

mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **21-Jun**)

From	To	Hrs	Code	DETAIL of OPERATION		
0:00	11:15	11:15	BOP(N)	Continue to assemble Load Ring.		
				Clean up bearing and threaded support ring.	0:00	recover ROV
				Service bearing.	8:35	Launch ROV with 18-3/4" WH gasket ring.
				Assemble load ring with bearing to threaded support ring.	10:00	Clean wellhead and set VX gasket ring on it.
				Install tensioner ring adapter support.	14:45	On recovery find umbilical strand broken at 227m
11:15	12:00	0:45	BOP(N)	Pick up and make up telescopic joint.	16:15	Launch ROV after repair umbilical
				Unreel Mux cable. Rig up tensioner ring.		
12:00	12:30	0:30	BOP(N)	Crew change and hold TBRA for riser handling.		
12:30	15:15	2:45	BOP(N)	Install Mux cable clamps on the Telescopic Joint.		
				Pick up and make up Landing Joint. Engage Tensioner Ring. Lower Landing Joint and land load ring on tensioner ring.		
15:15	19:30	4:15	BOP(N)	Shift riser weight from Hook to Riser Tensioner. Tensioner Reading: 4800kN, Hook Weight:4680kN, Total:9780kN		
				Check bearing gap. (0.1-0.2mm)		
				Install Load Ring cover plates. Install storm loops on the saddle of Tensioner Ring		
				Install Telescopic Joint packer hose and water hose.		
19:30	20:15	0:45	BOP(N)	Lower BOP 2m above Wellhead.		
				Set Hook Weight: 3000kN (CMC on beam with 2500kN), Tensioner Reading: 6200kN		
				Move vessel 10m off well location.		
20:15	20:45	0:30	BOP(N)	Adjust vessel position over well center and vessel heading 180deg.		
20:45	21:00	0:15	BOP(N)	ROV stab Hot Stab and pressurize 2000psi. Unable to confirm ring retainer indicators retracted due to poor visibility of indicator.		
21:00	21:30	0:30	BOP(N)	Land out BOP on Wellhead and set down 500kN. Lock BOP connector. Confirm lock indicator with ROV.		
				Pick up test on Wellhead connector with 445kN		
				Check bulls eye on LFJ : 3/4deg.-080deg., Check BOP heading : 180deg.		
				Bleed off CMC to support 800kN. Unlock Gator Lock and stroke out inner barrel 4m.		
21:30	0:00	2:30	BOP(N)	Change heading test		
				Change vessel heading from 180deg to 60deg, back to 180deg with Riser tensioner weight 6400kN.		
				Change vessel heading from 180deg to 300deg, back to 180deg with Rister tensioner weight 6400kN.		

TIME BREAKDOWN (00:00 - 06:00 on 22-Jun) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	4:00	4:00	BOP(N)	Continue to change heading test.
				Increase tensioner weight from 6400kN to 7600kN. Change vessel heading from 180deg to 60deg.
				Change vessel heading from 60deg to 300deg. (Confirm load ring rotation.)
4:00	6:00	2:00	BOP(N)	Pressure test.
				Well head connector 300psi 5min and 1600psi 10min. OK
				Kill line and Choke line 300psi 5min and 5000psi 10min. OK.
				Booster line 300psi 5min and 4000psi 10min.OK.

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP

BHA RECORD / CORE BARREL TYPE

BHA No. :

STRING Wt. : @ mBRT

Wt. of BOP Riser(kN) w/Hook	
P/U Wt. (kN) incl HPS	
S/O Wt. (kN) incl HPS	
Wt of RRT+TB(kN)	
Wt BHA below Jar(kN)	

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.	WL	Cake	pH	Pf	Cal-	K+	Content Oil	Content W	Content S	LGS	PPG	MBC	n	K	Temp In	Temp Out
KNPP	13:50		1.08	91						10.4												27	

12%Pre-hy / 6%SW gel (m3)	
Mixed	0
Used SWgel	0
Ready to mix	8

SHAKER SCREEN SIZE

#1	10	84	#4	10	84
#2	10	84	#5	10	84
#3	10	84	#6	10	84

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

		Daily	Total	Eff.			Daily	Total
Process	Concentrated				Generated Vol.	Distilled Water		
Vol.	Solidification					Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP
1	6					
2	6					
3	6					

Mud Gas

	Base (%)	Max. (%)	Depth (m)
Trip Gas			
Conn. Gas			

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	221,700
Kingie-VO (Bulk)	0	0	19,560
NaOH	0	0	1,700
KOH	0	0	2,825
Lime	0	0	950
Soda Ash	0	0	1,600
Tel-Polymer(H)	0	0	980
Tel-Polymer(L)	0	0	2,540
Tel-Polymer DX	0	0	3,200
XCD-Polymer	0	0	1,000
Xian-Vis	0	0	1,200
NaCl (Bag)	0	0	52,000
KCL (Bag)	0	0	22,000
Clean Lube (L)	0	0	7,800
Clean Lube	0	0	7,200
Tel-Clean	0	0	0
Tel-DD	0	0	1,600
Lignite NC	0	0	3,600
Bi-Carbonate	0	0	0
Telnite GXL	0	0	270
Speeder (P)	0	0	1,700
Speeder (X)	0	0	1,700
EZ Spot	0	0	550
Deformer No.30C	0	0	224
EZ Drill	0	0	0

HELICOPTER INFORMATION

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1				
2				
3				
4				
5				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Press.	
Kick Tolerance	

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

PERSONNEL @24:00

CDEX	11
MQJ Crew	89
MQJ(Other)	1
MWJ	14
Scientist	14
Sub Con.	
Schlumberger	5
Mud Logging	4
MI-Swaco	1
ROV	6
Telnite	1
Coring	0
Vetco Gray	1
NOV	1
Core IRM	0
Vendors	0
Others	2
Total	150

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

Conduct abandon drill

GEOLOGIC INFORMATION

From	To	Litho logy

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	98	64	223
Potable Water m3	101	98	101
Drill Water m3	0	0	1,783
Fuel m3	0	44.3	5,645.5
Lube, Oil Ltrs	0	0	80,700
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	0
Cement "DEEP CRETE" ton	0	0	12.5
Cement "LWC" ton	0	0	27.5

BOAT INFORMATION

Boat Name	Location	Time Arrived	Time Departed
KAIKO	Chikyu		
#7KAIKO	Chikyu		
Heisei Maru	Shingu		

MARINE INFORMATION @24:00

Heave (m)	0.7
Pitch (deg)	0.6
Roll (deg)	0.3
Vessel Heading (deg)	260
Drift (m)	0.2
Riser Tension (kN)	7640
V.D. Load (Moon)	11,053.6
Max Draught (m)	9.13
Thruster (kW)	915
No. of transponders	10

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(knots)	CURRENT Dir. (deg)	VISIBILITY (km)
24:00	bc	23.5	22.1	1005.6	4.0	218	4.4	1.2	210	8	0.8	245	20

TODAY'S SCHEDULE : **Set diverter and diverter pressure test**

REPORTED BY : T.Saruhashi / Y.Kawano / D.Ikenomoto

APPROVED BY : I. Sawada

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 44

HOLE NAME :	C0009A	**SITE NAME :**	NT2-11B	**Exp. :**	319	**REPORT DATE :**	23/Jun/2009

DEPTH : @24:00 **2,795.0** mBRT **712.7** mbsf PROGRESS : Water Depth : **2,082.3** mBRT (**2054**mMSL) RT-MSL : **28.3** m SINCE MOVE : **42**

@06:00 **2,795.0** mBRT **712.7** mbsf DRILLING/CORING Hrs. : **0.00** hrs LAST CASING : **20"** x **703.9** mbsf

SUMMARY OF OPERATION **Heading change test, Pressure test on Wellhead connector, Rig down Riser running equipments**

PRESENT OPERATION @06:00 on **23-Jun** : **RIH BOP isolation test tool and drill pipe**

mBRT: meter below rotary table

mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **22-Jun**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	4:00	4:00	BOPE(N)	Continue to change heading test.
				Increase tensioner weight from 6400kN to 7600kN. Change vessel heading from 180deg to 60deg.
				Change vessel heading from 60deg to 300deg. (Confirm load ring rotation.)
4:00	6:00	2:00	BOPE(N)	Pressure test.
				Well head connector 300psi 5min and 1600psi 10min. OK (Pumped Volume: 6.3bbl)
				Kill line and Choke line 300psi 5min and 5000psi 10min. OK.
				Booster line 300psi 5min and 4000psi 10min.OK.
6:00	7:00	1:00	BOPE(N)	Lay down Landing Joint.
7:00	10:00	3:00	BOPE(N)	Pick up and install Diverter.
10:00	10:30	0:30	BOPE(N)	Lay out Diverter running tool.
10:30	12:00	1:30	BOPE(N)	Rig down Riser Running Equipments. Remove Spider and Gimbals. Install Roughneck rail.
12:00	13:15	1:15	BOPE(N)	Rig down Riser Guide Head from Hydraracker No.1. Roller fail to open. Troubleshoot same. Suspend rig down.
13:15	14:15	1:00	BOPE(N)	Rig down and lay out Riser running tool.
14:15	16:30	2:15	BOPE	Put HPS back online. Install elevator and change insert . Test function, OK.
16:30	20:30	4:00	Other	NOV engineer troubleshoot Hydraracker #1 malfunction.
20 30	22:00	1:30	BOPE	Rig down and lay out Riser Guide Head from HR#1. Install electric access cover on HR#1 and move to safe area.
22:00	22:30	0:30	BOPE	Run isolation test ool BHA. Observe hydraulic oil leak from HR#2 upper trolley.
22:30	0:00	1:30	Other	Troubleshoot HR#2. Repair burst hydraulic hose.

TIME BREAKDOWN (00:00 - 06:00 on 23-Jun) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	1:00	1:00	Other	Continue to troubleshoot HR#2.
1:00	1:30	0:30	Other	Function test HR #2 and Hydraulic elevator.
1:30	6:00	4:30	BOPE	RIH BOP isolation test tool & 5-1/2"Drill pipe for BOP pressure test to 1150mBRT.

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP

BHA RECORD / CORE BARREL TYPE

BHA No. : BOP isoration test tool + 5-1/2" 6m pup joint drill pipe + 5-1/2"Drill pipe(S-150)

STRING Wt. : @ mBRT

Wt. of BOP Riser(kN) w/Hook	
P/U Wt. (kN) incl HPS	
S/O Wt. (kN) incl HPS	
Wt of RRT+TB(kN)	
Wt BHA below Jar(kN)	

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cl-	K+	Content Oil	Content W	Content S	LGS	PPG	MBC	n	K	Temp In	Temp Out
KNPP	14:00		1.08	90	60	40	10	11		0.5	10.4	0.1	65,000				0				0.68	1.46	26	

12%Pre-hy / 6%SW gel (m3)	
Mixed	0
Used SWgel	0
Ready to mix	8

SHAKER SCREEN SIZE

#1	10	84	#4	10	84
#2	10	84	#5	10	84
#3	10	84	#6	10	84

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

		Daily	Total	Eff.			Daily	Total
Process	Concentrated				Generated Vol.	Distilled Water		
Vol.	Solidification					Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP
1	6					
2	6					
3	6					

Mud Gas

	Base (%)	Max. (%)	Depth (m)
Trip Gas			
Conn. Gas			

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	221,700
Kingie-VO (Bulk)	0	0	19,560
NaOH	0	0	1,700
KOH	0	0	2,825
Lime	0	0	950
Soda Ash	0	0	1,600
Tel-Polymer(H)	0	0	980
Tel-Polymer(L)	0	0	2,540
Tel-Polymer DX	0	0	3,200
XCD-Polymer	0	0	1,000
Xian-Vis	0	0	1,200
NaCl (Bag)	0	0	52,000
KCL (Bag)	0	0	22,000
Clean Lube (L)	0	0	7,800
Clean Lube	0	0	7,200
Tel-Clean	0	0	0
Tel-DD	0	0	1,600
Lignite NC	0	0	3,600
Bi-Carbonate	0	0	0
Telnite GXL	0	0	270
Speeder (P)	0	0	1,700
Speeder (X)	0	0	1,700
EZ Spot	0	0	550
Deformer No.30C	0	0	224
EZ Drill	0	0	0

HELICOPTER INFORMATION

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1				
2				
3				
4				
5				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Press.	
Kick Tolerance	

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

PERSONNEL @24:00

CDEX	11
MQJ Crew	89
MQJ(Other)	1
MWJ	14
Scientist	14
Sub Con.	
Schlumberger	5
Mud Logging	4
MI-Swaco	1
ROV	6
Telnite	1
Coring	0
Vetco Gray	1
NOV	1
Core IRM	0
Vendors	0
Others	2
Total	150

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

GEOLOGIC INFORMATION

From	To	Litho logy

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	100	60	263
Potable Water m3	0	7	94
Drill Water m3	0	5	1,778
Fuel m3	400	44.5	6,001.0
Lube, Oil Ltrs	0	1500	79,200
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	0
Cement "DEEP CRETE" ton	0	0	12.5
Cement "LWC" ton	0	0	27.5

BOAT INFORMATION

Boat Name	Location	Time Arrived	Time Departed
KAIKO	Shingu		18:55
#7KAIKO	Chikyu		
Heisei Maru	Shingu		21:00

MARINE INFORMATION @24:00

Heave (m)	0.6
Pitch (deg)	0.5
Roll (deg)	0.5
Vessel Heading (deg)	210
Drift (m)	0.4
Riser Tension (kN)	7640
V.D. Load (Moon)	12,639.3
Max Draught (m)	9.18
Thruster (kW)	2,854
No. of transponders	10

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(knots)	CURRENT Dir. (deg)	VISIBILITY (km)
24:00	o	25	22.9	999.9	17.6	239	18.5	2.2	230	6.8	0.3	281	10

TODAY'S SCHEDULE : **BOP test**

REPORTED BY : T.Saruhashi / Y.Kawano / D.Ikenomoto

APPROVED BY : I. Sawada

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 45

HOLE NAME :	C0009A	**SITE NAME :**	NT2-11B	**Exp. :**	319	**REPORT DATE :**	24/Jun/2009
DEPTH : @24:00	2,795.0 mBRT	712.7 mbsf	PROGRESS :	Water Depth :	2,082.3 mBRT (2054mMSL)	RT-MSL : 28.3 m	SINCE MOVE : 43
@06:00	2,795.0 mBRT	712.7 mbsf		DRILLING/CORING Hrs. :	0.00 hrs	LAST CASING : 20" x 703.9 mbsf	

SUMMARY OF OPERATION

PRESENT OPERATION @06:00 on 24-Jun : **BOP pressure test**

Repair roller on retractable dolly for traveling block.

mBRT: meter below rotary table

mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on 23-Jun)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	1:00	1:00	Other	Continue to troubleshoot HR#2.
1:00	1:30	0:30	Other	Function test HR #2 and Hydraulic elevator.
1:30	8:15	6:45	BOPE	RIH BOP isolation test tool & 5-1/2"drill pipe to 2051m for BOP pressure test .Mark on drill pipe at R/T for Annular and rams position.
8:15	9:00	0:45	BOPE	Make up HPS and break circulation to trip tank.
9:00	9:45	0:45	BOPE	Land isolation test tool on well head as per Vetco instruction. (Turn string right 2turns and slack off 70-80kN.)
9:45	15:45	6:00	BOPE	BOP pressure test
				Flash line and test surface line w/3000psi 10min.OK.
				Test #1 Lower pipe ram 300psi×5min 3000psi×10min OK
				#2 Middle pipe ram, Lower inner Choke 300psi×5min 3000psi×10min OK
				#3 Middle pipe ram, Lower outer choke 300psi×5min 3000psi×10min OK
				#4 Middle pipe ram, Choke manifold valve#3 300psi×5min 3000psi×10min OK
				#5 Lower Annular, Upper inner choke 300psi×5min 3000psi×10min OK
				#6 Upper annular, Inner bleed valve 300psi×5min 3000psi×10min OK
				#7 Upper annular, Outer bleed valve 300psi×5min 3000psi×10min OK
				#8 Upper pipe ram, Upper inner kill, Upper inner choke 300psi×5min 3000psi×10min OK
				#9 Upper outer kill, Lower outer kill 300psi×5min 3000psi×10min OK
				#10 Kill manifold valve #1 300psi×5min 3000psi×10min OK
15:45	16:15	0:30	BOPE	BOP function test with yellow POD from panel in Tool Pusher House.
16:15	16:30	0:15	BOPE	Unseat Isolation tool and pick up to 2050m.
16:30	18:30	2:00	BOPE	Close Diverter and attempt pressure test on Diverter with 250psi. Fail to pressure up on Diverter at 120psi. Observe Trip Tank gain.
				Troubleshoot to detect leakage point. Find out fill line 6" ball valve from trip tank (PMV-950) leaking.
18:30	20:15	1:45	BOPE	POOH to 1793m. Meanwhile find out apply grease and service on leaked valve.
20:15	21:15	1:00	BOPE	Attempt pressure test on Diverter without success. Observe same valve leaking.
21:15	0:00	2:45	BOPE	POOH to 962mbrt.

TIME BREAKDOWN (00:00 - 06:00 on 24-Jun) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	0:45	0:45	BOPE	Continue to POOH to 757mbrt.
0:45	6:00	5:15	Other	Observe loud noise from block dolly while POOH blocks.
				Stop POOH and observe pieces of metal (crescent shape) on drill floor.
				Conduct investigation and identify bearing collapse on retractable dolly for traveling block.(lower aft side)
				Barrier off drill floor. Conduct derrick inspection.
				Conduct TBRA and PTW. Rig up and remove damaged dolly roller bearing.

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP

BHA RECORD / CORE BARREL TYPE

BHA No. : BOP isolation test tool + 5-1/2" 6m pup joint drill pipe + 5-1/2"Drill pipe(S-150)

STRING Wt. : @ mBRT

Wt. of BOP Riser(kN) w/Hook	
P/U Wt. (kN) incl HPS	
S/O Wt. (kN) incl HPS	
Wt of RRT+TB(kN)	
Wt BHA below Jar(kN)	

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cl-	K+	Content Oil	Content W	Content S	LGS	PPG	MBC	n	K	Temp In	Temp Out
KNPP	14:30		1.08	125	57	44	10	11		0.5	10.0	0.1	63,900				0				0.65	1.80	26	

12%Pre-hy / 6%SW gel (m3)	
Mixed	0
Used SWgel	0
Ready to mix	8

SHAKER SCREEN SIZE

#1	10 84	#4	10 84		
#2	10 84	#5	10 84		
#3	10 84	#6	10 84		

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

		Daily	Total	Eff.			Daily	Total
Process	Concentrated				Generated Vol.	Distilled Water		
Vol.	Solidification					Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP
1	6					
2	6					
3	6					

Mud Gas

Base (%)	Max. (%)	Depth (m)
Trip Gas		
Conn. Gas		

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	221,700
Kingie-VO (Bulk)	0	0	19,560
NaOH	0	0	1,700
KOH	0	0	2,825
Lime	0	0	950
Soda Ash	0	0	1,600
Tel-Polymer(H)	0	0	980
Tel-Polymer(L)	0	0	2,540
Tel-Polymer DX	0	0	3,200
XCD-Polymer	0	0	1,000
Xian-Vis	0	0	1,200
NaCl (Bag)	0	0	52,000
KCL (Bag)	0	0	22,000
Clean Lube (L)	0	0	7,800
Clean Lube	0	0	7,200
Tel-Clean	0	0	0
Tel-DD	0	0	1,600
Lignite NC	0	0	3,600
Bi-Carbonate	0	0	0
Telnite GXL	0	0	270
Speeder (P)	0	0	1,700
Speeder (X)	0	0	1,700
EZ Spot	0	0	550
Deformer No.30C	0	0	224
EZ Drill	0	0	0

HELICOPTER INFORMATION

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	10:56	11:02	1	2
2				
3				
4				
5				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Press.	
Kick Tolerance	

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

PERSONNEL @24:00

CDEX	10
MQJ Crew	89
MQJ(Other)	1
MWJ	14
Scientist	14
Sub Con.	
Schlumberger	5
Mud Logging	4
MI-Swaco	2
ROV	6
Telnite	1
Coring	0
Vetco Gray	1
NOV	1
Core IRM	0
Vendors	0
Others	1
Total	149

BOAT INFORMATION

Boat Name	Location	Time Arrived	Time Departed
KAIKO	Shingu		15:50
#7KAIKO	Chikyu		
Heisei Maru	Shingu		

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

GEOLOGIC INFORMATION

From	To	Litho logy

MARINE INFORMATION @24:00

Heave (m)	0.6
Pitch (deg)	0.5
Roll (deg)	0.2
Vessel Heading (deg)	225
Drift (m)	0.5
Riser Tension (kN)	7412
V.D. Load (Moon)	12,591.9
Max Draught (m)	9.20
Thruster (kW)	1,380
No. of transponders	10

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	51	69	245
Potable Water m3	48	6	136
Drill Water m3	0	0	1,778
Fuel m3	0	44.7	5,956.3
Lube, Oil Ltrs	0	800	78,400
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	0
Cement "DEEP CRETE" ton	0	0	12.5
Cement "LWC" ton	0	0	27.5

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(knots)	CURRENT Dir. (deg)	VISIBILITY (km)
24:00	r	22	22.1	1003.5	8.7	276	9.5	1.5	230	7.5	0.6	295	10

TODAY'S SCHEDULE : **POOH BOP isolation test tool / RIH 17" DCO Assembly**

REPORTED BY : T.Saruhashi / Y.Kawano / D.Ikenomoto

APPROVED BY : I. Sawada

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 46

HOLE NAME :	C0009A	**SITE NAME :**	NT2-11B	**Exp. :**	319	**REPORT DATE :**	25/Jun/2009

DEPTH : @24:00 **2,795.0** mBRT **712.7** mbsf PROGRESS : Water Depth : **2,082.3** mBRT (**2054**mMSL) RT-MSL : **28.3** m SINCE MOVE : **44**

@06:00 **2,795.0** mBRT **712.7** mbsf DRILLING/CORING Hrs. : **0.00** hrs LAST CASING : **20"** x **703.9** mbsf

SUMMARY OF OPERATION **POOH , Repair roller of Traveling Block Dolly, Make up and RIH 17"DOC Assembly, Install Core line Wiper on HPS**

PRESENT OPERATION @06:00 on **25-Jun** : **RIH 17"DOC BHA.**

mBRT: meter below rotary table
mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **24-Jun**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	0:45	0:45	Trip	Continue to POOH to 757mbrt.
				Observe abnormal noise from block dolly when pick up blocks.
				Stop POOH and observe pieces of metal (crescent shape) on drill floor.
0:45	12:30	11:45	RR	Conduct investigation and identify bearing collapse on retractable dolly for traveling block.(lower aft side)
				Conduct derrick inspection.
				Conduct TBRA. Rig up and remove damaged dolly roller bearing.
				Remove roller and bearing assembly. Strip down and rebuild the same.
				Reinstall roller assembly. Check dolly traveling up and down, Conduct visual inspection on the other rollers
12:30	14:30	2:00	Trip	POOH to surface
				Rack back isolation tool stand
14:30	19:15	4:45	Other	Mount core line wiper (Akema type) on W/L BOP of HPS.
				Modify mounting bracket for mud return hose.
19:15	21:45	2:30	Trip	Make up 17"DOC BHA and run to 145m
21:45	22:30	0:45	Trip	RIH to 336m meanwhile conduct kick drill
22:30	23:15	0:45	Other(N)	Engage HPS and conduct return flow sensor test
				Observe incorrect flow return percentage.
				Inspect return flow sensor and compare with mud logging. OK.
23:15	0:00	0:45	Other	Install modified mounting bracket and hose on HPS and secure the same.
				Hook up hydraulic lines to core line wiper.

TIME BREAKDOWN (00:00 - 06:00 on 25-Jun) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	1:30	1:30		Hook up hydraulic lines and drain hoses to core line wiper
1:30	6:00	4:30		RIH from 336m to 2048m. Fill pipe each 15stands.

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP
2	17	TIX	S-ZC	124	69633-T	24*3, 24*1																	

BHA RECORD / CORE BARREL TYPE

BHA No. : BOP isolation test tool x 5-1/2" P/J (6m) x 5-1/2"DP (S-150)
2 17"Bit x Junk Sub x F/Sub x 9-1/2"DC(3) x XO x 8-1/2"DC(6) x 7-3/4"Mechanical Jar x 8-1/2"DC(5) x XO x 5-1/2"DP (S-150)
:
:

String Wt.(kN) @2048 mBRT

String total w/ HPS&TB	1796
Pick up Weight w/ HPS&TB	
Slack off weight w/ HPS&TB	
HPS & Traveling Block	700
BHA below Jar	200

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.	WL	Cake	pH	Pf	Cl-	K+	Content Oil	Content W	Content S	LGS	PPG	MBC	n	K	Temp In	Temp Out
KNPP	14:30		1.08	122	45	58	10 13	4.5	0.5	9.8	0.1	64,600	30,400			0			0.5	0.52	3.95	26	

12%Pre-hy / 6%SW gel (m3)	
Mixed	0
Used SWgel	0
Ready to mix	8

SHAKER SCREEN SIZE

#1	10	84	#4	10	84
#2	10	84	#5	10	84
#3	10	84	#6	10	84

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

		Daily	Total	Eff.			Daily	Total
Process	Concentrated				Generated Vol.	Distilled Water		
Vol.	Solidification					Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP
1	6					
2	6					
3	6					

Mud Gas

	Base (%)	Max. (%)	Depth (m)
Trip Gas			
Conn. Gas			

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	221,700
Kingie-VO (Bulk)	0	0	19,560
NaOH	0	0	1,700
KOH	0	0	2,825
Lime	0	0	950
Soda Ash	0	0	1,600
Tel-Polymer(H)	0	0	980
Tel-Polymer(L)	0	0	2,540
Tel-Polymer DX	0	0	3,200
XCD-Polymer	0	0	1,000
Xian-Vis	0	0	1,200
NaCl (Bag)	0	0	52,000
KCL (Bag)	0	0	22,000
Clean Lube (L)	0	0	7,800
Clean Lube	0	0	7,200
Tel-Clean	0	0	0
Tel-DD	0	0	1,600
Lignite NC	0	0	3,600
Bi-Carbonate	0	0	0
Telnite GXL	0	0	270
Speeder (P)	0	0	1,700
Speeder (X)	0	0	1,700
EZ Spot	0	0	550
Deformer No.30C	0	0	224
EZ Drill	0	0	0

HELICOPTER INFORMATION (JA6655)

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	9:17	9:23	8	8
2	11:02	11:09	8	8
3	13:02	13:10	5	4
4				
5				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Press.	
Kick Tolerance	

BOP TESTS

Last Test On	23-Jun-09
Annular BOPs To	3000psi (20.6Mpa)
Ram BOPs To	3000psi (20.6Mpa)

PERSONNEL @24:00

CDEX	9
MQJ Crew	89
MQJ(Other)	1
MWJ	14
Scientist	14
Sub Con.	
Schlumberger	6
Mud Logging	6
MI-Swaco	3
ROV	3
Telnite	2
Coring	0
Vetco Gray	1
NOV	1
Core IRM	0
Vendors	0
Others	1
Total	150

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

GEOLOGIC INFORMATION

From	To	Litho logy

BOAT INFORMATION

Boat Name	Location	Time Arrived	Time Departed
KAIKO	Chikyu		19:40
#7KAIKO	Chikyu		
Heisei Maru	Shingu		

MARINE INFORMATION @24:00

Heave (m)	0.5
Pitch (deg)	0.3
Roll (deg)	0.2
Vessel Heading (deg)	230
Drift (m)	0.1
Riser Tension (kN)	7513
V.D. Load (Moon)	12,579.4
Max Draught (m)	9.20
Thruster (kW)	1,255
No. of transponders	10

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	0	62	183
Potable Water m3	97	7	226
Drill Water m3	0	11	1,767
Fuel m3	0	46.2	5,910.1
Lube, Oil Ltrs	0	0	78,400
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	0
Cement "DEEP CRETE" ton	0	0	12.5
Cement "LWC" ton	0	0	27.5

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(kts)	CURRENT Dir. (deg)	VISIBILITY (km)
24:00	o	22.5	22.1	1007.2	9.0	226	9.4	1.8	230	8.3	0.3	0.64	28

TODAY'S SCHEDULE : **Drill out cement, Displace hole with mud, Leak off test**

REPORTED BY : Y.Masumoto / Y.Kawano
APPROVED BY : I. Sawada

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 47

HOLE NAME :	C0009A	**SITE NAME :**	NT2-11B	**Exp. :**	319	**REPORT DATE :**	26/Jun/2009

DEPTH :	@24:00	2,798.0 mBRT	715.7 mbsf	PROGRESS :	3.0m	Water Depth :	2,082.3 mBRT (2054mMSL)	RT-MSL :	28.3 m	SINCE MOVE :	45
	@06:00	2,798.0 mBRT	715.7 mbsf			DRILLING/CORING Hrs. :	0.25 hrs	LAST CASING :	20" x	703.9 mbsf	

SUMMARY OF OPERATION: **RIH 17"DOC BHA, Drill out Cement, Displace hole with KNPP mud, Drill 17"hole 3m**

PRESENT OPERATION @06:00 on **26-Jun** : **POOH 17"DOC BHA.**

mBRT: meter below rotary table
mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **25-Jun**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	1:30	1:30	Other	Hook up hydraulic lines and drain hoses to core line wiper
1:30	9:00	7:30	Trip	RIH from 336m to 2760m.
				Fill pipe each 15stands. Circulate with 600gpm to ensure circulation system.
				Take weight 50kN @ 2760m with 30spm
9:15	10:00	0:45	Other	Hold pre job meeting for drill out cement
10:00	12:45	2:45	CM1	Drill out cement inside 20"casing and below shoe from 2760m to 2791m
				Ream down 2760-2786.5m WOB 10-80kN, HPS:60rpm 4-8kNm, Pump: 1,000gpm 19.7Mpa, Boost riser with 500gpm
				Float Collar @ 2780.0m , Float Shoe top@2785.3m
12:45	13:00	0:15	Trip	Ream down 26"hole from 2791 to 2795m
				WOB 10-90kN, HPS:60rpm 1-9kNm, Pump: 1,000gpm 13Mpa, Boost riser with 500gpm
				Transfer cuttings with CCB system and check function, OK
13:00	15:45	2:45	C&C	Pump 8KL of Pre-Hy Gel and sweep out with seawater. Pump: 1,000gpm 19.5Mpa Boost riser with 500gpm
				Ream up and down to scrape shoe 2 times.
15:45	16:45	1:00	Other	Hold pre job meeting for hole displacement while circulation.
				Flow check, OK
16:45	20:30	3:45	C&C	Displace hole with 1.08sg KNPP mud.
				16:45-17:00 Choke & Kill line, Boost line
				17:00-19:15 main hole 200spm, 17.6Mpa, working pipe w/10rpm Observe mud return to surface.
				Increase riser tension from 7640kN to 7800kN
				Continue circulation to uniform mud. Pump: 200spm, 17.6Mpa
20:30	20:45	0:15	C&C	Take slow circulating rate and choke line friction loss with No.2 & No.3 mud pump.
20:45	21:00	0:15	DRL	Drill 17"hole to 2798m (3m)
				WOB 10-50kN, HPS: 60rpm 3-10kNm, Pump: 600gpm 7.8Mpa, Boost riser with 500gpm
21:00	23:00	2:00	C&C	Circulation and bottom up. Pump: 200spm, 16.7Mpa Boost riser with 500gpm
23:00	23:15	0:15	Other	Flow check, OK. Hold pre job meeting for leak off test.
23:15	0:00	0:45	Other	Line up and flush pressure line from cement unit to drill floor.
				Test Kill line with 1,000psi, OK
				Test upper IBOP without success.

(Mpa)

Pump	SCR No.2	SCR No3	CLFL No.2	CLFL No3
30spm	1.1	1.1	1.5	1.5
40spm	1.4	1.4	1.7	1.8
50spm	1.9	1.9	1.9	2.1

TIME BREAKDOWN (00:00 - 06:00 on 26-Jun) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	1:30	1:30	Other(N)	Inspect and attempt to function upper IBOP without success. Decision made to use lower IBOP for test.
1:30	2:15	0:45	Other	Flush and test with 1,000pis on pressure line (String and Kill line) Space out strings to close middle pipe ram.
2:15	3:15	1:00	Other	Perform leak off test with 1.08sg KNPP mud Pump rate:0.25bpm Stop pump at 116psi, Pumped volume: 2.2bbl
				Leak off pressure: 105psi (EMW: 1.106 @ shoe) Max. pump pressure:116psi (EMW: 1.109) Flow back volume:0.5bbl
3:15	5:00	1:45	Other	Perform leak off test with 1.08sg KNPP mud Pump rate:0.25bpm Stop pump at 135psi, Pumped volume: 3.6bbl
				Leak off pressure: 105psi (EMW: 1.106 @ shoe) Max. pump pressure:133psi (EMW: 1.113) Flow back volume:0.5bbl
5:00	6:00	1:00	Trip	POOH to 2665m

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP
2	17	TIX	S-ZC	124	69633-T	24*3, 24*1	2,795.0	2,798.0	3.0	0 25	10	50	60		3-10								

BHA RECORD / CORE BARREL TYPE

BHA No. 2 17"Bit x Junk Sub x F/Sub x 9-1/2"DC(3) x XO x 8-1/2"DC(6) x 7-3/4"Mechanical Jar x 8-1/2"DC(5) x XO x 5-1/2"DP (S-150)

String Wt.(kN) @2795 mBRT

String total w/ HPS&TB	2108
Pick up Weight w/ HPS&TB	2110
Slack off weight w/ HPS&TB	2100
HPS & Traveling Block	700
BHA below Jar	200

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.	WL	Cake	pH	Pf	Cl-	K+	Content Oil	Content W	Content S	LGS	PPG	MBC	n	K	Temp In	Temp Out
KNPP	21:15	2,779	1.08	118	48	49	9 11	4.3	0.5	10.5	0.1	64,600	29,600			0			0.5	0.58	2.61	26	28

12%Pre-hy / 6%SW gel (m3)	
Mixed	0
Used Pre-Hy	8
Ready to mix	0

SHAKER SCREEN SIZE

#1	10	84	#4	10	84
#2	10	84	#5	10	84
#3	10	84	#6	10	84

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

		Daily	Total	Eff.			Daily	Total
Process	Concentrated				Generated Vol.	Distilled Water		
Vol.	Solidification					Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP
1	6	100	1000	19.5	37.6	28.9
2	6	100				
3	6	100	500(Boost)			

Mud Gas

	Base (%)	Max. (%)	Depth (m)
Trip Gas			
Conn. Gas			

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	221,700
Kingie-VO (Bulk)	0	0	19,560
NaOH	0	0	1,700
KOH	0	50	2,775
Lime	0	0	950
Soda Ash	0	0	1,600
Tel-Polymer(H)	0	0	980
Tel-Polymer(L)	0	0	2,540
Tel-Polymer DX	0	0	3,200
XCD-Polymer	0	0	1,000
Xian-Vis	0	0	1,200
NaCl (Bag)	0	2,000	50,000
KCL (Bag)	0	0	22,000
Clean Lube (L)	0	0	7,800
Clean Lube	0	0	7,200
Tel-Clean	0	0	0
Tel-DD	0	0	1,600
Lignite NC	0	0	3,600
Bi-Carbonate	0	0	0
Telnite GXL	0	0	270
Speeder (P)	0	0	1,700
Speeder (X)	0	0	1,700
EZ Spot	0	0	550
Deformer No.30C	0	0	224
EZ Drill	0	0	0

HELICOPTER INFORMATION (JA6655)

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	0:00	0:00	8	8
2	11:02	11:09	8	8
3				
4				
5				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Press.	
Kick Tolerance	

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

BOP TESTS

Last Test On	23-Jun-09
Annular BOPs To	3000psi (20.6Mpa)
Ram BOPs To	3000psi (20.6Mpa)

PERSONNEL @24:00

CDEX	9
MQJ Crew	87
MQJ(Other)	1
MWJ	14
Scientist	14
Sub Con.	
Schlumberger	6
Mud Logging	6
MI-Swaco	4
ROV	3
Telnite	2
Coring	0
Vetco Gray	1
NOV	1
Core Tech.	1
Vendors	0
Others	1
Total	150

GEOLOGIC INFORMATION

From	To	Litho logy
2795	2798	sandy-silt stone

BOAT INFORMATION

Boat Name	Location	Time Arrived	Time Departed
KAIKO	Chikyu	20:04	
#7KAIKO			20:36
Heisei Maru	Chikyu	8:30	

MARINE INFORMATION @24:00

Heave (m)	0.4
Pitch (deg)	0.3
Roll (deg)	0.2
Vessel Heading (deg)	230
Drift (m)	0.1
Riser Tension (kN)	7673
V.D. Load (Moon)	11,831.4
Max Draught (m)	9.18
Thruster (kW)	1.003
No. of transponders	10

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	92	63	212
Potable Water m3	0	4	222
Drill Water m3	0	0	1,767
Fuel m3	0	47.8	5,862.3
Lube, Oil Ltrs	0	2800	75,600
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	0
Cement "DEEP CRETE" ton	0	0	12.5
Cement "LWC" ton	0	0	27.5

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(kts)	CURRENT Dir. (deg)	VISIBILITY (km)
24:00	c	22.5	20.7	1011.3	10.3	261	11.4	1	220	6.5	0.8	270	20

TODAY'S SCHEDULE : **POOH 17"DOC BHA, Make up 12-1/4" BHA(Power-V & MWD)**

REPORTED BY : Y.Masumoto / Y.Kawano
APPROVED BY : I. Sawada

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 48

HOLE NAME :	C0009A	**SITE NAME :**	NT2-11B	**Exp. :**	319	**REPORT DATE :**	27/Jun/2009
DEPTH : @24:00	2,798.0 mBRT	715.7 mbsf	PROGRESS : .0m	Water Depth :	2,082.3 mBRT (2054 mMSL)	RT-MSL : 28.3 m	SINCE MOVE : 46
@06:00	2,798.0 mBRT	715.7 mbsf		DRILLING/CORING Hrs. :	0.00 hrs	LAST CASING : 20" x 703.9 mbsf	

SUMMARY OF OPERATION: **Leak off test, POOH 17"DOC BHA, Repair IBOP on HPS**

PRESENT OPERATION @06:00 on **27-Jun** : **Make up 12-1/4"pilot hole BHA**

mBRT: meter below rotary table
mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **26-Jun**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	1:30	1:30	Other(N)	Inspect and attempt to function upper IBOP without success. Decision made to use lower IBOP for test.
1:30	2:15	0:45	Other	Flush and test with 1,000pis on pressure line (String and Kill line). Space out strings to close middle pipe ram.
2:15	3:15	1:00	Other	Perform leak off test with 1.08sg KNPP mud
				Pump rate:0.25bpm leak off pressure: 100psi, EMW@shoe:1.113sg Stop pump at 120psi (EMW:1.118sg)
				Pumped volume: 2.2bbl, Flow back:0.5bbl
3:15	5:00	1:45	Other	Perform 2nd leak off test with 1.08sg KNPP mud
				Pump rate:0.25bpm leak off pressure: 105psi, EMW@shoe:1.114sg Stop pump at 133psi (EMW:1.122sg)
				Pumped volume: 3.6bbl, Flow back:0.5bbl
5:00	15:45	10:45	Trip	POOH 17"DOC BHA and lay down same.
				Flow check @ BOP. OK
15:45	0:00	8:15	RR	Repair upper IBOP on HPS
				Change out and install new IBOP
				Connection between Lower and Upper IBOP couldn't get proper torque by torque wrench.
				Strip down torque wrench and pipe handler and made up by rig tong.
				Monitor well on trip tank. Lost circulation rate: 2bbls per hour
				Clean 13-3/8 casing thread and coat oil due to storage long time on pipe deck
				Meanwhile monitor well on trip tank. Lost circulation rate: 2bb per hour
				1825 No.1 & No.2 XP(DPS) have been lost position signals.
				Probably that cause by external trouble of XP differential onshore.
				DPO received some information from the maker, which had been occurred by the maker's system at the time.
				1840 Back to normal and set into auto mixed

TIME BREAKDOWN (00:00 - 06:00 on 27-Jun) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	5:30	5:30	RR	Continue replacing Pipe handler and IBOP acutator housing and change out carrier inserts. Prepare 12 1/4" BHA.
				Monitor well on trip tank. Lost circulation rate: 2bbls per hour
5:30	6:00	0:30	Trip	Hold TBRA, Commence picking up 12-1/4" Pilot hole drilling BHA

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP
2	17	TIX	S-ZC	124	69633-T	3x24, 1x24	2,795.0	2,798.0	3.0	0	25	10	50	60	3-10	1	1	WT	A	1	I	NO	BHA
3	12-1/4	Hycalog	RSX5195-D2	5422	218338	2X15,5X14																	

BHA RECORD / CORE BARREL TYPE

BHA No. 2: 17"Bit x Junk Sub x F/Sub x 9-1/2"DC(3) x XO x 8-1/2"DC(6) x 7-3/4"Mechanical Jar x 8-1/2"DC(5) x XO x 5-1/2"DP (S-150)
3: 12-1/4"PDC bit x Power V x F/sub x 12"stab x 8"NM pony x MWD x 8"NMDC x 8-1/2"DC(5) x 7-3/4"Mechanical Jar x 8-1/2"DC(5) x 5-1/2" S-140(25std)
x 5-1/2"DP S-150
:

String Wt.(kN)	mBRT
String total w/ HPS&TB	
Pick up Weight w/ HPS&TB	
Slack off weight w/ HPS&TB	
HPS & Traveling Block	
BHA below Jar	

MUD PROPERTIES

Mud Type	Time	Depth(mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cl-	K+	Content Oil	Content W	Content S	LGS	PPG	MBC	n	K	Temp In	Temp Out
KNPP	20:30	Tank	1.08	98	35	38	9	10	4.7	0.5	10.8	0.1	63,200	24,700			0			0.5	0.57	2.15	25	

CUTTING SKIP

Available	41
Full	1
Back up	2
Boat	0
Shingu	5

SHAKER SCREEN SIZE

#1	10	84	#4	10	84
#2	10	84	#5	10	84
#3	10	84	#6	10	84

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

		Daily	Total	Eff.			Daily	Total
Process	Concentrated				Generated Vol.	Distilled Water		
Vol.	Solidification					Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP
1	6					
2	6					
3	6					

Mud Gas

	Base (%)	Max. (%)	Depth (m)
Trip Gas			
Conn. Gas			

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	900	220,800
Kingie-VO (Bulk)	0	0	19,560
NaOH	0	0	1,700
KOH	0	50	2,725
Lime	0	0	950
Soda Ash	0	0	1,600
Tel-Polymer(H)	0	120	1,300
Tel-Polymer(L)	0	520	3,940
Tel-Polymer DX	0	800	5,600
XCD-Polymer	0	0	1,000
Xian-Vis	0	125	1,075
NaCl (Bag)	0	6,000	62,000
KCL (Bag)	0	4,000	18,000
Clean Lube (L)	0	2,000	6,600
Clean Lube	0	0	7,200
Tel-DD	0	0	1,200
Lignite NC	0	0	3,600
Telnite GXL	0	0	270
Speeder (P)	0	0	1,700
Speeder (X)	0	0	1,700
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0	0	500/1000
Tel Mica C/M/F	0	0	500/500/1000
Tel Plug C/M/F	0	0	500/500/1000
EZ Drill	0	0	0

HELICOPTER INFORMATION (JA6655)

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	9:03	9:10	6	6
2				
3				
4				
5				

LEAK OFF TEST DATA

Leak off Test On	25-Jun.-2009
Lopes. @Surface	105psi
Leaked off EMW @shoe	1.106sg
Ruptured EMW @shoe	not observed

BOP TESTS

Last Test On	23-Jun-09
Annular BOPs To	3000psi (20.6Mpa)
Ram BOPs To	3000psi (20.6Mpa)

KICK TOLERANCE

Max. Allow CSG Press.	
Kick Tolerance	

PERSONNEL @24:00

CDEX	9
MQJ Crew	88
MQJ(Other)	1
MWJ	14
Scientist	14
Sub Con.	
Schlumberger	6
Mud Logging	6
MI-Swaco	4
ROV	3
Telnite	2
Coring	0
Vetco Gray	0
NOV	1
Core Tech.	2
Vendors	0
Others	0
Total	150

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

GEOLOGIC INFORMATION

From	To	Lithology

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Chikyu	15:30	0:00
#7KAIKO	Chikyu		
Heisei Maru	Chikyu		

MARINE INFORMATION @24:00

Heave (m)	0.3
Pitch (deg)	0.3
Roll (deg)	0.2
Vessel Heading (deg)	230
Drift (m)	0.1
Riser Tension (kN)	7830
V.D. Load (Moon)	12,429.4
Max Draught (m)	9.13
Thruster (kW)	1,544
No. of transponders	10

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	95	56	251
Potable Water m3	0	5	217
Drill Water m3	0	78	1,689
Fuel m3	0	44.7	5,817.6
Lube, Oil Ltrs	0	0	75,600
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	0
Cement "DEEP CRETE" ton	0	0	12.5
Cement "LWC" ton	0	0	27.5

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(kts)	CURRENT Dir. (deg)	VISIBILITY (km)
24:00	hc	23	21.9	1012.7	7.2	264	7.7	0.8	240	7.7	0.1	195	28

TODAY'S SCHEDULE : **Make up 12-1/4" BHA(Power-V & MWD), Drill 12-1/4"pilot hole**

REPORTED BY : Y.Masumoto / Y.Kawano
APPROVED BY : T.Abe

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 49

HOLE NAME :	C0009A	**SITE NAME :**	NT2-11B	**Exp. :**	319	**REPORT DATE :**	28/Jun/2009
DEPTH : @24:00	2,813.0 mBRT	730.7 mbsf	PROGRESS : 15.0m	Water Depth :	2,082.3 mBRT (2054 mMSL)	RT-MSL : 28.3 m	SINCE MOVE : 47
@06:00	2,879.0 mBRT	796.7 mbsf		DRILLING/CORING Hrs. :	1.75 hrs	LAST CASING : 20" x 703.9 mbsf	

SUMMARY OF OPERATION: **Rerair pipe handler, M/U run 12-1/4"drilling BHA, Drill 12-1/4"hole**

PRESENT OPERATION @06:00 on 28-Jun : **POOH to BOP**

mBRT: meter below rotary table

mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on 27-Jun)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	5:30	5:30	RR	Continue replacing Pipe handler and IBOP acutator housing and change out carrier inserts. Prepare 12 1/4" BHA.
				Monitor well on trip tank. Lost circulation rate: 2bbls per hour
5:30	8:00	2:30	Trip	Make up 12-1/4"Pilot hole drilling BHA
				Conduct shallow test on MWD and PowerV
				Observe IBOP doesn't fully function. Remove actuator and attempt to function by hand. Find valve very tight and open same.
				Decision made to run with upper IBOP in open position.
8:00	10:15	2:15	Trip	Engage HPS and conduct shallow test on MWD and Power-V with 650gpm@650psi, OK
10:15	20:45	10:30	Trip	Run in hole 12-1/4"pilot hole drilling BHA.
				10:15-12:45 Run DC stand to 133m
				12:45-13:00 Change elevator inserts for drill pipe S140
				13:00-15:00 Run 25stands of S140 to 1080m
				15:00-15:15 Change elevator inserts for drill pipe S150
				15:15-20:45 Run S150 to 2760m Lost mud 5KL on trip
20:45	21:45	1:00	Other	Hold meeting for 12-1/4" hole drilling.
				Meanwhile Record Slow Circulation Rate pressure. Service TDS. Monitor well on trip tank, well static.
21:45	22:00	0:15	C&C	Start circulation and rump up to 650gpm at 11.1Mpa. Observe no loss.
22:00	22:45	0:45	DRL	Ream down to 2798m with 650gpm x 11.0Mpa, 140rpm x 4-5kNm. No fill on bottom.
22:45	0:00	1:15	DRL	Drill 12-1/4"hole from 2798m to 2813m (15m)
				WOB:3-10kN Pump:650gpm x 10.9Mpa, HPS: 140rpm x 4-6kN
				Max. Gas: 2.65% @2802m, Base Gas:0.3-0.5%, No connection gas
				Lost mud volume:2.1KL, Ave. 1.7KL/hr
				Lost volume a day :7.1KL

TIME BREAKDOWN (00:00 - 06:00 on 28-Jun) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	6:00	6:00	DRL	Drill 12-1/4"hole from 2813m to 2879m (66m)
				WOB:3-10kN Pump:700gpm x 12.6Mpa, HPS: 160rpm x 3-8kN boost riser at 200-350gpm
				survey result: 0.00deg. @2818.15m, 2854.57m
				Lost volume: 6.0KL. Ave. lost rate:1.0KL/hr

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP
3	12-1/4"	Hycalog	RSX519S-D2	S422	218338	2x15,5x14	2,798.0	2,813.0	15.0	1.25	3	10		140	22								

BHA RECORD / CORE BARREL TYPE

BHA No. 3 12-1/4"PDC bit x Power V x F/sub x 12"stab x 8"NM pony x MWD x 8"NMDC x 8-1/2"DC(5) x 7-3/4"Mechanical Jar x 8-1/2"DC(5) x 5-1/2" S-140(25std)
x 5-1/2"DP S-150

String Wt.(kN) @2879 mBRT

String total w/ HPS&TB	2108
Pick up Weight w/ HPS&TB	2110
Slack off weight w/ HPS&TB	2100
HPS & Traveling Block	690
BHA below Jar	150

MUD PROPERTIES

Mud Type	Time	Depth(mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cl-	K+	Content Oil	Content W	Content S	LGS	PPG	MBC	n	K	Temp In	Temp Out
KNPP	22:15	2,761	1.08	107	31	36	8	9	4.7	0.5	10.4	0.1	62,800	22,500			0			0.5	0.55	2.19	26	33

CUTTING SKIP

Available	42
Full	1
Back up	2
Boat	0
Shingu	5
Total	50

SHAKER SCREEN SIZE

#1	10	84	#4	10 84
#2	10	84	#5	10 84
#3	10	84	#6	10 84

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

		Daily	Total	Eff.			Daily	Total
Process	Concentrated				Generated Vol.	Distilled Water		
Vol.	Solidification					Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP
1	6	65	650	11.1	29.6	24.8
2	6	65				
3	6					

Mud Gas

	Base (%)	Max. (%)	Depth (m)
Trip Gas			
Conn. Gas			

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	220,800
Kingie-VO (Bulk)	0	0	19,560
NaOH	0	0	1,700
KOH	0	100	2,625
Lime	0	0	950
Soda Ash	0	0	1,600
Tel-Polymer(H)	0	240	1,060
Tel-Polymer(L)	0	1,040	2,900
Tel-Polymer DX	0	1,600	4,000
XCD-Polymer	0	0	1,000
Xian-Vis	0	250	825
NaCl (Bag)	0	8,000	54,000
KCL (Bag)	0	8,000	10,000
Clean Lube (L)	0	0	6,600
Clean Lube	0	4,000	3,200
Tel-DD	0	400	800
Lignite NC	0	0	3,600
Telnite GXL	0	0	270
Speeder (P)	0	0	1,700
Speeder (X)	0	0	1,700
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0	0	500/1000
Tel Mica C/M/F	0	0	500/500/1000
Tel Plug C/M/F	0	0	500/500/1000
EZ Drill	0	0	0

HELICOPTER INFORMATION (JA6655)

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1				
2				
3				
4				
5				

LEAK OFF TEST DATA

Leak off Test On	25-Jun.-2009
Lopes. @Surface	105psi
Leaked off EMW @shoe	1.106sg
Ruptured EMW @shoe	not observed

BOP TESTS

Last Test On	23-Jun-09
Annular BOPs To	3000psi (20.6Mpa)
Ram BOPs To	3000psi (20.6Mpa)

KICK TOLERANCE

Max. Allow CSG Press.	
Kick Tolerance	

PERSONNEL @24:00

CDEX	9
MQJ Crew	88
MQJ(Other)	1
MWJ	14
Scientist	14
Sub Con.	
Schlumberger	6
Mud Logging	6
MI-Swaco	4
ROV	3
Telnite	2
Coring	0
Vetco Gray	0
NOV	1
Core Tech.	2
Vendors	0
Others	0
Total	150

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

GEOLOGIC INFORMATION

From	To	Litho logy
2798	2813	sandy silt stone

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	99	61	289
Potable Water m3	0	3	214
Drill Water m3	0	132	1,557
Fuel m3	0	45.2	5,772.4
Lube, Oil Ltrs	0	700	74,900
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	0
Cement "DEEP CRETE" ton	0	0	12.5
Cement "LWC" ton	0	0	27.5

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Chikyu	18:58	0:00
#7KAIKO	Chikyu	17:45	0:00
Heisei Maru	Chikyu		

MARINE INFORMATION @24:00

Heave (m)	0.3
Pitch (deg)	0.3
Roll (deg)	0.1
Vessel Heading (deg)	230
Drift (m)	0.2
Riser Tension (kN)	7875
V.D. Load (Moon)	11,951.8
Max Draught (m)	9.18
Thruster (kW)	1,286
No. of transponders	10

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(kts)	CURRENT Dir. (deg)	VISIBILITY (km)
24:00	o	24	21	1010.3	3.8	196	4.1	0.8	200	7.5	0.2	348	20

TODAY'S SCHEDULE : **POOH to BOP , Investigate HPS brake**

REPORTED BY : Y.Masumoto / Y.Kawano

APPROVED BY : T.Abe

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 50

HOLE NAME :	C0009A	**SITE NAME :**	NT2-11B	**Exp. :**	319	**REPORT DATE :**	29/Jun/2005
DEPTH : @24:00	2,884.0 mBRT	801.7 mbsf	PROGRESS : 71.0m	Water Depth :	2,082.3 mBRT (2054 mMSL)	RT-MSL : 28.3 m	SINCE MOVE : 48
@06:00	2,884.0 mBRT	801.7 mbsf		DRILLING/CORING Hrs. :	6.25 hrs	LAST CASING : 20" x 703.9 mbsf	

SUMMARY OF OPERATION: **Drill 12-1/4"hole from 2813m to 2884m (71m) , Repair HPS FWD brake, W/L slip and cut**

PRESENT OPERATION @06:00 on **29-Jun** : **Run 12-1/4"drill BHA**

mBRT: meter below rotary table
mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **28-Jun**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	6:15	6:15	DRL	Drill 12-1/4"hole from 2813m to 2884m (71m)
				WOB:3-10kN Pump:700gpm x 12.6Mpa. HPS: 160rpm x 3-8kN boost riser at 200-350gpm
				ROP Max: 21.0m/hr, Min:10.7m/hr, Ave.12.1m/hr
				Lost circulation rate:1.2KL/hr
6:15	7:15	1:00	RR	Observe FWD HPS brake burning. Break out drill pipe and the fire burn out with help from rain and wind at 26m height.
				Inspect brake and encoder.
7:15	7:45	0:30	RR	Pick uo into 20"casing shoe. Flow check,OK
7:45	10:00	2:15	RR	POOH to above BOP at 2080m.
10:00	17:15	7:15	RR	Isolate HPS and Drawworks.
				Inspect HPS brake and repair the same.
				Remove bottom cover, encoder, brake housing and brake assembly.
				Replace damaged hydraulic hoses.
				Replace air circuit breaker Motor A
				meanwhile monitor well on trip tank continually.
17:15	18:30	1:15	RR	Hang off HPS
18:30	0:00	5:30	RR	Run test on gearbox oil seal integlity. Rump up rotation with 50, 80, 100 and 160rpm.
				Drill line slip and cut for 50m
				Install new brake assembly and break housing and inspect wiring.
				10:00-24:00 Lost circulation rate:0.6KL/hr
				Total lost volume:25.2KL

TIME BREAKDOWN (00:00 - 06:00 on 29-Jun) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	1:30	1:30	RR	Continue installing brake assembly.
1:30	2:30	1:00	RR	Install decoder and replace valves on HPS brake system. Test the same.
2:30	4:15	1:45	RR	Align and test decoder with max.160rpm.
4:15	5:15	1:00	RR	Tie wiring of encoder and base cover bolts.
				Remove hangoff line from blocks. 0:00-5:00 Lost circulation rate:0.5KL/hr
5:15	6:00	0:45	Trip	Run 12-1/4"drill BHA to 2100m

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP
3	12-1/4"	Hycalog	RSX519S-D2	S422	218338	2x15,5x14	2,798.0	2,813.0	15.0	1.25	3	10		140	22								

BHA RECORD / CORE BARREL TYPE

BHA No. 3 12-1/4"PDC bit x Power V x F/sub x 12"stab x 8"NM pony x MWD x 8"NMDC x 8-1/2"DC(5) x 7-3/4"Mechanical Jar x 8-1/2"DC(5) x 5-1/2" S-140(25std)
x 5-1/2"DP S-150

String Wt.(kN) @2879 mBRT

String total w/ HPS&TB	2108
Pick up Weight w/ HPS&TB	2110
Slack off weight w/ HPS&TB	2100
HPS & Traveling Block	690
BHA below Jar	150

MUD PROPERTIES

Mud Type	Time	Depth(mBRT)	MW	VIS	PV	YV	Gel St.	WL	Cake	pH	Pf	Cl-	K+	Content Oil	Content W	Content S	LGS	PPG	MBC	n	K	Temp In	Temp Out
KNPP	6:15	2,761	1.08	98	36	35	7	9	4.7	0.5	10.1	0.1	63,600	23,600					0.5	0.59	1.77	15	15
KNPP	17:00	Tank	1.08	101	32	34	8	9	4.8	0.5	10.2	0.1	62,800	22,500					0.5	0.57	1.9	25	

CUTTING SKIP

Available	42
Full	1
Back up	2
Boat	0
Shingu	5
Total	50

SHAKER SCREEN SIZE (Top/Bottom primary &secondary)

#1	10	165	145	#4	10	165	145
#2	10	84	84	#5	10	84	84
#3	10	165	145	#6	10	165	145

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

		Daily	Total	Eff.			Daily	Total
Process	Concentrated				Generated Vol.	Distilled Water		
Vol.	Solidification					Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP
1	6	70	700	12.6	24.1	20.2
2	6	70				
3	6					

Mud Gas

Base (%)	Max. (%)	Depth (m)
0	2.7	2,803
Trip Gas		
Conn. Gas		

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	220,800
Kingie-VO (Bulk)	0	0	19,560
NaOH	0	0	1,700
KOH	0	50	2,575
Lime	0	0	950
Soda Ash	0	0	1,600
Tel-Polymer(H)	0	0	1,060
Tel-Polymer(L)	0	0	2,900
Tel-Polymer DX	0	0	4,000
XCD-Polymer	0	0	1,000
Xian-Vis	0	0	825
NaCl (Bag)	0	0	54,000
KCL (Bag)	0	0	10,000
Clean Lube (L)	0	0	6,600
Clean Lube	0	0	3,200
Tel-DD	0	0	800
Lignite NC	0	0	3,600
Telnite GXL	0	0	270
Speeder (P)	0	0	1,700
Speeder (X)	0	0	1,700
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0	0	500/1000
Tel Mica C/M/F	0	0	500/500/1000
Tel Plug C/M/F	0	0	500/500/1000
EZ Drill	0	0	0

HELICOPTER INFORMATION (JA6655)

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1				
2				
3				
4				
5				

LEAK OFF TEST DATA

Leak off Test On	25-Jun.-2009
Lopes. @Surface	105psi
Leaked off EMW @shoe	1.116sg
Ruptured EMW @shoe	not observed

KICK TOLERANCE

Max. Allow CSG Press.	
Kick Tolerance	

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

BOP TESTS

Last Test On	22-Jun-05
Annular BOPs To	3000psi (20.6Mpa)
Ram BOPs To	3000psi (20.6Mpa)

PERSONNEL @24:00

CDEX	9
MQJ Crew	88
MQJ(Other)	1
MWJ	14
Scientist	14
Sub Con.	
Schlumberger	6
Mud Logging	6
MI-Swaco	4
ROV	3
Telnite	2
Coring	0
Vetco Gray	0
NOV	1
Core Tech.	2
Vendors	0
Others	0
Total	150

REMARKS

Conduct fire and abandom drill

GEOLOGIC INFORMATION

From	To	Lithology
2800	2820	Clyst:30-90%, Sst:10-20%, Coal:0-20% Cmt:0-50%
2820	2830	Clyst:80-90%, Sst:10-20%
2830	2845	Clyst:60-80%, Sst:20-40%

MARINE INFORMATION @24:00

Heave (m)	0.4
Pitch (deg)	0.3
Roll (deg)	0.2
Vessel Heading (deg)	250.0
Drift (m)	0.3
Riser Tension (kN)	7,708.0
V.D. Load (Moon)	11,678.5
Max Draught (m)	9.2
Thruster (kW)	1,495
No. of transponders	10

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	38	62	265
Potable Water m3	0	5	209
Drill Water m3	61	0	1,618
Fuel m3	0	46.8	5,725.6
Lube, Oil Ltrs	0	0	74,900
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	0
Cement "DEEP CRETE" ton	0	0	12.5
Cement "LWC" ton	0	0	27.5

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Chikyu	15:20	0:00
#7KAIKO	Chikyu		22:20
Heisei Maru	Chikyu		

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(kts)	CURRENT Dir. (deg)	VISIBILITY (km)
0:00	hc	22	23.2	1010.1	3.5	166	3.9	1.2	50	7.3	0.5	46	28

TODAY'S SCHEDULE : **Run back to the bottom, Drill 12-1/4"pilot hole.**

REPORTED BY : Y.Masumoto / Y.Kawano
APPROVED BY : T.Abe

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 51

HOLE NAME : C0009A **SITE NAME :** NT2-11B **Exp. :** 319 **REPORT DATE :** 30/Jun/2005

DEPTH : @24:00 3,088.0 mBRT 1,005.7 mbsf PROGRESS : 204.0m Water Depth : 2,082.3 mBRT (2054 mMSL) RT-MSL : 28.3 m SINCE MOVE : 49

@06:00 3,088.0 mBRT 1,005.7 mbsf DRILLING/CORING Hrs. : 12.50 hrs LAST CASING : 20" x 703.9 mbsf

SUMMARY OF OPERATION

PRESENT OPERATION @06:00 on 30-Jun : Drill 12-1/4"hole from 2884m to 3088m (204m) , Circulation Bottom'up

Run back to bottom after short trip.

mBRT: meter below rotary table

mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on 29-Jun)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	5:00	5:00	RR	Continue to repair HPS brake
				0:00-01:30 Install new brake assembly
				01:30-02:30 Install new encoder, Change out 2 x quick relief valves on A & B HPS brake air system and test same.
				02:30-04:15 Align and test encoder to Max.160rpm
				04:15-05:00 Tie wiring of encoder and base plate bolts.
5:00	5:45	0:45	RS	Remove hang off line from blocks. Calibrate warning system of drawworks and derrick.
5:45	7:30	1:45	Trip	RIH to shoe, Fill strings and check flow return.
7:30	8:45	1:15	Trip	RIH in open hole, Wash down last stand with 20spm. Take 50kN at 2874m. (10m soft fill on bottom)
				Ream down to 2884m w/650gpm and 40rpm.
8:45	20:30	11:45	DRL	Drill 12-1/4"hole from 2884 to 3070m.
				WOB:0-5kN, Pump:700gpm x 13.0Mpa, HPS:160rpm x 2-4kNm, boost riser 200-300gpm.
				Ream and take survey at each connection.
20:30	21:30	1:00	C&C	Circulation w/350gpm due to cutting chute blocking up. Clean up cutting chute.
21:30	22:45	1:15	DRL	Drill 12-1/4"hole from 3070 to 3088m
				WOB:0-5kN, Pump:700gpm x 13.0Mpa, HPS:140rpm x 4-8kNm, boost riser 200-300gpm.
				ROP Ave.:19.2m/hr (2884m-3088m)
				Observe gas peak 11.2% @3044m, Gas Base 0.1-0.2%
22:45	0:00	1:15	C&C	Circulation bottom's up at 3088m
				Pump:700gpm x 13.1Mpa, HPS:100rpm.
				Lost circulation rate:0.6KL/hr
				Total lost volume today : 14.5KL

MWD Survey record

Depth	Inclination
mBRT	deg.
2897.90	0.09
2927.95	0.12
2967.36	0.06
3005.41	0.10
3045.44	0.06

TIME BREAKDOWN (00:00 - 06:00 on 30-Jun) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	3:00	1:30	C&C	Circulation bottom's up at 3088m
				Pump:700gpm x 13.1Mpa, HPS:100-80rpm. Observe excessive cuttings on shaker.
3:00	3:15	0:15	Trip	Flow check, OK
3:15	4:45	1:30	Trip	Short trip to 2762m inside 20"casing shoe..
				Observe no drag.
4:45	5:00	0:15	RR	Work on drawworks drum to adjust wraps. Flow check. OK
5:00	6:00	1:00	Trip	RIH to 2914m Backload 13 cutting sips to KAIKO

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP
3	12-1/4"	Hycalog	RSX519S-D2	S422	218338	2x15,5x14	2,798.0	2,884.0	86.0	5.94	3	10	140	160	122								

BHA RECORD / CORE BARREL TYPE

BHA No. 3 12-1/4"PDC bit x Power V x F/sub x 12"stab x 8"NM pony x MWD x 8"NMDC x 8-1/2"DC(5) x 7-3/4"Mechanical Jar x 8-1/2"DC(5) x 5-1/2" S-140(25std)

x 5-1/2"DP S-150

String Wt.(kN) @2879 mBRT

String total w/ HPS&TB	2108
Pick up Weight w/ HPS&TB	2110
Slack off weight w/ HPS&TB	2100
HPS & Traveling Block	690
BHA below Jar	150

MUD PROPERTIES

Mud Type	Time	Depth(mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cl-	K+	Content Oil	W	S	LGS	PPG	MBC	n	K	Temp In	Temp Out
KNPP	6:15	2,761	1.08	98	36	39	7	9	4.6	0.5	10.1	0.1	59,800	22,000						0.5	0.57	2.09	15	16
KNPP	15:45	2,991	1.07	100	32	37	7	7	4.4	0.5	10.7	0.1	61,100	22,500						0.5	0.55	2.2	22	24

CUTTING SKIP

Available	31
Full	11
Back up	2
S.Boat	1
Shingu	5
Total	50

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	84	#5	10	84
#3	10	165/145	#6	10	165/145

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

		Daily	Total	Eff.			Daily	Total
Process	Concentrated				Generated Vol.	Distilled Water		
Vol.	Solidification					Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP
1	6	70	700	12.6	24.1	20.2
2	6	70				
3	6	30	150			

Mud Gas

Base (%)	Max. (%)	Depth (m)
0	11	3,044
Trip Gas		
Conn. Gas		

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	220,800
Kingie-VO (Bulk)	0	2,860	16,700
NaOH	0	0	1,700
KOH	0	175	2,400
Lime	0	0	950
Soda Ash	0	0	1,600
Tel-Polymer(H)	0	200	860
Tel-Polymer(L)	0	520	2,380
Tel-Polymer DX	0	800	3,200
XCD-Polymer	0	0	1,000
Xian-Vis	0	125	700
NaCl (Bag)	0	5,000	49,000
KCL (Bag)	6,000	4,000	12,000
Clean Lube (L)	4,000	2,000	8,600
Clean Lube	0	0	3,200
Tel-DD	0	200	600
Lignite NC	0	0	3,600
Telnite GXL	0	0	270
Speeder (P)	0	0	1,700
Speeder (X)	0	0	1,700
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0	0	500/1000
Tel Mica C/M/F	0	0	500/500/1000
Tel Plug C/M/F	0	0	500/500/1000
EZ Drill	0	0	0

HELICOPTER INFORMATION (JA6655)

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	8:54	8:59	4	4
2				
3				
4				
5				

LEAK OFF TEST DATA

Leak off Test On	25-Jun.-2009
Lopes. @Surface	105psi
Leaked off EMW @shoe	1.116sg
Ruptured EMW @shoe	not observed

KICK TOLERANCE

Max. Allow CSG Press.	
Kick Tolerance	

BOP TESTS

Last Test On	22-Jun-05
Annular BOPs To	3000psi (20.6Mpa)
Ram BOPs To	3000psi (20.6Mpa)

PERSONNEL @24:00

CDEX	9
MQJ Crew	88
MQJ(Other)	1
MWJ	13
Scientist	14
Sub Con.	
Schlumberger	7
Mud Logging	6
MI-Swaco	4
ROV	3
Telnite	2
Vetco Gray	0
NOV	1
Core Tech.	2
Vendors	0
Others	0
Total	150

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

Hold general safety meeting.
Conduct area inspection for shaker room, sack room, cutting transfer system, mud circulation system

GEOLOGIC INFORMATION

From	To	Lithology
2884	2920	Clyst:60-70%, Sst:30-40%
2920	2950	Clyst:50-70%, Sst:30-50%
2950	3025	Clyst:80-90%, Sst:10-20%
3025	3070	Clyst:90%, Sst:10%

MARINE INFORMATION @24:00

Heave (m)	0.5
Pitch (deg)	0.5
Roll (deg)	0.3
Vessel Heading (deg)	220.0
Drift (m)	0.4
Riser Tension (kN)	7,931.0
V.D. Load (Moon)	11,803.5
Max Draught (m)	9.2
Thruster (kW)	1,443
No. of transponders	10

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	0	66	199
Potable Water m3	0	4	205
Drill Water m3	104	67	1,655
Fuel m3	0	48.1	5,677.5
Lube, Oil Ltrs	0	400	74,500
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	0
Cement "DEEP CRETE" ton	0	0	12.5
Cement "LWC" ton	0	0	27.5

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Shingu		
#7KAIKO	Chikyu	20:45	
Heisei Maru	Chikyu		

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(kts)	CURRENT Dir. (deg)	VISIBILITY (km)
0:00	o	25	21.6	1008.6	11.8	203	12.7	1.1	210	5.4	0.6	300	15

TODAY'S SCHEDULE : **Drill 12-1/4"pilot hole.**

REPORTED BY : Y.Masumoto / Y.Kawano

APPROVED BY : T.Abe

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 52

HOLE NAME :	C0009A	**SITE NAME :**	NT2-11B	**Exp. :**	319	**REPORT DATE :**	1/Jul/2005
DEPTH : @24:00	3,310.0 mBRT	1,227.7 mbsf	PROGRESS : 222.0m	Water Depth :	2,082.3 mBRT (2054 mMSL)	RT-MSL : 28.3 m	SINCE MOVE : 50
@06:00	3,407.0 mBRT	1,324.7 mbsf		DRILLING/CORING Hrs. :	12.50 hrs	LAST CASING : 20" x 703.9 mbsf	

SUMMARY OF OPERATION: **Circulation, Short trip to 20"casing shoe, Drill 12-1/4"hole**

PRESENT OPERATION @06:00 on **1-Jul** : **Circulation bottom's up @ 3407m**

mBRT: meter below rotary table
mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **30-Jun**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	3:00	3:00	C&C	Circulation bottom's up at 3088m Pump:700gpm x 13.1Mpa, HPS:100-80rpm, Observe exccesive cuttings on shaker.
3:00	3:15	0:15	Trip	Flow check, OK
3:15	4:15	1:30	Trip	Short trip to 2762m inside 20"casing shoe.. Observe no drag.
4:15	4:45	0:15	RR	Work on drawworks drum to adjust wraps. Flow check. OK
4:45	6:45	1:00	Trip	RIH to 2914m observe no drag
6:45	7:30	0:45	Other	Change out MWD depth line and take survey. Wash down to the bottom, No fill.
7:30	18:00	8:30	DRL	Drill 12-1/4"hole from 3088m to 3252m (164m) WOB: 2-11kN, Pump: 700gpm x 13.5Mpa, HPS: 160spm x 3-14kN, boost riser w/250gpm Mud gas: 10.5%,@,3162m, 34.5%,@,3206m
18:00	19:00	1:00	C&C	Pick up off bottom mud gas and circulate till Mud Gas comes down to 6.5% Flow check,OK
19:00	21:00	2:00	DRL	Drill 12-1/4"hole from 3252m to 3281m (29m) WOB: 0-11kN, Pump: 700gpm x 13.7Mpa, HPS: 160rpm x 3-16kN, boost riser w/250gpm, Mud gas:15.9% @3242m, 12.2% @3261m Observe sever stick slip @ 3281m, pick up off bottom
21:00	22:00	1:00	C&C	Circulate working pipe to clean hole. Exccesive cuttings on shaker. Pump: 700gpm x 13.7Mpa, HPS 100-120rpm x 3-4kN
22:00	0:00	2:00	DRL	Drill 12-1/4"hole from 3252m to 3310m (58m) WOB: 0-11kN, Pump: 700gpm x 13.8Mpa, HPS: 160rpm x 3-16kN, boost riser w/250gpm
				Lost circulation rate:0.9m3/hr, Total lost volume today : 16.8m3 Dilution rate: 2.7m3/hr, Total volume: 42.5m3,

MWD Survey record

Depth	Inclination
mBRT	deg.
3083.6	0.06
3122.1	0.09
3159.1	0.03
3198.3	0.10
3237.1	0.14
3274.3	0.15
3313.2	0.12
3350.8	0.09

TIME BREAKDOWN (00:00 - 06:00 on 1-Jul) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	5:45	5:45	DRL	Drill 12-1/4"pilot hole from 3310m to 3407m WOB:0.1-48.5kN, Pump:700gpm x 14.5Mpa, HPS:160rpm x 5-9kNm, boost riser w/250gpm Ave. ROP: 22.5m/hr, Mud gas: base: 0.5-1.0% Observe gas peak:23.5% @ 3347.6m and slightly gas cut mud return (1.05sg).
5:45	6:00	0:15	C&C	Stop drilling and pick up off bottom. Flow check, OK Backload 8 cutting sips to KAIKO Lost circulation rate: 0.7m3, Total lost volume : 4.0m3

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP
3	12-1/4"	Hycalog	RSX519S-D2	S422	218338	2x15,5x14	2,798.0	3,314.0	516.0	25.3	1	22	130	160	615								

BHA RECORD / CORE BARREL TYPE

BHA No. 3 12-1/4"PDC bit x Power V x F/sub x 12"stab x 8"NM pony x MWD x 8"NMDC x 8-1/2"DC(5) x 7-3/4"Mechanical Jar x 8-1/2"DC(5) x 5-1/2" S-140(25std)
x 5-1/2"DP S-150
:

String Wt.(kN)	@3280 mBRT
String total w/ HPS&TB	2200
Pick up Weight w/ HPS&TB	2210
Slack off weight w/ HPS&TB	2190
HPS & Traveling Block	690
BHA below Jar	150

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	W	S	Sand %	PPG	MBC	n	K	Temp In	Out
KNPP	12:00	3,158	1.08	90	34	38	7	9	4.5	0.5	10.4	0.2	58,600	21,400	0	94	6	0.3		0.5	0.56	2.22	14	
KNPP	21:00	3,280	1.08	97	32	39	8	9	4.4	0.5	11.1	0.2	58,600	23,000	0	94	6	0.3		0.5	0.55	2.24	22	24

CUTTING SKIP

Available	33
Full	0
Back up	2
S.Boat	8
Shingu	7
Total	50

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	84	#5	10	165/145
#3	10	165/145	#6	10	165/145

Solid Control System

	#1	#2	#3
Mud Cleaner	on	on	
Centrifuge	on	on	off

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT (unit: kg)

Process Vol.	Daily	Total	Eff.	**Generated Vol.**	Daily	Total
Concentrated				Distilled Water		
Solidification				Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	DP	ECD @ shoe
1	6	70	700	13.8	67	43.6	1.088sg
2	6	70					
3	6	30	250				

Mud Gas

Base (%)	Max. (%)	Depth (m)
1.0	35	3,206.8
Trip Gas		–
Conn. Gas		–

MUD MATERIALS on BOARD @24:00hrs

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	220,800
Kingie-VO (Bulk)	0	0	16,700
NaOH	0	0	1,700
KOH	0	100	2,300
Lime	0	0	950
Soda Ash	0	0	1,600
Tel-Polymer(H)	0	80	780
Tel-Polymer(L)	0	0	2,380
Tel-Polymer DX	0	0	3,200
XCD-Polymer	0	0	1,000
Xian-Vis	0	0	700
NaCl (Bag)	0	0	49,000
KCL (Bag)	0	2,000	10,000
Clean Lube (L)	0	0	8,600
Clean Lube	0	0	3,200
Tel-DD	0	0	600
Lignite NC	0	0	3,600
Telnite GXL	0	0	270
Speeder (P)	0	0	1,700
Speeder (X)	0	0	1,700
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0	0	500/1000
Tel Mica C/M/F	0	0	500/500/1000
Tel Plug C/M/F	0	0	500/500/1000
EZ Drill	0	0	0

HELICOPTER INFORMATION (JA6655)

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	9:22	9:28	7	7
2	11:07	11:09	1	1
3				
4				

LEAK OFF TEST DATA

Leak off Test On	25-Jun.-2009
Lopes. @Surface	105psi
Leaked off EMW @shoe	1.114sg
Ruptured EMW @shoe	not observed

KICK TOLERANCE

Max. Allow CSG Pre.	
Kick Tolerance	

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

BOP TESTS

Last Test On	22-Jun-05
Annular BOPs To	3000psi (20.6Mpa)
Ram BOPs To	3000psi (20.6Mpa)

PERSONNEL @24:00

CDEX	9
MQJ Crew	88
MQJ(Other)	1
MWJ	13
Scientist	14
Sub Con.	
SLB D&M	4
SLB W/L	1
SLB CMT	1
Mud Logging	6
MI-Swaco	4
ROV	3
Telnite	2
Vetco Gray	
NOV	1
Core Tech.	2
Vendors	1
Others	
Total	150

GEOLOGIC INFORMATION

From	To	Lithology
3070	3085	Clyst:95%, Basalt:5%
3085	3135	Clyst:80-95%, Sst:5%, Basalt:5-10%
3135	3155	Clyst:80-85%, Sst:5%, Basalt:20%
3155	3170	Clyst:70-80%,Sltst:5-10%,Sst:5%,Basalt:20%
3170	3270	Clyst:40-60%,Sltst:30-40%,Sst:5%,Basalt:10-20%

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	33	81	151
Potable Water m3	0	2	203
Drill Water m3	72	2	1,725
Fuel m3	0	48.7	5,628.8
Lube, Oil Ltrs	0	1000	73,500
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	0
Cement "DEEP CRETE" ton	0	0	12.5
Cement "LWC" ton	0	0	27.5

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Shingu	3:12	20:20
#7KAIKO	Chikyu		
Heisei Maru	Chikyu		

MARINE INFORMATION @24:00

Heave (m)	0.6
Pitch (deg)	0.4
Roll (deg)	0.3
Vessel Heading (deg)	240.0
Drift (m)	0.3
Riser Tension (kN)	7,960.0
V.D. Load (Moon)	11,765.3
Max Draught (m)	9.1
Thruster (kW)	865
No. of transponders	10

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	SW	Barometer (hPa)	WIND Speed(m/s)	Dir. (deg)	Gust (m/s)	WAVE Height(m)	Dir. (deg)	Period (s)	CURRENT Speed(kts)	Dir. (deg)	VISIBILITY (km)
0:00	c.	24	22.1	1006.5	12.8	236	13.7	1.7	220	6.7	0.4	262	12

TODAY'S SCHEDULE : **Circulation & bottom's up, Short trip to 3088m, Resume 12-1/4"pilot hole to coring point (3593mBRT)**

REPORTED BY : Y.Masumoto / Y.Kawano
APPROVED BY : T.Abe

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 53

HOLE NAME :	C0009A	**SITE NAME :**	NT2-11B	**Exp. :**	319	**REPORT DATE :**	2/Jul/2005
DEPTH : @24:00	3,407.0 mBRT	1,324.7 mbsf	PROGRESS : 97.0m	Water Depth :	2,082.3 mBRT (2054 mMSL)	RT-MSL : 28.3 m	SINCE MOVE : 51
@06:00	3,487.0 mBRT	1,404.7 mbsf		DRILLING/CORING Hrs. :	6.00 hrs	LAST CASING : 20" x 703.9 mbsf	

SUMMARY OF OPERATION: **Drill 12-1/4"hole, Circulation bottom's up, Short trip, Repair and commissioing on HPS, Run back to bottom, Drilling 12-1/4"hole.**

PRESENT OPERATION @06:00 on 2-Jul : Drill 12-1/4"hole

mBRT: meter below rotary table
mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on 1-Jul)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	6:00	6:00	DRL	Drill 12-1/4"pilot hole from 3310m to 3407m (97m)
				WOB:1-48kN, Pump:700gpm x 14.5Mpa, HPS:160rpm x 5-9kNm, boost riser w/250gpm
				Ave. ROP: 22.5m/hr, Mud gas: base: 0.5-1.0%
				Observe gas peak:23.5% (from 3347.6m) @3407m and slightly gas cut mud return (1.05sg).
6:00	6:15	0:15	Other	Stop drilling and pick up off bottom.
				Flow check, OK
6:15	11:00	4:45	C&C	Circulation bottom's up. Pump:700gpm x 14Mpa. boost riser w/200gpm. Ream up 100rpm/ down 120rpm.
				Flow check, OK Mud gas : Base 0.2%
11:00	12:45	1:45	Other(N)	Attempt to break drill pipe from HPS without success due to worn die of torque wrench.
				Back off drill pipe using rotary tong.
				Flow check, OK
12:45	14:45	2:00	Trip	POOH to 2762m (inside 20"casing) to replace torque wrench die.
				Overpull 70kN @3361m, 30-40kN @3287-83m. Hole conditon is good above 3283m
14:45	15:00	0:15	Other	Flow check, OK.
15:00	20:15	5:15	Other	Hold TBRA. Remove Pipe Handler and replace dies. Function test ,OK. Meanwhile monitor well on trip tank. Lost circulation rate:0.6m3/hr
20:15	23:30	3:15	Trip	RIH from 2762m to 3373m. Connect HPS and break circ. Take SCR.
23:30	23:45	0:15	W & R	Pump down w/40spm. Observe 20-30kN slack off weight and increase pump speed to 140spm @3384m.
23:45	0:00	0:15	W & R	Pump down w/140spm from 3384m to 3406m. Observe 20-30kN slack off weight and start reaming w/160rpm.
				Ream down to bottom (3407mbrt).
				Lost circulation rate:1.0m3/hr, Total lost volume today : 25.3m3

MWD Survey record

Depth	Inclination
mBRT	deg.
3313.2	0.12
3350.8	0.09
3386.6	0.10
3428.7	0.14

TIME BREAKDOWN (00:00 - 06:00 on 2-Jul) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	6:00	6:00	DRL	Drill 12-1/4" pilot hole from 3407m to 3487m (80m)
				WOB:1-25kN, Pump:700gpm x 14.7Mpa, HPS:160rpm x 5-6kNm, boost riser w/250gpm
				Ave. ROP: 23.4m/hr, Mud gas: base: 0.5-1.0%
				Drop carbide for lag test @ 3452m
				Lost circulation rate:1.0m3/hr, Lost volume (0:00-6:00) : 6.1m3
				Backload 6 cutting skips to KAIKO

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP
3	12-1/4"	Hycalog	RSX519S-D2	S422	218338	2x15,5x14	2,798.0	3,407.0	609.0	29.9	1	48	151	162	705								

BHA RECORD / CORE BARREL TYPE

BHA No. 3 12-1/4"PDC bit x Power V x F/sub x 12"stab x 8"NM pony x MWD x 8"NMDC x 8-1/2"DC(5) x 7-3/4"Mechanical Jar x 8-1/2"DC(5) x 5-1/2" S-140(25std)
x 5-1/2"DP S-150
:

String Wt.(kN) @3407 mBRT

String total w/ HPS&TB	2200
Pick up Weight w/ HPS&TB	2210
Slack off weight w/ HPS&TB	2190
HPS & Traveling Block	690
BHA below Jar	150

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	W	S	Sand %	PPG	MBC	n	K	Temp In	Out
KNPP	6:45	3,388	1.08	91	34	36	7	8	4.4	0.5	10.4	0.1	57,500	23,200	0	94	6	0.4		0.5	0.57	1.99	12	24
KNPP	20:30	2,759	1.08	93	33	36	8	8	4.4	0.5	10.6	0.1	58,200	25,300	0	94	6	0.3		0.5	0.56	2.05	13	

Dilution rate: 5.7m3/hr
Dilution volume: 34.4m3/day

CUTTING SKIP

Empty	35
Full	0
Back up	2
S.Boat	8
Shingu full	0
empty	5
Total	15

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/146	#5	10	165/145
#3	10	165/146	#6	10	165/145

	Desander	Mudcleaner	Centrifuge
#1	off	on	on
#2	off	on	on
#3			off

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.	Generated Vol.	Daily	Total
Concentrated				Distilled Water		
Solidification				Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	DP	ECD @ shoe
1	6	70	700	13.8	67	43.6	1.088sg
2	6	70					
3	6	30	250				

Mud Gas

	Base (%)	Max. (%)	Depth (m)
	0.5-1.0	23	3,347.6
Trip Gas			–
Conn. Gas			–

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	220,800
Kingie-VO (Bulk)	0	0	16,700
NaOH	0	0	1,700
KOH	0	0	2,300
Lime	0	0	950
Soda Ash	0	0	1,600
Tel-Polymer(H)	0	100	680
Tel-Polymer(L)	0	0	2,380
Tel-Polymer DX	0	0	3,200
XCD-Polymer	0	0	1,000
Xian-Vis	0	0	700
NaCl (Bag)	0	0	49,000
KCL (Bag)	0	0	10,000
Clean Lube (L)	0	0	8,600
Clean Lube	0	0	3,200
Tel-DD	0	0	600
Liqnite NC	0	0	3,600
Telnite GXL	0	0	270
Speeder (P)	0	0	1,700
Speeder (X)	0	0	1,700
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0	0	500/1000
Tel Mica C/M/F	0	0	500/500/1000
Tel Plug C/M/F	0	0	500/500/1000
EZ Drill	0	0	0

HELICOPTER INFORMATION (JA6655)

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	9:04	9:11	8	8
2	10:55	11:00	8	8
3	12:33	12:40	5	5
4				

LEAK OFF TEST DATA

Leak off Test On	25-Jun.-2009
Lopes. @Surface	105psi
Leaked off EMW @shoe	1.114sg
Ruptured EMW @shoe	not observed

BOP TESTS

Last Test On	22-Jun-05
Annular BOPs To	3000psi (20.6Mpa)
Ram BOPs To	3000psi (20.6Mpa)

KICK TOLERANCE

Max. Allow CSG Pre.	
Kick Tolerance	

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

GEOLOGIC INFORMATION

From	To	Lithology
3280	3300	Clyst:50-60%, Sltst:25-40%, Sst:5%, Coal:5-20%
3300	3330	Clyst:40-70%, Sltst:20-50%, Sst:5%, Coal:5%
3330	3405	Clyst:70-80%, Sltst:10-20%, Sst:5%, Basalt:5%, Coal:5%
3405	3410	Clyst:50-70%, Sltst:15-40%, Sst:5-5%

PERSONNEL @24:00

CDEX	8
MQJ Crew	87
MQJ(Other)	1
MWJ	14
Scientist	14
Sub Con.	
SLB D&M	4
SLB W/L	1
SLB CMT	1
Mud Logging	6
MI-Swaco	4
ROV	3
Telnite	2
Vetco Gray	
NOV	1
Core Tech.	2
Vendors	1
Others	
Total	149

MARINE INFORMATION @24:00

Heave (m)	0.4
Pitch (deg)	0.3
Roll (deg)	0.4
Vessel Heading (deg)	220.0
Drift (m)	0.8
Riser Tension (kN)	7,882.0
V.D. Load (Moon)	11,746.5
Max Draught (m)	9.2
Thruster (kW)	1,170
No. of transponders	10

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	107	68	190
Potable Water m3	0	4	199
Drill Water m3	0	15	1,710
Fuel m3	0	48.4	5,580.4
Lube, Oil Ltrs	0	0	73,500
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	0
Cement "DEEP CRETE" ton	0	0	12.5
Cement "LWC" ton	0	0	27.5

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Chikyu		
#7KAIKO	Chikyu	19:00	
Heisei Maru	Katuura		14:15

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	SW	Barometer (hPa)	WIND Speed(m/s)	Dir. (deg)	Gust (m/s)	WAVE Height(m)	Dir. (deg)	Period (s)	CURRENT Speed(kts)	Dir. (deg)	VISIBILITY (km)
0:00	c	25	2.3	1002.6	15.9	233	18.3	2.4	220	6.8	0.1	123	10

TODAY'S SCHEDULE : **Drill 12-1/4"hole to 3592m , Circ.& bottom up , Short trip to 3400m, POOH**

REPORTED BY : D.Ikenomoto / Y.Kawano
APPROVED BY : T.Abe

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 54

HOLE NAME :	C0009A	**SITE NAME :**	NT2-11B	**Exp. :**	319			**REPORT DATE :**	3/Jul/2005		
DEPTH : @24:00	3,592.0 mBRT	1,509.7 mbsf	PROGRESS : 185.0m	Water Depth :	2,082.3 mBRT (2054 mMSL)	RT-MSL :	28.3 m			SINCE MOVE :	52
@06:00	3,592.0 mBRT	1,509.7 mbsf		DRILLING/CORING Hrs. :	12.50 hrs	LAST CASING :	20" x	703.9 mbsf			

SUMMARY OF OPERATION **Drilling 12-1/4"hole./ Short trip to 3588m / POOH to 20"shoe to replace Wash pipe**

PRESENT OPERATION @06:00 on **3-Jul** : **POOH 12-1/4"drilling BHA**

mBRT: meter below rotary table
mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **2-Jul**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	12:45	12:45	DRL	Drill 12-1/4" pilot hole from 3407m to 3592m (185m)
				WOB:2-27kN, Pump:700gpm x 14.7Mpa, HPS:135-160rpm x 4.9-6.8kNm, boost riser w/500gpm
				Ave. ROP: 21.61m/hr, Mud gas peak:4.28% @3465.6m, base: 0.5-1.0% (3407-3447m), 0.1-0.2% (3447-3592m)
				Drop carbide for lag test @ 3452m
12:45	16:45	4:00	C & C	Circulate and bottom's up. Eccessive cuttings on shaker
16:45	17:00	0:15	Other	Flow check. OK.
17:00	19:15	2:15	Trip	Conduct short trip to 3373m. Observe over pull 40-60kN (3492m-3470m)
19:15	19:30	0:15	Other	Flow check. Grease wash pipe.
19:30	20:30	1:00	Trip	RIH from 3373m to 3565m. Observe no drag.
20:30	21:00	0:30	W & R	Connect HPS. Pump down from 3572m to 3588m w/300gpm. Observe 50kN drag.
				Start reaming @ 3588m w/700gpm x 15.2Mpa, 80rpm. Observe mud leakage from HPS wash pipe.
21:00	22:45	1:45	Other	Stop reaming. Disconnect HPS and rack back 1std. Pick string, observe over pull 120kN.
				Make up 1std from derrick and wipe and wash clear single. Rack back 1 std again. Connect HPS and attempt to grease wash pipe.
				Start pumping w/150gpm x 2.3Mpa, observe leakage mud from wash pipe.
				Decision is made to pick up to 20"casing shoe.
22:45	23:00	0:15	Other	Flow check. OK.
23:00	0:00	1:00	Trip	POOH from 3562m to 3318m No drag
				Lost circulation rate:0.8m3/hr, Total lost volume today : 20.4m3

MWD Survey record

Depth	Inclination
mBRT	deg.
3428.7	0.14
3466.4	0.11
3503.8	0.06
3541.2	0.06
3568.3	0.10
3592.0	0.10

TIME BREAKDOWN (00:00 - 06:00 on 3-Jul) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	1:45	6:00	DRL	POOH from 3318m to 2761m No drag
1:45	5:30	3:45	RR	Replace HPS wash pipe.
				Pressure test w/24.6Mpa x 10min, OK
				meanwhile monitor well on trip tank.
5:30	6:00	0:30	TRIP	POOH
				Lost circulation rate:0.3m3/hr, Lost volume 1.8m3
				Backload 6 cutting skips to KAIKO

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP
3	12-1/4"	Hycalog	RSX519S-D2	S422	218338	2x15,5x14	2,798.0	3,592.0	794.0	38.5	2	27	135	160	837								CP

BHA RECORD / CORE BARREL TYPE

BHA No. 3 12-1/4"PDC bit x Power V x F/sub x 12"stab x 8"NM pony x MWD x 8"NMDC x 8-1/2"DC(5) x 7-3/4"Mechanical Jar x 8-1/2"DC(5) x 5-1/2" S-140(25std)
x 5-1/2"DP S-150

String Wt.(kN) @3592 mBRT

String total w/ HPS&TB	2250
Pick up Weight w/ HPS&TB	2280
Slack off weight w/ HPS&TB	2230
HPS & Traveling Block	690
BHA below Jar	150

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.	WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	W	S	Sand %	PPG	MBC	n	K	Temp In	Out
KNPP	9:50	2,546	1.08	90	35	38	7 8	4.2	0.5	10.5	0.1	60,400	24,800	0	94	6	0.2		0.5	0.57	2.15	13	11
KNPP	16:00	3,592	1.08	89	34	35	8 8	4.3	0.5	10.9	0.2	59,300	25,300	0	94	6	0.2		0.5	0.58	1.88	12	11

Dilution rate	
4.8m3/hr	
Dilution volume	
34.6m3/hr	

CUTTING SKIP

Empty	35
Full	0
Back up	2
S.Boat	8
Shingu full	0
empty	5
Total	50

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/146	#5	10	165/145
#3	10	165/145	#6	10	165/145

	Desander	Mudcleaner	Centrifuge
#1	off	off	on
#2	off	off	on
#3			off

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.	Generated Vol.	Daily	Total
Concentrated				Distilled Water		
Solidification				Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	DP	ECD @ shoe
1	6	70	700	15.2	67	43.6	1.088sg
2	6	70					
3	6	50	250				

Mud Gas

Base (%)	Max. (%)	Depth (m)
0.1-0.2	4.3	3,436.2
Trip Gas		–
Conn. Gas		–

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	1,400	219,400
Kingie-VO (Bulk)	0	0	16,700
NaOH	0	0	1,700
KOH	0	50	2,250
Lime	0	0	950
Soda Ash	0	0	1,600
Tel-Polymer(H)	0	0	680
Tel-Polymer(L)	0	0	2,380
Tel-Polymer DX	0	0	3,200
XCD-Polymer	0	0	1,000
Xian-Vis	0	0	700
NaCl (Bag)	0	0	49,000
KCL (Bag)	0	0	10,000
Clean Lube (L)	0	0	8,600
Clean Lube	0	0	3,200
Tel-DD	0	0	600
Lignite NC	0	0	3,600
Telnite GXL	0	0	270
Speeder (P)	0	0	1,700
Speeder (X)	0	0	1,700
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0	0	500/1000
Tel Mica C/M/F	0	0	500/500/1000
Tel Plug C/M/F	0	0	500/500/1000
EZ Drill	0	0	0

HELICOPTER INFORMATION (JA6655)

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1				
2				
3				
4				

LEAK OFF TEST DATA

Leak off Test On	25-Jun.-2009
Lopes. @Surface	105psi
Leaked off EMW @shoe	1.114sg
Ruptured EMW @shoe	not observed

BOP TESTS

Last Test On	22-Jun-05
Annular BOPs To	3000psi (20.6Mpa)
Ram BOPs To	3000psi (20.6Mpa)

KICK TOLERANCE

Max. Allow CSG Pre.	
Kick Tolerance	

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

GEOLOGIC INFORMATION

From	To	Lithology
3405	3410	Clyst:50-80%, Sltst:10%, Sst:5%, Coal:5%
3415	3592	Clyst:100%,

PERSONNEL @24:00

CDEX	8
MQJ Crew	87
MQJ(Other)	1
MWJ	14
Scientist	14
Sub Con.	
SLB D&M	4
SLB W/L	1
SLB CMT	1
Mud Logging	6
Mi-Swaco	4
ROV	3
Telnite	2
Vetco Gray	
NOV	1
Core Tech.	2
Vendors	1
Others	
Total	149

MARINE INFORMATION @24:00

Heave (m)	0.3
Pitch (deg)	0.3
Roll (deg)	0.2
Swell	1.5
Vessel Heading (deg)	240.0
Drift (m)	0.1
Riser Tension (kN)	7,872.0
V.D. Load (Moon)	11,712.8
Max Draught (m)	9.2
Thruster (kW)	586
No. of transponders	10
Engine output	4450kw
	P :29%, S:18%

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	105	71	224
Potable Water m3	0	3	196
Drill Water m3	0	65	1,645
Fuel m3	0	47.4	5,533.0
Lube, Oil Ltrs	0	0	73,500
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	0
Cement "DEEP CRETE" ton	0	0	12.5
Cement "LWC" ton	0	0	27.5

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Shingu	19:30	22:40
#7KAIKO	Chikyu		
Heisei Maru	Chikyu		

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	SW	Barometer (hPa)	WIND Speed(m/s)	Dir. (deg)	Gust (m/s)	WAVE Height(m)	Dir. (deg)	Period (s)	CURRENT Speed(kts)	Dir. (deg)	VISIBILITY (km)
0:00	hc	22.5	22.2	1004.9	10.6	256	11	1.5	23	6.7	0.5	167	15

TODAY'S SCHEDULE : **POOH, Make up and run coring BHA, Test core line wiper**

REPORTED BY : D.Ikenomoto / Y.Kawano
APPROVED BY : T.Abe

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 55

HOLE NAME :	C0009A	**SITE NAME :**	NT2-11B	**Exp. :**	319	**REPORT DATE :**	4/Jul/2005

DEPTH : @24:00 **3,592.0** mBRT **1,509.7** mbsf PROGRESS : Water Depth : **2,082.3** mBRT (**2054** mMSL) RT-MSL : **28.3** m SINCE MOVE : **53**

@06:00 **3,592.0** mBRT **1,509.7** mbsf DRILLING/CORING Hrs. : **0.00** hrs LAST CASING : **20"** x **703.9** mbsf

SUMMARY OF OPERATION **POOH to 20"shoe / Replace Wash pipe / POOH / Make up 10-5/8" RCB coring Assembly**

PRESENT OPERATION @06:00 on **4-Jul** : **RIH 10-5/8"RCB coring BHA**

mBRT: meter below rotary table

mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **3-Jul**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	1:45	6:00	DRL	POOH from 3318m to 2761m (inside 20"casing) No drag
1:45	2:00	0:15	Other	Flow Check. OK
2:00	5:30	3:45	RR	Hold TBRA and replace HPS wash pipe. Pressure test 24.6Mpa x 10min. OK. Meanwhile monitor well on trip tank.
5:30	7:00	1:30	TRIP	POOH to from 2761m to 2225m.
7:00	7:15	0:15	Other	Flow Check. OK
7:15	14:00	6:45	TRIP	Continue to POOH to surface.
14:00	16:30	2:30	TRIP	Break off Bit. Lay down Power V ,12" stabilizer, MWD. Rack back 8-1/2"DC stands.
16:30	17:00	0:30	Other	Tidy rig floor. Hold TBRA for RIH 10-5/8" RCB coring Assembly.
17:00	18:45	1:45	TRIP	Make up 10-5/8" RCB core barrel and bit.
18:45	0:00	5:15	TRIP	Assemble inner barrel and space out same. Install mouse holes .
				Space out inner barrel. Install mouse holes .
				Lost circulation rate:0.5m3/hr, Total lost volume today : 13.5m3

TIME BREAKDOWN (00:00 - 06:00 on 4-Jul) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	2:30	2:30	TRIP	Space out inner barrel and center bit assembly.
2:30	6:00	3:30	TRIP	Make up coring BHA
				Pick up 8-1/2"coring DC and Coring Jar.
				Lost circulation rate:0.2m3/hr, Lost volume 1.1m3
				Backload 1 cutting skips to KAIKO

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP
3	12-1/4"	Hycalog	RSX519S-D2	S422	218338	2x15,5x14	2,798.0	3,592.0	794.0	38.5	2	27	135	160	837	1	0	WT	N	-	I	TR,PN	CP
4	10-5/8"	Maikai	KM41S		8110*	5x14																	

BHA RECORD / CORE BARREL TYPE

BHA No.	
3	12-1/4"PDC bit x Power V x F/sub x 12"stab x 8"NM pony x MWD x 8"NMDC x 8-1/2"DC(5) x 7-3/4"Mechanical Jar x 8-1/2"DC(5) x 5-1/2" S-140(25std) x 5-1/2"DP S-150
4	10-5/8"PDC core bit x bit sub(w/10-5/8"stab) x outer core barrel x Top sub x Head sub x 10-5/8"core stab x 8-1/2"coring DC(5) x Coring Jar x 8-1/2"coring DC(5) x X-O x 5-1/2" S-140

String Wt.(kN)	mBRT
String total w/ HPS&TB	
Pick up Weight w/ HPS&TB	
Slack off weight w/ HPS&TB	
HPS & Traveling Block	690
BHA below Jar	95

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.	WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	W	S	Sand %	PPG	MBC	n	K	Temp In	Out	Dilution rate
KNPP	18:00	PIT	1.08	107																				

CUTTING SKIP

Empty	42
Full	0
Back up	2
S.Boat	1
Shingu full	0
empty	5
Total	50

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/146	#5	10	165/145
#3	10	165/145	#6	10	165/145

	Desander	Mudcleaner	Centrifuge
#1	off	off	on
#2	off	off	on
#3			off

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.	Generated Vol.	Daily	Total
Concentrated				Distilled Water		
Solidification				Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	DP	ECD @ shoe
1	6				0	0.0	
2	6						
3	6						

Mud Gas

	Base (%)	Max. (%)	Depth (m)
Trip Gas			–
Conn. Gas			–

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	9,800	209,600
Kingie-VO (Bulk)	0	0	16,700
NaOH	0	0	1,700
KOH	0	125	2,125
Lime	0	0	950
Soda Ash	0	0	1,600
Tel-Polymer(H)	0	120	560
Tel-Polymer(L)	0	520	1,860
Tel-Polymer DX	0	960	7,240
XCD-Polymer	0	0	1,000
Xian-Vis	0	125	575
NaCl (Bag)	0	3,000	46,000
KCL (Bag)	0	5,000	9,000
Clean Lube (L)	0	1,800	10,000
Clean Lube	0	0	6,000
Tel-DD	0	400	200
Lignite NC	0	0	3,600
Telnite GXL	0	0	270
Speeder (P)	0	0	1,700
Speeder (X)	0	0	1,700
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0	0	500/1000
Tel Mica C/M/F	0	0	500/500/1000
Tel Plug C/M/F	0	0	500/500/1000
EZ Drill	0	0	0

HELICOPTER INFORMATION (JA6655)

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	9:06	9:13	8	8
2	10:41	10:44	0	1
3				
4				

LEAK OFF TEST DATA

Leak off Test On	25-Jun.-2009
Lopes. @Surface	105psi
Leaked off EMW @shoe	1.114sg
Ruptured EMW @shoe	not observed

BOP TESTS

Last Test On	22-Jun-05
Annular BOPs To	3000psi (20.6Mpa)
Ram BOPs To	3000psi (20.6Mpa)

KICK TOLERANCE

Max. Allow CSG Pre.	
Kick Tolerance	

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

GEOLOGIC INFORMATION

From	To	Lithology

PERSONNEL @24:00

CDEX	8
MQJ Crew	87
MQJ(Other)	1
MWJ	14
Scientist	14
Sub Con.	
SLB D&M	3
SLB W/L	3
SLB CMT	1
Mud Logging	6
Mi-Swaco	4
ROV	3
Telnite	2
Vetco Gray	
NOV	1
Core Tech.	1
Vendors	
Others	
Total	148

MARINE INFORMATION @24:00

Heave (m)	0.3
Pitch (deg)	0.3
Roll (deg)	0.2
Swell (m)	0.8
Vessel Heading (deg)	240.0
Drift (m)	0.6
Riser Tension (kN)	7,836.0
V.D. Load (Moon)	11,549.3
Max Draught (m)	9.2
Thruster (kW)	2,600
No. of transponders	10
Engine output(kW)	5,600
	P :33%, S:24%

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	105	64	265
Potable Water m3	0	3	193
Drill Water m3	0	15	1,630
Fuel m3	0	43.5	5,489.5
Lube, Oil Ltrs	0	1300	72,200
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	0
Cement "DEEP CRETE" ton	0	0	12.5
Cement "LWC" ton	0	0	27.5

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Shingu	18:50	23:20
#7KAIKO	Chikyu	20:35	
Heisei Maru	Chikyu		

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	SW	Barometer (hPa)	WIND Speed(m/s)	Dir. (deg)	Gust (m/s)	WAVE Height(m)	Dir. (deg)	Period (s)	CURRENT Speed(kts)	Dir. (deg)	VISIBILITY (km)
0:00	r	21.5	21	1006.4	5.6	6	8.7	0.8	200	6.9	0.7	144	10

TODAY'S SCHEDULE : **Make up and run coring BHA, Test core line wiper, Circulation bottom up and clean hole.**

REPORTED BY : D.Ikenomoto / Y.Kawano

APPROVED BY : T.Abe

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02 | **REPORT No. : 56**

HOLE NAME :	C0009A	SITE NAME :	NT2-11B	Exp. :	319
REPORT DATE :	5/Jul/2005				

DEPTH : @24:00 **3,592.0** mBRT **1,509.7** mbsf | PROGRESS : | Water Depth : **2,082.3** mBRT (**2054** mMSL) | RT-MSL : **28.3** m | SINCE MOVE : **54**

@06:00 **3,601.5** mBRT **1,519.2** mbsf | DRILLING/CORING Hrs. : **0.00** hrs | LAST CASING : **20"** x **703.9** mbsf

SUMMARY OF OPERATION: **Make up & RIH 10-5/8" RCB coring Assembly / Ream down to bottom / Circulate & Bottom's up**

PRESENT OPERATION @06:00 on **5-Jul** : **Retrieve inner barrel**

mBRT: meter below rotary table
mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **4-Jul**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	2:30	2:30	TRIP	Space out inner barrel and center bit assembly.
2:30	6:00	3:30	TRIP	Make up coring BHA
				Pick up 8-1/2"coring DC and Coring Jar. (weight below 95kN / total 180kN)
6:00	6:15	0:15	Other	Change inserts to handle 5-1/2"S-140 drill pipe. Install jumping jack auto slips.
6:15	9:00	2:45	TRIP	RIH coring Assembly from 116m to 1065m.
9:00	9:15	0:15	Other	Change inserts to handle 5-1/2"S-150 drill pipe.
9:15	13:45	4:30	TRIP	Continue to RIH from 1065m to 2750m.
13:45	15:30	1:45	Other	Conduct core line wiper function test (AKEMA type) @2750m.
				Install sinker bar and run into drill pipe to 1000m.
				Close wiper with 10Mpa of operating pressure. Start pumping with 10spm x 0.9Mpa.
				Increase pump rate and observe leakage from top of wire with 30spm x 1.7Mpa while operating core line winch slowly.
				Increase operating pressure to 12.3Mpa, observe no leak with 25spm x 1.5Mpa
15:30	16:30	1:00	Other	Wind up sinker bar and rack same in storage sock.
16:30	19:30	3:00	TRIP	Continue to RIH Coring BHA from 2750m to 3477m.
19:30	23:00	3:30	W & R	Observe tag weight 90kN @3477m. Pick up and connect HPS. Wash & ream down to 3592m w/700gpm x 10.3Mpa, 40rpm x 2.5kNm
				Observe excessive cavings on the shaker screen.
				Rack back 1 stand in derrick.
23:00	0:00	1:00	C &C	Circulation bottom's up.
				Pump:800gpm x 10.1Mpa, boost riser with 250gpm
				Lost circulation rate:0.4m3/hr, Total lost volume today : 10.0m3

TIME BREAKDOWN (00:00 - 06:00 on 5-Jul) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	1:45	1:45	C&C	Circulation Bottom's up No trip gas observed
1:45	2:00	0:15	TRIP	Make up 1stand and run back to bottom.
2:00	3:30	1:30	C&C	Circulation with 800gpm x 10.1Mpa, boost riser w/250gpm. Observe cavings on the shaker screen.
				Meanwhile conduct TBRA for coring operation.
3:30	4:15	0:45	C&C	Drop inner barrel. Connect HPS and start pumping w/190gpm x 2.2Mpa
				Observe pressure up to 17.3Mpa, 17min after dropping.
				Take SCR pressure.
4:15	5:00	0:45	CORE	Cut RCB core from 3592m to 3601.5m (9.5m)
				WOB: 5-60kN, Pump: 40spm x 17.3-19.1Mpa, HPS: 60rpm x 4-15kN, Boost riser with 250gpm
				Pick up off bottom, observe no over pull.
5:00	6:00	1:00	CORE	Pick up sinker bar and stab same into the string
				Attempt to pump with 50gpm closing core line wiper, observe leakage. Run sinker bar without pumping.
				Lost circulation rate:1.0m3/hr, Lost volume 6.4m3 Backload 1 cutting skips to KAIKO

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP
4	10-5/8"	Maikai	KM415		87107	5x14																	

BHA RECORD / CORE BARREL TYPE

BHA No. 4 10-5/8"PDC core bit x bit sub(w/10-5/8"stab) x outer core barrel x Top sub x Head sub x 10-5/8"core stab x 8-1/2"coring DC(5) x Coring Jar x 8-1/2"coring DC(5)
x 5-1/2"DP S-140 x X-O x 5-1/2"DP S-150

String Wt.(kN)	mBRT
String total w/ HPS&TB	2220
Pick up Weight w/ HPS&TB	2230
Slack off weight w/ HPS&TB	2210
HPS & Traveling Block	690
BHA below Jar	95

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	W	S	Sand %	PPG	MBC	n	K	Temp In	Out	Dilution rate
KNPP	7:30	PIT	1.08	80	30	33	6	7	4.2	0.5	10.3	0.1	58,200					0.2			0.56	1.90	21		
KNPP	20:00	3,508	1.08	89	32	37	8	8	4.1	0.5	10.8	0.3	63,900	24,800	0	94	6	0.2			0.55	2.24	13	15	

CUTTING SKIP

Empty	42
Full	0
Back up	2
S.Boat	1
Shingu full	0
empty	5
Total	50

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/146	#5	10	165/145
#3	10	165/145	#6	10	165/145

	Desander	Mudcleaner	Centrifuge
#1	off	off	on
#2	off	off	on
#3			off

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.	Generated Vol.	Daily	Total
Concentrated				Distilled Water		
Solidification				Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	DP	ECD @ shoe
1	6	80	800	10.1	77	49.9	1.088
2	6	80					
3	6	50					

Mud Gas

Base (%)	Max. (%)	Depth (m)
Trip Gas		–
Conn. Gas		–

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	209,600
Kingie-VO (Bulk)	0	0	16,700
NaOH	0	0	1,700
KOH	0	0	2,125
Lime	0	0	950
Soda Ash	0	0	1,600
Tel-Polymer(H)	0	0	560
Tel-Polymer(L)	0	0	1,860
Tel-Polymer DX	0	0	7,240
XCD-Polymer	0	0	1,000
Xian-Vis	0	0	575
NaCl (Bag)	0	0	46,000
KCL (Bag)	0	0	9,000
Clean Lube (L)	0	0	10,000
Clean Lube	0	0	6,000
Tel-DD	0	0	200
Lignite NC	0	0	3,600
Telnite GXL	0	0	270
Speeder (P)	0	0	1,700
Speeder (X)	0	0	1,700
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0	0	500/1000
Tel Mica C/M/F	0	0	500/500/1000
Tel Plug C/M/F	0	0	500/500/1000
EZ Drill	0	0	0

HELICOPTER INFORMATION (JA6655)

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1				
2				
3				
4				

LEAK OFF TEST DATA

Leak off Test On	25-Jun.-2009
Lopes. @Surface	105psi
Leaked off EMW @shoe	1.114sg
Ruptured EMW @shoe	not observed

BOP TESTS

Last Test On	22-Jun-05
Annular BOPs To	3000psi (20.6Mpa)
Ram BOPs To	3000psi (20.6Mpa)

KICK TOLERANCE

Max. Allow CSG Pre.	
Kick Tolerance	

PERSONNEL @24:00

CDEX	8
MQJ Crew	87
MQJ(Other)	1
MWJ	14
Scientist	14
Sub Con.	
SLB D&M	3
SLB W/L	3
SLB CMT	1
Mud Logging	6
MI-Swaco	4
ROV	3
Telnite	2
Vetco Gray	
NOV	1
Core Tech.	1
Vendors	
Others	
Total	148

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

GEOLOGIC INFORMATION

From	To	Lithology

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Shingu		
#7/KAIKO	Chikyu		
Heisei Maru	Chikyu		

MARINE INFORMATION @24:00

Heave (m)	0.3
Pitch (deg)	0.3
Roll (deg)	0.2
Swell (m)	0.8
Vessel Heading (deg)	240.0
Drift (m)	0.2
Riser Tension (kN)	7,827.0
V.D. Load (Moon)	11,723.6
Max Draught (m)	9.2
Thruster (kW)	810
No. of transponders	10
Engine output(kW)	6,000
	P :35%, S:25%

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	52	55	262
Potable Water m3	0	2	191
Drill Water m3	52	12	1,670
Fuel m3	0	45.1	5,444.4
Lube, Oil Ltrs	0	400	71,800
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	0
Cement "DEEP CRETE" ton	0	0	12.5
Cement "LWC" ton	0	0	27.5

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(kts)	CURRENT Dir. (deg)	VISIBILITY (km)
0:00	hc	23	21.8	1013.8	7.3	230	7.5	0.9	290	7.3	0.1	344	15

TODAY'S SCHEDULE : **RCB coring**

REPORTED BY : D.Ikenomoto / Y.Kawano

APPROVED BY : T.Abe

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 57

HOLE NAME : C0009A **SITE NAME :** NT2-11B **Exp. :** 319 **REPORT DATE :** 6/Jul/2009

DEPTH : @24:00 **3,601.5** mBRT **1,519.2** mbsf PROGRESS : **9.5m** Water Depth : **2,082.3** mBRT (**2054** mMSL) RT-MSL : **28.3** m SINCE MOVE : **55**

@06:00 **3,601.5** mBRT **1,519.2** mbsf DRILLING/CORING Hrs. : **0.75** hrs LAST CASING : **20"** x **703.9** mbsf

SUMMARY OF OPERATION **Circulation, Cut RCB core, POOH to change assembly**

PRESENT OPERATION @06:00 on **6-Jul** : **RIH RCB coring assembly**

mBRT: meter below rotary table
mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **5-Jul**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	1:45	1:45	C&C	Circulation Bottom's up
1:45	2:00	0:15	TRIP	Make up 1stand and run back to bottom.
2:00	3:30	1:30	C&C	Circulation with 800gpm x 10.1Mpa, boost riser w/250gpm. Observe cavings on the shaker screen.
				Meanwhile conduct TBRA for coring operation.
3:30	4:15	0:45	C&C	Drop inner barrel. Connect HPS and start pumping w/190gpm x 2.2Mpa.
				Observe pressure up to 17.3Mpa, 17min after dropping. Take SCR pressure.
4:15	5:00	0:45	CORE	Cut RCB core from 3592m to 3601.5m (9.5m)
				WOB: 5-60kN, Pump: 40spm x 17.3-19.1Mpa, HPS: 60rpm x 4-15kN, Boost riser with 250gpm. Pick up off bottom, observe no over pull.
5:00	6:45	1:45	CORE	Pick up sinker bar and stab same into the string at 3574m
				Attempt to pump with 50gpm closing core line wiper, observe leakage at 2.3Mpa. Run sinker bar without pumping.
				Sinker bar hung up at 2538m. Observe inner barrel hung up on the crossover sub between S140 and S150.
6:45	7:30	0:45	CORE	Retrieve sinker bar and inner barrel.
7:30	7:45	0:15	C & C	Pick up string, find 20kN overpull. Start pumping with 300gpm, observe pack off.
7:45	8:45	1:00	W & R	Ream up and down to clean hole till pump pressure get stable.
				Increase pump rate gradually up to 600gpm. Observe pump pressure fluctuating 11.1-12.7Mpa.
8:45	11:45	3:00	TRIP	POOH from 3576m to 2745m. no overpull.
11:45	12:00	0:15	Other	Flow check. OK
12:00	18:00	6:00	TRIP	Continue to POOH from 2745m to 1075m.
18:00	18:30	0:30	Other	Change x/o sub w/3.5"ID to 4-1/8"ID due to miss arrangement (Inner barrel Max OD : 4").
				Break circulation and check for clear string. Pump up to 385gpm, Pressure come up to 3.4Mpa.
				Confirm bit plugged by hydraulics calculation. Decide to POOH to check bit and outer barrel.
18:30	22:30	4:00	TRIP	Continue to POOH from 1075m to surface.
22:30	0:00	1:30	TRIP	Service core bit and bit sub. Lay out outer barrel. Recover core jammed in a bit and float valve. Clean and inspect bit.
				Core recovery: 0.3m (3.2%)
				Lost circulation rate:0.7m3/hr, Total lost volume today : 16.9m3

TIME BREAKDOWN (00:00 - 06:00 on 6-Jul) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	0:30	0:30	Other	Clean up jammed bit. Hole TBRA for make up coring BHA.
0:30	6:00	5:30	TRIP	Make up and RIH RCB coring BHA to 1652m
				0:30-3:00 MU & RIH coring DC stand. Meanwhile iron roughneck trolley malfunction partly.
				3:00-6:00 Run drill pipe stands.
				meanwhile increase mud weight in active tank and riser to 1.09sg using boost line.
				Lost circulation rate:0.5m3/hr, Lost volume 2.9m3

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	TFA (in^2)	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Bit Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP
4	10-5/8"	Maikai	KM415		87107	5x14mm	1.19	3,592.0	3,601.5	9.5	0.75	5	60	60		2.7	0	0	NO	-	X	I	NO	DP
RR4a	10-5/8"	Maikai	KM415		87107	5x14mm	1.19																	

BHA RECORD / CORE BARREL TYPE

BHA No. 4 10-5/8"PDC core bit x bit sub(w/10-5/8"stab) x outer core barrel x Top sub x Head sub x 10-5/8"core stab x 8-1/2"coring DC(5) x Coring Jar x 8-1/2"coring DC(5) x 5-1/2"DP S-140 x X-O x 5-1/2"DP S-150

RR4a 10-5/8"PDC core bit x bit sub(w/10-5/8"stab) x outer core barrel x Top sub x Head sub x 10-5/8"core stab x 8-1/2"coring DC(5) x Coring Jar x 8-1/2"coring DC(5) x 5-1/2"DP S-140 x X-O x 5-1/2"DP S-150 (same as No.4 BHA)

String Wt.(kN)	mBRT
String total w/ HPS&TB	2220
Pick up Weight w/ HPS&TB	2230
Slack off weight w/ HPS&TB	2210
HPS & Traveling Block	690
BHA below Jar	95

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	W	S	Sand %	PPG	MBC	n	K	Temp In	Out	Dilution rate
KNPP	5:00	3,600	1.08	94	33	35	7	8	4.1	0.5	10.6	0.2	62,130					0.2			0.57	1.94	14	15	

CUTTING SKIP

Empty	42
Full	0
Back up	2
S.Boat	1
Shingu full	0
empty	5
Total	50

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/146	#5	10	165/145
#3	10	165/146	#6	10	165/145

	Desander	Mudcleaner	Centrifuge
#1	off	off	on
#2	off	off	on
#3			off

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.	Generated Vol.	Daily	Total
Concentrated				Distilled Water		
Solidification				Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	DP	ECD @ shoe
1	6	80	800	10.1	77	49.9	1.088sg
2	6	80					
3	6	50	250				

Mud Gas

Base (%)	Max. (%)	Depth (m)
Trip Gas		–
Conn. Gas		–

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	209,600
Kingie-VO (Bulk)	0	0	16,700
NaOH	0	0	1,700
KOH	0	50	2,075
Lime	0	0	950
Soda Ash	0	0	1,600
Tel-Polymer(H)	400	80	880
Tel-Polymer(L)	1,600	0	3,460
Tel-Polymer DX	0	0	7,240
XCD-Polymer	0	0	1,000
Xian-Vis	750	50	1,275
NaCl (Bag)	0	0	46,000
KCL (Bag)	8,000	0	17,000
Clean Lube (L)	0	0	10,000
Clean Lube	0	0	6,000
Tel-DD	1,200	0	1,400
Liqnite NC	0	0	3,600
Telnite GXL	0	0	270
Speeder (P)	0	0	1,700
Speeder (X)	0	0	1,700
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0	0	500/1000
Tel Mica C/M/F	0	0	500/500/1000
Tel Plug C/M/F	0	0	500/500/1000
EZ Drill	0	0	0

HELICOPTER INFORMATION (JA6655)

Flt. No.	Time Arrived	Departed	Passenger Are.	Dept.
1				
2				
3				
4				

LEAK OFF TEST DATA

Leak off Test On	25-Jun.-2009
Lopes. @Surface	105psi
Leaked off EMW @shoe	1.114sg
Ruptured EMW @shoe	not observed

BOP TESTS

Last Test On	22-Jun-05
Annular BOPs To	3000psi (20.6Mpa)
Ram BOPs To	3000psi (20.6Mpa)

KICK TOLERANCE

Max. Allow CSG Pre.	
Kick Tolerance	

PERSONNEL @24:00

CDEX	8
MQJ Crew	87
MQJ(Other)	1
MWJ	14
Scientist	14
Sub Con.	
SLB D&M	3
SLB W/L	3
SLB CMT	1
Mud Logging	6
MI-Swaco	4
ROV	3
Telnite	2
Vetco Gray	
NOV	1
Core Tech.	1
Vendors	
Others	
Total	148

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

Conduct abandon drill

GEOLOGIC INFORMATION

From	To	Lithology

MATERIALS STOCK on BOARD @24:00

Item		RECEIVED	USED	STOCK
Fresh Water	m3	0	64	198
Potable Water	m3	0	5	186
Drill Water	m3	102	3	1,769
Fuel	m3	202	46	5,600.4
Lube, Oil	Ltrs	0	0	71,800
Heli Fuel	Ltrs	0	0	0
Cement "G"	ton	0	0	0
Cement "DEEP CRETE"	ton	0	0	12.5
Cement "LWC"	ton	0	0	27.5

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Shingu	11:20	16:38
#7KAIKO	Chikyu	6:40	
Heisei Maru	Katsuura		6:40

MARINE INFORMATION @24:00

Heave (m)	0.2
Pitch (deg)	0.3
Roll (deg)	0.2
Swell (m)	0.8
Vessel Heading (deg)	270.0
Drift (m)	0.4
Riser Tension (kN)	7,769.0
V.D. Load (Moon)	11,688.7
Draught (m)	9.2
Thruster (kW)	813
No. of transponders	10
Engine output(kW)	4,800
	P :30%, S:19%

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	SW	Barometer (hPa)	WIND Speed(m/s)	Dir. (deg)	Gust (m/s)	WAVE Height(m)	Dir. (deg)	Period (s)	CURRENT Speed(kts)	Dir. (deg)	VISIBILITY (km)
0:00	r	22	24	1017.7	7.0	120	7.8	0.8	180	6.4	1.2	104	10

TODAY'S SCHEDULE : **RCB coring**

REPORTED BY : D.Ikenomoto / Y.Kawano

APPROVED BY : T.Abe

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02 | **REPORT No. : 58**

HOLE NAME :	C0009A	SITE NAME :	NT2-11B	Exp. :	319	REPORT DATE :	7/Jul/2009
DEPTH : @24:00	3,611.0 mBRT	1,528.7 mbsf	PROGRESS : 9.5m	Water Depth :	2,082.3 mBRT (2054 mMSL)	RT-MSL : 28.3 m	SINCE MOVE : 56
@06:00	3,611.0 mBRT	1,528.7 mbsf		DRILLING/CORING Hrs. :	4.00 hrs	LAST CASING : 20" x 703.9 mbsf	

SUMMARY OF OPERATION: **Circulation, Cut #2 RCB core, Run #1 deplugger.**

PRESENT OPERATION @06:00 on **7-Jul** : **Retrieve #3 de-plugger**

mBRT: meter below rotary table
mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **6-Jul**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	0:30	0:30	Other	Clean up jammed bit. Hole TBRA for make up coring BHA.
0:30	8:15	7:45	TRIP	Make up and RIH RCB coring BHA to 2783m. Fill up in drill pipe every 5 stands run.
				0:30-3:00 MU & RIH coring DC stand. Meanwhile Iron roughneck trolley malfunction partly.
				3:00-8:15 Run drill pipe stands.
				Increase mud weight in active tank and riser to 1.09sg using boost line.
8:15	9:00	0:45	C&C	Break circulation with 250gpm x 20Mpa. Displace choke & kill lines to 1.09SG mud
9:00	11:15	2:15	TRIP	RIH from 2783m to 3530m. Fill up in drill pipe every 5stands run.
				Observe no drag.
11:15	13:15	2:00	W &R	Observe tag weight 80kN. Connect HSP. Pump and ream down w/700gpm x 8.2Mpa. 30RPM 2-3kN. No go.
				Increase to 60RPM then pass through and ream down to 3601.5m with 700gpm and 30rpm.
				Observe no excessive torque and WOB. No fill on the bottom.
13:15	15:00	1:45	C & C	Circulate and bottom's up. 700gpm x 8Mpa.
15:00	16:00	1:00	Core	Drop inner barrel and pump down to bottom with 200gpm x 2.0Mpa. HPS: 30rpm.
				Observe pressure up to 3.0Mpa, 23min after dropping. Confirm inner barrel landing.
16:00	16:30	0:30	Core	Cut #2 core from 3601.5m to 3611m(9.5m) WOB: 50kN-70kN, Pump: 40SPM x 3.7Mpa, HPS: 60RPM x 3-8kNm, ROP 10-20m/hr.
16:30	16:45	0:15	Core	Stop rotation, Pick up string to 3582m. No over pull.
16:45	17:15	0:30	Core	Install sinker bar, break connection and set sinker bar latch at 0m.
17:15	19:00	1:45	Core	RIH sinker bar. Retrieve # 2 core and lay out inner barrel.
19:00	20:45	1:45	C & C	Circulate and hole cleaning w/600gpm x 11Mpa. 700gpm x 14Mpa. @ 3585m. Observe bit center area plugged by excessive pump pressure.
20:45	21:45	1:00	Core(N)	Drop #1de-plugger. Chase pumping w/350gpm x 5.0Mpa. Observe pressure up to 15Mpa and get down to 8.0Mpa w/350gpm.
21:45	23:30	1:45	Core(N)	RIH sinker bar and recover deplugger.
23:30	0:00	0:30	Core(N)	Confirm Pump pressure with 600gpm x 12.5Mpa , 700gpm x 14.7Mpa.
				Plugging of bit center area is still observed.

No.	RIH(free fall)	Core on Deck	Top mBRT	Bottom mBRT	Advance (m)	Recovery (m)	Recovery (%)	Lithology @ shoe	Remark
2	15:24	18:55	3601.50	3611.00	9.50	2.10	22.1	dk. grsh. calc.clyst.	Observe Inner tube collapsed

Lost circulation rate:0.55m3/hr, Total lost volume today : 13m3

TIME BREAKDOWN (00:00 - 06:00 on 7-Jul) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	1:00	1:00	Core(N)	Continue circulation. Hold TBRA for coring operation.
1:00	1:30	0:30	Core(N)	Drop #2 de-plugger chasing 450gpm x 6.0Mpa. Observe pressure up to 9.6Mpa 15min after dropping. Confirm pump pressure w/350gpm x 6.4Mpa.
1:30	2:15	0:45	Core(N)	Run sinker bar w/20rpm working pipe. Catch de-plugger assembly.
2:15	3:00	0:45	Core(N)	Retrieve sinker bar w/20rpm working pipe. Lay out de-plugger assembly.
				Confirm pump pressure w/700gpm x 12.5Mpa, 800gpm x 14.9Mpa. Plugging of bit center area is still observed.
3:00	4:00	1:00	Core(N)	Make modification to de-plugger. Meanwhile circulate w 800gpm x 5Mpa at 3586m
4:00	4:45	0:45	Core(N)	Drop #3 de-plugger chasing 500gpm x 7.2Mpa. Observe pressure up to 10.9Mpa 13min after dropping.
				Confirm pump pressure w/600gpm x 13.3Mpa, 700gpm x 16.7Mpa.
4:45	5:30	0:45	Core(N)	Run sinker bar. Catch de-plugger assembly.
5:30	6:00	0:30	Core(N)	Jar down de-plugger assembly 10times with core line wiper.
				Retrieve sinker bar.
				Lost circulation rate:0.5m3/hr, Lost volume 2.9m3

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	TFA (in^2)	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Bit Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP
RR4a	10-5/8"	Maikai	KM415		87107	5x14mm	1.19	3,592.0	3,601.5	9.5	0.75	5	60	60		2.7								

BHA RECORD / CORE BARREL TYPE

BHA No. RR4a 10-5/8"PDC core bit x bit sub(w/10-5/8"stab) x outer core barrel x Top sub x Head sub x 10-5/8"core stab x 8-1/2"coring DC(5) x Coring Jar x 8-1/2"coring DC(5)
x 5-1/2"DP S-140 x X-O x 5-1/2"DP S-150

String Wt.(kN)	mBRT
String total w/ HPS&TB	2220
Pick up Weight w/ HPS&TB	2230
Slack off weight w/ HPS&TB	2210
HPS & Traveling Block	690
BHA below Jar	95

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	W	S	Sand %	PPG	MBC	n	K	Temp In	Out	Dilution rate
KNPP	8:30	PIT	1.09	93	35	38	7	8	4	0.5	10.7	0.2	74,500					0.2			0.57	2.15	14		
KNPP	19:30	3,611	1.09	89	32	37	7	8	4	0.5	10.5	0.2	71,300					0.2			0.55	2.24	16	9	

CUTTING SKIP

Empty	42
Full	1
Back up	2
S.Boat	0
Shingu full	0
empty	5
Total	50

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/146	#5	10	165/145
#3	10	165/145	#6	10	165/145

	Desander	Mudcleaner	Centrifuge
#1	off	off	on
#2	off	off	on
#3			off

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.	Generated Vol.	Daily	Total
Concentrated				Distilled Water		
Solidification				Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	DP	ECD @ shoe
1	6	80	700	8	67	43.6	1.088sg
2	6	80					
3	6	50	250				

Mud Gas

Base (%)	Max. (%)	Depth (m)
Trip Gas		–
Conn. Gas		–

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	209,600
Kingie-VO (Bulk)	0	0	16,700
NaOH	0	0	1,700
KOH	0	150	1,925
Lime	0	0	950
Soda Ash	0	0	1,600
Tel-Polymer(H)	0	140	740
Tel-Polymer(L)	0	520	294
Tel-Polymer DX	0	700	6,540
XCD-Polymer	0	0	1,000
Xian-Vis	0	125	1,150
NaCl (Bag)	0	12,000	34,000
KCL (Bag)	0	10,000	7,000
Clean Lube (L)	0	2,000	8,000
Clean Lube	0	0	6,000
Tel-DD	0	200	1,200
Liqnite NC	0	0	3,600
Telnite GXL	0	0	270
Speeder (P)	0	0	1,700
Speeder (X)	0	0	1,700
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0	0	500/1000
Tel Mica C/M/F	0	0	500/500/1000
Tel Plug C/M/F	0	0	500/500/1000
EZ Drill	0	0	0

HELICOPTER INFORMATION (JA6655)

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	9:10	9:17	1	4
2				
3				
4				

LEAK OFF TEST DATA

Leak off Test On	25-Jun.-2009
Lopes. @Surface	105psi
Leaked off EMW @shoe	1.114sg
Ruptured EMW @shoe	not observed

BOP TESTS

Last Test On	22-Jun-05
Annular BOPs To	3000psi (20.6Mpa)
Ram BOPs To	3000psi (20.6Mpa)

KICK TOLERANCE

Max. Allow CSG Pre.	
Kick Tolerance	

PERSONNEL @24:00

CDEX	8
MQJ Crew	87
MQJ(Other)	1
MWJ	14
Scientist	14
Sub Con.	
SLB D&M	0
SLB W/L	3
SLB CMT	1
Mud Logging	6
MI-Swaco	4
ROV	3
Telnite	2
Vetco Gray	
NOV	1
Core Tech.	1
Vendors	
Others	
Total	145

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

GEOLOGIC INFORMATION

From	To	Lithology

MATERIALS STOCK on BOARD @24:00

Item		RECEIVED	USED	STOCK
Fresh Water	m3	103	66	235
Potable Water	m3	0	3	183
Drill Water	m3	0	65	1,704
Fuel	m3	0	45.8	5,554.6
Lube, Oil	Ltrs	0	0	71,800
Heli Fuel	Ltrs	0	0	0
Cement "G"	ton	44	0	44
Cement "DEEP CRETE"	ton	0	0	12.5
Cement "LWC"	ton	64	0	91.5

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Chikyu	17:25	
#7KAIKO	Chikyu		
Heisei Maru	Chikyu	7:50	

Heave (m)	0.3
Pitch (deg)	0.3
Roll (deg)	0.1
Swell (m)	0.9
Vessel Heading (deg)	250.0
Drift (m)	0.1
Riser Tension (kN)	7,806.0
V.D. Load (Moon)	11,969.7
Max Draught (m)	9.2
Thruster (kW)	793
No. of transponders	10
Engine output(kW)	5,700
	P :35%, S:25%

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	SW	Barometer (hPa)	WIND Speed(m/s)	Dir. (deg)	Gust (m/s)	WAVE Height(m)	Dir. (deg)	Period (s)	CURRENT Speed(kts)	Dir. (deg)	VISIBILITY (km)
0:00	hr.	24.5	21.7	1017	8.7	200	9	0.9	180	6	0.2	314	15

TODAY'S SCHEDULE : **RCB coring**

REPORTED BY : D.Ikenomoto / Y.Kawano
APPROVED BY : T.Abe

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 59

HOLE NAME : C0009A **SITE NAME :** NT2-11B **Exp. :** 319 **REPORT DATE :** 8/Jul/2009

DEPTH : @24:00 **3,628.7** mBRT **1,546.4** mbsf PROGRESS : **17.7m** Water Depth : **2,082.3** mBRT (**2054** mMSL) RT-MSL : **28.3** m SINCE MOVE : **57**

@06:00 **3,647.7** mBRT **1,565.4** mbsf DRILLING/CORING Hrs. : **1.25** hrs LAST CASING : **20"** x **703.9** mbsf

SUMMARY OF OPERATION **Run deplugger and push plug inside bit / Cut RCB core**

PRESENT OPERATION @06:00 on **8-Jul** : **Circulation after #6coring**

mBRT: meter below rotary table

mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **7-Jul**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	1:00	1:00	Core(N)	Continue circulation. Hold TBRA for coring operation.
1:00	1:30	0:30	Core(N)	Drop #2 de-plugger chasing 450gpm x 6.0Mpa. Observe pressure up to 9.6Mpa 15min after dropping. Confirm pump pressure w/350gpm x 6.4Mpa.
1:30	2:15	0:45	Core(N)	Run sinker bar w/20rpm working pipe. Catch de-plugger assembly.
2:15	3:00	0:45	Core(N)	Retrieve sinker bar w/20rpm working pipe. Lay out de-plugger assembly.
				Confirm pump pressure w/700gpm x 12.5Mpa, 800gpm x 14.9Mpa. Plugging of bit center area is still observed.
3:00	4:00	1:00	Core(N)	Make modification to de-plugger. Meanwhile circulate w 800gpm x 14.7Mpa at 3586m
4:00	4:45	0:45	Core(N)	Drop #3 de-plugger chasing 500gpm x 7.2Mpa. Observe pressure up to 10.9Mpa 13min after dropping.
				Confirm pump pressure w/600gpm x 13.3Mpa. 700gpm x 16.7Mpa.
4:45	5:30	0:45	Core(N)	Run sinker bar. Catch de-plugger assembly.
5:30	6:15	0:30	Core(N)	Jar down de-plugger assembly 10times with core line wiper. Retrieve sinker bar.
6:15	7:45	1:30	Core(N)	Confirm pump pressure w/700gpm x 8.4Mpa, 800gpm x 10.0Mpa w/20rpm. Observed bit un-plugged. Continue to circulate.
7:45	8:15	0:30	Core	Records SCRP. Drop inner barrel, chase w/200gpm x 2.2Mpa. Observe land out with pressure increase 3.2Mpa.
8:15	8:45	0:30	Core	Cut #3 core from 3611.0m to 3619.2m (8.2m) w/200gpm x 3.3Mpa-4.2Mpa. HPS: 60rpm x 9kNm.
				Observe pressure spike up to 8.6Mpa, stop coring.
8:45	10:30	1:45	C&C	Pick up string. Observe overpull 190kN and pack off. Pump off and work pipe. 100kN over pull.
				Attempt to make circulation and clean hole w/25rpm. Pick up into 12-1/4"hole, increase pump rate gradually up to 475gpm x 9.2Mpa.
				Conduct dummy connection @ 9:45. Stop circulation and start again. Confirm hole condition is improved. Continue to circulate.
10:30	11:45	1:15	Core	Install sinker bar and retrieve inner barrel. Lay out inner barrel.
11:45	16:00	4:15	C&C	Circulate to clean hole. Pump: 140spm x 8.4Mpa. Ream down to bottom w/50rpm, Increase mud weight from 1.09SG to 1.10SG.
				Sweep hi- vis mud (F.V.300sec. up) 10m3 and bottom's up. Excessive cuttings on the shaker continuously.
16:00	17:15	1:15	Core	Circulate w/700gpm x 8.4Mpa. 50rpm. Cutting return at shaker continuously. Meanwhile Prepare No.4 coring.
17:15	19:15	2:00	Other (N)	Attempt to disconnect HPS without success due to slip at jaw of torque wrench. Repair same and make a connection.
19:15	20:00	0:45	Core	Drop inner barrel. Pump down w/200gpm x 2.3Mpa. Observe land with pressure increase 3.2Mpa.
20:00	20:45	0:45	Core	Cut #4 core from 3619.2m to 3628.7m (9.5m). Pump: 300gpm x 4.9-5.4Mpa. HPS: 55rpm x 6kNm. WOB 10-45kN. (Increase pump rate 200gpm → 300gpm)
20:45	22:30	1:45	Core	Install sinker bar and retrieve inner barrel. Lay out inner barrel.
22:30	23:30	1:00	C&C	Connect HPS. Rack back sinker bar. Pump w/700gpm x 8Mpa.
23:30	0:00	0:30	Core	Disconnect HPS. Drop inner barrel. Chase w/300gpm x 3.0Mpa and 200gpm x 2.4Mpa.
				Confirm inner barrel landing by pressure increase to 3.3Mpa.

No.	RIH (free fall)	Core on Deck	Top mBRT	Bottom mBRT	Advance (m)	Recovery (m)	Recovery (%)	Litho logy @ shoe	Remark
3	8:12	11:40	3611.00	3619.20	8.20	8.20	100.0	mudstone	
4	19:27	22:10	3619.20	3628.70	9.50	7.30	76.8%	mudstone	

Lost circulation rate:0.58m3/hr, Total lost volume today : 14m3

TIME BREAKDOWN (00:00 - 06:00 on 8-Jul) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	0:45	0:45	Core	Cut #5 core from 3628.7-3638.2m (9.5m) w/300gpm x 4.7-5.3Mpa. HPS: 60rpm x 2-9kNm, WOB:10-45kN
0:45	1:15	0:45	Core	Pick up and circulate to condition well. w/300gpm x 4.8Mpa
1:15	1:45	0:30	Core	Rack back 1 stand due to block calibration miss match. Circulate w/300gpm x 4.8Mpa.
1:45	3:00	1:15	Core	Run sinker bar. Meanwhile displace Choke and Kill line with 1.10sg mud. Retrieve inner barrel.
3:00	5:00	2:00	C&C	Circulate to clean hole w/700gpm x 8.5Mpa.
5:00	5:30	0:30	Core	Drop inner barrel. Chase w/300gpm x 3.2Mpa, 40spm x 2.2Mpa. Observe inner barrel landing by pressure increase to 3.6Mpa.
5:30	6:00	0:30	Core	Cut #6 core from 3638.2-3647.7m (9.5m) w/300gpm x 5.2-5.4Mpa, HPS: 60rpm x 2-7kN, WOB: 2-5kN

No.	RIH(free fall)	Core on Deck	Top mBRT	Bottom mBRT	Advance (m)	Recovery (m)	Recovery (%)	Remark
5	23:43	3:01	3628.70	3638.20	9.50	9.72	102.3	
6	4:59		3638.20	3647.70	9.50			

Lost circulation rate:0.9m3/hr, Lost volume 5.9m3

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	TFA (in^2)	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Bit Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP
RR4a	10-5/8"	Maikai	KM415		87107	5x14mm	1.19	3,592.0	3,628.7	36.7	2.17	2	45	55	61	16								

BHA RECORD / CORE BARREL TYPE

BHA No. RR4a 10-5/8"PDC core bit x bit sub(w/10-5/8"stab) x outer core barrel x Top sub x Head sub x 10-5/8"core stab x 8-1/2"coring DC(5) x Coring Jar x 8-1/2"coring DC(5) x 5-1/2"DP S-140 x X-O x 5-1/2"DP S-150

String Wt.(kN)	@3628 mBRT
String total w/ HPS&TB	2270
Pick up Weight w/ HPS&TB	2280
Slack off weight w/ HPS&TB	2260
HPS & Traveling Block	690
BHA below Jar	95

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	W	S	Sand %	PPG	MBC	n	K	Temp In	Out	Dilution rate
KNPP	7:00	3,609	1.09	90	31	39	7	8	4.1	0.5	10.6	0.2	71,000	28,600	0	94	6	0.2		0.5	0.53	2.59	15	10	
KNPP	20:00	3,619	1.10	90	34	38	7	8	4.2	0.5	10.4	0.2	73,900	28,600	0	94	6	0.2		0.5	0.56	2.22	16	10	

CUTTING SKIP

Empty	42
Full	1
Back up	2
S.Boat	0
Shingu full	0
empty	5
Total	50

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/146	#5	10	165/145
#3	10	165/146	#6	10	165/145

	Desander	Mudcleaner	Centrifuge
#1	off	off	off
#2	off	off	off
#3			off

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.	Generated Vol.	Daily	Total
Concentrated				Distilled Water		
Solidification				Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	DP	ECD @ shoe
1	6	70	700	8.3			
2	6	70					
3	6	50	250				

Mud Gas

Base (%)	Max. (%)	Depth (m)
Trip Gas		–
Conn. Gas		–

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	209,600
Kingie-VO (Bulk)	0	0	16,700
NaOH	0	0	1,700
KOH	0	0	1,925
Lime	0	0	950
Soda Ash	0	0	1,600
Tel-Polymer(H)	0	20	720
Tel-Polymer(L)	0	0	294
Tel-Polymer DX	0	0	6,540
XCD-Polymer	0	0	1,000
Xian-Vis	0	0	1,150
NaCl (Bag)	0	11,000	23,000
KCL (Bag)	0	0	7,000
Clean Lube (L)	0	0	8,000
Clean Lube	0	0	6,000
Tel-DD	0	0	1,200
Liqnite NC	0	0	3,600
Telnite GXL	0	0	270
Speeder (P)	0	0	1,700
Speeder (X)	0	0	1,700
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0	0	500/1000
Tel Mica C/M/F	0	0	500/500/1000
Tel Plug C/M/F	0	0	500/500/1000
EZ Drill	0	0	0

HELICOPTER INFORMATION (JA6655)

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	9:10	9:17	1	4
2				
3				
4				

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

LEAK OFF TEST DATA

Leak off Test On	25-Jun.-2009
Lopes. @Surface	105psi
Leaked off EMW @shoe	1.114sg
Ruptured EMW @shoe	not observed

BOP TESTS

Last Test On	22-Jun-05
Annular BOPs To	3000psi (20.6Mpa)
Ram BOPs To	3000psi (20.6Mpa)

KICK TOLERANCE

Max. Allow CSG Pre.	
Kick Tolerance	

PERSONNEL @24:00

CDEX	8
MQJ Crew	87
MQJ(Other)	1
MWJ	14
Scientist	14
Sub Con.	
SLB D&M	0
SLB W/L	3
SLB CMT	1
Mud Logging	6
MI-Swaco	4
ROV	3
Telnite	2
Vetco Gray	
NOV	1
Core Tech.	1
Vendors	
Others	
Total	145

GEOLOGIC INFORMATION

From	To	Litho logy
3611	3619	Clyst 100%
3619	3628	Clyst 100%

MATERIALS STOCK on BOARD @24:00

Item		RECEIVED	USED	STOCK
Fresh Water	m3	106	65	276
Potable Water	m3	0	3	180
Drill Water	m3	0	52	1,652
Fuel	m3	0	48.5	5,506.1
Lube, Oil	Ltrs	0	1500	70,300
Heli Fuel	Ltrs	0	0	0
Cement "G"	ton	0	0	44
Cement "DEEP CRETE"	ton	0	0	12.5
Cement "LWC"	ton	0	0	91.5

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Chikyu		19:57
#7KAIKO	Chikyu		
Heisei Maru	Chikyu	7:50	

Heave (m)	0.3
Pitch (deg)	0.3
Roll (deg)	0.2
Swell (m)	1.3
Vessel Heading (deg)	210.0
Drift (m)	0.1
Riser Tension (kN)	7,780.0
V.D. Load (Moon)	11,930.7
Max Draught (m)	9.2
Thruster (kW)	1,195
No. of transponders	10
Engine output(kW)	6,300
	P :38%, S:25%

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(kts)	CURRENT Dir. (deg)	VISIBILITY (km)
0:00	hc	24.5	23.4	1014	8.8	222	10.2	1.3	210	6.7	0.4	105	20

TODAY'S SCHEDULE : **RCB coring**

REPORTED BY : D.Ikenomoto / Y.Kawano

APPROVED BY : T.Abe

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 60

HOLE NAME : C0009A **SITE NAME :** NT2-11B **Exp. :** 319 **REPORT DATE :** 9/Jul/2009

DEPTH : @24:00 **3,676.2** mBRT **1,593.9** mbsf PROGRESS : **47.5m** Water Depth : **2,082.3** mBRT (**2054** mMSL) RT-MSL : **28.3** m SINCE MOVE : **58**

@06:00 **3,676.2** mBRT **1,593.9** mbsf DRILLING/CORING Hrs. : **4:00** hrs LAST CASING : **20"** x **703.9** mbsf

SUMMARY OF OPERATION **Continue to Cut Core with RCB**

PRESENT OPERATION @06:00 on **9-Jul** : **POOH**

mBRT: meter below rotary table
mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **8-Jul**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	0:45	0:45	Core	Cut #5 core from 3628.7-3638.2m (9.5m) w/300gpm x 4.7-5.3Mpa. HPS: 60rpm x 2-9kNm, WOB:10-45kN
0:45	1:15	0:30	Core	Pick up and circulate to condition well. w/300gpm x 4.8Mpa
1:15	1:45	0:30	Core	Rack back 1 stand due to block calibration miss match. Circulate w/300gpm x 4.8Mpa.
1:45	3:00	1:15	Core	Run sinker bar. Meanwhile displace Choke and Kill line with 1.10sg mud. Retrieve inner barrel.
3:00	5:00	2:00	C&C	Circulate to clean hole w/700gpm x 8.5Mpa.
5:00	5:30	0:30	Core	Drop inner barrel. Chase w/300gpm x 3.2Mpa, 40spm x 2.2Mpa. Observe inner barrel landing by pressure increase to 3.6Mpa.
5:30	6:00	0:30	Core	Cut #6 core from 3638.2-3647.7m (9.5m) w/300gpm x 5.2-5.4Mpa, HPS: 60rpm x 2-7kN, WOB: 2-5kN
6:00	6:45	0:45	C&C	Circulate w/60spm x 5.1Mpa.
6:45	9:00	2:15	Core	Install sinker bar and retrieve inner barrel. Lay out inner barrel.
9:00	9:30	0:30	Core	Drop inner barrel. Chase w/60spm x 3.1Mpa, 40spm x 2.3Mpa. Observe inner barrel landing by pressure increase to 3.7Mpa.
9:30	10:15	0:45	Core	Cut #7 core from 3647.7-3657.2m (9.5m) w/300gpm x 5.2-5.4Mpa, HPS: 60rpm x 2-7kN, WOB: 10-60kN.
10:15	12:30	2:15	Core	Install sinker bar and retrieve inner barrel. Lay out inner barrel.
12:30	15:15	2:45	C&C	Connect HPS. Rack back sinker bar. Pump Hi-vis mud 10m3. Sweep out same w/700gpm x 9Mpa.
15:15	16:00	0:45	Core	Drop inner barrel. Chase w/60spm x 3.1Mpa, 40spm x 2.3Mpa. Observe inner barrel landing by pressure increase to 3.7Mpa.
16:00	17:00	1:00	Core	Cut #8 core from 3657.2-3666.7m (9.5m) w/60spm x 5.2-5.4Mpa HPS 60rpm x 2-7kNm, WOB 20-70kN
17:00	18:45	1:45	Core	Install sinker bar and retrieve inner barrel. Lay out inner barrel.
18:45	20:00	1:15	Core	Circulate hole and break connection to drop core barrel. Tool landed by pressure increase from 2.4Mpa to 3.4Mpa with 40spm
20:00	21:00	1:00	Core	Cut #9 core from 3666.7-3676.2m (9.5m) w/60spm x 5.2-5.4Mpa HPS 60rpm x 2-7kNm, WOB 20-50kN
21:00	22:15	1:15	Core	Send 10m3 of Hivis, PU HPS level to sinker bar platform and install sinker bar. Retrieve and layout inner barrel
22:15	22:30	0:15	Core	Retrieve sinker bar assy
22:30	0:00	1:30	C&C	Circulate and bottoms up with 140spm (#1/#2 pump total spm) x 9.0Mpa lining up #3 pump on boost line 55spm

No.	RIH (free fall)	Core on Deck	Top mBRT	Bottom mBRT	Advance (m)	Recovery (m)	Recovery (%)	Litho logy @ shoe	Remarks
5	23:43	3:01	3628.70	3638.20	9.50	9.79	103.1	claystone	
6	4:59	7:48	3638.20	3647.70	9.50	7.70	81.1	sandy siltstone	
7	8:54	11:40	3647.70	3657.20	9.50	7.20	75.8	sandy siltstone	
8	15:35	18:17	3657.20	3666.70	9.50	7.50	78.9	claystone	
9	19:30	22:15	3666.70	3676.20	9.50	7.48	78.7	claystone	

Lost circulation rate: 2m3/hr, Total lost volume today : 50m3

TIME BREAKDOWN (00:00 - 06:00 on 9-Jul) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	2:00	2:00	C&C	Continue to circulate and bottoms up.
2:00	2:15	0:15	Other	Flow Check 15min.(1.5m3/h)
2:15	5:00	2:45	Trip	POOH from 3676.2m to 2725m. NO over pull.
5:00	5:15	0:15	Other	Flow Check 15min.(1.0m3/h)
5:15	6:00	0:45	Trip	POOH from 3676.2m to 2380m.

Lost circulation rate:2.2m3/hr, Lost volume 13.1m3

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	TFA (in^2)	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Bit Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP
RR4a	10-5/8"	Maikai	KM415		87107	5x14mm	1.19	3,592.0	3,676.2	84.2	5.20	2	55	55	61	39								

BHA RECORD / CORE BARREL TYPE

BHA No. RR4a 10-5/8"PDC core bit x bit sub(w/10-5/8"stab) x outer core barrel x Top sub x Head sub x 10-5/8"core stab x 8-1/2"coring DC(5) x Coring Jar x 8-1/2"coring DC(5) x 5-1/2"DP S-140 x X-O x 5-1/2"DP S-150

String Wt.(kN)	@3628 mBRT
String total w/ HPS&TB	2270
Pick up Weight w/ HPS&TB	2280
Slack off weight w/ HPS&TB	2260
HPS & Traveling Block	690
BHA below Jar	95

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	W	S	Sand %	PPG	MBC	n	K	Temp In	Out	Dilution rate
KNPP	5:30	3,648	1.10	91	35	38	7	8	4.1	0.5	10.9	0.2	71,700	27,500	0	94	6	0.2		0.5	0.57	2.15	14	10	
KNPP	20:00	3,670	1.10	101	36	44	8	9	4	0.5	10.6	0.2	71,700	28,600	0	94	6	0.2		0.5	0.54	2.83	14	10	

CUTTING SKIP

Empty	42
Full	1
Back up	2
S.Boat	0
Shingu full	0
empty	5
Total	50

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/146	#5	10	165/145
#3	10	165/145	#6	10	165/145

	Desander	Mudcleaner	Centrifuge
#1	off	off	off
#2	off	off	off
#3			off

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.	Generated Vol.	Daily	Total
Concentrated				Distilled Water		
Solidification				Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	DP	ECD @ shoe
1	6	70	700	8.3			
2	6	70					
3	6	50	250				

Mud Gas

Base (%)	Max. (%)	Depth (m)
Trip Gas		–
Conn. Gas		–

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	2,100	117,500
Kingie-VO (Bulk)	0	0	16,700
NaOH	0	0	1,700
KOH	0	150	1,775
Lime	0	0	950
Soda Ash	0	0	1,600
Tel-Polymer(H)	0	380	720
Tel-Polymer(L)	1,120	1,040	3,020
Tel-Polymer DX	0	1,400	5,140
XCD-Polymer	0	0	1,000
Xian-Vis	0	300	850
NaCl (Bag)	0	12,000	11,000
KCL (Bag)	10,000	9,000	8,000
Clean Lube (L)	0	2,000	6,000
Clean Lube	2,200	2,000	6,200
Tel-DD	0	400	800
Liqnite NC	0	0	3,600
Telnite GXL	0	0	270
Speeder (P)	0	0	1,700
Speeder (X)	0	0	1,700
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0	0	500/1000
Tel Mica C/M/F	0	0	500/500/1000
Tel Plug C/M/F	0	0	500/500/1000
EZ Drill	0	0	0

HELICOPTER INFORMATION (JA6655)

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	9:15	9:24	9	9
2	11:09	11:18	9	9
3	13:36	13:43	3	2
4				

LEAK OFF TEST DATA

Leak off Test On	25-Jun.-2009
Lopes. @Surface	105psi
Leaked off EMW @shoe	1.114sg
Ruptured EMW @shoe	not observed

BOP TESTS

Last Test On	22-Jun-05
Annular BOPs To	3000psi (20.6Mpa)
Ram BOPs To	3000psi (20.6Mpa)

KICK TOLERANCE

Max. Allow CSG Pre.	
Kick Tolerance	

PERSONNEL @24:00

CDEX	8
MQJ Crew	87
MQJ(Other)	2
MWJ	14
Scientist	14
Sub Con.	
SLB D&M	0
SLB W/L	3
SLB CMT	1
Mud Logging	4
MI-Swaco	4
ROV	3
Telnite	2
Vetco Gray	0
NOV	0
Core Tech.	1
Vendors	0
Others	3
Total	146

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

GEOLOGIC INFORMATION

From	To	Litho logy
3628	3655	Clyst 80-90%, Sltst 10-20%
3655	3665	Clyst 100%

Heave (m)	0.3
Pitch (deg)	0.3
Roll (deg)	0.2
Swell (m)	1.1
Vessel Heading (deg)	250.0
Drift (m)	0.3
Riser Tension (kN)	7,858.0
V.D. Load (Moon)	11,852.6
Max Draught (m)	9.2
Thruster (kW)	1,205
No. of transponders	10
Engine output(kW)	6,350
	P :38%, S:27%

MATERIALS STOCK on BOARD @24:00

Item		RECEIVED	USED	STOCK
Fresh Water	m3	50	61	265
Potable Water	m3	0	5	175
Drill Water	m3	50	112	1,590
Fuel	m3	0	47.3	5,458.8
Lube, Oil	Ltrs	0	0	70,300
Heli Fuel	Ltrs	0	0	0
Cement "G"	ton	0	0	44
Cement "DEEP CRETE"	ton	0	0	12.5
Cement "LWC"	ton	0	0	91.5

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Shingu	18:25	23:00
#7KAIKO	Chikyu	20:35	
Heisei Maru	Chikyu		

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(kts)	CURRENT Dir. (deg)	VISIBILITY (km)
0:00	c	25	23.4	1011.9	10.9	215	12.3	1.1	210	6.3	1.4	94	20

TODAY'S SCHEDULE : **POOH coring assembly and RIH with 12-1/4"DRLG assembly**

REPORTED BY : T.Saruhashi / D.Ikenomoto

APPROVED BY : T.Abe

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02 | **REPORT No. :** 61

HOLE NAME : C0009A | **SITE NAME :** NT2-11B | **Exp. :** 319 | **REPORT DATE :** 10/Jul/2009

DEPTH : @24:00 **3,676.2** mBRT **1,593.9** mbsf | PROGRESS : - | Water Depth : **2,082.3** mBRT (**2054** mMSL) | RT-MSL : **28.3** m | SINCE MOVE : **59**

@06:00 **3,676.2** mBRT **1,593.9** mbsf | DRILLING/CORING Hrs. : - hrs | LAST CASING : **20"** x **703.9** mbsf

SUMMARY OF OPERATION **POOH Coring Assembly / RIH DRLG Assembly**

PRESENT OPERATION @06:00 on **10-Jul** : **RIH with 12-1/4" DRLG Ass'y**

mBRT: meter below rotary table
mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **9-Jul**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	2:00	2:00	C&C	Continue to circulate and bottoms up.
2:00	2:15	0:15	Other	Flow Check 15min.(lost mud 1.5m3/h)
2:15	5:00	2:45	Trip	POOH RCB coring Assembly from 3676.2m to 2725m. No over pull.
5:00	5:15	0:15	Other	Flow Check 15min at Shoe.(lost mud 1.0m3/h)
5:15	13:30	8:15	Trip	POOH from 3676.2m to Surface.
13:30	16:00	2:30	Other	Service Hydraulic Elevator.
16:00	19:00	3:00	Trip	Conducted TBRA and MU 12-1/4" DRLG ass'y
19:00	0:00	5:00	Trip	Change out elevator slips for DP and continue to RIH with 12-1/4"DRLG ass'y to 2310mBRT.
				Loss during RIH: 2m3/h static. 3-4m3/h during trip
				Riser tension was increased to 8900kN from 7900kN due to current increase to 2.0knots from 12:00 to 19:00.
				Lost circulation rate: 1.95m3/hr, Total lost volume today : 46m3

TIME BREAKDOWN (00:00 - 06:00 on 10-Jul) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	1:30	1:30	Trip	Continue to RIH with 12-1/4"DRLG ass'y to 2780m
1:30	2:00	0:30	LC(N)	Connect HPS. Break circulation. RIH to 2796.2mBRT(10m below 20"casing shoe).
				Spot LCM 10m3 w/100spm(6.3Mpa). Displace Mud 30.3m3 w/100spm(5.1-6.2Mpa).
2:00	2:30	0:30	LC(N)	Pick up and POOH to 2706.2m (90m pick up).
2:30	3:00	0:30	LC(N)	Flow Check 30min.Observe lost mud 1.5m3/h. LCM 10m3
3:00	3:30	0:30	LC(N)	Pump w/100spm 6.6Mpa. (Observe pit level: lost mud 2.52m3/h) TAN CAL M 3%
3:30	3:45	0:15	LC(N)	Flow Check 15min.Observe lost mud 1.2m3/h. TAN CAL F 3%
3:45	4:00	0:15	LC(N)	Pump w/100spm 6.6Mpa. (Observe pit level: lost mud 2.12m3/h) Tel Plug F 2%
4:00	4:15	0:15	LC(N)	Flow Check 15min.Observe lost mud 0.56m3/h.
4:15	6:00	1:45	Trip	Continue to RIH with 12-1/4"DRLG ass'y from 2706.2m to 3365m.
				Lost circulation rate: 1.8m3/hr, Lost volume 10.9m3

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	TFA (in^2)	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Bit Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP
RR4a	10-5/8"	Maikai	KM415		87107	5x14mm	1.19	3,592.0	3,676.2	84.2	5.20					39	1	0	BT	C	-	I	-	BHA
RR3a	12-1/4"	Hycalog	RSX519S-D2	S422	218338	2x14,5x15	1.96																	

BHA RECORD / CORE BARREL TYPE

BHA No. RR4a: 10-5/8"PDC core bit x bit sub(w/10-5/8"stab) x outer core barrel x Top sub x Head sub x 10-5/8"core stab x 8-1/2"coring DC(5) x Coring Jar x 8-1/2"coring DC(5) x 5-1/2"DP S-140 x X-O x 5-1/2"DP S-150

RR3a: 12-1/4"PDC x 12-1/4"NB stab(w/ported float) x 8"NMDC x 8-1/2"DC(1) x 12" Stab x 8-1/2"DC(5) x 7-3/4"Jar x 8-1/2"DC(5) x XO x 5-1/2"DP S140(25stds) x XO x 5-1/2"DP S-150

String Wt.(kN)	@3628 mBRT
String total w/ HPS&TB	2270
Pick up Weight w/ HPS&TB	2280
Slack off weight w/ HPS&TB	2260
HPS & Traveling Block	690
BHA below Jar	95

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	W	S	Sand %	PPG	MBC	n	K	Temp In	Out	Dilution rate
KNPP	8:00	PIT	1.10	91	36	37	7	8	4.1	0.5	10.6	0.2	71,700	28,000	0	94	6	0.2		0.5	0.58	1.98	17		
KNPP	14:00	PIT	1.10	93																					

CUTTING SKIP

Empty	42
Full	0
Back up	2
S.Boat	1
Shingu full	0
empty	5
Total	50

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/146	#5	10	165/145
#3	10	165/146	#6	10	165/145

	Desander	Mudcleaner	Centrifuge
#1	off	off	off
#2	off	off	off
#3			off

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.	Generated Vol.	Daily	Total
Concentrated				Distilled Water		
Solidification				Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	DP	ECD @ shoe
1	6						
2	6						
3	6						

Mud Gas

Base (%)	Max. (%)	Depth (m)
Trip Gas		–
Conn. Gas		–

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	5,500	202,000
Kingie-VO (Bulk)	0	0	16,700
NaOH	0	0	1,700
KOH	0	75	1,700
Lime	0	0	950
Soda Ash	0	0	1,600
Tel-Polymer(H)	1,700	140	1,900
Tel-Polymer(L)	0	520	2,500
Tel-Polymer DX	400	700	4,840
XCD-Polymer	0	0	1,000
Xian-Vis	400	125	1,125
NaCl (Bag)	14,000	6,000	19,000
KCL (Bag)	14,000	4,000	18,000
Clean Lube (L)	0		6,000
Clean Lube	4,800	2,000	9,000
Tel-DD	0	200	600
Liqnite NC	0	0	3,600
Telnite GXL	0	0	270
Speeder (P)	0	0	1,700
Speeder (X)	0	0	1,700
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0	0	500/1000
Tel Mica C/M/F	0	0	500/500/1000
Tel Plug C/M/F	0	0/0/200	500/500/800
TAN CAL M/F	0	300/300	3690/3660

HELICOPTER INFORMATION (JA6655)

Flt. No.	Time Arrived	Departed	Passenger Are.	Dept.
1	9:14	9:23	8	7
2	11:15	11:23	8	9
3				
4				

LEAK OFF TEST DATA

Leak off Test On	25-Jun.-2009
Lopes. @Surface	105psi
Leaked off EMW @shoe	1.114sg
Ruptured EMW @shoe	not observed

BOP TESTS

Last Test On	22-Jun-05
Annular BOPs To	3000psi (20.6Mpa)
Ram BOPs To	3000psi (20.6Mpa)

KICK TOLERANCE

Max. Allow CSG Pre.	
Kick Tolerance	

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

GEOLOGIC INFORMATION

From	To	Litho logy

PERSONNEL @24:00

CDEX	8
MQJ Crew	87
MQJ(Other)	2
MWJ	14
Scientist	14
Sub Con.	
SLB D&M	0
SLB W/L	5
SLB CMT	1
Mud Logging	4
MI-Swaco	4
ROV	3
Telnite	2
Vetco Gray	0
NOV	1
WF / Tenaris	3
Vendors	0
Others	0
Total	148

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Chikyu	18:50	
#7KAIKO	Chikyu	20:35	
Heisei Maru	Chikyu		

Heave (m)	0.3
Pitch (deg)	0.4
Roll (deg)	0.2
Swell (m)	1.3
Vessel Heading (deg)	250.0
Drift (m)	0.3
Riser Tension (kN)	7,869.0
V.D. Load (Moon)	11,658.8
Max Draught (m)	9.2
Thruster (kW)	2,905
No. of transponders	10
Engine output(kW)	5,600
	P :33%, S:24%

MATERIALS STOCK on BOARD @24:00

Item		RECEIVED	USED	STOCK
Fresh Water	m3	0	70	195
Potable Water	m3	0	3	172
Drill Water	m3	104	80	1,614
Fuel	m3	0	50.1	5,408.7
Lube, Oil	Ltrs	0	1000	69,300
Heli Fuel	Ltrs	0	0	0
Cement "G"	ton	0	0	44
Cement "DEEP CRETE"	ton	0	0	12.5
Cement "LWC"	ton	0	0	91.5

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	SW	Barometer (hPa)	WIND Speed(m/s)	Dir. (deg)	Gust (m/s)	WAVE Height(m)	Dir. (deg)	Period (s)	CURRENT Speed(kts)	Dir. (deg)	VISIBILITY (km)
0:00	c	25.5	23.7	1007.9	16.2	220	17.9	1.3	220	5.7	0.9	67	20

TODAY'S SCHEDULE : **Open Hole to 12-1/4" / Drill 10m of 12-1/4" new hole / Wiper Trip / POOH**

REPORTED BY : T.Saruhashi / D.Ikenomoto

APPROVED BY : T.Abe

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 62

HOLE NAME : C0009A **SITE NAME :** NT2-11B **Exp. :** 319 **REPORT DATE :** 11/Jul/2009

DEPTH : @24:00 **3,686.0** mBRT **1,603.7** mbsf PROGRESS : **9.8m** Water Depth : **2,082.3** mBRT (**2054** mMSL) RT-MSL : **28.3** m SINCE MOVE : **60**

@06:00 **3,686.0** mBRT **1,603.7** mbsf DRILLING/CORING Hrs. : **-** hrs LAST CASING : **20"** x **703.9** mbsf

SUMMARY OF OPERATION **RIH with 12-1/4" DRLG Ass'y / Open Hole to 12-1/4" / Drill 10m of 12-1/4" new hole / Wiper Trip/ POOH**

PRESENT OPERATION @06:00 on **11-Jul** : **Check trip to bottom**

mBRT: meter below rotary table

mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **10-Jul**)

From	To	Hrs	Code	DETAIL of OPERATION		
0:00	1:30	1:30	Trip	Continue to RIH with 12-1/4"DRLG ass'y to 2780m		
1:30	2:00	0:30	LC(N)	Connect HPS. Break circulation. RIH to 2796.2mBRT(10m below 20"casing shoe).		
				Spot LCM 10m3 w/100spm(6.3Mpa). Displace Mud 30.3m3 w/100spm(5.1-6.2Mpa).		
2:00	2:30	0:30	LC(N)	Pick up and POOH to 2706.2m (90m pick up).		
2:30	3:00	0:30	LC(N)	Flow Check 30min.Observe lost mud 1.5m3/h.	LCM 10m3	
3:00	3:30	0:30	LC(N)	Pump w/100spm 6.6Mpa. (Observe pit level: lost mud 2.52m3/h)	TAN CAL M	3%
3:30	3:45	0:15	LC(N)	Flow Check 15min.Observe lost mud 1.2m3/h.	TAN CAL F	3%
3:45	4:00	0:15	LC(N)	Pump w/100spm 6.6Mpa. (Observe pit level: lost mud 2.12m3/h)	Tel Plug F	2%
4:00	4:15	0:15	LC(N)	Flow Check 15min.Observe lost mud 0.56m3/h.		
4:15	6:30	2:15	Trip	Continue to RIH with 12-1/4"DRLG ass'y from 2706.2m to 3450m.		
6:30	8:15	1:45	W&R	Observe tag weight 20-40kN @3450m. Connect HPS. Ream down from 3443m to 3592m w/50-100spm, 30RPM-4kNm.		
8:15	13:00	4:45	Open	Open hole coring section to 12-1/4" from 3592m to 3676m. P/R 140spm 13-15Mpa, 80rpm 3-8kNm, 0-5kN.		
13:00	14:00	1:00	DRLG	Drill 12-1/4"hole from 3676m to 3686m P/R 140spm 14Mpa, 80rpm 0-9kNm, 0-10kN.		
14:00	19:45	5:45	C&C	Sweep hole with 10m3 of Hivis with 60rpm, 140spm and 60-90spm on boost line.(13.1Mpa, 2-3kNm)		
19:45	20:00	0:15	Trip	POOH from 3682mBRT without pump and rotation. Observed 300kN OP at 3680mBRT and break free.		
20:00	23:00	3:00	Trip	Rack back one stand and PU to 3660m. Observed 300kN OP again.		
				Connect HPS and attempt to ream out the tight spot. Stalled HPS motor and hole packed off at 3660mBRT.		
				Break string free and ream tight section several time.		
				POOH and observe tight spot 80-100kN OP at 3641, 3638 and 3633mBRT. Ream tight spot several time.		
				No over pull observed above 3612mBRT (top stabilizer is passed above new open hole section). Estimated top stabilizer is fully bowled up.		
23:00	0:00	1:00	Other(N)	Attempt to rack back 1stand at 3595mBRT. Elevator is accidently opened before racker arm is latched. The drill pipe std leaned to aft stbd.		
				Hold and rack back the std with hydrauracker.		
					ECD:	1.105sg(@20"shoe),1.11sg(@3686mbrt)
				Lost circulation rate: 1.7m3/hr, Total lost volume today : 39m3		

TIME BREAKDOWN (00:00 - 06:00 on **11-Jul**) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	0:45	0:45	C&C	Attempt to remove cuttings around stabilizer with 160rpm and 160spm (15.5Mpa, 6kNm) at 3554-3587mBRT.
0:45	1:45	1:00	Trip	Run back again w/o pumping and rotation to bottom.
				Take weight 100kN at 3672mBRT. Pass tight spot with 10rpm and 140spm.
1:45	3:00	1:15	C&C	Circulate hole clean with 20m3 of hi-vis at bottom with 160spm + boost 90spm and 100rpm (16.0Mpa, 4.0kNm)
3:00	5:30	2:30	C&C	Bottoms up to BOP and rack back one stand and continue to circulate hole clean with 160spm + boost 90spm, 100rpm.
5:30	6:00	0:30	Other	Run back to bottom and take weight 40kN at 3685m.(1m above bottom)
				Lost circulation rate: 2.36m3/hr, Lost volume 14.2m3

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	TFA (in^2)	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Bit Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP
RR3a	12-1/4"	Hycalog	RSX519S-D2	S422	218338	2x14,5x15	1.96	3,676.2	3,686.0	9.8	1.19	10	29	83		12								
						(Hole openning)		3,592.0	3,676.2	84.2	3.01	10	29	83		32								

BHA RECORD / CORE BARREL TYPE

BHA No. RR3a 12-1/4"PDC x 12-1/4"NB stab(w/ported float) x 8"NMDC x 8-1/2"DC(1) x 12" Stab x 8-1/2"DC(5) x 7-3/4"Jar x 8-1/2"DC(5) x XO x 5-1/2"DP S140(25stds) x XO x 5-1/2"DP S-150

String Wt.(kN)	@3669 mBRT
String total w/ HPS&TB	2280
Pick up Weight w/ HPS&TB	2290
Slack off weight w/ HPS&TB	2270
HPS & Traveling Block	690
BHA below Jar	95

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	W	S	Sand %	PPG	MBC	n	K	Temp In	Out	Dilution rate
KNPP	5:00	PIT	1.10	90																					
KNPP	17:00	PIT	1.10	93	35	38	6	9	4	0.5	10.6	0.2	71,300		0	94	6	0.2		0.5	0.57	2.15	18	16	

CUTTING SKIP

Empty	42
Full	0
Back up	2
S.Boat	1
Shingu full	0
empty	5
Total	50

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/145	#5	10	165/145
#3	10	165/145	#6	10	165/145

	Desander	Mudcleaner	Centrifuge
#1	off	off	off
#2	off	off	off
#3			off

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.	Generated Vol.	Daily	Total
Concentrated				Distilled Water		
Solidification				Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	DP	ECD @ shoe
1	6						
2	6						
3	6						

Mud Gas

Base (%)	Max. (%)	Depth (m)
0.06		3677-3686
Trip Gas		–
Conn. Gas		–

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	4,500	197,500
Kingie-VO (Bulk)	0	0	16,700
NaOH	0	0	1,700
KOH	0	75	1,700
Lime	0	0	950
Soda Ash	0	0	1,600
Tel-Polymer(H)	0	60	1,840
Tel-Polymer(L)	0	0	2,500
Tel-Polymer DX	0	0	4,840
XCD-Polymer	0	0	1,000
Xian-Vis	0	50	1,075
NaCl (Bag)	0	0	19,000
KCL (Bag)	0	0	18,000
Clean Lube (L)	0		6,000
Clean Lube	0	0	9,000
Tel-DD	0	0	600
Liqnite NC	0	0	3,600
Telnite GXL	0	0	270
Speeder (P)	0	0	1,700
Speeder (X)	0	0	1,700
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0	0	500/1000
Tel Mica C/M/F	0	0	500/500/1000
Tel Plug C/M/F	0	0/0/200	500/500/600
TAN CAL M/F	0	300/300	3390/3360

HELICOPTER INFORMATION (JA6655)

Flt. No.	Time Arrived	Departed	Passenger Are.	Dept.
1	9:20	9:27	6	7
2				
3				
4				

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

LEAK OFF TEST DATA

Leak off Test On	25-Jun.-2009
Lopes. @Surface	105psi
Leaked off EMW @shoe	1.114sg
Ruptured EMW @shoe	not observed

BOP TESTS

Last Test On	22-Jun-05
Annular BOPs To	3000psi (20.6Mpa)
Ram BOPs To	3000psi (20.6Mpa)

KICK TOLERANCE

Max. Allow CSG Pre.	
Kick Tolerance	

PERSONNEL @24:00

CDEX	8
MQJ Crew	87
MQJ(Other)	1
MWJ	14
Scientist	14
Sub Con.	
SLB D&M	0
SLB W/L	5
SLB CMT	1
Mud Logging	4
MI-Swaco	4
ROV	3
Telnite	2
Vetco Gray	0
NOV	1
WF / Tenaris	3
Vendors	0
Others	0
Total	147

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Chikyu	18:50	22:05
#7KAIKO	Chikyu		
Heisei Maru	Chikyu		

GEOLOGIC INFORMATION

From	To	Litho logy
3677	3686	Clyst 100%

MATERIALS STOCK on BOARD @24:00

Item		RECEIVED	USED	STOCK
Fresh Water	m3	104	65	234
Potable Water	m3	0	3	169
Drill Water	m3	0	16	1,598
Fuel	m3	0	50.5	5,358.2
Lube, Oil	Ltrs	0	500	68,800
Heli Fuel	Ltrs	0	0	0
Cement "G"	ton	0	0	44
Cement "DEEP CRETE"	ton	0	0	12.5
Cement "LWC"	ton	0	0	91.5

Heave (m)	0.3
Pitch (deg)	0.4
Roll (deg)	0.3
Swell (m)	1.8
Vessel Heading (deg)	250.0
Drift (m)	0.2
Riser Tension (kN)	7,847.0
V.D. Load (Moon)	11,560.9
Max Draught (m)	9.2
Thruster (kW)	1,173
No. of transponders	10
Engine output(kW)	6,880
	P :38%, S:30%

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	SW	Barometer (hPa)	WIND Speed(m/s)	Dir. (deg)	Gust (m/s)	WAVE Height(m)	Dir. (deg)	Period (s)	CURRENT Speed(kts)	Dir. (deg)	VISIBILITY (km)
0:00	c	25	23.5	1008.1	11.5	250	12.2	1.8	220	6.9	1.3	93	15

TODAY'S SCHEDULE : **POOH wiper trip BHA**

REPORTED BY : T.Saruhashi / D.Ikenomoto

APPROVED BY : I.Sawada

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02 | **REPORT No. :** 63

HOLE NAME :	C0009A	**SITE NAME :**	NT2-11B	**Exp. :**	319
REPORT DATE :	12/Jul/2009				

DEPTH : @24:00 **3,686.0** mBRT **1,603.7** mbsf PROGRESS : - Water Depth : **2,082.3** mBRT (**2054** mMSL) RT-MSL : **28.3** m SINCE MOVE : **61**

@06:00 **3,686.0** mBRT **1,603.7** mbsf DRILLING/CORING Hrs. : - hrs LAST CASING : **20"** x **703.9** mbsf

SUMMARY OF OPERATION **Wiper Trip/ POOH/Log #1 EMS-HRLA-PEX-GR**

PRESENT OPERATION @06:00 on **12-Jul** : **Run Log #1 EMS-HRLA-PEX-GR**

mBRT: meter below rotary table
mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **11-Jul**)

From	To	Hrs	Code	DETAIL of OPERATION		
0:00	0:45	0:45	C&C	Attempt to remove cuttings around stabilizer with 160rpm and 160spm (15.5Mpa, 6kNm) at 3554-3587mBRT.		
0:45	1:45	1:00	Trip	Run back again w/o pumping and rotating to bottom.		
				Take weight 100kN at 3672mBRT. Pass tight spot with 10rpm and 140spm.		
1:45	3:00	1:15	C&C	Circulate hole clean with 20m3 of hi-vis at bottom with 160spm + boost 90spm and 100rpm (16.0Mpa, 4.0kNm)		
3:00	5:30	2:30	C&C	Bottoms up to BOP and rack back one stand and continue to circulate hole clean with 160spm + boost 90spm, 100rpm.		
5:30	6:15	0:45	Other	Run back to bottom and take weight 40kN at 3685m.(1m above bottom)		
6:15	6:45	0:30	Trip	POOH. Observe OP 200kN @3680m. Up reaming from 3680m to 3634m w/ 30spm-4.3Mpa 20rpm.		
6:45	9:30	2:45	Trip	POOH from 3634m to 2796m.		
9:30	10:00	0:30	Trip	Spot 10m3 of LCM. Displace w/mud 30.3m3.		
10:00	10:15	0:15	Trip	POOH to 2706.2m. Flow check static.	LCM 10m3	
10:15	14:30	4:15	Trip	Continue to POOH to 1057mBRT	TAN CAL M	3%
14:30	15:30	1:00	Other (N)	Leak on Hydraracker hydraulic hose in drag chain. Repair same.	TAN CAL F	3%
15:30	20:00	4:30	Trip	Continue to POOH to surface. Confirm bottom stabilizer bowled up and top no balled up.	Tel Plug F	2%
20:00	22:30	2:30	log	Conducted TBRA and RU Schlumberger wire line logging. Set up compensation wire on Hook Block. Flow check on trip tank. 1.3m3/h.		
22:30	0:00	1:30	log	Pick up and make up No.1 logging tool by Shlumberger.		
				Build 7 stands of 13-3/8"CSG and set back in derrick at off line. (Initial building speed 1std/hr)		
				Lost circulation rate: 1.58m3/hr, Total lost volume today : 36m3		

TIME BREAKDOWN (00:00 - 06:00 on 12-Jul) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	1:00	1:00	log	Continue to pick up and make up #1 wire line logging tool by Schlumberger.
1:00	1:45	0:45	log	Set up passive heave compensation with CMC.
1:45	6:00	4:15	log	Run #1 wire line logging.(EMS-HRLA-PEX-GR)
				↓ tools slacked off from 3661m to 3667mbrt (wire line depth) Reciprocate tools several times but couldn't go down.
				↑ Log from 3665.4m to 3000m.
				Lost mud rate: 1.47m3/hr, Lost volume 8.8m3

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	TFA (in^2)	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Bit Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP
RR3a	12-1/4"	Hycalog	RSX519S-D2	S422	218338	2x14,5x15	1.96	3,676.2	3,686.0	9.8	1.19					12	1	1	WT	C	-	1/32	TR	TD
							(Hole opening)	3,592.0	3,676.2	84.2	3.01					32								

BHA RECORD / CORE BARREL TYPE

BHA No. RR3a 12-1/4"PDC x 12-1/4"NB stab(w/ported float) x 8"NMDC x 8-1/2"DC(1) x 12" Stab x 8-1/2"DC(5) x 7-3/4"Jar x 8-1/2"DC(5) x XO x 5-1/2"DP S140(25stds) x XO x x 5-1/2"DP S-140 x X-O x 5-1/2"DP S-150

String Wt.(kN)	@3686 mBRT
String total w/ HPS&TB	2280
Pick up Weight w/ HPS&TB	2290
Slack off weight w/ HPS&TB	2270
HPS & Traveling Block	690
BHA below Jar	95

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	W	S	Sand %	PPG	MBC	n	K	Temp In	Out	Dilution rate
KNPP	5:30	3,686	1.10	97	35	40	7	8	4.1	0.5	10.6	0.2	71,700	26,400	0	94	6	0.2		0.5	0.55	2.39	16	13	
KNPP	20:00	PIT	1.10	65																					

CUTTING SKIP

Empty	42
Full	0
Back up	2
S.Boat	1
Shingu full	0
empty	5
Total	50

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/146	#5	10	165/145
#3	10	165/146	#6	10	165/145

	Desander	Mudcleaner	Centrifuge
#1	off	off	off
#2	off	off	off
#3			off

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.	Generated Vol.	Daily	Total
Concentrated				Distilled Water		
Solidification				Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	DP	ECD @ shoe
1	6						
2	6						
3	6						

Mud Gas

Base (%)	Max. (%)	Depth (m)
Trip Gas		–
Conn. Gas		–

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	197,500
Kingie-VO (Bulk)	0	0	16,700
NaOH	0	0	1,700
KOH	0	75	1,625
Lime	0	0	950
Soda Ash	0	0	1,600
Tel-Polymer(H)	0	220	1,620
Tel-Polymer(L)	1,500	520	3,480
Tel-Polymer DX	0	700	4,140
XCD-Polymer	0	0	1,000
Xian-Vis	0	175	900
NaCl (Bag)	20,000	6,000	33,000
KCL (Bag)	0	4,000	14,000
Clean Lube (L)	0		6,000
Clean Lube	0	200	7,000
Tel-DD	0	200	400
Liqnite NC	0	0	3,600
Telnite GXL	0	0	270
Speeder (P)	0	0	1,700
Speeder (X)	0	0	1,700
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0	0	500/1000
Tel Mica C/M/F	0	0	500/500/1000
Tel Plug C/M/F	0	0/0/200	500/500/600
TAN CAL M/F	0	300/300	3390/3360

HELICOPTER INFORMATION (JA6655)

Flt. No.	Time Arrived	Departed	Passenger Are.	Dept.
1				
2				
3				
4				

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	
REMARKS		

LEAK OFF TEST DATA

Leak off Test On	25-Jun.-2009
Lopes. @Surface	105psi
Leaked off EMW @shoe	1.114sg
Ruptured EMW @shoe	not observed

BOP TESTS

Last Test On	22-Jun-05
Annular BOPs To	3000psi (20.6Mpa)
Ram BOPs To	3000psi (20.6Mpa)

KICK TOLERANCE

Max. Allow CSG Pre.	
Kick Tolerance	

PERSONNEL @24:00

CDEX	8
MQJ Crew	87
MQJ(Other)	1
MWJ	14
Scientist	14
Sub Con.	
SLB D&M	0
SLB W/L	5
SLB CMT	1
Mud Logging	4
MI-Swaco	4
ROV	3
Telnite	2
Vetco Gray	0
NOV	1
WF / Tenaris	3
Vendors	0
Others	0
Total	147

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Chikyu		
#7KAIKO	Chikyu		
Heisei Maru	Chikyu		

GEOLOGIC INFORMATION

From	To	Litho logy

MATERIALS STOCK on BOARD @24:00

Item		RECEIVED	USED	STOCK
Fresh Water	m3	103	64	273
Potable Water	m3	0	3	166
Drill Water	m3	0	69	1,529
Fuel	m3	0	53.9	5,304.3
Lube, Oil	Ltrs	0	0	68,800
Heli Fuel	Ltrs	0	0	0
Cement "G"	ton	0	0	44
Cement "DEEP CRETE"	ton	0	0	12.5
Cement "LWC"	ton	0	0	91.5

Heave (m)	0.2
Pitch (deg)	0.3
Roll (deg)	0.1
Swell (m)	1.0
Vessel Heading (deg)	270.0
Drift (m)	0.2
Riser Tension (kN)	8,677.0
V.D. Load (Moon)	11,581.8
Max Draught (m)	9.2
Thruster (kW)	2,070
No. of transponders	10
Engine output(kW)	6,450
	P:39%, S:28%

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	SW	Barometer (hPa)	WIND Speed(m/s)	Dir. (deg)	Gust (m/s)	WAVE Height(m)	Dir. (deg)	Period (s)	CURRENT Speed(kts)	Dir. (deg)	VISIBILITY (km)
0:00	c	24.5	24.6	1012.8	6.7	250	7.5	1	230	7	2.9	89	20

TODAY'S SCHEDULE : **Wire line logging #1,#2 / Wiper trip**

REPORTED BY : T.Saruhashi / D.Ikenomoto
APPROVED BY : I.Sawada

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 64

HOLE NAME : C0009A **SITE NAME :** NT2-11B **Exp. :** 319 **REPORT DATE :** 13/Jul/2009

DEPTH : @24:00 **3,686.0** mBRT **1,603.7** mbsf PROGRESS : - Water Depth : **2,082.3** mBRT (**2054** mMSL) RT-MSL : **28.3** m SINCE MOVE : **62**

@06:00 **3,686.0** mBRT **1,603.7** mbsf DRILLING/CORING Hrs. : - hrs LAST CASING : **20"** x **703.9** mbsf

SUMMARY OF OPERATION **Wire line logging #1, #2.**

PRESENT OPERATION @06:00 on **13-Jul** : **RIH Wiper Trip Assembly.**

mBRT: meter below rotary table
mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **12-Jul**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	1:00	1:00	log	Continue to pick up and make up #1 wire line logging tool by Schlumberger.
1:00	1:45	0:45	log	Set up passive heave compensation with CMC.
1:45	4:00	2:15	log	Run #1 wire line logging.(EMS-HRLA-PEX-GR)
4:00	4:30	0:30	log	Tools slacked off ,from 3661m to 3667mbrt (wire line depth) Reciprocate tools several times but couldn't go down.
4:30	6:30	2:00	log	Log up from 3667m to 2786mbrt (include repeat section 3667m-3575m).
6:30	9:00	2:30	log	POOH from 2786m to surface.
9:00	10:15	1:15	log	Lay down logging tools.(EMS-HRLA-PEX-GR)
10:15	11:30	1:15	log	Prepare for Make up #2wire line logging.
11:30	13:15	1:45	log	Make up #2 wire line logging.(FMI-HNGC-Sonic Scanner-EMS-PPC)
13:15	15:15	2:00	log	Run #2 wire line logging.
15:15	16:15	1:00	log(N)	Bolt sheared on oscillation unit of logging unit. Repair unit while standby logging tool inside 20" shoe.
16:15	18:45	2:30	log	RIH #2 from 2780mBRT to 3656mBRT. Take weight 300lbs at 3656mBRT. Pass through tight spot in 2nd attempt.
18:45	19:00	0:15	log	Attempt to pass through tight spot several time to 3663mBRT w/o success. (Take weight 400lbs)
19:00	22:30	3:30	log	Log up from 3663mBRT to 2786mBRT.(HNGC log failed due to malfunction)
22:30	0:00	1:30	log	POOH #2 wire line logging.
				Pick up & make up 13-3/8" CSG, and rack back same. 19stands (Total 25stands on finger)
				Lost circulation rate: 1.7m3/hr, Total lost volume today : 41m3

TIME BREAKDOWN (00:00 - 06:00 on 13-Jul) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	1:00	1:00	log	Continue to POOH #2 wire line logging to 422m.
1:00	1:30	0:30	log(N)	Trouble shooting for wire line winch's motor failure. Reset and work again.
1:30	1:45	0:15	log	Continue to POOH #2 wire line logging from 422m to surface.
1:45	3:15	1:30	log	Lay down logging tools.(FMS-HNGC-Sonic Scanner-EMS-PPC)
3:15	4:15	1:00	log	Rig down wire line equipment.
4:15	4:45	0:30	Trip	Rig up for RIH wiper trip assembly.
4:45	6:00	1:15	Other(N)	Trouble shoot for hydraulic elevator.
				Lost mud rate: 1.92m3/hr, Lost volume 11.5m3

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	TFA (in^2)	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Bit Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP
5	12-1/4"	TIX	MSSTX	137	61173-T	3x24/32	1.32																	

BHA RECORD / CORE BARREL TYPE

BHA No. 5 12-1/4"Bit x 12-1/4"NB stab(w/ported float) x 8"NMDC x 8-1/2"DC(1) x 12" Stab x 8-1/2"DC(5) x 7-3/4"Jar x 8-1/2"DC(5) x XO x 5-1/2"DP S140(25stds) x XO x 5-1/2"DP S-140 x X-O x 5-1/2"DP S-150

String Wt.(kN)	mBRT
String total w/ HPS&TB	
Pick up Weight w/ HPS&TB	
Slack off weight w/ HPS&TB	
HPS & Traveling Block	690
BHA below Jar	

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	W	S	Sand %	PPG	MBC	n	K	Temp In	Out	Dilution rate
KNPP	7:00	PIT	1.10	93																					
KNPP	22:00	PIT	1.10	83	30	32	7	8			11.5										0.57	1.78	26.5		

CUTTING SKIP

Empty	42
Full	0
Back up	2
S.Boat	1
Shingu full	0
empty	5
Total	50

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/146	#5	10	165/145
#3	10	165/146	#6	10	165/145

	Desander	Mudcleaner	Centrifuge
#1	off	off	off
#2	off	off	off
#3			off

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.	Generated Vol.	Daily	Total
Concentrated				Distilled Water		
Solidification				Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	DP	ECD @ shoe
1	6						
2	6						
3	6						

Mud Gas

Base (%)	Max. (%)	Depth (m)
Trip Gas		–
Conn. Gas		–

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	197,500
Kingie-VO (Bulk)	0	0	16,700
NaOH	0	0	1,700
KOH	0	225	1,400
Lime	0	0	950
Soda Ash	0	0	1,600
Tel-Polymer(H)	0	420	1,200
Tel-Polymer(L)	0	1,680	1,800
Tel-Polymer DX	0	1,900	2,240
XCD-Polymer	0	0	1,000
Xian-Vis	0	375	525
NaCl (Bag)	0	18,000	15,000
KCL (Bag)	0	12,000	2,000
Clean Lube (L)	0		6,000
Clean Lube	0	6,000	1,000
Tel-DD	0	400	0
Liqnite NC	0	0	3,600
Telnite GXL	0	0	270
Speeder (P)	0	0	1,700
Speeder (X)	0	0	1,700
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0	0	500/1000
Tel Mica C/M/F	0	0	500/500/1000
Tel Plug C/M/F	0	0/0/200	500/500/600
TAN CAL M/F	0	300/300	3390/3360

HELICOPTER INFORMATION (JA6655)

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1				
2				
3				
4				

LEAK OFF TEST DATA

Leak off Test On	25-Jun.-2009
Lopes. @Surface	105psi
Leaked off EMW @shoe	1.114sg
Ruptured EMW @shoe	not observed

BOP TESTS

Last Test On	22-Jun-05
Annular BOPs To	3000psi (20.6Mpa)
Ram BOPs To	3000psi (20.6Mpa)

KICK TOLERANCE

Max. Allow CSG Pre.	
Kick Tolerance	

PERSONNEL @24:00

CDEX	8
MQJ Crew	87
MQJ(Other)	1
MWJ	14
Scientist	14
Sub Con.	
SLB D&M	0
SLB W/L	5
SLB CMT	1
Mud Logging	4
MI-Swaco	4
ROV	3
Telnite	2
Vetco Gray	0
NOV	1
WF / Tenaris	3
Vendors	0
Others	0
Total	147

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Shingu		19:20
#7KAIKO	Chikyu		
Heisei Maru	Chikyu		

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

・General safty meeting was held at 11th 13:00,19:00 and 12th 00:30.
・Emergency drill for oil spill and muster was carried out at 12th 10:00.

GEOLOGIC INFORMATION

From	To	Litho logy

MATERIALS STOCK on BOARD @24:00

Item		RECEIVED	USED	STOCK
Fresh Water	m3	50	60	263
Potable Water	m3	0	3	163
Drill Water	m3	51	193	1,387
Fuel	m3	0	46.1	5,258.2
Lube, Oil	Ltrs	0	0	68,800
Heli Fuel	Ltrs	0	0	0
Cement "G"	ton	0	0	44
Cement "DEEP CRETE"	ton	0	0	12.5
Cement "LWC"	ton	0	0	91.5

Heave (m)	0.2
Pitch (deg)	0.3
Roll (deg)	0.1
Swell (m)	0.8
Vessel Heading (deg)	250.0
Drift (m)	0.1
Riser Tension (kN)	8,612.0
V.D. Load (Moon)	11,559.9
Max Draught (m)	9.2
Thruster (kW)	1,347
No. of transponders	10
Engine output(kW)	6,150
	P:37%, S:24%

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(kts)	CURRENT Dir. (deg)	VISIBILITY (km)
0:00	hc	25	25.5	1014.7	11.2	210	12.2	0.8	210	7	0.9	0.61	20

TODAY'S SCHEDULE : **RD logging equipment / RIH w/Wiper Trip Assembly / BTMs up / POOH w/Wiper Trip Assembly**

REPORTED BY : T.Saruhashi / D.Ikenomoto

APPROVED BY : I.Sawada

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 65

HOLE NAME : C0009A **SITE NAME :** NT2-11B **Exp. :** 319 **REPORT DATE :** 14/Jul/2009

DEPTH : @24:00 **3,686.0** mBRT **1,603.7** mbsf PROGRESS : - Water Depth : **2,082.3** mBRT (**2054** mMSL) RT-MSL : **28.3** m SINCE MOVE : **63**

@06:00 **3,686.0** mBRT **1,603.7** mbsf DRILLING/CORING Hrs. : - hrs LAST CASING : **20"** x **703.9** mbsf

SUMMARY OF OPERATION **Rig down wire line logging / RIH w/Wiper Trip Assy / Circulate BTMs up**

PRESENT OPERATION @06:00 on **14-Jul** : **POOH with Wiper Trip Assembly**

mBRT: meter below rotary table
mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **13-Jul**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	1:00	1:00	log	Continue to POOH #2 wire line logging to 422m.
1:00	1:30	0:30	log(N)	Trouble shooting for wire line winch's motor failure. Reset and work again.
1:30	1:45	0:15	log	Continue to POOH #2 wire line logging from 422m to surface.
1:45	3:15	1:30	log	Lay down logging tools.(FMS-HNGC-Sonic Scanner-EMS-PPC)
3:15	4:15	1:00	log	Rig down wire line equipment.
4:15	4:45	0:30	Trip	Rig up for RIH wiper trip assembly.
4:45	6:45	2:00	Other(N)	Trouble shoot for hydraulic elevator.
6:45	7:30	0:45	Trip	Make up Wiper Trip BHA.
7:30	15:30	8:00	Trip	RIH 12-1/4" Wiper trip assembly from surface to 2773mBRT.
15:30	16:30	1:00	C&C	Flow check, 1.8m3/hr static loss. Break circulation and circulate C/K lines. Service HPS.
16:30	18:45	2:15	Trip	RIH 12-1/4" Wiper trip assembly from surface from 2773m to 3575mBRT
18:45	19:00	0:15	C&C	Take SCR. 20spm: 2.5Mpa, 30spm: 2.9Mpa, 50spm: 3.4Mpa
19:00	19:45	0:45	Trip	Connect HPS. RIH from 3575m to 3646mBRT.
19:45	20:15	0:30	W&R	Take weight 100kN at 3646mBRT. Start Pumping w/100spm(8.2Mpa). Ream down w/60rpm to 3651mBRT. 40kN at 3651mBRT. OP 100kN at 3638mBRT.
20:15	20:30	0:15	Trip	Stop pumping and check hole condition. Take weight 40kn @3651mBRT, OP 100kN @3638m.
20:30	0:00	3:30	C&C	Sweep 20m3 of Hi-vis and sweep out of hole with 160spm active and 86spm boost (15.1Mpa), and 30rpm (2.0kNm)
				Work pipe and ream up and down from 3615m to 3653mBRT. Take weight of 100kN @3650mBRT several time.
				Pick up & make up 13-3/8" CSG, and rack back same. 7stands (Total 32stands on finger)
				Riser Tension back to normal 7900kN from 8900kN since current is reduced from 2.9knot to 1.0knots
				Lost circulation rate: 1.87m3/hr, Total lost volume today : 45m3

TIME BREAKDOWN (00:00 - 06:00 on 14-Jul) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	0:15	0:15	C&C	Continue to circulate hole clean.
0:15	1:15	1:00	Other	Check hole condition without pump and rotation. RIH to 3650mBRT and take weight 100kN. Attempt to pass 3650mBRT several time with pump and rotation without success.
1:15	1:30	0:15	Other	Pick up to 3640mBRT. Flow check. Mud loss 1.2m3/hr. Run back to 3650m. POOH from 3650 to 3613mBRT. No drug observed. Decide to rack back one stand to POOH.
1:30	2:15	0:45	Trip	POOH from 3613m to 3460mBRT. No over pull observed.
2:15	2:30	0:15	Other	Pump slug mud. Set up jumping jack.
2:30	4:30	2:00	Trip	POOH from 3460m to 2769mBRT. No over pull observed..
4:30	4:45	0:15	Other	Flow Check. Mud loss 1.3m3/hr.
4:45	6:00	1:15	Trip	POOH from 2769m to 2050mBRT.
				Lost mud rate: 1.97m3/hr, Lost volume 11.8m3

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	TFA (in^2)	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Bit Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP
5	12-1/4"	TIX	MSSTX	137	61173-T	3x24/32	1.32																	

BHA RECORD / CORE BARREL TYPE

BHA No. 5 12-1/4"Bit x 12-1/4"NB stab(w/ported float) x 8"NMDC x 8-1/2"DC(1) x 12" Stab x 8-1/2"DC(5) x 7-3/4"Jar x 8-1/2"DC(5) x XO x 5-1/2"DP S140(25stds) x XO x x 5-1/2"DP S-140 x X-O x 5-1/2"DP S-150

String Wt.(kN)	@3640 mBRT
String total w/ HPS&TB	2260
Pick up Weight w/ HPS&TB	2270
Slack off weight w/ HPS&TB	2250
HPS & Traveling Block	690
BHA below Jar	180

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	W	S	Sand %	PPG	MBC	n	K	Temp In	Out	Dilution rate
KNPP	7:00	PIT	1.10	76	27	35	7	8			11.5										0.52	2.40	28		
KNPP	15:00	PIT	1.10	79																					

CUTTING SKIP

Empty	40
Full	0
Back up	2
S.Boat	3
Shingu full	0
empty	5
Total	50

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/146	#5	10	165/145
#3	10	165/146	#6	10	165/145

	Desander	Mudcleaner	Centrifuge
#1	off	off	off
#2	off	off	off
#3			off

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.	Generated Vol.	Daily	Total
Concentrated				Distilled Water		
Solidification				Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	DP	ECD @ shoe
1	6	80	800	15.1			
2	6	80					
3	6	86					

Mud Gas

Base (%)	Max. (%)	Depth (m)
Trip Gas		–
Conn. Gas		–

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	197,500
Kingie-VO (Bulk)	0	0	16,700
NaOH	0	0	1,700
KOH	0	0	1,400
Lime	0	0	950
Soda Ash	0	0	1,600
Tel-Polymer(H)	0	60	1,140
Tel-Polymer(L)	0	0	1,800
Tel-Polymer DX	0	0	2,240
XCD-Polymer	0	0	1,000
Xian-Vis	0	0	525
NaCl (Bag)	0	0	15,000
KCL (Bag)	0	0	2,000
Clean Lube (L)	0	0	6,000
Clean Lube	0	0	1,000
Tel-DD	0	0	0
Lignite NC	0	0	3,600
Telnite GXL	0	0	270
Speeder (P)	0	0	1,700
Speeder (X)	0	0	1,700
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0	0	500/1000
Tel Mica C/M/F	0	0	500/500/1000
Tel Plug C/M/F	0	0/0/0	500/500/600
TAN CAL M/F	0	0/0	3390/3360

HELICOPTER INFORMATION (JA6655)

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	9:18	9:23	5	2
2	14:18	14:25	4	5
3				
4				

LEAK OFF TEST DATA

Leak off Test On	25-Jun.-2009
Lopes. @Surface	105psi
Leaked off EMW @shoe	1.114sg
Ruptured EMW @shoe	not observed

BOP TESTS

Last Test On	22-Jun-05
Annular BOPs To	3000psi (20.6Mpa)
Ram BOPs To	3000psi (20.6Mpa)

KICK TOLERANCE

Max. Allow CSG Pre.	
Kick Tolerance	

PERSONNEL @24:00

CDEX	8
MQJ Crew	87
MQJ(Other)	1
MWJ	14
Scientist	14
Sub Con.	
SLB D&M	2
SLB W/L	5
SLB CMT	1
Mud Logging	4
MI-Swaco	4
ROV	3
Telnite	2
Vetco Gray	0
NOV	1
WF / Tenaris	3
Vendors	0
Others	0
Total	149

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

GEOLOGIC INFORMATION

From	To	Litho logy

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Chikyu	19:00	
#7KAIKO	Chikyu		
Heisei Maru	Chikyu		

Heave (m)	0.2
Pitch (deg)	0.3
Roll (deg)	0.2
Swell (m)	1.1
Vessel Heading (deg)	250.0
Drift (m)	0.1
Riser Tension (kN)	8,040.0
V.D. Load (Moon)	11,671.3
Max Draught (m)	9.2
Thruster (kW)	938
No. of transponders	10
Engine output(kW)	6,650
	P:37%, S:29%

MATERIALS STOCK on BOARD @24:00

Item		RECEIVED	USED	STOCK
Fresh Water	m3	0	65	198
Potable Water	m3	0	2	161
Drill Water	m3	101	8	1,480
Fuel	m3	0	46.5	5,211.7
Lube, Oil	Ltrs	0	500	68,300
Heli Fuel	Ltrs	0	0	0
Cement "G"	ton	0	0	44
Cement "DEEP CRETE"	ton	0	0	12.5
Cement "LWC"	ton	0	0	91.5

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(kts)	CURRENT Dir. (deg)	VISIBILITY (km)
0:00	hc	25.5	25.3	1013.8	12.8	250	14.3	1.1	230	5.4	0.4	160	20

TODAY'S SCHEDULE : **POOH / RU logging equipment / MDT / RD loggging equipment / MU 17" Hole Assembly**

REPORTED BY : T.Saruhashi / D.Ikenomoto

APPROVED BY : I.Sawada

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02 | **REPORT No. :** 66

HOLE NAME :	C0009A	**SITE NAME :**	NT2-11B
Exp. :	319	**REPORT DATE :**	15/Jul/2009
DEPTH : @24:00	3,686.0 mBRT	1,603.7 mbsf	PROGRESS : -
@06:00	3,686.0 mBRT	1,603.7 mbsf	
Water Depth :	2,082.3 mBRT (2054 mMSL)	RT-MSL :	28.3 m
SINCE MOVE :	64	DRILLING/CORING Hrs. :	- hrs
LAST CASING :	20" x 703.9 mbsf		

SUMMARY OF OPERATION: POOH / RU logging equipment / MDT / RD logging equipment

PRESENT OPERATION @06:00 on 15-Jul : POOH MDT tools

mBRT: meter below rotary table
mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on 14-Jul)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	0:15	0:15	C&C	Continue to circulate hole clean.
0:15	1:15	1:00	Other	Check hole condition without pump and rotation. RIH to 3650mBRT and take weight 100kN. Attempt to pass 3650mBRT several time with pump and rotation without success.
1:15	1:30	0:15	Other	Pick up to 3640mBRT. Flow check. Mud loss 1.2m3/hr. Run back to 3650m. POOH from 3650 to 3613mBRT. No drag observed. Decide to rack back one stand to POOH.
1:30	2:15	0:45	Trip	POOH from 3613m to 3460mBRT. No over pull observed.
2:15	2:30	0:15	Other	Pump slug mud. Set up jumping jack.
2:30	4:30	2:00	Trip	POOH from 3460m to 2769mBRT. No over pull observed..
4:30	4:45	0:15	Other	Flow Check. Mud loss 1.3m3/hr.
4:45	11:00	6:15	Trip	POOH from 2769m to surface.
11:00	11:30	0:30	Trip	Break bit, stabilizer, lay down NM Drill collar.
11:30	15:00	3:30	log	Rig down hydraulic elevator. Pick up long elevator link and manual elevator. Rig up wire line logging.
15:00	15:15	0:15	log	RIH with MDT-GR to 70mBRT.
15:15	15:30	0:15	log	Set CMC for logging.(10ton)
15:30	16:30	1:00	log	RIH to 1500mBRT
16:30	16:45	0:15	log(N)	Rewind disorder cable on drum.
16:45	19:20	2:35	log	RIH with MDT-GR at 20" Shoe measure & RIH 1 single probe 2811m(728.7m) measured
19:20	0:00	4:40	log	Take survey with MDT-GR 2 single probe 2959m(876.7m) measured
				3 single probe 3256m(1173.7m) measured
				4 single probe 3416.5m(1334.2m) no good
				5 single probe 3615m(1532.7m) no good
				6 Hydraulic Fracture same depth no good
				7 single probe 3622m(1539.7m) no good
				8 Draw down test same depth no good
				Measure & POOH 9 single probe 3546m(1463.7m) measured
				10 single probe 3416.5m(1334.2m) measured
				11 single probe 3300m(917.7m) measured
				12 Hydraulic Fracture 2958m(875.7m) measured
				Pick up & make up 13-3/8" CSG, and rack back same. 10stands(Tenaris ER 10/10) . (BTC 32/32 already done)
				Lost circulation rate: 1.95m3/hr, Total lost volume today : 50m3

TIME BREAKDOWN (00:00 - 06:00 on 15-Jul) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	4:00	4:00	log	Continue to survey with MDT-GR
4:00	6:00	2:00	log	Complete survey and POOH.
				Lost mud rate: 1.57m3/hr, Lost volume 9.4m3

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	TFA (in^2)	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Bit Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP
5	12-1/4"	TIX	MSSTX	137	61173-T	3x24/32	1.32										0	0	NO	-	1	I	NO	LOG

BHA RECORD / CORE BARREL TYPE

BHA No. 5 12-1/4"Bit x 12-1/4"NB stab(w/ported float) x 8"NMDC x 8-1/2"DC(1) x 12" Stab x 8-1/2"DC(5) x 7-3/4"Jar x 8-1/2"DC(5) x XO x 5-1/2"DP S140(25stds) x XO x x 5-1/2"DP S-140 x X-O x 5-1/2"DP S-150

String Wt.(kN)	@3640 mBRT
String total w/ HPS&TB	2260
Pick up Weight w/ HPS&TB	2270
Slack off weight w/ HPS&TB	2250
HPS & Traveling Block	690
BHA below Jar	180

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	W	S	Sand %	PPG	MBC	n	K	Temp In	Out	Dilution rate
KNPP	0:15	3,643	1.10	107	38	46	7	9	4.2	0.5	10.7	0.2	77,000	28,000	0	94	6	0.2		0.5	0.52	2.93	15	13	
KNPP	17:00	PIT	1.10	90																					

CUTTING SKIP

Empty	43
Full	0
Back up	2
S.Boat	0
Shingu full	0
empty	5
Total	50

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/146	#5	10	165/145
#3	10	165/145	#6	10	165/145

	Desander	Mudcleaner	Centrifuge
#1	off	off	off
#2	off	off	off
#3			off

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.	Generated Vol.	Daily	Total
Concentrated				Distilled Water		
Solidification				Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	DP	ECD @ shoe
1	6	80	800	15.1			
2	6	80					
3	6	86					

Mud Gas

Base (%)	Max. (%)	Depth (m)
Trip Gas		–
Conn. Gas		–

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	11,860	185,640
Kingie-VO (Bulk)	0	0	16,700
NaOH	0	0	1,700
KOH	75	0	1,325
Lime	0	0	950
Soda Ash	0	0	1,600
Tel-Polymer(H)	0	200	940
Tel-Polymer(L)	0	640	1,160
Tel-Polymer DX	0	500	1,740
XCD-Polymer	0	0	1,000
Xian-Vis	0	125	40
NaCl (Bag)	0	6,000	21,000
KCL (Bag)	0	4,000	10,000
Clean Lube (L)	0	0	6,000
Clean Lube	0	2,000	2,200
Tel-DD	0	200	600
Lignite NC	0	0	3,600
Telnite GXL	0	0	270
Speeder (P)	0	0	1,700
Speeder (X)	0	0	1,700
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0	0	500/1000
Tel Mica C/M/F	0	0	500/500/1000
Tel Plug C/M/F	0	0/0/0	500/500/600
TAN CAL M/F	0	0/0	3390/3360

HELICOPTER INFORMATION (JA6655)

Flt. No.	Time Arrived	Departed	Passenger Are.	Dept.
1	10:40	10:46	6	5
2	12:29	12:36	7	7
3	14:33	14:40	5	6
4				

LEAK OFF TEST DATA

Leak off Test On	25-Jun.-2009
Lopes. @Surface	105psi
Leaked off EMW @shoe	1.114sg
Ruptured EMW @shoe	not observed

BOP TESTS

Last Test On	22-Jun-05
Annular BOPs To	3000psi (20.6Mpa)
Ram BOPs To	3000psi (20.6Mpa)

KICK TOLERANCE

Max. Allow CSG Pre.	
Kick Tolerance	

PERSONNEL @24:00

CDEX	8
MQJ Crew	87
MQJ(Other)	1
MWJ	14
Scientist	14
Sub Con.	
SLB D&M	2
SLB W/L	5
SLB CMT	2
Mud Logging	4
MI-Swaco	4
ROV	3
Telnite	2
Vetco Gray	0
NOV	1
WF / Tenaris	2
Vendors	0
Others	0
Total	149

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

GEOLOGIC INFORMATION

From	To	Litho logy

MATERIALS STOCK on BOARD @24:00

Item		RECEIVED	USED	STOCK
Fresh Water	m3	53	65	186
Potable Water	m3	0	4	157
Drill Water	m3	49	72	1,457
Fuel	m3	0	45.4	5,166.3
Lube, Oil	Ltrs	0	0	68,300
Heli Fuel	Ltrs	0	0	0
Cement "G"	ton	0	0	44
Cement "DEEP CRETE"	ton	0	0	12.5
Cement "LWC"	ton	0	0	91.5

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Chikyu		
#7KAIKO	Chikyu		
Heisei Maru	Chikyu		

Heave (m)	0.2
Pitch (deg)	0.4
Roll (deg)	0.2
Swell (m)	1.3
Vessel Heading (deg)	250.0
Drift (m)	0.1
Riser Tension (kN)	8,060.0
V.D. Load (Moon)	11,470.0
Max Draught (m)	9.2
Thruster (kW)	619
No. of transponders	10
Engine output(kW)	4,860
	P:30%, S:20%

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	SW	Barometer (hPa)	WIND Speed(m/s)	Dir. (deg)	Gust (m/s)	WAVE Height(m)	Dir. (deg)	Period (s)	CURRENT Speed(kts)	Dir. (deg)	VISIBILITY (km)
0:00	hc.	25.5	24.9	1013.5	8.2	230	8.7	1.3	220	7.4	0.2	277	20

TODAY'S SCHEDULE : **RD loggging equipment / MU & Run 17" Hole Assembly**

REPORTED BY : T.Saruhashi / D.Ikenomoto

APPROVED BY : I.Sawada

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02 | **REPORT No. :** 67

HOLE NAME : C0009A | **SITE NAME :** NT2-11B | **Exp. :** 319 | **REPORT DATE :** 16/Jul/2009

DEPTH : @24:00 **3,686.0** mBRT **1,603.7** mbsf | PROGRESS : - | Water Depth : **2,082.3** mBRT (**2054** mMSL) | RT-MSL : **28.3** m | SINCE MOVE : **65**

@06:00 **3,686.0** mBRT **1,603.7** mbsf **Open hole 2814mBRT** | DRILLING/CORING Hrs. : - hrs | LAST CASING : **20"** x **703.9** mbsf

SUMMARY OF OPERATION: **POOH MDT tools / RD logging equipment / Make up 17"Open hole Assembly**

PRESENT OPERATION @06:00 on **16-Jul** : **Open hole to 17"**

mBRT: meter below rotary table
mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **15-Jul**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	4:00	4:00	log	Continue to survey with MDT-GR
4:00	7:00	3:00	log	Complete survey and POOH.
7:00	10:00	3:00	log	Rig down wire line logging and handling equipment.
10:00	12:30	2:30	Other	Pick up shlumberger Deep sea express (surface dart launcher).
12:30	14:30	2:00	Trip	MU 10-5/8"Bit / Bit Sub / 17"HO and layout for tag welding.
14:30	15:45	1:15	Other	PU BOP Isolation tool stand and lay out same and pup joint.
15:45	19:00	3:15	Trip	PU welded 17"HO assembly and MU 17"HO assembly w/MWD..
19:00	19:30	0:30	Other	Surface test for MWD @42m.
19:30	20:15	0:45	Trip	Continue to MU 17" HO assembly.
20:15	0:00	3:45	Trip	Change out elevator to 5-1/2"DP and RIH w/17"HO assembly to 1245mBRT.

Lost circulation rate: 1.83m3/hr, Total lost volume today : 44m3

TIME BREAKDOWN (00:00 - 06:00 on 16-Jul) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	3:30	3:30	Trip	Continue to RIH w/17"HO assembly from 1245m to 2799mBRT.
				Lower carefully when hole opener and stabilizer pass through 16" Casing landing sub (ID 17-5/32") @2080.2m. No indication.
3:30	4:15	0:45		Connect HPS. Take SCR. RIH to 2799mBRT. Take weight 20kN. Start pumping with 190spm/15.8Mpa and rotating with 100spm/15kNm.
				SCR data: 2.0Mpa @30spm, 2.4Mpa @40spm, 2.8Mpa @50spm
4:15	6:00	1:45		Open hole to 17" from 2799m to 2814mBRT.(15m)
				W.O.B. 0.4-70kN
				Pump speed. 190spm/16-17.5Mpa, boost riser with 95spm
				RPM. 100RPM. 12-17.5kNm.
				ROP. 5.33-31.3m/h. Ave 21.3m/h.

Lost mud rate: 1.78m3/hr, Lost volume 10.7m3

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	TFA (in^2)	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Bit Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP
6 / Used	10-5/8"	RH	EHT 11P	116	NA2598	3 x16	0.58905																	
	17"	SMITH	SHOSI519		JY8679	5x18	1.24252																	

BHA RECORD / CORE BARREL TYPE

BHA No. 6 10-5/8"Bit x B/S x 17"HO x XO x BS(ported float) x 8" pony NMDC x MWD x 8"NMDC x 17"Stab x 8-1/2"DC (2) x 17"Stab x 8-1/2"DC(4) x Jar x 8-1/2"DC(5) x XO x Drift Sub x S140 (25std) x XO x S150

String Wt.(kN)	mBRT
String total w/ HPS&TB	1980
Pick up Weight w/ HPS&TB	1980
Slack off weight w/ HPS&TB	1980
HPS & Traveling Block	690
BHA below Jar	180

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	W	S	Sand %	PPG	MBC	n	K	Temp In	Out	Dilution rate
KNPP	15:00	PIT	1.10	105	36	49	7	8	4.2	0.5	10.8	0.2	77,000	28,000	0	94	6	0.1		0.5	0.51	3.55	15		

CUTTING SKIP

Empty	43
Full	0
Back up	2
S.Boat	0
Shingu full	0
empty	5
Total	50

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/146	#5	10	165/145
#3	10	165/146	#6	10	165/145

	Desander	Mudcleaner	Centrifuge
#1	off	off	off
#2	off	off	off
#3			off

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.	Generated Vol.	Daily	Total
Concentrated				Distilled Water		
Solidification				Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	DP	ECD @ shoe
1	6	95					
2	6	95					
3	6	86					

Mud Gas

Base (%)	Max. (%)	Depth (m)
Trip Gas		–
Conn. Gas		–

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	185,640
Kingie-VO (Bulk)	0	0	16,700
NaOH	0	0	1,700
KOH	0	75	1,250
Lime	0	0	950
Soda Ash	0	0	1,600
Tel-Polymer(H)	0	200	740
Tel-Polymer(L)	0	640	520
Tel-Polymer DX	0	500	1,240
XCD-Polymer	0	0	1,000
Xian-Vis	0	125	275
NaCl (Bag)	0	6,000	15,000
KCL (Bag)	0	4,000	6,000
Clean Lube (L)	0	0	6,000
Clean Lube	0	2,000	200
Tel-DD	0	200	400
Liqnite NC	0	0	3,600
Telnite GXL	0	0	270
Speeder (P)	0	0	1,700
Speeder (X)	0	0	1,700
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0	0	500/1000
Tel Mica C/M/F	0	0	500/500/1000
Tel Plug C/M/F	0	0/0/0	500/500/600
TAN CAL M/F	0	0/0	3390/3360

HELICOPTER INFORMATION (JA6655)

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	9:16	9:24	9	9
2	11:18	11:25	9	8
3				
4				

LEAK OFF TEST DATA

Leak off Test On	25-Jun.-2009
Lopes. @Surface	105psi
Leaked off EMW @shoe	1.114sg
Ruptured EMW @shoe	not observed

BOP TESTS

Last Test On	22-Jun-05
Annular BOPs To	3000psi (20.6Mpa)
Ram BOPs To	3000psi (20.6Mpa)

KICK TOLERANCE

Max. Allow CSG Pre.	
Kick Tolerance	

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

GEOLOGIC INFORMATION

From	To	Litho logy

PERSONNEL @24:00

CDEX	8
MQJ Crew	88
MQJ(Other)	1
MWJ	14
Scientist	14
Sub Con.	
SLB D&M	2
SLB W/L	5
SLB CMT	2
Mud Logging	4
MI-Swaco	4
ROV	3
Telnite	2
Vetco Gray	1
NOV	1
WF / Tenaris	0
Vendors	0
Others	1
Total	150

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Shingu		1:15
#7KAIKO	Chikyu		
Heisei Maru	Chikyu		

Heave (m)	0.2
Pitch (deg)	0.3
Roll (deg)	0.2
Swell (m)	1.4
Vessel Heading (deg)	265.0
Drift (m)	0.1
Riser Tension (kN)	8,010.0
V.D. Load (Moon)	11,416.7
Max Draught (m)	9.2
Thruster (kW)	680
No. of transponders	10
Engine output(kW)	4,240
	P:26%, S:17%

MATERIALS STOCK on BOARD @24:00

Item		RECEIVED	USED	STOCK
Fresh Water	m3	104	78	212
Potable Water	m3	0	3	154
Drill Water	m3	0	127	1,330
Fuel	m3	0	45.4	5,120.9
Lube, Oil	Ltrs	0	2200	66,100
Heli Fuel	Ltrs	0	0	0
Cement "G"	ton	0	0	44
Cement "DEEP CRETE"	ton	0	0	12.5
Cement "LWC"	ton	0	0	91.5

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(kts)	CURRENT Dir. (deg)	VISIBILITY (km)
0:00	c.	25	22.7	1010.8	8.0	280	8.5	1.4	230	6	0.5	121	20

TODAY'S SCHEDULE : **Open Hole to 17"**

REPORTED BY : T.Saruhashi / D.Ikenomoto
APPROVED BY : I.Sawada

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 68

HOLE NAME :	C0009A	**SITE NAME :**	NT2-11B	**Exp. :**	319	**REPORT DATE :**	17/Jul/2009
17"DEPTH: @24:00	3,023.0 mBRT	940.7 mbsf	PROGRESS : 224.0m	Water Depth : 2,082.3 mBRT (2054 mMSL)	RT-MSL : 28.3 m	SINCE MOVE :	66
@06:00	3,081.0 mBRT	998.7 mbsf	12-1/4"hole 3,686mBRT(1,603.7mbsf)	DRILLING/CORING Hrs. : 16:00 hrs	LAST CASING : 20" x	703.9 mbsf	

SUMMARY OF OPERATION: **RIH w/ 17"Open Hole Assembly and Open Hole to 17"**

PRESENT OPERATION @06:00 on 17-Jul : **POOH to 20" csg shoe**

mBRT: meter below rotary table
mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on 16-Jul)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	3:30	3:30	Trip	Continue to RIH w/17"HO assembly from 1245m to 2799mBRT.
				Lower carefully when hole opener and stabilizer pass through 16" Casing landing sub (ID 17-5/32") @2080.2m. No indication.
3:30	4:15	0:45	Other	Connect HPS. Take SCR. RIH to 2799mBRT. Take weight 20kN. Start pumping with 190spm/15.8Mpa and rotating with 100spm/15kNm.
				SCR data: 2.0Mpa @30spm, 2.4Mpa @40spm, 2.8Mpa @50spm
4:15	16:30	12:15	OH	Open hole to 17" from 2799m to 2964mBRT.
				W.O.B. 0-30kN
				Pump speed. 190spm/16-17.5Mpa, boost riser with 40-95spm
				RPM. 100-120RPM. 12-21kNm
				ROP. 10-25m/h
16:30	19:00	2:30	C&C	Pump 10m3 of Hi-vis and bottoms up.
19:00	20:15	1:15	Trip	Attempt short trip 2stds of 5-1/2"DP to 2888mBRT. Hydraracker pipe detector fault. Decide run back to bottom. No drag / fill.
20:15	0:00	3:45	OH	Open hole to 17" from 2964m to 3023mBRT.
				W.O.B. 5-20kN
				Pump speed. 190spm/16-17.5Mpa, boost riser with 40spm
				RPM. 100-120RPM. 12-17.5kNm
				ROP. 10-25m/h

MWD Data

Measured Depth(mbrt)	Inclination (deg)	Azimuth (deg)
2,792.09	0.62	103.58
2,830.82	0.22	255.09
2,868.96	0.10	293.81
2,950.88	0.04	341.07
3,022.78	0.17	177.17

Lost circulation rate: 2.4m3/hr, Total lost volume today : 58m3

TIME BREAKDOWN (00:00 - 06:00 on 17-Jul) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	4:15	4:15	OH	Continue to open hole to 17" from 3023m to 3081mBRT
4:15	5:00	0:45	Other(N)	Attempt to break connection on HPS torque wrench unsuccessfully. Check HPS torque wrench and hydraulic line.
				Observe hydraulic line failure. Decide to pooh to 20"csg shoe.
5:00	5:45	0:45	C&C	Circulate @3081m.
5:45	6:00	0:15	Trip	Break connection by HPS motor and rig tong.
				W.O.B. 0-38kN
				Pump speed. 190spm/18-19.5Mpa, boost riser with 40spm
				RPM. 117-120RPM. 3.9-8.7kNm
				ROP ave. 17m/h

Lost mud rate: 3.1m3/hr, Lost volume 18.8m3

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	TFA (in^2)	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Bit Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP
6 / Used	10-5/8"	RH	EHT 11P	116	NA2598	3 x16	0.58905																	
	17"	SMITH	SHOSIS19		JY8679	5x18	1.24252	2,797.0	3,021.0	224.0	12	5	35	100	120	208								

BHA RECORD / CORE BARREL TYPE

BHA No. 6 10-5/8"Bit x B/S x 17"HO x XO x BS(ported float) x 8" pony NMDC x MWD x 8"NMDC x 17"Stab x 8-1/2"DC (2) x 17"Stab x 8-1/2"DC(4) x Jar x 8-1/2"DC(5) x XO x Drift Sub x S140 (25std) x XO x S150

String Wt.(kN)	mBRT
String total w/ HPS&TB	1980
Pick up Weight w/ HPS&TB	1980
Slack off weight w/ HPS&TB	1980
HPS & Traveling Block	690
BHA below Jar	180

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	W	S	Sand %	PPG	MBC	n	K	Temp In	Out	Dilution rate
KNPP	14:30	2,926	1.10	114	35	47	8	10	4.2	0.5	11.2	0.2	73,500	25,300	0	94	6	0.3		0.5	0.5	3.66	13		3.2m3/h
KNPP	21:00	2,975	1.10	115	34	50	9	9	4.1	0.5	11.1	0.2	73,500	25,800	0	94	6	0.2		0.5	0.5	3.95	13		

CUTTING SKIP

Empty	36
Full	3
Back up	2
S.Boat	0
Shingu full	4
empty	5
Total	50

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/146	#5	10	165/145
#3	10	165/146	#6	10	165/145

	Desander	Mudcleaner	Centrifuge
#1	off	on	on
#2	off	on	on
#3			on

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.	Generated Vol.	Daily	Total
Concentrated				Distilled Water		
Solidification				Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	DP	ECD @ shoe
1	6	95	950	18.5			
2	6	95					
3	6	86					

Mud Gas

Base (%)	Max. (%)	Depth (m)
Trip Gas		–
Conn. Gas		–

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	185,640
Kingie-VO (Bulk)	0	0	16,700
NaOH	0	0	1,700
KOH	0	75	1,250
Lime	0	0	950
Soda Ash	0	0	1,600
Tel-Polymer(H)	0	200	740
Tel-Polymer(L)	0	640	520
Tel-Polymer DX	0	500	1,240
XCD-Polymer	0	0	1,000
Xian-Vis	0	125	275
NaCl (Bag)	0	6,000	15,000
KCL (Bag)	0	4,000	6,000
Clean Lube (L)	0	0	6,000
Clean Lube	0	2,000	200
Tel-DD	0	200	400
Lignite NC	0	0	3,600
Telnite GXL	0	0	270
Speeder (P)	0	0	1,700
Speeder (X)	0	0	1,700
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0	0	500/1000
Tel Mica C/M/F	0	0	500/500/1000
Tel Plug C/M/F	0	0/0/0	500/500/600
TAN CAL M/F	0	0/0	3390/3360

HELICOPTER INFORMATION (JA6655)

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	9:10	9:16	3	5
2				
3				
4				

LEAK OFF TEST DATA

Leak off Test On	25-Jun.-2009
Lopes. @Surface	105psi
Leaked off EMW @shoe	1.114sg
Ruptured EMW @shoe	not observed

BOP TESTS

Last Test On	22-Jun-05
Annular BOPs To	3000psi (20.6Mpa)
Ram BOPs To	3000psi (20.6Mpa)

KICK TOLERANCE

Max. Allow CSG Pre.	
Kick Tolerance	

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

GEOLOGIC INFORMATION

From	To	Litho logy

PERSONNEL @24:00

CDEX	8
MQJ Crew	90
MQJ(Other)	1
MWJ	14
Scientist	14
Sub Con.	
SLB D&M	2
SLB W/L	0
SLB CMT	3
Mud Logging	4
MI-Swaco	4
ROV	3
Telnite	2
Vetco Gray	1
NOV	1
WF / Tenaris	0
Vendors	0
Others	1
Total	148

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Chikyu	18:15	1:15
#7KAIKO	Chikyu		
Heisei Maru	Chikyu		

Heave (m)	0.2
Pitch (deg)	0.4
Roll (deg)	0.2
Swell (m)	1.1
Vessel Heading (deg)	265.0
Drift (m)	0.4
Riser Tension (kN)	7,580.0
V.D. Load (Moon)	11,394.8
Max Draught (m)	9.2
Thruster (kW)	650
No. of transponders	10
Engine output(kW)	6,600
	P:38%, S:30%

MATERIALS STOCK on BOARD @24:00

Item		RECEIVED	USED	STOCK
Fresh Water	m3	72	88	196
Potable Water	m3	0	4	150
Drill Water	m3	0	8	1,322
Fuel	m3	0	49.3	5,071.6
Lube, Oil	Ltrs	0	0	66,100
Heli Fuel	Ltrs	0	0	0
Cement "G"	ton	0	0	44
Cement "DEEP CRETE"	ton	0	0	12.5
Cement "LWC"	ton	0	0	91.5

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(kts)	CURRENT Dir. (deg)	VISIBILITY (km)
0:00	h.c.	25	22.1	1011.5	10.6	212	10.9	1.1	230	7	0.6	136	20

TODAY'S SCHEDULE : **Open Hole to 17"**

REPORTED BY : T.Saruhashi / D.Ikenomoto
APPROVED BY : I.Sawada

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02 | **REPORT No. :** 69

HOLE NAME :	C0009A	**SITE NAME :**	NT2-11B	**Exp. :**	319
REPORT DATE :	18/Jul/2009				

17"DEPTH: @24:00 **3,202.0** mBRT **1,119.7** mbsf PROGRESS : **179.0m** Water Depth : **2,082.3** mBRT (**2054** mMSL) RT-MSL : **28.3** m SINCE MOVE : **67**

@06:00 **3,254.0** mBRT **1,171.7** mbsf **12-1/4"hole 3,686mBRT(1,603.7mbsf)** DRILLING/CORING Hrs. : **16:00** hrs LAST CASING : **20"** x **703.9** mbsf

SUMMARY OF OPERATION **Open 17"hole**

PRESENT OPERATION @06:00 on **18-Jul** : **Open 17" hole**

mBRT: meter below rotary table

mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **17-Jul**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	4:15	4:15	OH	Continue to open hole to 17" from 3023m to 3081mBRT W.O.B. 0-38kN Pump speed 190spm(18-18.5Mpa, boost riser with 40spm) RPM 117-120RPM 3.9-8.7kNm ROP ave. 17m/h
4:15	5:00	0:45	Other(N)	Attempt to break connection on HPS torque wrench unsuccessfully. Check HPS torque wrench and hydraulic line.
5:00	5:45	0:45	C&C	Observe hydraulic line failure. Decide to pooh to 20"csg shoe.
5:45	8:15	2:30	Trip	Circulate @3081m.
5:00	5:45	0:45	C&C	Break connection by HPS motor and rig tong.
5:45	8:15	2:30	Trip	POOH to 2775m.(inside 20" casing). No over pull.
8:15	11:00	2:45	Other(N)	Investigate HPS torque wrench hydraulic line. Replace hydraulic valve (Adjustable over center vale on torque wrench). Find HPS motor had over torqued while connection.
11:00	12:00	1:00	Trip	RIH from 2775m to 3040mBRT. No drag observed.
12:00	12:45	0:45	W&R	Connect HPS. Pump down to 3081mBRT.
12:45	0:00	11:15	OH	Open 17" from 3081m to 3202m. (121m) W.O.B. 5-50kN Pump speed 190spm(18-18.5Mpa, boost riser with 60spm) RPM 116-135RPM 3.9-25kNm ROP ave. 14.9m/h
				meanwhile make up PADPRT and Sub Sea Tool (SLB plug container) @Aux.hole.
				(8:25) No.2HP communication fail caused by the Antenna down due to thunder strike. Advisory status. Anemometer (Wind sensor) on derrick also down.
				Lost circulation rate: 2.3m3/hr, Total lost volume today : 55m3

MWD Data

Measured Depth(mBRT)	Inclination (deg)	Azimuth (deg)
3,059.59	0.14	317.15
3,097.22	0.08	103.98
3,135.08	0.17	23.32
3,213.22	0.15	0.24

TIME BREAKDOWN (00:00 - 06:00 on 18-Jul) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	6:00	6:00	OH	Continue to open hole to 17" from 3202m to 3254mBRT.(52m) From 3202m to 3231mBRT. W.O.B. 15-50kN Pump speed 190spm(18.0Mpa, boost riser with 60spm) RPM 100-140RPM 5-25kNm ROP ave. 10.0m/h From 3231m to 3254mBRT. W.O.B. 15-50kN Pump speed 210spm(20-22Mpa, boost riser with 80spm) RPM 100-140RPM 5-25kNm ROP ave. 12m/h
				Lost mud rate: 2.5m3/hr, Lost volume 15m3

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	TFA (in^2)	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Bit Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP
6 / Used	10-5/8"	RH	EHT 11P	116	NA2598	3 x16	0.59																	
	17"	SMITH	SHOSIS19		JY8679	5x18	1.24	2,797.0	3,202.0	405.0	24	5	50	116	136	344								

BHA RECORD / CORE BARREL TYPE

BHA No. 6 10-5/8"Bit x B/S x 17"HO x XO x B/S(ported float) x 8" pony NMDC x MWD x 8"NMDC x 17"Stab x 8-1/2"DC (2) x 17"Stab x 8-1/2"DC(4) x Jar x 8-1/2"DC(5) x XO x Drift Sub x S140 (25std) x XO x S150

String Wt.(kN)	mBRT
String total w/ HPS&TB	1980
Pick up Weight w/ HPS&TB	1980
Slack off weight w/ HPS&TB	1980
HPS & Traveling Block	690
BHA below Jar	180

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	W	S	Sand %	PPG	MBC	n	K	Temp In	Out	Dilution rate
KNPP	9:30	2,775	1.10	106	34	47	8	8	4.1	0.5	11.1	0.2	73,500	25,800	0	94	6	0.2		0.5	0.51	3.46	13		4.3m3/h
KNPP	23:00	2,975	1.10	105	36	41	8	8	4	0.5	11.0	0.2	73,800	25,200	0	94	6	0.2		0.5	0.55	2.44	13		

CUTTING SKIP

Empty	39
Full	0
Back up	2
S.Boat	4
Shingu full	0
empty	5
Total	50

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/146	#5	10	165/145
#3	10	165/145	#6	10	165/145

	Desander	Mudcleaner	Centrifuge
#1	off	on	on
#2	off	on	on
#3			on

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.	Generated Vol.	Daily	Total
Concentrated				Distilled Water		
Solidification				Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	DP	ECD @ shoe
1	6	95	950	18-18.5			1.1066
2	6	95					
3	6	86					

Mud Gas

Base (%)	Max. (%)	Depth (m)
Trip Gas		–
Conn. Gas		–

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	185,640
Kingie-VO (Bulk)	0	0	16,700
NaOH	0	0	1,700
KOH	0	75	1,100
Lime	0	0	950
Soda Ash	0	0	1,600
Tel-Polymer(H)	0	200	1,340
Tel-Polymer(L)	0	640	360
Tel-Polymer DX	0	500	240
XCD-Polymer	0	0	1,000
Xian-Vis	0	125	900
NaCl (Bag)	0	6,000	14,000
KCL (Bag)	0	4,000	10,000
Clean Lube (L)	0	0	5,000
Clean Lube	4,800	2,000	10,000
Tel-DD	0	200	800
Lignite NC	0	0	3,600
Telnite GXL	0	0	270
Speeder (P)	0	0	1,700
Speeder (X)	0	0	1,700
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0	0	500/1000
Tel Mica C/M/F	0	0	500/500/1000
Tel Plug C/M/F	0	0/0/0	500/500/600
TAN CAL M/F	0	0/0	3390/3360

HELICOPTER INFORMATION (JA6655)

Flt. No.	Time Arrived	Departed	Passenger Are.	Dept.
1	12:24	12:33	9	8
2	14:24	14:34	8	7
3				
4				

LEAK OFF TEST DATA

Leak off Test On	25-Jun.-2009
Lopes. @Surface	105psi
Leaked off EMW @shoe	1.114sg
Ruptured EMW @shoe	not observed

BOP TESTS

Last Test On	22-Jun-05
Annular BOPs To	3000psi (20.6Mpa)
Ram BOPs To	3000psi (20.6Mpa)

KICK TOLERANCE

Max. Allow CSG Pre.	
Kick Tolerance	

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

GEOLOGIC INFORMATION

From	To	Litho logy

PERSONNEL @24:00

CDEX	9
MQJ Crew	90
MQJ(Other)	1
MWJ	14
Scientist	13
Sub Con.	
SLB D&M	2
SLB W/L	0
SLB CMT	3
Mud Logging	4
MI-Swaco	4
ROV	3
Telnite	2
Vetco Gray	1
NOV	1
WF	2
Vendors	0
Others	1
Total	150

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Shingu	18:15	23:45
#7KAIKO	Shingu		13:30
Heisei Maru	Chikyu		

Heave (m)	0.3
Pitch (deg)	0.5
Roll (deg)	0.4
Swell (m)	1.0
Vessel Heading (deg)	250.0
Drift (m)	0.6
Riser Tension (kN)	8,010.0
V.D. Load (Moon)	11,380.8
Max Draught (m)	9.2
Thruster (kW)	740
No. of transponders	10
Engine output(kW)	6,860
	P:40%, S:30%

MATERIALS STOCK on BOARD @24:00

Item		RECEIVED	USED	STOCK
Fresh Water	m3	80	64	212
Potable Water	m3	0	5	145
Drill Water	m3	0	65	1,257
Fuel	m3	0	50	5,021.6
Lube, Oil	Ltrs	0	0	66,100
Heli Fuel	Ltrs	0	0	0
Cement "G"	ton	0	0	44
Cement "DEEP CRETE"	ton	0	0	12.5
Cement "LWC"	ton	0	0	91.5

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	SW	Barometer (hPa)	WIND Speed(m/s)	Dir. (deg)	Gust (m/s)	WAVE Height(m)	Dir. (deg)	Period (s)	CURRENT Speed(kts)	Dir. (deg)	VISIBILITY (km)
0:00	o	25	20.8	1012.5	8.9	223	10.4	1	220	6.9	1.1	128	20

TODAY'S SCHEDULE : **Open Hole to 17"**

REPORTED BY : D.Ikenomoto / Y.Kawano

APPROVED BY : I.Sawada

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02 | **REPORT No. :** 70

HOLE NAME :	C0009A	**SITE NAME :**	NT2-11B	**Exp. :**	319	**REPORT DATE :**	19/Jul/2009
17"DEPTH: @24:00	3,461.0 mBRT	1,378.7 mbsf	PROGRESS : 259.0m	Water Depth : 2,082.3 mBRT (2054 mMSL)	RT-MSL : 28.3 m	SINCE MOVE :	68
@06:00	3,547.0 mBRT	1,464.7 mbsf	12-1/4"hole 3,686mBRT(1,603.7mbsf)	DRILLING/CORING Hrs. : 16:00 hrs	LAST CASING : 20" x	703.9 mbsf	

SUMMARY OF OPERATION

PRESENT OPERATION @06:00 on 19-Jul : **Open 17" hole**

mBRT: meter below rotary table
mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on 18-Jul)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	0:00	24:00	OH	Continue to open hole to 17" from 3202m to 3461mBRT.(259m)
				From 3202m to 3231mBRT.
				W.O.B. 15-50kN
				Pump speed 190spm/18.0Mpa, boost riser with 60spm
				RPM 100-140RPM 5-25kNm ROP ave 10.0m/h
				From 3231m to 3302mBRT.
				W.O.B. 15-50kN
				Pump speed 210spm/20-22Mpa, boost riser with 50spm
				RPM 100-140RPM 5-25kNm ROP ave 12.0m/h
				From 3302m to 3378mBRT.
				W.O.B. 10-60kN
				Pump speed 180-200spm/17-21Mpa, boost riser with 50spm
				RPM 100-150RPM 4-16kNm ROP ave 11.0m/h
				From 3378m to 3461mBRT.
				W.O.B. 15-50kN
				Pump speed 200spm/19-21Mpa, boost riser with 50spm
				RPM 100RPM 4-12kNm
				ROP ave 15.6m/h(3302m-3378m), 25.3m/hr(3378m-3461m)
				Pump 10m3 of Hi-Vis mud @ 3461m
				10:40 Replace failed No.2HP Antenna and anemometer. DP status get back to green.
				Lost circulation rate: 2.3m3/hr, Total lost volume today : 55m3

MWD Data

Measured Depth(mBRT)	Inclination (deg)	Azimuth (deg)
3,213.22	0.15	0.2
3,292.29	0.18	124.3
3,320.06	0.18	307.5
3,365.62	0.12	106.8
3,403.76	0.09	163.3
3,442.43	0.04	140.4
3,480.67	0.16	21.9
3,518.64	0.13	283.4

TIME BREAKDOWN (00:00 - 06:00 on 19-Jul) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	6:00	6:00	OH	Continue to open hole to 17" from 3461m to 3547mBRT.(86m)
				W.O.B. 10-60kN
				Pump speed 200spm/17.8-22.2Mpa, boost riser with 50spm
				RPM 100-120RPM 4-10kNm ROP ave 26.0m/h
				Pump 10m3 of Hi-Vis mud @ 3536m
				Lost mud rate: 2.47m3/hr, Lost volume 14.8m3

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	TFA (in^2)	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Bit Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP
6 / Used	10-5/8"	RH	EHT 11P	116	NA2598	3 x16	0.59																	
	17"	SMITH	SHOSIS19		JY8679	5x18	1.24	2,797.0	3,461.0	664.0	24	5	50	116	136	344								

BHA RECORD / CORE BARREL TYPE

BHA No. 6 10-5/8"Bit x B/S x 17"HO x XO x B/S(ported float) x 8" pony NMDC x MWD x 8"NMDC x 17"Stab x 8-1/2"DC (2) x 17"Stab x 8-1/2"DC(4) x Jar x 8-1/2"DC(5) x XO x Drift Sub x S140 (25std) x XO x S150

String Wt.(kN)	mBRT
String total w/ HPS&TB	
Pick up Weight w/ HPS&TB	
Slack off weight w/ HPS&TB	
HPS & Traveling Block	690
BHA below Jar	180

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	W	S	Sand %	PPG	MBC	n	K	Temp In	Out	Dilution rate
KNPP	16:00	3,344	1.10	112	37	43	8	8	4.2	0.5	11.1	0.2	73,500	24,700	0	94	6	0.2		0.5	0.55	2.62	15	11	4.7m3/h
KNPP	21:00	3,417	1.10	105	34	46	8	8	4.1	0.5	11.0	0.2	73,500	24,700	0	94	6	0.2		0.5	0.51	3.31	14	10	

CUTTING SKIP

Empty	34
Full	1
Back up	2
S.Boat	8
Shingu full	0
empty	5
Total	50

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/146	#5	10	165/145
#3	10	165/145	#6	10	165/145

	Desander	Mudcleaner	Centrifuge
#1	off	on	on
#2	off	on	on
#3			on

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.	Generated Vol.	Daily	Total
Concentrated				Distilled Water		
Solidification				Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	DP	ECD @ shoe
1	6	98	980	19.6-21	34	28.3	1.1067
2	6	98					
3	6	65					

Mud Gas

Base (%)	Max. (%)	Depth (m)
Trip Gas		–
Conn. Gas		–

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	185,640
Kingie-VO (Bulk)	0	0	16,700
NaOH	0	0	1,700
KOH	0	75	1,025
Lime	0	0	950
Soda Ash	0	0	1,600
Tel-Polymer(H)	0	260	880
Tel-Polymer(L)	1,760	960	1,160
Tel-Polymer DX	0	0	240
XCD-Polymer	0	0	1,000
Xian-Vis	0	150	750
NaCl (Bag)	12,000	6,000	20,000
KCL (Bag)	8,000	4,000	14,000
Clean Lube (L)	0	0	5,000
Clean Lube	0	2,000	8,000
Tel-DD	0	200	600
Liqnite NC	0	0	3,600
Telnite GXL	0	0	270
Speeder (P)	0	0	1,700
Speeder (X)	0	0	1,700
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0	0	500/1000
Tel Mica C/M/F	0	0	500/500/1000
Tel Plug C/M/F	0	0/0/0	500/500/600
TAN CAL M/F	0	0/0	3390/3360

HELICOPTER INFORMATION (JA6655)

Flt. No.	Time Arrived	Departed	Passenger Are.	Dept.
1				
2				
3				
4				

LEAK OFF TEST DATA

Leak off Test On	25-Jun.-2009
Lopes. @Surface	105psi
Leaked off EMW @shoe	1.114sg
Ruptured EMW @shoe	not observed

BOP TESTS

Last Test On	22-Jun-05
Annular BOPs To	3000psi (20.6Mpa)
Ram BOPs To	3000psi (20.6Mpa)

KICK TOLERANCE

Max. Allow CSG Pre.	
Kick Tolerance	

PERSONNEL @24:00

CDEX	9
MQJ Crew	90
MQJ(Other)	1
MWJ	14
Scientist	13
Sub Con.	
SLB D&M	2
SLB W/L	0
SLB CMT	3
Mud Logging	4
MI-Swaco	4
ROV	3
Telnite	2
Vetco Gray	1
NOV	1
WF	2
Vendors	0
Others	1
Total	150

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

GEOLOGIC INFORMATION

From	To	Litho logy

MATERIALS STOCK on BOARD @24:00

Item		RECEIVED	USED	STOCK
Fresh Water	m3	105	67	250
Potable Water	m3	0	1	144
Drill Water	m3	0	77	1,180
Fuel	m3	0	52.8	4,968.8
Lube, Oil	Ltrs	0	500	65,600
Heli Fuel	Ltrs	0	0	0
Cement "G"	ton	0	0	44
Cement "DEEP CRETE"	ton	0	0	12.5
Cement "LWC"	ton	0	0	91.5

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Shingu		3:36
#7KAIKO	Off hire		
Heisei Maru	Chikyu		

Heave (m)	0.3
Pitch (deg)	0.4
Roll (deg)	0.7
Swell (m)	1.0
Vessel Heading (deg)	260.0
Drift (m)	0.8
Riser Tension (kN)	8,038.0
V.D. Load (Moon)	11,276.2
Max Draught (m)	9.2
Thruster (kW)	1,170
No. of transponders	10
Engine output(kW)	7,600
	P:42%, S:33%

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	SW	Barometer (hPa)	WIND Speed(m/s)	Dir. (deg)	Gust (m/s)	WAVE Height(m)	Dir. (deg)	Period (s)	CURRENT Speed(kts)	Dir. (deg)	VISIBILITY (km)
0:00	h.c.	24	23.7	1010.1	11.3	235	12.2	1	22	7.4	0.8	100	20

TODAY'S SCHEDULE : **Open Hole to 17", Wiper trip to 20"casing shoe**

REPORTED BY : D.Ikenomoto / Y.Kawano

APPROVED BY : I.Sawada

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02 | **REPORT No. :** 71

HOLE NAME :	C0009A	SITE NAME :	NT2-11B	Exp. :	319
REPORT DATE :	20/Jul/2009				

17"DEPTH: @24:00	3,650.0 mBRT	1,567.7 mbsf	PROGRESS :	189.0m	Water Depth :	2,082.3 mBRT (2054 mMSL)	RT-MSL :	28.3 m	SINCE MOVE : 69
@06:00	3,650.0 mBRT	1,567.7 mbsf	12-1/4"hole 3,686mBRT(1,603.7mbsf)		DRILLING/CORING Hrs. :	12.75 hrs	LAST CASING :	20" x 703.9 mbsf	

SUMMARY OF OPERATION

PRESENT OPERATION @06:00 on 20-Jul : **Open 17"hole / Circulation bottom up / Wiper trip**

TIME BREAKDOWN (00:00 - 24:00 on 19-Jul) **Circulation bottom up**

mBRT: meter below rotary table
mbsf: : meter below sea floor

From	To	Hrs	Code	DETAIL of OPERATION
0:00	12:45	12:45	OH	Continue to open hole to 17" from 3461m to 3650mBRT.(189m)
				W.O.B. 10-60kN
				Pump speed 200spm/17.8-22.2Mpa, boost riser with 50spm
				RPM 100-120RPM, 4-10kNm, ROP ave. 26.0m/h
				Pump 10m3 of Hi-Vis mud @ 3536m
12:45	14:00	1:15	C&C	Disconnect drill pipe. Drop carbide for lag check. @ 13:15
				Start pumping, observe pack off. Free with rotation, slow pump and pipe working.
				Pump 10m3 of Hi- vis mud.
14:00	19:00	5:00	C&C	Circulation bottom up
				Pump speed 200spm/19.6-20.5Mpa, boost riser with 50spm
				Observe excessive cuttings on the shaker.
				Increase booster to 100spm
19:00	0:00	5:00	Trip	Wiper trip to 20"casing shoe to 2765mBRT.
				Observe over pull 50-200kN, Max.300kN @3650m-3637m, 250kN @3616m
				No over pull above 3613m
				Lost circulation rate: 2.2m3/hr, Total lost volume today : 52m3

MWD Data

Measured Depth(mBRT)	Inclination (deg)	Azimuth (deg)
3,518.64	0.13	283.4
3,557.18	0.06	229.2
3,595.50	0.10	244.5

TIME BREAKDOWN (00:00 - 06:00 on 20-Jul) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	0:45	0:45	Other	Flow check (Mud loss 2.0m3/h) Service HPS.
0:45	4:00	3:15	Trip	RIH from 2765m to 3615mBRT. No drag observed.
4:00	4:15	0:15	W&R	Connect HPS. RHI w/80spm 6.5Mpa and 40rpm. Take weight 20-40kN and 15kNm torque @ 3635-3637m.
				Ream down and pass through. Take weight 30-50kN @3648m. Stop reaming.
4:15	6:00	1:45	C&C	Pump Hi-vis mud 20m3 and circulate w/200spm 21.9Mpa and 100rpm.
				Lost mud rate: 1.7m3/hr, Lost volume 10.2m3

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	TFA (in^2)	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Bit Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP
6 / Used	10-5/8"	RH	EHT 11P	116	NA2598	3 x16	0.59																	
	17"	SMITH	SHOSIS19		JY8679	5x18	1.24	2,797.0	3,650.0	853.0	45.1	10	60	110	129	660								

BHA RECORD / CORE BARREL TYPE

BHA No. 6 10-5/8"Bit x B/S x 17"HO x XO x B/S(ported float) x 8" pony NMDC x MWD x 8"NMDC x 17"Stab x 8-1/2"DC (2) x 17"Stab x 8-1/2"DC(4) x Jar x 8-1/2"DC(5) x XO
x Drift Sub x S140 (25std) x XO x S150

String Wt.(kN)	@3650 mBRT
String total w/ HPS&TB	2310
Pick up Weight w/ HPS&TB	2320
Slack off weight w/ HPS&TB	2320
HPS & Traveling Block	690
BHA below Jar	180

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	W	S	Sand %	PPG	MBC	n	K	Temp In	Out
KNPP	14:30	3,650	1.10	112	34	53	10	11	4.3	0.5	11.0	0.2	73,500	24,700	0	94	6	0.2		0.5	0.48	4.48	14	10
KNPP	20:45	3,380	1.10	118	41	45	9	9	4.1	0.5	11.1	0.1	75,600	25,800	0	94	6	0.2		0.5	0.56	2.58	16	

Dilution rate: 3.23m3/h

CUTTING SKIP

Empty	22
Full	11
Back up	2
S.Boat	0
Shingu	10
Total	45

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/146	#5	10	165/145
#3	10	165/145	#6	10	165/145

	Desander	Mudcleaner	Centrifuge
#1	off	on	on
#2	off	on	on
#3			on

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.	Generated Vol.	Daily	Total
Concentrated				Distilled Water		
Solidification				Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	DP	ECD @ shoe
1	6	98	980	17.8-22.1	34	28.3	1.1074
2	6	98					
3	6	65					

Mud Gas

	Base (%)	Max. (%)	Depth (m)
Trip Gas			--
Conn. Gas			--

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	185,640
Kingie-VO (Bulk)	0	0	16,700
NaOH	0	0	1,700
KOH	0	0	1,025
Lime	0	0	950
Soda Ash	0	0	1,600
Tel-Polymer(H)	0	220	660
Tel-Polymer(L)	0	0	1,160
Tel-Polymer DX	0	0	240
XCD-Polymer	0	0	1,000
Xian-Vis	0	150	600
NaCl (Bag)	0	0	20,000
KCL (Bag)	0	0	14,000
Clean Lube (L)	0	0	5,000
Clean Lube	0	0	8,000
Tel-DD	0	0	600
Lignite NC	0	0	3,600
Telnite GXL	0	0	270
Speeder (P)	0	0	1,700
Speeder (X)	0	0	1,700
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0	0	500/1000
Tel Mica C/M/F	0	0	500/500/1000
Tel Plug C/M/F	0	0/0/0	500/500/600
TAN CAL M/F	0	0/0	3390/3360

HELICOPTER INFORMATION (JA6655)

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	16:11	16:15	0	1
2				
3				
4				

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

LEAK OFF TEST DATA

Leak off Test On	25-Jun.-2009
Lopes. @Surface	105psi
Leaked off EMW @shoe	1.114sg
Ruptured EMW @shoe	not observed

BOP TESTS

Last Test On	22-Jun-05
Annular BOPs To	3000psi (20.6Mpa)
Ram BOPs To	3000psi (20.6Mpa)

KICK TOLERANCE

Max. Allow CSG Pre.	
Kick Tolerance	

PERSONNEL @24:00

CDEX	9
MQJ Crew	89
MQJ(Other)	1
MWJ	14
Scientist	13
Sub Con.	
SLB D&M	2
SLB W/L	0
SLB CMT	3
Mud Logging	4
MI-Swaco	4
ROV	3
Telnite	2
Vetco Gray	1
NOV	1
WF	2
Vendors	0
Others	1
Total	149

GEOLOGIC INFORMATION

From	To	Litho logy

MATERIALS STOCK on BOARD @24:00

Item		RECEIVED	USED	STOCK
Fresh Water	m3	84	76	258
Potable Water	m3	0	0	144
Drill Water	m3	0	25	1,155
Fuel	m3	0	50.7	4,918.1
Lube, Oil	Ltrs	0	1600	63,400
Heli Fuel	Ltrs	0	0	0
Cement "G"	ton	0	0	44
Cement "DEEP CRETE"	ton	0	0	12.5
Cement "LWC"	ton	0	0	91.5

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Chikyu	17:15	3:36
Heisei Maru	Chikyu	15:45	

Heave (m)	0.7
Pitch (deg)	0.9
Roll (deg)	0.2
Swell (m)	1.6
Vessel Heading (deg)	260.0
Drift (m)	0.3
Riser Tension (kN)	8,010.0
V.D. Load (Moon)	11,010.1
Max Draught (m)	9.2
Thruster (kW)	1,100
No. of transponders	10
Engine output(kW)	7,800
	P:32%, S:18%

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(kts)	CURRENT Dir. (deg)	VISIBILITY (km)
0:00	hr.	25	23.4	1008.2	9.8	260	9.8	1.6	220	8.4	0.3	127	20

TODAY'S SCHEDULE : **Cir culation bottom up / POOH**

REPORTED BY : D.Ikenomoto / Y.Kawano
APPROVED BY : I.Sawada

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02 | **REPORT No. :** 72

HOLE NAME : C0009A | **SITE NAME :** NT2-11B | **Exp. :** 319 | **REPORT DATE :** 21/Jul/2009

17"DEPTH: @24:00 **3,650.0** mBRT **1,567.7** mbsf | PROGRESS : | Water Depth : **2,082.3** mBRT (**2054** mMSL) | RT-MSL : **28.3** m | SINCE MOVE : **70**

@06:00 **3,650.0** mBRT **1,567.7** mbsf **12-1/4"hole 3,686mBRT(1,603.7mbsf)** | DRILLING/CORING Hrs. : **12.75** hrs | LAST CASING : **20"** x **703.9** mbsf

SUMMARY OF OPERATION **Wiper trip / Circulation & hole cleaning / POOH**

PRESENT OPERATION @06:00 on **21-Jul** : **Retrieve Wear bushing retrieving tool**

mBRT: meter below rotary table
mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **20-Jul**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	0:45	0:45	Other	Flow check@2765m.(Mud loss 2.0m3/h) Service HPS.
0:45	4:00	3:15	Trip	RIH from 2765m to 3615mBRT. No drag observed.
4:00	4:15	0:15	W&R	Connect HPS. RIH w/80spm 6.5Mpa and 40rpm. Take weight 20-40kN and 15kNm torque @ 3635-3637m.
				Ream down and pass through. Take weight 30-50kN @3648m. Stop reaming.
4:15	9:00	4:45	C&C	Pump Hi-vis mud 20m3 and circulate w/200spm 21.9Mpa and 100rpm. Take weight and torque @3642m.
				Meanwhile No.2 mud pump suddenly shut down(5:45-6:15) and recover. (The reason can not be identified..)
9:00	9:30	0:30	C&C	Spot hi-vis mud 45m3 @3642m. Displace inside of volume with mud.
9:30	10:00	0:30	Other(N)	Attempt to disconnect HPS between top connection and saver sub w/torque wrench w/o success
				Lower down to 3641m. break connection with HPS motor and rig tong.
10:00	11:45	1:45	Trip	POOH from 3641m to 3230mBRT. No over pull observed.
11:45	12:15	0:30	Other	Drop Churchill drift gauge and chase w/60spm pump. Observe pump pressure increase from 4.0Mpa to 5.9Mpa.
				Pump 5m3 of slug mud.
12:15	23:30	11:15	Trip	POOH to surface.
				No over pull observed.
				Flow check @ shoe, OK
				Confirm drift gauge landing on landing sub.
				Lay down lower stabilizer. Rack back all BHA.
23:30	0:00	0:30	BOPE	Make up WBRRT assembly

Lost circulation rate: 1.7m3/hr, Total lost volume today : 41m3

TIME BREAKDOWN (00:00 - 06:00 on 21-Jul) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	1:00	1:00	BOPE	Continue to make up WBRRT assembly
1:00	4:45	3:45	BOPE	RIH to 2075mBRT.
4:45	5:15	0:30	BOPE	Pump 200spm 7.9Mpa for well head cleaning @2077-2079mBRT.
5:15	6:00	0:45	BOPE	RIH and land WBRRT on well head. Slack off 50kN (diver tool depth @ 2121.6mBRT)
				Pick up gradually w/max 500kN pull and retrieve NSP.

Lost mud rate: 1.45m3/hr, Lost volume 8.7m3

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	TFA (in^2)	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Bit Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP
6 / Used	10-5/8"	RH	EHT 11P	116	NA2598	3 x16	0.59												PN2					
	17"	SMITH	SHOSI519		JY8679	5x18	1.24	2,797.0	3,650.0	853.0	45.1						0	1	CT1	S	x	I	NO	TD

BHA RECORD / CORE BARREL TYPE

BHA No. 6 10-5/8"Bit x B/S x 17"HO x XO x B/S(ported float) x 8" pony NMDC x MWD x 8"NMDC x 17"Stab x 8-1/2"DC (2) x 17"Stab x 8-1/2"DC(4) x Jar x 8-1/2"DC(5) x XO
x Drift Sub x S140 (25std) x XO x S150

WBRRT Diverter tool x XO x S150 (1std) x XO(2) x WBRRT x XO x S150

String Wt.(kN)	@3650 mBRT
String total w/ HPS&TB	2310
Pick up Weight w/ HPS&TB	2320
Slack off weight w/ HPS&TB	2320
HPS & Traveling Block	690
BHA below Jar	180

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	W	S	Sand %	PPG	MBC	n	K	Temp In	Out	Dilution rate
KNPP	13:00	3,171	1.10	117	32	57	11	13	4	0.5	11.3	0.1	75,600	24,700	0	94	6	0.2		0.5	0.44	5.62	14		5.1m3/h
KNPP	PIT	3,380	1.10	115	34	54	11	12	4	0.5	10.9	0.1	73,500	24,700	0	94	6	0.2		0.5	0.47	4.66	16		

CUTTING SKIP

Empty	21
Full	0
Back up	2
S.Boat	0
Shingu	27
Total	50

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/146	#5	10	165/145
#3	10	165/145	#6	10	165/145

	Desander	Mudcleaner	Centrifuge
#1	off	on	on
#2	off	on	on
#3			on

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.	Generated Vol.	Daily	Total
Concentrated				Distilled Water		
Solidification				Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	DP	ECD @ shoe
1	6	98	980	17.8-22.1	34	28.3	1.1074
2	6	98					
3	6	65					

Mud Gas

Base (%)	Max. (%)	Depth (m)
Trip Gas		–
Conn. Gas		–

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	4,700	180,940
Kingie-VO (Bulk)	0	0	16,700
NaOH	0	0	1,700
KOH	0	0	1,025
Lime	0	0	950
Soda Ash	0	0	1,600
Tel-Polymer(H)	0	0	660
Tel-Polymer(L)	0	0	1,160
Tel-Polymer DX	0	0	240
XCD-Polymer	0	0	1,000
Xian-Vis	0	0	600
NaCl (Bag)	0	0	20,000
KCL (Bag)	0	0	14,000
Clean Lube (L)	0	0	5,000
Clean Lube	0	0	8,000
Tel-DD	0	0	600
Lignite NC	0	0	3,600
Telnite GXL	0	0	270
Speeder (P)	0	0	1,700
Speeder (X)	0	0	1,700
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0	0	500/1000
Tel Mica C/M/F	0	0	500/500/1000
Tel Plug C/M/F	0	0/0/0	500/500/600
TAN CAL M/F	0	0/0	3390/3360

HELICOPTER INFORMATION (JA6655)

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	9:16	9:24	8	9
2				
3				
4				

LEAK OFF TEST DATA

Leak off Test On	25-Jun.-2009
Lopes. @Surface	105psi
Leaked off EMW @shoe	1.114sg
Ruptured EMW @shoe	not observed

BOP TESTS

Last Test On	22-Jun-05
Annular BOPs To	3000psi (20.6Mpa)
Ram BOPs To	3000psi (20.6Mpa)

KICK TOLERANCE

Max. Allow CSG Pre.	
Kick Tolerance	

PERSONNEL @24:00

CDEX	7
MQJ Crew	88
MQJ(Other)	1
MWJ	13
Scientist	15
Sub Con.	
SLB D&M	2
SLB W/L	1
SLB CMT	3
Mud Logging	4
MI-Swaco	4
ROV	3
Telnite	2
Vetco Gray	1
NOV	1
WF	2
Vendors	0
Others	1
Total	148

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

GEOLOGIC INFORMATION

From	To	Lithology

MATERIALS STOCK on BOARD @24:00

Item		RECEIVED	USED	STOCK
Fresh Water	m3	83	71	270
Potable Water	m3	0	3	141
Drill Water	m3	0	17	1,138
Fuel	m3	259	46.4	5,130.7
Lube, Oil	Ltrs	0	0	63,400
Heli Fuel	Ltrs	0	0	0
Cement "G"	ton	0	0	44
Cement "DEEP CRETE"	ton	0	0	12.5
Cement "LWC"	ton	0	0	91.5

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Chikyu		
Heisei Maru	Chikyu		

Heave (m)	0.4
Pitch (deg)	0.5
Roll (deg)	0.2
Swell (m)	1.7
Vessel Heading (deg)	260.0
Drift (m)	0.2
Riser Tension (kN)	8,010
V.D. Load (Moon)	10,910.0
Max Draught (m)	9.2
Thruster (kW)	890
No. of transponders	10
Engine output(kW)	5,200
	P:32%, S:19%

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(kts)	CURRENT Dir. (deg)	VISIBILITY (km)
0:00	h/c	24.5	24.3	1007.8	7.0	218	7.4	1.7	230	7.3	0.4	100	20

TODAY'S SCHEDULE : **POOH WBRRT / Rig up 13-3/8"Casing / Run 13-3/8" Casing**

REPORTED BY : D.Ikenomoto / Y.Kawano

APPROVED BY : I.Sawada

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02 | **REPORT No. :** 73

HOLE NAME : C0009A | **SITE NAME :** NT2-11B | **Exp. :** 319 | **REPORT DATE :** 22/Jul/2009

17"DEPTH: @24:00 **3,650.0** mBRT **1,567.7** mbsf | PROGRESS : | Water Depth : **2,082.3** mBRT (**2054** mMSL) | RT-MSL : **28.3** m | SINCE MOVE : **71**

@06:00 **3,650.0** mBRT **1,567.7** mbsf **12-1/4"hole 3,686mBRT(1,603.7mbsf)** | DRILLING/CORING Hrs. : **0** hrs | LAST CASING : **20"** x **703.9** mbsf

SUMMARY OF OPERATION **Retrieve NSP / POOH / Rig up and Run 13-3/8"casing**

PRESENT OPERATION @06:00 on **22-Jul** : **Run 13-3/8" casing**

mBRT: meter below rotary table

mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **21-Jul**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	1:00	1:00	BOPE	Continue to make up WBRRT assembly
1:00	4:45	3:45	BOPE	RIH to 2075mBRT.
4:45	5:15	0:30	BOPE	Pump 200spm 7.9Mpa for well head cleaning @2077-2079mBRT.
5:15	6:00	0:45	BOPE	RIH and land WBRRT on well head. Slack off 50kN .(diverter tool depth @ 2121.6mBRT)
				Pick up gradually w/max 500kN pull and retrieve NSP.
6:00	11:30	5:30	BOPE	POOH WBRRT assembly w/NSP.
				Rack back last drill pipe stand w/diverter tool. Take NSP off WBRRT with slack off and right hand torque.
11:30	13:45	2:15	CSG	Make up PADPRT assembly and 5-1/2"DP(S-150)3joints and rack back in derrick.
13:45	15:30	1:45	Other(N)	Rig down hydraulic elevator and pipe handler.
15:30	18:00	2:30	CSG	Prepare for running casing
				Rig up casing hydraulic elevator and power slip.
				Rig up WF casing power tong.
18:00	18:30	0:30	Other	Hold TBRA for running casing
18:30	0:00	5:30	CSG	Run 13-3/8"casing to 550m.
				Make up and run shoe joint, thread rock jt, F/C stand (double), 14stds of intermediate jt (triple) (all BTC connection)
				Check float function.
				Lay down the top single of #1 stand for space out.
				Mix 22m3 of Chemical Wash and 22m3 of Mud Push.
				Mix 40m3 of condensed suspend fluid. (to be 130m3 of suspension fluid)
				Lost circulation rate: 1.6m3/hr, Total lost volume today : 39m3

TIME BREAKDOWN (00:00 - 06:00 on 22-Jul) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	6:00	6:00	CSG	Continue to run 13-3/8"Casing from 550m to 1540mBRT.
				17stds of intermediate joints (triple-BTC connection).
				3m pup 1joint (BTC) and 3m x-o 1joint (BTC-Tenaris ER).
				10 stds of intermediate joints (triple-Tenaris ER).
				Fill up every std.
				Lost mud rate: 1.37m3/hr, Lost volume 8.2m3

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	TFA (in^2)	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Bit Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP

BHA RECORD / CORE BARREL TYPE

BHA No. WBRRT Diverter tool x XO x S150 (1std) x XO(2) x WBRRT x XO x S150

String Wt.(kN)	mBRT
String total w/ HPS&TB	
Pick up Weight w/ HPS&TB	
Slack off weight w/ HPS&TB	
HPS & Traveling Block	690
BHA below Jar	

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	W	S	Sand %	PPG	MBC	n	K	Temp In	Out	Dilution rate
KNPP	15:00	PIT	1.10	111	31	50	8	9	4.2	0.5	10.6	0.1	75,600	24,700						0.5	0.47	4.39	17		0.83m3/h
KNPP	21:00	PIT	1.10	113	32	49	9	10	4	0.5	10.6	0.1	73,500								0.48	4.05	17		

CUTTING SKIP

Empty	21
Full	0
Back up	2
S.Boat	0
Shingu	27
Total	50

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/146	#5	10	165/145
#3	10	165/145	#6	10	165/145

	Desander	Mudcleaner	Centrifuge
#1	off	on	on
#2	off	on	on
#3			on

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.	Generated Vol.	Daily	Total
Concentrated				Distilled Water		
Solidification				Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	DP	ECD @ shoe
1	6						
2	6						
3	6						

Mud Gas

Base (%)	Max. (%)	Depth (m)
Trip Gas		–
Conn. Gas		–

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	1,800	179,140
Kingie-VO (Bulk)	0	0	16,700
NaOH	0	0	1,700
KOH	0	0	1,025
Lime	0	0	950
Soda Ash	0	0	1,600
Tel-Polymer(H)	0	0	660
Tel-Polymer(L)	0	0	1,160
Tel-Polymer DX	0	0	240
XCD-Polymer	0	0	1,000
Xian-Vis	0	0	600
NaCl (Bag)	0	0	20,000
KCL (Bag)	0	0	14,000
Clean Lube (L)	0	0	5,000
Clean Lube	0	0	8,000
Tel-DD	0	0	600
Lignite NC	0	0	3,600
Telnite GXL	0	0	270
Speeder (P)	0	0	1,700
Speeder (X)	0	0	1,700
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0	0	500/1000
Tel Mica C/M/F	0	0	500/500/1000
Tel Plug C/M/F	0	0/0/0	500/500/600
TAN CAL M/F	0	0/0	3390/3360

HELICOPTER INFORMATION (JA6655)

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	9:02	9:10	5	3
2				
3				
4				

LEAK OFF TEST DATA

Leak off Test On	25-Jun.-2009
Lopes. @Surface	105psi
Leaked off EMW @shoe	1.114sg
Ruptured EMW @shoe	not observed

KICK TOLERANCE

Max. Allow CSG Pre.	
Kick Tolerance	

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

BOP TESTS

Last Test On	22-Jun-05
Annular BOPs To	3000psi (20.6Mpa)
Ram BOPs To	3000psi (20.6Mpa)

PERSONNEL @24:00

CDEX	7
MQJ Crew	88
MQJ(Other)	1
MWJ	13
Scientist	15
Sub Con.	
SLB D&M	2
SLB W/L	4
SLB CMT	3
Mud Logging	2
MI-Swaco	4
ROV	3
Telnite	2
Vetco Gray	1
NOV	1
WF	2
Vendors	0
Others	2
Total	150

GEOLOGIC INFORMATION

From	To	Lithology

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Shingu		3:27
Heisei Maru	Chikyu		

Heave (m)	0.4
Pitch (deg)	0.5
Roll (deg)	0.3
Swell (m)	1.8
Vessel Heading (deg)	245.0
Drift (m)	0.3
Riser Tension (kN)	8,000
V.D. Load (Moon)	10,993.5
Max Draught (m)	9.2
Thruster (kW)	1,450
No. of transponders	10
Engine output(kW)	5,300
	P:37%, S:17%

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	90	60	300
Potable Water m3	0	3	138
Drill Water m3	0	24	1,114
Fuel m3	0	44.1	5,086.6
Lube, Oil Ltrs	0	0	63,400
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	44
Cement "DEEP CRETE" ton	0	0	12.5
Cement "LWC" ton	0	0	91.5

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(kts)	CURRENT Dir. (deg)	VISIBILITY (km)
0:00	n	25.5	24.5	1001	8.3	250	9.7	1.8	230	7.5	0.6	160	20

TODAY'S SCHEDULE : **Run 13-3/8" Casing w/5-1/2"DP (S-150) / Circulate / Cementing**

REPORTED BY : D.Ikenomoto / Y.Kawano

APPROVED BY : I.Sawada

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 74

HOLE NAME :	C0009A	**SITE NAME :**	NT2-11B	**Exp. :**	319	**REPORT DATE :**	23/Jul/2009
17"DEPTH: @24:00	3,650.0 mBRT	1,567.7 mbsf	PROGRESS :	Water Depth :	2,082.3 mBRT (2054 mMSL)	RT-MSL : 28.3 m	SINCE MOVE : 72
@06:00	3,650.0 mBRT	1,567.7 mbsf	12-1/4"hole 3,686mBRT(1,603.7mbsf)	DRILLING/CORING Hrs. :	0 hrs	LAST CASING : 20" x 703.9 mbsf	

SUMMARY OF OPERATION: **Run 13-3/8"casing, Circulation**

PRESENT OPERATION @06:00 on 23-Jul : **Run 13-3/8" casing**

mBRT: meter below rotary table
mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on 22-Jul)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	6:00	6:00	CSG	Continue to run 13-3/8"Casing from 550m to 1540mBRT.
				17stds of intermediate joints (triple-BTC connection).
				3m pup 1joint (BTC) and 3m x-o 1joint (BTC-Tenaris ER).
				10 stds of intermediate joints (triple-Tenaris ER).
				Fill up every std.
6:00	6:30	0:30	CSG	Rig down hydraulic casing elevator.
6:30	8:30	2:00	Other(N)	Install pipe handler on HPS.
8:30	10:30	2:00	CSG	Rig up hydraulic elevator. Pick up PADPRT and CSGHGR and make up onto the casing.
10:30	12:00	1:30	CSG	Rig down W/F power tong and casing power slip (PS-30).
		0:00		Lay down XO jt at the bottom of the assembly.
				Hook Load: 1950kN (13-3/8"casing+PADPRT+3jts of S150 + HPS)
				Pick up single joint and make up onto the PADPRT stand.
12:00	20:45	8:45		Run 13-3/8"casing to 3624.3m with landing pipe S150
				Open CMC @ 2037m and go down into BOP.
				No drag observed passing through BOP, WH and 16"landing sub.
				Fill up every 10stands
				Break circulation @ 20"casing shoe, 3100m and 3400m
				Take weight 300kn @ 3477m
				Open Choke and Kill valve before PADPRT go into BOP.
				Pick up CMTG stand and make up onto S150. PU weight:3100kN, SO weight:2750kN
20:45	21:15	0:30		Land 13-3/8"casing hanger on HPWH housing with CMC.
21:15	22:00	0:45		Install new Index line on telescopic joint due to cut line.
22:00	22:30	0:30		Slack off 67kN and apply 450kN of over pull. Mark on the index line and drill pipe.
				Reduce over pull down to 50kN.
22:30	0:00	1:30		Circulation
				Start No.1 pump w/30spm x 2.5Mpa and increase up to 80spm x 4.0Mpa.
				Start No.2 & No.3 through Choke and Kill line w/80spm x 2.2Mpa
				Lost circulation rate: 1.6m3/hr (while running casing), 2.4m3/hr (while circulation), Total lost volume today : 38.3m3

TIME BREAKDOWN (00:00 - 06:00 on 23-Jul) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	2:15	2:15	CSG	Continue to Circulate & condition mud.
				Hold TBRA for Cementing job.
2:15	2:30	0:15	CMT	Flush cementing line 5bbl w/cementing unit.
2:30	5:00	2:30	CMT	Pressure test 5Mpa 5min & 35Mpa 5min w/o success. Replace low torque valve and test same w/o success.
				Pressure test 5Mpa 5min & 35Mpa 5min on Cementing manifold No.38 valve. OK.
5:00	6:00	1:00	CMT	Conduct 13-3/8" Casing cementing.
				Pump chemical wash(1.0 SG) 20m3 by rig pump.
				Pump Mud Push(1.2SG) 20m3 by rig pump.
				Drop the first dart in Surface Dart Launcher.
				Mix and Pump cementing Lead slurry 56.6m3 (LWC 1.4SG) .
				Lost mud rate: 1.8m3/hr, Lost volume 10.2m3

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	TFA (in^2)	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Bit Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP

BHA RECORD / CORE BARREL TYPE

String Wt.(kN)	@3626 mBRT
String total w/ HPS&TB	2870
Pick up Weight w/ HPS&TB	3110
Slack off weight w/ HPS&TB	2750
HPS & Traveling Block	690
BHA below Jar	

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	W	S	Sand %	PPG	MBC	n	K	Temp In	Out	Dilution rate 0.75m3/h
KNPP	15:00	PIT	1.10	116	33	48	8	9	4.1	0.5	10.6	0.1	75,600					0.2			0.49	3.75	17		

CUTTING SKIP

Empty	21
Full	0
Back up	2
S.Boat	0
Shingu	27
Total	50

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/146	#5	10	165/145
#3	10	165/145	#6	10	165/145

	Desander	Mudcleaner	Centrifuge
#1	off	on	on
#2	off	on	on
#3			on

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.	Generated Vol.	Daily	Total
Concentrated				Distilled Water		
Solidification				Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	DP	ECD @ shoe
1	6						
2	6						
3	6						

Mud Gas

Base (%)	Max. (%)	Depth (m)
Trip Gas		–
Conn. Gas		–

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	179,140
Kingie-VO (Bulk)	0	0	16,700
NaOH	0	450	1,250
KOH	0	0	1,025
Lime	0	300	650
Soda Ash	0	0	1,600
Tel-Polymer(H)	0	0	660
Tel-Polymer(L)	0	0	1,160
Tel-Polymer DX	0	0	240
XCD-Polymer	0	0	1,000
Xian-Vis	0	0	600
NaCl (Bag)	0	0	20,000
KCL (Bag)	0	0	14,000
Clean Lube (L)	0	0	5,000
Clean Lube	0	0	8,000
Tel-DD	0	0	600
Lignite NC	0	0	3,600
Telnite GXL	0	126	144
Speeder (P)	0	0	1,700
Treat HP	0	1,440	160
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0	0	500/1000
Tel Mica C/M/F	0	0	500/500/1000
Tel Plug C/M/F	0	0/0/0	500/500/600
TAN CAL M/F	0	0/0	3390/3360

HELICOPTER INFORMATION (JA6655)

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	16:13	16:23	9	9
2				
3				
4				

LEAK OFF TEST DATA

Leak off Test On	25-Jun.-2009
Lopes. @Surface	105psi
Leaked off EMW @shoe	1.114sg
Ruptured EMW @shoe	not observed

KICK TOLERANCE

Max. Allow CSG Pre.	
Kick Tolerance	

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

BOP TESTS

Last Test On	22-Jun-05
Annular BOPs To	3000psi (20.6Mpa)
Ram BOPs To	3000psi (20.6Mpa)

PERSONNEL @24:00

CDEX	7
MQJ Crew	88
MQJ(Other)	1
MWJ	13
Scientist	15
Sub Con.	
SLB D&M	2
SLB W/L	4
SLB CMT	3
Mud Logging	2
MI-Swaco	4
ROV	3
Telnite	2
Vetco Gray	1
NOV	1
WF	2
Vendors	0
Others	2
Total	150

Heave (m)	0.4
Pitch (deg)	0.5
Roll (deg)	0.4
Swell (m)	1.9
Vessel Heading (deg)	256.0
Drift (m)	0.3
Riser Tension (kN)	8,000
V.D. Load (Moon)	11,065.0
Max Draught (m)	9.2
Thruster (kW)	760
No. of transponders	10
Engine output(kW)	5,300
	P:34%, S:22%

GEOLOGIC INFORMATION

From	To	Lithology

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	81	70	331
Potable Water m3	0	3	135
Drill Water m3	0	10	1,104
Fuel m3	0	45.5	5,041.1
Lube, Oil Ltrs	0	0	63,400
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	44
Cement "DEEP CRETE" ton	0	0	12.5
Cement "LWC" ton	0	0	91.5

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Chikyu	18:25	
Heisei Maru	Chikyu		

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	SW	Barometer (hPa)	WIND Speed(m/s)	Dir. (deg)	Gust (m/s)	WAVE Height(m)	Dir. (deg)	Period (s)	CURRENT Speed(kts)	Dir. (deg)	VISIBILITY (km)
0:00	hr.	24.5	23.4	1002	8.7	190	9.5	1.9	220	7.6	0.6	114	20

TODAY'S SCHEDULE : **Cementing / Set casing hanger.**

REPORTED BY : D.Ikenomoto / Y.Kawano

APPROVED BY : I.Sawada

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 75

HOLE NAME :	C0009A	**SITE NAME :**	NT2-11B	**Exp. :**	319	**REPORT DATE :**	24/Jul/2009
17"DEPTH: @24:00	3,650.0 mBRT	1,567.7 mbsf	PROGRESS :	Water Depth :	2,082.3 mBRT (2054 mMSL)	RT-MSL : 28.3 m	SINCE MOVE : 73
@06:00	3,650.0 mBRT	1,567.7 mbsf	12-1/4"hole 3,686mBRT(1,603.7mbsf)	DRILLING/CORING Hrs. :	0 hrs	LAST CASING : 13-3/8" x	1,542.0 mbsf

SUMMARY OF OPERATION: 13-3/8"casing cementing, Set pack off seal, POOH, Rig up SLB, Run Junk Catcher

PRESENT OPERATION @06:00 on 24-Jul : Rig up VSP tool.

mBRT: meter below rotary table
mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on 23-Jul)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	2:15	2:15	CSG	Continue to Circulate & condition mud.
				Hold TBRA for Cementing job.
2:15	2:30	0:15	CMT	Flush cementing line 5bbl w/cementing unit.
2:30	5:00	2:30	CMT	Pressure test 5Mpa 5nin & 35Mpa 5min w/o success. Replace low torque valve and test same w/o success.
				Pressure test 5Mpa 5nin & 35Mpa 5min on Cementing manifold No.38 valve. OK.
5:00	10:15	5:15	CMT	Conduct 13-3/8" Casing cementing.
				5:20 Pump chemical wash(1.0 SG) 20m3 by rig pump.
				5:34 Pump Mud Push(1.2SG) 20m3 by rig pump.
				5:55 Drop the first dart in Surface Dart Launcher.
				6:05 Mix and Pump cementing Lead slurry 370.4bbl (58.89m) 7.1-8.1bpm (LWC 1.4SG) . Add and mix CemNet (2lbs/bbl) into first 20m3 of Lead Slurry.
				6:23 Observe bottom plug released @136.9bbl pumping (1347psi)
				7:00 Finish pumping Lead slurry.
				7:05 Mix and Pump cementing Tail slurry 161.5bbl (25.68m3) 6bpm (Neat 1.89SG) .
				7:28 Pump 1.0bbl of Sea water by Cementing unit.
				7:35 Drop 2nd dart.
				7:56 Displace with *mud 129bbl by cementing unit in order to shear top plug.(2400psi) / Observe Top Plug released @129bbl pumping.
				Displace with 10bbl of *mud by cementing unit after pressure indication. *mud -included corrosion inhibitor
				8:07 Change line and continue to displace of *mud by rig pump. (w/500gpm)
				8:37 Observe pressure raise to 15.7Mpa and decrease P/R to 50spm. Observe no flow return to surface.
				Continue to displace with mud W/50spm. Pressure raise from 8.4Mpa to 11.4Mpa.
				Couldn't observe pressure rising @ calculated pump count 6185ct (97% eff) / (Top plug not bumped to float collar.)
				9:55 Stop pumping @6233ct(plus strokes for half shoe track volume at 97% eff), change line to Cementing unit and bleed off Pressure . 3.5bbl return.
10:15	12:45	2:30	CMT	Set Casing hanger and seal assembly.
				Check stick up at Hook load 1990kN and 1470kN with index line.
				Pressure test Kill line 500psi and 5000psi 5min. OK . Rotate 4.5turn right and slack off to 1470kN.
				Close pipe rams and energize seal assembly w/3000psi. Open pipe rams and pick up to 1990kN to release seal assembly.
				Close pipe rams and pressure test the seal assembly w/5000psi 10min.OK. Open pipe rams and release PADPRT w/5-1/2" right turn and 150kN over pull.
12:45	21:00	8:15	LOG	POOH to surface.
				Observe flow path of PADPRT plugged with cement. SLB Sub Sea Tool is in normal condition.
				Lay down same.
21:00	22:30	1:30	LOG	Rig up Schlumberger for W/L operation
22:30	0:00	1:30	LOG	Run Junk basket with 12-1/16"Gauge Ring (7000ft/hr inside Riser)
				Take weight of from 2077m to 2080m.
				POOH to surface. Change Gauge Ring to 8-1/4".
				Run Junk basket with 8-1/4"Gauge Ring (7000ft/hr inside Riser)
				Lost mud while cementing 20.9m3

TIME BREAKDOWN (00:00 - 06:00 on 24-Jul) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	5:00	5:00	LOG	Continue to run Junk basket with 8-1/4"Gauge Ring.
				Take weight from 2077m to 2080m. Reciprocate several times and pass through there. Tools run down to 3300mBRT.
				Log up to 2078m.
				POOH to surface. (Junk : almost cuttings 50g) Rig down same.
5:00	6:00	1:00	LOG	Rig up VSP tool.

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	TFA (in^2)	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Bit Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP

BHA RECORD / CORE BARREL TYPE

String Wt.(kN) @3626 mBRT

String total w/ HPS&TB	2870
Pick up Weight w/ HPS&TB	3110
Slack off weight w/ HPS&TB	2750
HPS & Traveling Block	690
BHA below Jar	

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	W	S	Sand %	PPG	MBC	n	K	Temp In	Out	Dilution rate
KNPP	1:00	3,625	1.10	125	31	54	11	13	4	0.5	10.5	0.1	75,600					0.2			0.49	5.19	17		1.53m3/h

CUTTING SKIP

Empty	21
Full	0
Back up	2
S.Boat	0
Shingu	27
Total	50

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/146	#5	10	165/145
#3	10	165/145	#6	10	165/145

	Desander	Mudcleaner	Centrifuge
#1	off	on	on
#2	off	on	on
#3			on

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.	Generated Vol.	Daily	Total
Concentrated				Distilled Water		
Solidification				Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	DP	ECD @ shoe
1	6	100	500	2.4-6.1			
2	6						
3	6						

Mud Gas

Base (%)	Max. (%)	Depth (m)
Trip Gas		–
Conn. Gas		–

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	2,640	148,500
Kingie-VO (Bulk)	0	0	16,700
NaOH	0	0	1,250
KOH	0	0	1,025
Lime	0	0	650
Soda Ash	0	0	1,600
Tel-Polymer(H)	0	0	660
Tel-Polymer(L)	0	0	1,160
Tel-Polymer DX	0	0	240
XCD-Polymer	0	0	1,000
Xian-Vis	0	0	600
NaCl (Bag)	0	0	20,000
KCL (Bag)	0	0	14,000
Clean Lube (L)	0	0	5,000
Clean Lube	0	0	8,000
Tel-DD	0	0	600
Lignite NC	0	0	3,600
Telnite GXL	0	0	144
Speeder (P)	0	0	1,700
Treat HP	0	0	160
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0	0	500/1000
Tel Mica C/M/F	0	0	500/500/1000
Tel Plug C/M/F	0	0/0/0	500/500/600
TAN CAL M/F	0	0/0	3390/3360

HELICOPTER INFORMATION (JA6655)

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	9:09	9:18	9	9
2	11:13	11:21	9	9
3	13:12	13:19	8	8
4				

LEAK OFF TEST DATA

Leak off Test On	25-Jun.-2009
Lopes. @Surface	105psi
Leaked off EMW @shoe	1.114sg
Ruptured EMW @shoe	not observed

KICK TOLERANCE

Max. Allow CSG Pre.	
Kick Tolerance	

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

BOP TESTS

Last Test On	22-Jun-05
Annular BOPs To	3000psi (20.6Mpa)
Ram BOPs To	3000psi (20.6Mpa)

PERSONNEL @24:00

CDEX	7
MQJ Crew	88
MQJ(Other)	1
MWJ	13
Scientist	15
Sub Con.	
SLB VSP	2
SLB W/L	4
SLB CMT	3
Mud Logging	3
MI-Swaco	4
ROV	3
Telnite	1
Vetco Gray	1
NOV	1
WF	2
Vendors	0
Others	2
Total	150

Heave (m)	0.3
Pitch (deg)	0.5
Roll (deg)	0.5
Swell (m)	1.1
Vessel Heading (deg)	250.0
Drift (m)	0.1
Riser Tension (kN)	7,960
V.D. Load (Moon)	10,919.0
Max Draught (m)	9.2
Thruster (kW)	860
No. of transponders	10
Engine output(kW)	5,100
	P:30%, S:19%

GEOLOGIC INFORMATION

From	To	Lithology

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	63	67	307
Potable Water m3	0	5	130
Drill Water m3	18	14	1,108
Fuel m3	0	44.2	4,996.9
Lube, Oil Ltrs	0	500	62,900
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	36.4	7.6
Cement "DEEP CRETE" ton	0	0	12.5
Cement "LWC" ton	0	40.8	50.7

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Chikyu		
Heisei Maru	Chikyu		

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(kts)	CURRENT Dir. (deg)	VISIBILITY (km)
0:00	hr.	24	23.7	1006.9	1.6	5	2.5	1.1	10	7.1	0.3	84	20

TODAY'S SCHEDULE : **Run VSP.**

REPORTED BY : D.Ikenomoto / Y.Kawano

APPROVED BY : I.Sawada

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02 | **REPORT No. :** 76

HOLE NAME :	C0009A	**SITE NAME :**	NT2-11B	**Exp. :**	319
REPORT DATE :	25/Jul/2009				

17"DEPTH: @24:00 **3,650.0** mBRT **1,567.7** mbsf PROGRESS : Water Depth : **2,082.3** mBRT (**2054** mMSL) RT-MSL : **28.3** m SINCE MOVE : **74**

@06:00 **3,650.0** mBRT **1,567.7** mbsf **12-1/4"hole 3,686mBRT(1,603.7mbsf)** DRILLING/CORING Hrs. : **0** hrs LAST CASING : **13-3/8"** x **1,542.0** mbsf

SUMMARY OF OPERATION **Run Junk Catcher, Run VSP sensor, Conduct Walk Away VSP**

PRESENT OPERATION @06:00 on **25-Jul** : **VSP (circle shooting)**

mBRT: meter below rotary table
mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **24-Jul**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	5:00	5:00	LOG	Continue to run Junk basket with 8-1/4"Gauge Ring. (7000ft/hr inside Riser)
				Take weight @ 2080m (estimated CSG HGR pack off top). Reciprocate several times and pass through there.
				Tools run down to 3300mBRTwithout drag. Log up to 2078m. No overpull.
				POOH to surface. (Junk : almost cuttings 50g) Rig down SLB
5:00	8:00	3:00	LOG	Rig up VSP tool and run VSI sensors. (5arrays)
8:00	10:30	2:30	LOG	Conduct check shot
				Find VSP cable communication trouble
10:30	11:00	0:30	LOG(N)	POOH VSP tools
11:00	15:45	4:45	LOG(N)	Investigate VSP tools and find out a cable trouble between No.4 and No.5 arrey.
15:45	20:00	4:15	LOG	Run VSP tools (4arrays)
20:00	0:00	4:00	LOG	Conduct Walk Away VSP with Kairei
				(20:18-24:00) Line1 shooting, ongoing.
				Rig down Geoservices mud logging system
				Rig down MI-Swaco CCB (cutting transfer system)
				Lay down 1std of 13-3/8"casing (Buttress)

13-3/8"casing cementing pump volume(collection)

Lead Slurry	366.8 bbls
Tail Slurry	164.3 bbls

Cement additive consumption

D175	Deformer	35	gal
B038	Extender	530	gal
D185	LT displacement	19	gal
D081	Retarder	109	gal
D095	CemNET	200	lbs
D122A	Chemical Wash	70	gal
D182	Mudgush Ⅱ	500	lbs
D193	Fluid loss control	516	gal
Cement	Light Weight cement	41.8	ton
	G cement	36.4	ton

TIME BREAKDOWN (00:00 - 06:00 on 25-Jul) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	6:00	6:00	LOG	Conduct Walk Away VSP with Kairei
				(0:00-3:37) continue Line1 shooting
				(4:05-6:00) circle shooting ongoing

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	TFA (in^2)	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Bit Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP

BHA RECORD / CORE BARREL TYPE

String Wt.(kN)	mBRT
String total w/ HPS&TB	
Pick up Weight w/ HPS&TB	
Slack off weight w/ HPS&TB	
HPS & Traveling Block	690
BHA below Jar	

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.	WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	W	S	Sand %	PPG	MBC	n	K	Temp In	Out	Dilution rate
KNPP	9:30	PIT	1.10	122						10.7												17		

CUTTING SKIP

Empty	11
Full	0
Back up	0
S.Boat	0
Shingu	39
Total	50

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/146	#5	10	165/145
#3	10	165/145	#6	10	165/145

	Desander	Mudcleaner	Centrifuge
#1	off	off	off
#2	off	off	off
#3			off

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.	Generated Vol.	Daily	Total
Concentrated				Distilled Water		
Solidification				Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	DP	ECD @ shoe
1	6						
2	6						
3	6						

Mud Gas

	Base (%)	Max. (%)	Depth (m)
Trip Gas			–
Conn. Gas			–

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	148,500
Kingie-VO (Bulk)	0	0	16,700
NaOH	0	0	1,250
KOH	0	0	1,025
Lime	0	0	650
Soda Ash	0	0	1,600
Tel-Polymer(H)	0	0	660
Tel-Polymer(L)	0	0	1,160
Tel-Polymer DX	0	0	240
XCD-Polymer	0	0	1,000
Xian-Vis	0	0	600
NaCl (Bag)	0	0	20,000
KCL (Bag)	0	0	14,000
Clean Lube (L)	0	0	5,000
Clean Lube	0	0	8,000
Tel-DD	0	0	600
Lignite NC	0	0	3,600
Telnite GXL	0	0	144
Speeder (P)	0	0	1,700
Treat HP	0	0	160
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0	0	500/1000
Tel Mica C/M/F	0	0	500/500/1000
Tel Plug C/M/F	0	0/0/0	500/500/600
TAN CAL M/F	0	0/0	3390/3360

HELICOPTER INFORMATION (JA9616)

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	9:13	9:25	8	9
2				
3				
4				

LEAK OFF TEST DATA

Leak off Test On	25-Jun.-2009
Lopes. @Surface	105psi
Leaked off EMW @shoe	1.114sg
Ruptured EMW @shoe	not observed

KICK TOLERANCE

Max. Allow CSG Pre.	
Kick Tolerance	

BOP TESTS

Last Test On	22-Jun-05
Annular BOPs To	3000psi (20.6Mpa)
Ram BOPs To	3000psi (20.6Mpa)

PERSONNEL @24:00

CDEX	8
MQJ Crew	91
MQJ(Other)	1
MWJ	13
Scientist	15
Sub Con.	
SLB VSP	2
SLB W/L	4
SLB CMT	2
Mud Logging	5
MI-Swaco	2
ROV	3
Telnite	1
Vetco Gray	0
NOV	1
WF	0
Vendors	0
Others	1
Total	149

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

Hold general safety meeting

GEOLOGIC INFORMATION

From	To	Lithology

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	74	71	310
Potable Water m3	0	3	127
Drill Water m3	0	14	1,108
Fuel m3	0	42.6	4,954.3
Lube, Oil Ltrs	0	0	62,900
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	7.6
Cement "DEEP CRETE" ton	0	0	12.5
Cement "LWC" ton	0	0	50.7

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Chikyu	17:40	
Heisei Maru	Chikyu		

Heave (m)	0.4
Pitch (deg)	0.7
Roll (deg)	0.5
Swell (m)	1.2
Vessel Heading (deg)	250.0
Drift (m)	0.2
Riser Tension (kN)	8,000
V.D. Load (Moon)	10,914.1
Max Draught (m)	9.2
Thruster (kW)	920
No. of transponders	10
Engine output(kW)	5,430
	P:32.7%, S:20.5%

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(kts)	CURRENT Dir. (deg)	VISIBILITY (km)
0:00	hc.	25	24.4	1008.8	8.4	215	8.6	1.2	200	7.4	0.5	91	20

TODAY'S SCHEDULE : **VSP, Rig down SLB, Drill line slip & cut, Displace Riser with SW**

REPORTED BY : Y.Kawano / Y.Masumoto

APPROVED BY : T.Abe

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02 | **REPORT No. :** 77

HOLE NAME :	C0009A	SITE NAME :	NT2-11B	Exp. :	319
REPORT DATE :	26/Jul/2009				

17"DEPTH: @24:00 **3,650.0** mBRT **1,567.7** mbsf PROGRESS : Water Depth : **2,082.3** mBRT (**2054** mMSL) RT-MSL : **28.3** m SINCE MOVE : **75**

@06:00 **3,650.0** mBRT **1,567.7** mbsf **12-1/4"hole 3,686mBRT(1,603.7mbsf)** DRILLING/CORING Hrs. : **0** hrs LAST CASING : **13-3/8"** x **1,542.0** mbsf

SUMMARY OF OPERATION **Conduct Walk Away VSP & Zero Offset VSP**

PRESENT OPERATION @06:00 on **26-Jul** : **Drill Line slip & cut**

mBRT: meter below rotary table
mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **25-Jul**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	11:00	11:00	LOG	Conduct Walk Away VSP with Kairei
11:00	12:00	1:00	LOG	Prepare for Zero offset VSP
				Deploy air gan into sea water with No2 crane (FWD-Port)
				Perform tool check
				Break shear pin of safety shearing device on compensation line due to tension increase caused by tide descent @ 11:10
12:00	15:00	3:00	LOG(N)	Troubleshoot safety shearing device
				Break shear pin 2times due to insufficient strength of shear pin. Fabricate bushing and install same with shear pin.
				Replace kinked wire hanging air gun
15:00	15:45	0:45	LOG	Perform air gun tuning
15:45	19:45	4:00	LOG	Conduct Zero offset VSP
19:45	21:30	1:45	LOG	POOH
21:30	23:30	2:00	LOG	Lay down VSP tools
23:30	0:00	0:30	LOG	Rig down Schlumberger
				Hole is static while VSP operation

TIME BREAKDOWN (00:00 - 06:00 on 26-Jul) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	1:00	1:00	LOG	Rig down SLB and W/L compensation system.
1:00	3:30	2:30	Other	Lay down CMTC stand. (Surface Dart launcher + Drill pipe) Remove elevator from bails, clear rig floor.
3:30	3:45	0:15	Other	Hold TBRA for Drill Line slip & cut
3:45	6:00	2:15	RS	Drill Line slip & cut 50m

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	TFA (in^2)	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Bit Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP

BHA RECORD / CORE BARREL TYPE

String Wt.(kN)	mBRT
String total w/ HPS&TB	
Pick up Weight w/ HPS&TB	
Slack off weight w/ HPS&TB	
HPS & Traveling Block	690
BHA below Jar	

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.	WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	W	S	Sand %	PPG	MBC	n	K	Temp In	Out	Dilution rate
KNPP	10:30	PIT	1.10	114						10.6												17		

CUTTING SKIP

Empty	3
Full	0
Back up	0
S.Boat	0
Shingu	47
Total	50

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/146	#5	10	165/145
#3	10	165/145	#6	10	165/145

	Desander	Mudcleaner	Centrifuge
#1	off	off	off
#2	off	off	off
#3			off

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.	Generated Vol.	Daily	Total
Concentrated				Distilled Water		
Solidification				Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	DP	ECD @ shoe
1	6						
2	6						
3	6						

Mud Gas

Base (%)	Max. (%)	Depth (m)
Trip Gas		–
Conn. Gas		–

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	148,500
Kingie-VO (Bulk)	0	0	16,700
NaOH	0	0	1,250
KOH	0	0	1,025
Lime	0	0	650
Soda Ash	0	0	1,600
Tel-Polymer(H)	0	0	660
Tel-Polymer(L)	0	0	1,160
Tel-Polymer DX	0	0	240
XCD-Polymer	0	0	1,000
Xian-Vis	0	0	600
NaCl (Bag)	0	0	20,000
KCL (Bag)	0	0	14,000
Clean Lube (L)	0	0	5,000
Clean Lube	0	0	8,000
Tel-DD	0	0	600
Lignite NC	0	0	3,600
Telnite GXL	0	0	144
Speeder (P)	0	0	1,700
Treat HP	0	0	160
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0	0	500/1000
Tel Mica C/M/F	0	0	500/500/1000
Tel Plug C/M/F	0	0/0/0	500/500/600
TAN CAL M/F	0	0/0	3390/3360

HELICOPTER INFORMATION (JA9616)

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1				
2				
3				
4				

LEAK OFF TEST DATA

Leak off Test On	25-Jun.-2009
Lopes. @Surface	105psi
Leaked off EMW @shoe	1.114sg
Ruptured EMW @shoe	not observed

KICK TOLERANCE

Max. Allow CSG Pre.	
Kick Tolerance	

BOP TESTS

Last Test On	22-Jun-05
Annular BOPs To	3000psi (20.6Mpa)
Ram BOPs To	3000psi (20.6Mpa)

PERSONNEL @24:00

CDEX	8
MQJ Crew	91
MQJ(Other)	1
MWJ	13
Scientist	15
Sub Con.	
SLB VSP	2
SLB W/L	4
SLB CMT	2
Mud Logging	5
MI-Swaco	2
ROV	3
Telnite	1
Vetco Gray	0
NOV	1
WF	0
Vendors	0
Others	1
Total	149

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

GEOLOGIC INFORMATION

From	To	Lithology

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	0	67	243
Potable Water m3	66	7	186
Drill Water m3	6	0	1,114
Fuel m3	0	43.1	4,911.2
Lube, Oil Ltrs	0	2200	60,700
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	7.6
Cement "DEEP CRETE" ton	0	0	12.5
Cement "LWC" ton	0	0	50.7

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Chikyu	17:40	
Heisei Maru	Chikyu		

Heave (m)		0.4
Pitch (deg)		0.8
Roll (deg)		0.4
Swell (m)	1.4	1.2
Vessel Heading (deg)		260.0
Drift (m)		0.1
Riser Tension (kN)		8,000
V.D. Load (Moon)		11,028.9
Max Draught (m)		9.2
Thruster (kW)		1,120
No. of transponders		10
Engine output(kW)		4,940
		P:31%, S:20%

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	SW	Barometer (hPa)	WIND Speed(m/s)	Dir. (deg)	Gust (m/s)	WAVE Height(m)	Dir. (deg)	Period (s)	CURRENT Speed(kts)	Dir. (deg)	VISIBILITY (km)
0:00	hc	26	25	1010.8	8.8	250	9.4	1.4	240	7.2	0.6	55	20

TODAY'S SCHEDULE : **Displace Riser with SW, Prepare for retreiving Riser**

REPORTED BY : Y.Kawano / Y.Masumoto

APPROVED BY : T.Abe

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02 | **REPORT No. :** 78

HOLE NAME :	C0009A	SITE NAME :	NT2-11B	Exp. :	319
REPORT DATE :	27/Jul/2009				

17"DEPTH: @24:00 **3,650.0** mBRT **1,567.7** mbsf PROGRESS : Water Depth : **2,082.3** mBRT (**2054** mMSL) RT-MSL : **28.3** m SINCE MOVE : **76**

@06:00 **3,650.0** mBRT **1,567.7** mbsf **12-1/4"hole 3,686mBRT(1,603.7mbsf)** DRILLING/CORING Hrs. : **0** hrs LAST CASING : **13-3/8"** x **1,542.0** mbsf

SUMMARY OF OPERATION **Rig down Schlumberger, Drill line slip and cut, Prepare to retrieve BOP**

PRESENT OPERATION @06:00 on **27-Jul** : **Prepare to open tensioner ring**

mBRT: meter below rotary table
mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **26-Jul**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	1:00	1:00	LOG	Rig down SLB and W/L compensation system.
1:00	3:30	2:30	Other	Lay down CMTG stand. (Surface Dart launcher + Drill pipe) Remove elevator from bails, clear rig floor.
3:30	3:45	0:15	Other	Hold TBRA for Drill Line slip & cut
3:45	9:30	5:45	RS	Drill Line slip & cut 50m
				Meanwhile displace Riser, C/K line and boost line with sea water. (07:30-0930)
				Receive 470m3 of KNPP mud and 58m3 of dirty sea water
				Confirm well is static after displacement.
9:30	10:00	0:30	RS	Re-calibration block height and check safety device of block positioning.
10:00	10:45	0:45	RS	Brake test on Drawworks
10:45	13:30	2:45	BOPE	Park HPS on parking frame.
13:30	0:00	10:30	BOPE	Prepare to retrieve BOP
				Rig up riser guide head on HR1
				Lay out hydraulic elevator and rig up riser running tool
				Replace manipulator head for riser.
				Install Gimbal and Riser spider.
				Function test same.
				Lay down core
				Launch ROV @ 22:55

TIME BREAKDOWN (00:00 - 06:00 on 27-Jul) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	0:30	0:30	Other	Hold TBRA for retrieving Riser.
0:30	2:45	2:15	BOPE	Install Diverter running tool and engage diverter. Take 10ton overpull. Bleed off pressure and remove valve block and unlock diverter dog.
				Pull out and lay down Diverter.
2:45	4:15	1:30	BOPE	Remove Diverter from HPS and park same.
4:15	6:00	1:45	BOPE	Pick up and connect Landing joint onto Telescopic joint.
				Close telescopic joint and latch Gator Lock.
				Transfer load from tensioner to CMC. CMC: 740kN to 2550kN. Tensioner : 8500kN to 6650kN
5:30	6:00	0:30	BOPE	Change vessel heading from 270deg to 245deg.
				Unlatch BOP connection successfully @ 6:00

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	TFA (in^2)	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Bit Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP

BHA RECORD / CORE BARREL TYPE

String Wt.(kN)	mBRT
String total w/ HPS&TB	
Pick up Weight w/ HPS&TB	
Slack off weight w/ HPS&TB	
HPS & Traveling Block	690
BHA below Jar	

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.	WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	Content(%) W	Content(%) S	Sand %	PPG	MBC	n	K	Temp In	Temp Out	Dilution rate

CUTTING SKIP

Empty	3
Full	0
Back up	0
S.Boat	0
Shingu	47
Total	50

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/146	#5	10	165/145
#3	10	165/145	#6	10	165/145

	Desander	Mudcleaner	Centrifuge
#1	off	off	off
#2	off	off	off
#3			off

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.	Generated Vol.	Daily	Total
Concentrated				Distilled Water		
Solidification				Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP	ECD @ shoe
1	6						
2	6						
3	6						

Mud Gas

	Base (%)	Max. (%)	Depth (m)
Trip Gas			--
Conn. Gas			--

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	148,500
Kingie-VO (Bulk)	0	0	16,700
NaOH	0	0	1,250
KOH	0	0	1,025
Lime	0	0	650
Soda Ash	0	0	1,600
Tel-Polymer(H)	0	0	660
Tel-Polymer(L)	0	0	1,160
Tel-Polymer DX	0	0	240
XCD-Polymer	0	0	1,000
Xian-Vis	0	0	600
NaCl (Bag)	0	0	20,000
KCL (Bag)	0	0	14,000
Clean Lube (L)	0	0	5,000
Clean Lube	0	0	8,000
Tel-DD	0	0	600
Lignite NC	0	0	3,600
Telnite GXL	0	0	144
Speeder (P)	0	0	1,700
Treat HP	0	0	160
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0	0	500/1000
Tel Mica C/M/F	0	0	500/500/1000
Tel Plug C/M/F	0	0/0/0	500/500/600
TAN CAL M/F	0	0/0	3390/3360

HELICOPTER INFORMATION (JA9616)

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	9:17	9:29	8	9
2	11:13	11:18	3	5
3				
4				

LEAK OFF TEST DATA

Leak off Test On	25-Jun.-2009
Lopes. @Surface	105psi
Leaked off EMW @shoe	1.114sg
Ruptured EMW @shoe	not observed

BOP TESTS

Last Test On	22-Jun-05
Annular BOPs To	3000psi (20.6Mpa)
Ram BOPs To	3000psi (20.6Mpa)

KICK TOLERANCE

Max. Allow CSG Pre.	
Kick Tolerance	

PERSONNEL @24:00

CDEX	8
MQJ Crew	92
MQJ(Other)	3
MWJ	13
Scientist	15
Sub Con.	
SLB VSP	0
SLB W/L	0
SLB CMT	1
Mud Logging	0
MI-Swaco	0
ROV	6
Telnite	1
Vetco Gray	0
NOV	1
WF	0
Vendors	0
Others	6
Total	146

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

Conduct area inspection on sub sea work shop , MCC, Hydraulic unit, hydraulic pressure uit.

GEOLOGIC INFORMATION

From	To	Lithology

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	0	54	189
Potable Water m3	68	4	250
Drill Water m3	6	0	1,114
Fuel m3	0	43.5	4,889.2
Lube, Oil Ltrs	0	0	60,700
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	7.6
Cement "DEEP CRETE" ton	0	0	12.5
Cement "LWC" ton	0	0	50.7

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Chikyu	17:40	
Heisei Maru	Chikyu	18:22	0:00

Heave (m)	1.0
Pitch (deg)	0.9
Roll (deg)	0.5
Swell (m)	1.4
Vessel Heading (deg)	225.0
Drift (m)	0.2
Riser Tension (kN)	7,000
V.D. Load (Moon)	11,484.6
Max Draught (m)	9.2
Thruster (kW)	690
No. of transponders	10
Engine output(kW)	4,950
	P:30%, S:19%

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(kts)	CURRENT Dir. (deg)	VISIBILITY (km)
0:00	r	26	23.5	1008.4	8.7	180	9.7	1.4	210	8.5	0.3	75	14

TODAY'S SCHEDULE : **Ritreive riser**

REPORTED BY : Y.Kawano / Y.Masumoto
APPROVED BY : T.Abe

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02 | **REPORT No. : 80**

HOLE NAME :	C0009A	SITE NAME :	NT2-11B	Exp. :	319
REPORT DATE :	29/Jul/2009				

17"DEPTH: @24:00 **3,650.0** mBRT **1,567.7** mbsf PROGRESS : Water Depth : **2,082.3** mBRT (**2054** mMSL) RT-MSL : **28.3** m SINCE MOVE : **78**

@06:00 **3,650.0** mBRT **1,567.7** mbsf **12-1/4"hole 3,686mBRT(1,603.7mbsf)** DRILLING/CORING Hrs. : **0** hrs LAST CASING : **13-3/8"** x **1,542.0** mbsf

SUMMARY OF OPERATION **Continue retrieving Riser**

PRESENT OPERATION @06:00 on **29-Jul** : **Retrieve Riser**

mBRT: meter below rotary table
mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **28-Jul**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	0:15	0:15	Other	Hold TBRA for retrieving Riser.
0:15	0:45	0:30	BOPE	Lay down Safety joint.
0:45	1:45	1:00	BOPE	Lay down Termination joint.
1:45	0:00	22:15	BOPE	POOH and lay down 12jts (No.71to No.60) of Buoyant Riser (2000ft rating).
				Remove faring from No.71 to No.60
				Remove RALS from No.66
				(H2S treatment)
				Mix H2S inhibitor (NaOH, Treat HS and GXL) into 58m3 dirty water in active No.2.
				Transfer same to drill drain tank through cutting settling tank and drill drain daily tank.

TIME BREAKDOWN (00:00 - 06:00 on 29-Jul) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	0:15	0:15	Other	Hold TBRA for retrieving Riser.
0:15	6:00	5:45	BOPE	POOH and lay down 10jts (No.59 to No.50) of Buoyant Riser (7jts x 2000ft rating, 3jts x 3,000ft rating).
				Remove RALS from No.53
				(H2S treatment)
				Mix 60m3 of H2S inhibitor (KOH, Lime) and transfer same to cutting settling tank.

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	TFA (in^2)	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Bit Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP

BHA RECORD / CORE BARREL TYPE

String Wt.(kN)	mBRT
String total w/ HPS&TB	
Pick up Weight w/ HPS&TB	
Slack off weight w/ HPS&TB	
HPS & Traveling Block	690
BHA below Jar	

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.	WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	W	S	Sand %	PPG	MBC	n	K	Temp In	Out	Dilution rate

CUTTING SKIP

Empty	3
Full	0
Back up	0
S.Boat	0
Shingu	47
Total	50

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/146	#5	10	165/145
#3	10	165/145	#6	10	165/145

	Desander	Mudcleaner	Centrifuge
#1	off	off	off
#2	off	off	off
#3			off

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.	Generated Vol.	Daily	Total
Concentrated				Distilled Water		
Solidification				Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	DP	ECD @ shoe
1	6						
2	6						
3	6						

Mud Gas

Base (%)	Max. (%)	Depth (m)
Trip Gas		–
Conn. Gas		–

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	148,500
Kingie-VO (Bulk)	0	0	16,700
NaOH	0	0	1,250
KOH	0	500	175
Lime	0	400	0
Soda Ash	0	0	1,600
Tel-Polymer(H)	0	0	660
Tel-Polymer(L)	0	0	1,160
Tel-Polymer DX	0	0	240
XCD-Polymer	0	0	1,000
Xian-Vis	0	0	600
NaCl (Bag)	0	0	20,000
KCL (Bag)	0	0	14,000
Clean Lube (L)	0	0	5,000
Clean Lube	0	0	8,000
Tel-DD	0	0	600
Lignite NC	0	0	3,600
Telnite GXL	0	0	0
Speeder (P)	0	0	1,700
Treat HS	0	0	0
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0	0	500/1000
Tel Mica C/M/F	0	0	500/500/1000
Tel Plug C/M/F	0	0/0/0	500/500/600
TAN CAL M/F	0	0/0	3390/3360

HELICOPTER INFORMATION (JA9616)

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	9:16	9:26	8	8
2	11:12	11:23	9	9
3				
4				

LEAK OFF TEST DATA

Leak off Test On	25-Jun.-2009
Lopes. @Surface	105psi
Leaked off EMW @shoe	1.114sg
Ruptured EMW @shoe	not observed

BOP TESTS

Last Test On	22-Jun-05
Annular BOPs To	3000psi (20.6Mpa)
Ram BOPs To	3000psi (20.6Mpa)

KICK TOLERANCE

Max. Allow CSG Pre.	
Kick Tolerance	

PERSONNEL @24:00

CDEX	7
MQJ Crew	92
MQJ(Other)	1
MWJ	14
Scientist	12
Sub Con.	
SLB VSP	0
SLB W/L	0
SLB CMT	1
Mud Logging	0
MI-Swaco	0
ROV	6
Telnite	1
Telnite(waste mud)	5
NOV	1
Vetco Gray	0
Vendors	0
Others	2
Total	142

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

GEOLOGIC INFORMATION

From	To	Lithology

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	77	60	209
Potable Water m3	0	4	243
Drill Water m3	6	0	1,104
Fuel m3	0	44	4,780.8
Lube, Oil Ltrs	0	0	59,600
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	7.6
Cement "DEEP CRETE" ton	0	0	12.5
Cement "LWC" ton	0	0	50.7

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Chikyu	19:20	
Heisei Maru	Chikyu		

Heave (m)	0.5
Pitch (deg)	0.6
Roll (deg)	0.7
Swell (m)	1.0
Vessel Heading (deg)	250.0
Drift (m)	0.2
Riser Tension (kN)	-
V.D. Load (Moon)	10,834.0
Max Draught (m)	9.2
Thruster (kW)	1,650
No. of transponders	10
Engine output(kW)	5,410
	P:35%, S:21%

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(kts)	CURRENT Dir. (deg)	VISIBILITY (km)
0:00	r	25.5	24.2	1007.7	7.9	180	8.2	1.0	200	7.3	0.1	290	16

TODAY'S SCHEDULE : **Continue retrieving Riser**

REPORTED BY : Y.Kawano / Y.Masumoto

APPROVED BY : T.Abe

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02 | **REPORT No. :** 81

HOLE NAME : C0009A | **SITE NAME :** NT2-11B | **Exp. :** 319 | **REPORT DATE :** 30/Jul/2009

17"DEPTH: @24:00 **3,650.0** mBRT **1,567.7** mbsf PROGRESS : | Water Depth : **2,082.3** mBRT (**2054** mMSL) | RT-MSL : **28.3** m | SINCE MOVE : **79**

@06:00 **3,650.0** mBRT **1,567.7** mbsf **12-1/4"hole 3,686mBRT(1,603.7mbsf)** | DRILLING/CORING Hrs. : **0** hrs | LAST CASING : **13-3/8"** x **1,542.0** mbsf

SUMMARY OF OPERATION

PRESENT OPERATION @06:00 on **30-Jul** : **Continue retrieving Riser**

TIME BREAKDOWN (00:00 - 24:00 on **29-Jul**) **Retrieve Riser**

mBRT: meter below rotary table

mbsf: : meter below sea floor

From	To	Hrs	Code	DETAIL of OPERATION
0:00	0:15	0:15	Other	Hold TBRA for retrieving Riser.
0:15	0:00	23:45	BOPE	POOH and lay down 48jts (No.59 to No.12) of Buoyant Riser : 7jts x 2000ft rating, 11jts x 3,000ft rating, 21jts x 5,000ft rating, 9jts x 7,000ft.
				Remove RALS from No.53, No.41, No.29, No.17
				(H2S treatment)
				Mix 60m3 of H2S inhibitor (KOH, Lime) and transfer same to cutting settling tank.

TIME BREAKDOWN (00:00 - 06:00 on 30-Jul) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	0:15	0:15	Other	Hold TBRA for retrieving Riser.
0:15	6:00	5:45	BOPE	POOH and lay down 9jts of Riser (No.11 to No.3) : 1jts x 7,000ft rating , 8jts x Slick joint.

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	TFA (in^2)	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Bit Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP

BHA RECORD / CORE BARREL TYPE

String Wt.(kN)	mBRT
String total w/ HPS&TB	
Pick up Weight w/ HPS&TB	
Slack off weight w/ HPS&TB	
HPS & Traveling Block	690
BHA below Jar	

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.	WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	Content(%) W	Content(%) S	Sand %	PPG	MBC	n	K	Temp In	Temp Out	Dilution rate

CUTTING SKIP

Empty	2
Full	0
Back up	0
S.Boat	0
Shingu	48
Total	50

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/146	#5	10	165/145
#3	10	165/145	#6	10	165/145

	Desander	Mudcleaner	Centrifuge
#1	off	off	off
#2	off	off	off
#3			off

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.	Generated Vol.	Daily	Total
Concentrated				Distilled Water		
Solidification				Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP	ECD @ shoe
1	6						
2	6						
3	6						

Mud Gas

	Base (%)	Max. (%)	Depth (m)
Trip Gas			–
Conn. Gas			–

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	148,500
Kingie-VO (Bulk)	0	0	16,700
NaOH	2,500	0	3,750
KOH	0	0	150
Lime	2,000	0	2,000
Soda Ash	0	0	1,600
Tel-Polymer(H)	0	0	660
Tel-Polymer(L)	0	0	1,160
Tel-Polymer DX	0	0	240
XCD-Polymer	0	0	1,000
Xian-Vis	0	0	600
NaCl (Bag)	0	0	20,000
KCL (Bag)	-10,000	0	4,000
Clean Lube (L)	0	0	5,000
Clean Lube	0	0	8,000
Tel-DD	0	0	600
Lignite NC	0	0	3,600
Telnite GXL	0	0	0
Speeder (P)	0	0	1,700
Treat HS	200	0	200
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0	0	500/1000
Tel Mica C/M/F	0	0	500/500/1000
Tel Plug C/M/F	0	0/0/0	500/500/600
TAN CAL M/F	0	0/0	3390/3360

HELICOPTER INFORMATION (JA9616)

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	10:46	10:54	9	9
2	12:38	12:47	9	9
3	14:28	14:31	0	1
4				

LEAK OFF TEST DATA

Leak off Test On	25-Jun.-2009
Lopes. @Surface	105psi
Leaked off EMW @shoe	1.114sg
Ruptured EMW @shoe	not observed

KICK TOLERANCE

Max. Allow CSG Pre.	
Kick Tolerance	

BOP TESTS

Last Test On	22-Jun-05
Annular BOPs To	3000psi (20.6Mpa)
Ram BOPs To	3000psi (20.6Mpa)

PERSONNEL @24:00

CDEX	8
MQJ Crew	89
MQJ(Other)	1
MWJ	14
Scientist	12
Sub Con.	
SLB VSP	0
SLB W/L	0
SLB CMT	1
Mud Logging	0
MI-Swaco	0
ROV	7
Telnite	1
Telnite(waste mud)	5
NOV	1
Vetco Gray	0
Vendors	0
Others	2
Total	141

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

GEOLOGIC INFORMATION

From	To	Lithology

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	79	64	224
Potable Water m3	0	5	238
Drill Water m3	0	0	1,104
Fuel m3	0	44.8	4,736.0
Lube, Oil Ltrs	0	0	59,600
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	7.6
Cement "DEEP CRETE" ton	0	0	12.5
Cement "LWC" ton	0	0	50.7

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Chikyu		0:47
		19:20	23:13
Heisei Maru	Chikyu		

Heave (m)	0.4
Pitch (deg)	0.4
Roll (deg)	0.1
Swell (m)	1.0
Vessel Heading (deg)	220.0
Drift (m)	0.2
Riser Tension (kN)	-
V.D. Load (Moon)	10,834.0
Max Draught (m)	9.2
Thruster (kW)	730
No. of transponders	10
Engine output(kW)	5,180
	P:32%, S:19%

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(kts)	CURRENT Dir. (deg)	VISIBILITY (km)
0:00	h-	26	24	1006.5	8.6	231	8.9	1.0	220	7.8	0.4	110	16

TODAY'S SCHEDULE : **Continue retrieving Riser and BOP, install corrosion cap**

REPORTED BY : Y.Kawano / Y.Masumoto

APPROVED BY : T.Abe

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02 | **REPORT No. :** 82

HOLE NAME : C0009A | **SITE NAME :** NT2-11B | **Exp. :** 319 | **REPORT DATE :** 31/Jul/2009

17"DEPTH: @24:00 **3,650.0** mBRT **1,567.7** mbsf PROGRESS : Water Depth : **2,082.3** mBRT (**2054** mMSL) RT-MSL : **28.3** m SINCE MOVE : **80**

@06:00 **3,650.0** mBRT **1,567.7** mbsf **12-1/4"hole 3,686mBRT(1,603.7mbsf)** DRILLING/CORING Hrs. : **0** hrs LAST CASING : **13-3/8"** x **1,542.0** mbsf

SUMMARY OF OPERATION **Continue retrieving Riser, LMRP and BOP, Retrieve transponder**

PRESENT OPERATION @06:00 on **31-Jul** : **Retrieve transponder**

mBRT: meter below rotary table
mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **30-Jul**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	0:15	0:15	Other	Hold TBRA for retrieving Riser.
0:15	8:00	7:45	BOPE	POOH and lay down Riser
				1jt x Buoyant Riser (7,000ft rating) , 10jts x Slick joint.
				10jts x Slick joint
				2 jts x Pup joint (15' and 20')
8:00	10:00	2:00	BOPE	Rig down Fairing Platform
10:00	10:30	0:30	BOPE	Pull BOP through moonpool and secure in guides.
10:30	12:30	2:00	BOPE	Remove pressure sensor flange, riser can, Mux cable clamp
				Pick up BOP and install overhead tagger guides.
				Skid BOP cart under BOP and land same on skidding frame
12:30	13:30	1:00	BOPE	Remove overhead guides and nipple down BOP
13:30	14:15	0:45	BOPE	Skid BOP to AFT position.
14:15	0:00	9:45	Other	Retrieve transponder by ROV
				Launch ROV @14:35
				ROV on deck with 4 transponders @20:38
				Launch ROV @22:40
				meanwhile rig down riser running equipments
				14:15-15:15 Lay down centralizer joint and instrumented joint.
				15:15-15:45 Rig down riser running tools on the floor and riser yoke from No.3crane.
				15:45-18:00 Remove RTS bridge, skid BOP to parking position. Re-install bridge.
				18:00-19:30 Remove riser spider gimbals and install rotary bushings
				19:30-20:30 Rig down riser guide head from HR
				20:30-23:15 Rig down riser running tool from traveling block.
				23:15-24:00 Remove traveling block hose derection ropes from HPS
				Remove riser guide head from manipulator.

TIME BREAKDOWN (00:00 - 06:00 on 31-Jul) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	6:00	6:00	Other	Continue retrieving transponders
				ROV on deck with 4 transponders @5:00
				00:00-0:15 Holed TBRA for reload HPS on trabveling block
				00:15-03:00 Reload HPS on traveling block
				03:00- 03:15 Hold TBRA for rig down torque wrench
				03:15-06:00 Rig down torque wrench and break out connection between HPS shaft and upper IBOP

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	TFA (in^2)	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Bit Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP

BHA RECORD / CORE BARREL TYPE

String Wt.(kN)	mBRT
String total w/ HPS&TB	
Pick up Weight w/ HPS&TB	
Slack off weight w/ HPS&TB	
HPS & Traveling Block	690
BHA below Jar	

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.	WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	Content(%) W	Content(%) S	Sand %	PPG	MBC	n	K	Temp In	Temp Out	Dilution rate

CUTTING SKIP

Empty	2
Full	0
Back up	0
S.Boat	0
Shingu	48
Total	50

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/146	#5	10	165/145
#3	10	165/145	#6	10	165/145

	Desander	Mudcleaner	Centrifuge
#1	off	off	off
#2	off	off	off
#3			off

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.	Generated Vol.	Daily	Total
Concentrated				Distilled Water		
Solidification				Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP	ECD @ shoe
1	6						
2	6						
3	6						

Mud Gas

	Base (%)	Max. (%)	Depth (m)
Trip Gas			--
Conn. Gas			--

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	148,500
Kingie-VO (Bulk)	0	8,800	7,900
NaOH	0	0	3,750
KOH	0	0	150
Lime	0	0	2,000
Soda Ash	0	0	1,600
Tel-Polymer(H)	0	0	660
Tel-Polymer(L)	0	0	1,160
Tel-Polymer DX	0	0	240
XCD-Polymer	0	0	1,000
Xian-Vis	0	25	575
NaCl (Bag)	0	0	20,000
KCL (Bag)	0	0	4,000
Clean Lube (L)	0	0	5,000
Clean Lube	0	0	8,000
Tel-DD	0	0	600
Lignite NC	0	0	3,600
Telnite GXL	0	0	0
Speeder (P)	0	0	1,700
Treat HS	0	0	200
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	-500/-500	0	0 / 0
Tel Mica C/M/F	-500/-500/0	0	0 / 0 /1000
Tel Plug C/M/F	-500/-500/-600	0/0/0	0/0/0
TAN CAL M/F	0	0/0	3390/3360

HELICOPTER INFORMATION (JA9616)

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	9:11	9:15	0	1
2				
3				
4				

LEAK OFF TEST DATA

Leak off Test On	25-Jun.-2009
Lopes. @Surface	105psi
Leaked off EMW @shoe	1.114sg
Ruptured EMW @shoe	not observed

BOP TESTS

Last Test On	22-Jun-05
Annular BOPs To	3000psi (20.6Mpa)
Ram BOPs To	3000psi (20.6Mpa)

KICK TOLERANCE

Max. Allow CSG Pre.	
Kick Tolerance	

PERSONNEL @24:00

CDEX	8
MQJ Crew	89
MQJ(Other)	1
MWJ	14
Scientist	12
Sub Con.	
SLB VSP	0
SLB W/L	0
SLB CMT	1
Mud Logging	0
MI-Swaco	0
ROV	7
Telnite	1
Telnite(waste mud)	5
NOV	1
Vetco Gray	0
Vendors	0
Others	1
Total	140

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

GEOLOGIC INFORMATION

From	To	Lithology

MATERIALS STOCK on BOARD @24:00

Item		RECEIVED	USED	STOCK
Fresh Water	m3	90	76	238
Potable Water	m3	0	1	237
Drill Water	m3	0	131	973
Fuel	m3	0	44.7	4,691.3
Lube, Oil	Ltrs	0	1400	58,200
Heli Fuel	Ltrs	0	0	0
Cement "G"	ton	0	0	7.6
Cement "DEEP CRETE"	ton	0	0	12.5
Cement "LWC"	ton	0	0	50.7

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Chikyu	19:45	
Heisei Maru	Chikyu		

Heave (m)	0.4
Pitch (deg)	0.5
Roll (deg)	0.1
Swell (m)	1.1
Vessel Heading (deg)	250.0
Drift (m)	0.3
Riser Tension (kN)	-
V.D. Load (Moon)	12,697.4
Max Draught (m)	9.2
Thruster (kW)	1,590
No. of transponders	10(retrieving)
Engine output(kW)	5,900
	P:31%, S:29%

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(kts)	CURRENT Dir. (deg)	VISIBILITY (km)
0:00		26	24	1008.1	2.2	68	2.6	1.1	180	9	0.4	192	16

TODAY'S SCHEDULE : **Retrieve transponder, Install corrosion cap, Loading operation for NT2-01**

REPORTED BY : Y.Kawano / Y.Masumoto
APPROVED BY : T.Abe

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 83

HOLE NAME :	C0010A/C0009A	**SITE NAME :**	NT2-01J / NT2-11B	**Exp. :**	319	**REPORT DATE :**	1/Aug/2009
@24:00	0.0 mBRT	0.0 mbsf	PROGRESS : -	Water Depth : 2,082.3 mBRT (2054mMSL)	RT-MSL : 28.3 m	SINCE MOVE :	81
@06:00	0.0 mBRT	0.0 mbsf	-	DRILLING/CORING Hrs. : 0 hrs	LAST CASING : - x -		mbsf

SUMMARY OF OPERATION **Retrieving Transponders / Set Corrosion Cap / Preparation for NT2-01**

PRESENT OPERATION @06:00 on **1-Aug** : Rig move to NT2-01J

mBRT: meter below rotary table

mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **31-Jul**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	7:00	7:00	Others	Continue to dive ROV to recover 4ea x transponders
7:00	12:00	5:00	Others	Dive ROV to recover 2ea x transponders
12:00	17:00	5:00	Others	Dive ROV to set corrosion cap
				<Meanwhile >
				0:00 0:15 Held TBRA meeting for reload HPS on traveling block.
				0:15 3:00 Reload HPS on traveling block.
				3:00 3:15 Held TBRA meeting for rig down torque wrench.
				3:15 12:00 Rig down torque wrench and B/O IBOP's. Install new IBOP's and saver sub, MU same.
				12:00 17:00 Change out Link tilt cylinder and repair IBOP actuator sleeve
				Unable to remove seized pin from link tilt assy, rebuild link tilt assy , Machined worn actuator shell, Install and function IBOP actuator.
17:00	0:00	7:00	Others	Continue with removal of goosenecks and commence picking up hose's for transit to NT2-01J.
				<Meanwhile>
				20:00 1:00 Vibration test on thrusters(2S,2P)
				20:00 21:30 Replace thruster graphic control unit
				21:30 22:30 Replace HP#2 receiver in Bridge
				Loading
				Load 20" WH Jts and Intermediate Jts
				Load 20tons of Bentonite
				Backload riser fairing
				Loading completed at 19:50 Release Kaiko for Current Measurement
				Finish NT2-11B operation at 0000hrs on 1 Aug.

TIME BREAKDOWN (00:00 - 06:00 on 1-Aug) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
				Commence NT2-01J operation from 0000hrs on 1 Aug.
0:00	2:00	2:00	Others	Prepare to move rig to the next location
2:00	6:00	4:00	Others	Rig move to 2.7n.miles west from the next location

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	TFA (in^2)	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Bit Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP

BHA RECORD / CORE BARREL TYPE

String Wt.(kN)	mBRT
String total w/ HPS&TB	
Pick up Weight w/ HPS&TB	
Slack off weight w/ HPS&TB	
HPS & Traveling Block	690
BHA below Jar	

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.	WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	W	S	Sand %	PPG	MBC	n	K	Temp In	Out	Dilution rate

CUTTING SKIP	
Empty	2
Full	0
Back up	0
S.Boat	0
Shingu	48
Total	50

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/146	#5	10	165/145
#3	10	165/145	#6	10	165/145

	Desander	Mudcleaner	Centrifuge
#1	off	off	off
#2	off	off	off
#3			off

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.	Generated Vol.	Daily	Total
Concentrated				Distilled Water		
Solidification				Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	DP	ECD @ shoe
1	6						
2	6						
3	6						

Mud Gas

Base (%)	Max. (%)	Depth (m)
Trip Gas		–
Conn. Gas		–

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	176,500
Kingie-VO (Bulk)	20,400	7,900	20,400
NaOH	0	0	3,750
KOH	0	0	150
Lime	0	0	3,000
Soda Ash	0	0	1,600
Tel-Polymer(H)	0	0	660
Tel-Polymer(L)	0	0	1,160
Tel-Polymer DX	0	0	240
XCD-Polymer	0	0	1,000
Xian-Vis	0	0	575
NaCl (Bag)	0	0	20,000
KCL (Bag)	0	0	4,000
Clean Lube (L)	0	0	5,000
Clean Lube	0	0	8,000
Tel-DD	0	0	600
Lignite NC	0	0	3,600
Telnite GXL	0	0	450
Speeder (P)	0	0	1,700
Treat HS	0	0	2,700
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0	0	0 / 0
Tel Mica C/M/F	0	0	0 / 0 /1000
Tel Plug C/M/F	0	0/0/0	0/0/0
TAN CAL M/F	0	0/0	3390/3360

HELICOPTER INFORMATION (JA9616)

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	9:11	9:20	9	5
2	11:10	11:19	4	5
3				
4				

LEAK OFF TEST DATA

Leak off Test On	
Lopes @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

Max. Allow CSG Pre.	
Kick Tolerance	

KICK TOLERANCE

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

BOP TESTS

Last Test On	22-Jun-05
Annular BOPs To	3000psi (20.6Mpa)
Ram BOPs To	3000psi (20.6Mpa)

PERSONNEL @24:00

CDEX	6
MQJ Crew	89
MQJ(Other)	2
MWJ	14
Scientist	12
Sub Con.	
SLB W/L	0
SLB MWD	2
SLB CMT	1
Mud Logging	0
MI-Swaco	0
ROV	7
Telnite	1
Telnite(waste mud)	5
NOV	1
Vetco Gray	1
Vendors	0
Others	2
Total	143

GEOLOGIC INFORMATION

From	To	Lithology

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	101	98	241
Potable Water m3	0	6	231
Drill Water m3	0	99	874
Fuel m3	0	44.8	4,645.5
Lube, Oil Ltrs	0	0	58,200
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	7.6
Cement "DEEP CRETE" ton	0	0	12.5
Cement "LWC" ton	0	0	50.7

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Shingu		19:50
Heisei Maru	Chikyu		

Heave (m)	-
Pitch (deg)	0.2
Roll (deg)	0.2
Swell (m)	1.1
Vessel Heading (deg)	210.0
Drift (m)	-
Riser Tension (kN)	-
V.D. Load (Moon)	12,795.6
Max Draught (m)	9.2
Thruster (kW)	980
No. of transponders	0
Engine output(kW)	4,900
	P:25%, S:23%

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(kts)	CURRENT Dir. (deg)	VISIBILITY (km)
0:00		24	23.8	1008.2	6.7	92	7.9	1.1	90	706	0.6	86	16

TODAY'S SCHEDULE : **Preparation Work for NT2-01J and seabed survey/deploy transponders**

REPORTED BY : Y.Masumoto / T.Saruhashi

APPROVED BY : T.Abe

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 84

HOLE NAME :	C0010A	**SITE NAME :**	NT2-01J	**Exp. :**	319	**REPORT DATE :**	2/Aug/2009
@24:00	0.0 mBRT	0.0 mbsf	PROGRESS : -	Water Depth : mBRT	RT-MSL : 28.3 m	SINCE MOVE :	82
@06:00	0.0 mBRT	0.0 mbsf	-	DRILLING/CORING Hrs. : 0 hrs	LAST CASING : - x -	mbsf	

SUMMARY OF OPERATION **Transit to NT2-01J / Preparation for NT2-01 / Deploy transponder**

PRESENT OPERATION @06:00 on **2-Aug** : Recover transponder

mBRT: meter below rotary table

mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **1-Aug**)

From	To	Hrs	Code	DETAIL of OPERATION
				Commence NT2-01J operation from 0000hrs on 1 Aug.
0:00	2:00	2:00	Other	Prepare to transit to the next location
2:00	10:00	8:00	Other	Transit from NT2-11B to NT2-01J. Meanwhile service drilling equipment.
10:00	11:30	1:30	Other	Lower Co-Flex hoses into parking slots.
11:30	12:00	0:30	Other	Complete parking of Co-Flex hoses.
12:00	15:00	3:00	Other	Re-install master bushings . Re-position 20" casing equipment on drill floor, Elec complete PM on HPS.
15:00	21:00	6:00	Other	Install pipe handler and function test same, Adjust settings on same for correct operation, Change out hose quick connections.
			Other	Install elevators function test and adjust opening sequence, Adjust pipe handler alignment.
21:00	23:00	2:00	Other	Pick up 17" BHA MWD assy and B/O and Lay out same. Found oil leak on RTS tipper system.
23:00	0:00	1:00	Other	Repair oil leak from RTS and prepare for make up CART tools.
				Meanwhile
				10:54 ROV in water @1054Hrs to deploy transponders
				11:30 Observe bird's nest on ROV umbilical
				23:15 Remove birds nest and retrieve ROV to surface, Continue sorting ROV cable problem,
				Transit back to 2.5miles upstream from 9600m downstream of site, from 16:00 to 23:15 due to repair of umbilical strand.

TIME BREAKDOWN (00:00 - 06:00 on 2-Aug) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	1:00	1:00	Other	Make up and rack back CART tool on S-150 DP stand.
1:00	3:00	2:00	Other	Make up CART tool on S-140 6 m pup joint and engage same on wellhead.
3:00	3:45	0:45	Other	Make up padeye sub on DP stand to pick up mud mat.
3:45	4:00	0:15	Other	Hold TBRA meeting for move mud mat from BOP cart to working cart.
4:00	6:00	2:00	Other	Remove C-plate and move mud mat from BOP cart to working cart. Secure same on working cart.
				Meanwhile
				1:30 5 transponders are carried by ROV in 1 dive reduce number of dive.
				2:40 ROV touch the seabed @2.300m on the way to Loc. 3transponders left on the seabed.
				3:36 Find 3transponders on the seabed.
				5:15 Hang 1transponder on the ROV cage.

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	TFA (in^2)	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Bit Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP

BHA RECORD / CORE BARREL TYPE

String Wt.(kN)	mBRT
String total w/ HPS&TB	
Pick up Weight w/ HPS&TB	
Slack off weight w/ HPS&TB	
HPS & Traveling Block	
BHA below Jar	

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.	WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	Content(%) W	Content(%) S	Sand %	PPG	MBC	n	K	Temp In	Temp Out	Dilution rate

CUTTING SKIP	
Empty	2
Full	0
Back up	0
S.Boat	0
Shingu	48
Total	50

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/145	#5	10	165/145
#3	10	165/145	#6	10	165/145

	Desander	Mudcleaner	Centrifuge
#1	off	off	off
#2	off	off	off
#3			off

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.	Generated Vol.	Daily	Total
Concentrated				Distilled Water		
Solidification				Sludge		

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP	ECD @ shoe
1	6						
2	6						
3	6						

Mud Gas

	Base (%)	Max. (%)	Depth (m)
Trip Gas			–
Conn. Gas			–

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	176,500
Kingie-VO (Bulk)	10,140	22,840	7,700
NaOH	0	525	3,225
KOH	0	0	150
Lime	0	800	2,200
Soda Ash	0	0	1,600
Tel-Polymer(H)	0	0	660
Tel-Polymer(L)	0	0	1,160
Tel-Polymer DX	0	0	240
XCD-Polymer	0	0	1,000
Xian-Vis	0	0	575
NaCl (Bag)	0	0	20,000
KCL (Bag)	0	0	4,000
Clean Lube (L)	0	0	5,000
Clean Lube	0	0	8,000
Tel-DD	0	0	600
Lignite NC	0	0	3,600
Telnite GXL	0	0	450
Speeder (P)	0	0	1,700
Treat HS	0	1,360	1,340
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0 / 0	0 / 0	0 / 0
Tel Mica C/M/F	0/0/0	0/0/0	0 / 0 /1000
Tel Plug C/M/F	0/0/0	0/0/0	0/0/0
TAN CAL M/F	0/0	0/0	3390/3360

HELICOPTER INFORMATION (JA9616)

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	10:05	10:08	1	0
2				
3				
4				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Pre.	
Kick Tolerance	

BOP TESTS

Last Test On	22-Jun-05
Annular BOPs To	3000psi (20.6Mpa)
Ram BOPs To	3000psi (20.6Mpa)

PERSONNEL @24:00

CDEX	6
MQJ Crew	89
MQJ(Other)	2
MWJ	14
Scientist	12
Sub Con.	
SLB W/L	0
SLB MWD	3
SLB CMT	1
Mud Logging	0
MI-Swaco	0
ROV	7
Telnite	1
Telnite(waste mud)	5
NOV	1
Vetco Gray	1
Vendors	0
Others	2
Total	144

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

GEOLOGIC INFORMATION

From	To	Lithology

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	94	62	273
Potable Water m3	0	2	229
Drill Water m3	0	131	743
Fuel m3	0	51.3	4,595.2
Lube, Oil Ltrs	0	500	57,700
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	7.6
Cement "DEEP CRETE" ton	0	0	12.5
Cement "LWC" ton	0	0	50.7

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Chikyu	22:00	
Heisei Maru	Shingu		15:50

Heave (m)	-
Pitch (deg)	0.3
Roll (deg)	0.2
Swell (m)	1.3
Vessel Heading (deg)	273.0
Drift (m)	0.1
Riser Tension (kN)	-
V.D. Load (Moon)	12,662.4
Max Draught (m)	9.2
Thruster (kW)	1,100
No. of transponders	0
Engine output(kW)	5,380
	P:29%, S:28%

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(kts)	CURRENT Dir. (deg)	VISIBILITY (km)
0:00	r	26	27.6	1007	1.7	112	2.7	1.3	110	7.5	3.0	99	16

TODAY'S SCHEDULE : **Seabed survey/deploy transponders and Preparation Work for NT2-01J**

REPORTED BY : Y.Masumoto / T.Saruhashi

APPROVED BY : T.Abe

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02 | **REPORT No. : 85**

HOLE NAME :	C0010A	SITE NAME :	NT2-01J	Exp. :	319	REPORT DATE :	3/Aug/2009
@24:00	0.0 mBRT	0.0 mbsf	PROGRESS : -	Water Depth : mBRT	RT-MSL : 28.3 m	SINCE MOVE :	83
@06:00	0.0 mBRT	0.0 mbsf	-	DRILLING/CORING Hrs. : 0 hrs	LAST CASING : - x - mbsf		

SUMMARY OF OPERATION: **Deploy Transponders & Calibration / Prepare Mudmat / MU Jetting BHA / Prepare BOP Cart**

PRESENT OPERATION @06:00 on 3-Aug : Transit to low current area for runnung jetting BHA

mBRT: meter below rotary table
mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on 2-Aug)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	1:00	1:00	Other	Make up and rack back CART tool on S-150 DP stand.
1:00	3:00	2:00	Other	Make up CART tool on S-140 6 m pup joint and engage same on wellhead.
3:00	3:45	0:45	Other	Make up padeye sub on DP stand to pick up mud mat.
3:45	4:00	0:15	Other	Hold TBRA meeting for move mud mat from BOP cart to working cart.
4:00	7:30	3:30	Other	Remove slot cover and move mud mat from BOP cart to working cart. Secure same on working cart.
7:30	11:00	3:30	Other	Hold TBRA and prepared BHA and schlumberger loaded MWD.
11:00	12:00	1:00	Other	MU Jetting BHA.
12:00	15:30	3:30	Other	Layout jetting ass'y. PU again to break jet sub.
15:30	16:00	0:30	Other	Install 20" hydraulic elevator.
16:00	0:00	8:00	Other	Remove rotary cover for inspection. Commence PM on HPS. Meanwhile remove BOP Guide and install fenders on BOP Cart
				Meanwhile
				1:30 5 transponders are carried by ROV in 1 dive reduce number of dive.
				2:40 ROV touch the seabed @2,300m on the way to Loc. 3transponders left on the seabed.
				3:36 Find 3transponders on the seabed.
				5:15 Hang 1st transponder on the ROV cage.
				5:59 Hang 2nd transponder on the ROV cage.
				6:50 Grip 3rd transponder by ROV arm
				7:15 Transit to 1st transponder position
				16:24 Complete deployment transponders #1:10:55, #2/14:04, #3/15:21, #4/15:21, #5/16:24
				17:55 Arrived at well center
				18:30 Seabed survey. 100 x 100m . Seabed Angle 3-4deg. No obstruction
				23:50 Complete calibration
				Start drill drain thickner from 2200hrs

TIME BREAKDOWN (00:00 - 06:00 on 3-Aug) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	1:00	1:00	Other	Prepare for run 20"@ csg.
1:00	1:15	0:15	Other	Held TBRA meeting for run 20" csg.
1:15	3:00	1:45	Other	Run 20" csg to 24 m. Move wellhead from pipe rack to RTS.
3:00	6:00	3:00	Other	Prepare for rig up Guide Horn. Perform PM's on drilling equipment.
				Meanwhile
				1:40 ROV on deck
				2:00 * Transit to low current area. (20n mile off location) E1A 11:00-12:00

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	TFA (in^2)	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Bit Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP

BHA RECORD / CORE BARREL TYPE

String Wt.(kN)	mBRT
String total w/ HPS&TB	
Pick up Weight w/ HPS&TB	
Slack off weight w/ HPS&TB	
HPS & Traveling Block	
BHA below Jar	

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.	WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	Content(%) W	Content(%) S	Sand %	PPG	MBC	n	K	Temp In	Temp Out	Dilution rate

CUTTING SKIP	
Empty	2
Full	0
Back up	0
S.Boat	0
Shingu	48
Total	50

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/145	#5	10	165/145
#3	10	165/145	#6	10	165/145

	Desander	Mudcleaner	Centrifuge
#1	off	off	off
#2	off	off	off
#3			off

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.	Generated Vol.	Daily	Total
Treatment Vol.	20	20	0	Distilled Water	0	0
Evaporated Wtr Vol.	31	31	0	Sludge	0	0

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP	ECD @ shoe
1	6						
2	6						
3	6						

Mud Gas

Base (%)	Max. (%)	Depth (m)
Trip Gas		--
Conn. Gas		--

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	176,500
Kingie-VO (Bulk)	0	0	7,700
NaOH	0	0	3,225
KOH	0	0	150
Lime	0	0	2,200
Soda Ash	0	0	1,600
Tel-Polymer(H)	0	0	680
Tel-Polymer(L)	0	0	1,160
Tel-Polymer DX	0	0	240
XCD-Polymer	0	0	1,000
Xian-Vis	0	0	575
NaCl (Bag)	0	0	20,000
KCL (Bag)	0	0	4,000
Clean Lube (L)	0	0	5,000
Clean Lube	0	0	8,000
Tel-DD	0	0	600
Lignite NC	0	0	3,600
Telnite GXL	0	0	450
Speeder (P)	0	0	1,700
Treat HS	0	0	1,340
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0 / 0	0 / 0	0 / 0
Tel Mica C/M/F	0/0/0	0/0/0	0 / 0 /1000
Tel Plug C/M/F	0/0/0	0/0/0	0/0/0
TAN CAL M/F	0/0	0/0	3390/3360

HELICOPTER INFORMATION (JA9616)

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1				
2				
3				
4				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Pre.	
Kick Tolerance	

BOP TESTS

Last Test On	22-Jun-05
Annular BOPs To	3000psi (20.6Mpa)
Ram BOPs To	3000psi (20.6Mpa)

PERSONNEL @24:00

CDEX	6
MQJ Crew	89
MQJ(Other)	2
MWJ	14
Scientist	12
Sub Con.	
SLB W/L	0
SLB MWD	3
SLB CMT	1
Mud Logging	0
MI-Swaco	0
ROV	7
Telnite	1
Telnite(waste mud)	5
NOV	1
Vetco-Grav	1
Vendors	0
Others	2
Total	144

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

GEOLOGIC INFORMATION

From	To	Lithology

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	83	72	284
Potable Water m3	0	3	226
Drill Water m3	0	0	743
Fuel m3	0	51.3	4,543.9
Lube, Oil Ltrs	0	0	57,700
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	7.6
Cement "DEEP CRETE" ton	0	0	12.5
Cement "LWC" ton	0	0	50.7

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Chikyu	20:30	11:48
Heisei Maru	Chikyu	20:20	

Heave (m)	-
Pitch (deg)	0.2
Roll (deg)	0.1
Swell (m)	1.1
Vessel Heading (deg)	276.0
Drift (m)	0.1
Riser Tension (kN)	-
V.D. Load (Moon)	12,610.1
Max Draught (m)	9.2
Thruster (kW)	1,400
No. of transponders	5
Engine output(kW)	5,750
	P:29%, S:28%

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(kts)	CURRENT Dir. (deg)	VISIBILITY (km)
0:00	hc	25.5	28.9	1008	5.0	14	5.8	1.1	10	8.3	3.7	95	24

TODAY'S SCHEDULE : **Locate ship to up current / Deploy 20"CSG with Jetting Assembly / RIH with Jetting Assy under drifting**

REPORTED BY : Y.Masumoto / T.Saruhashi
APPROVED BY : T.Abe

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 86

HOLE NAME :	C0010A	**SITE NAME :**	NT2-01J	**Exp. :**	319	**REPORT DATE :**	4/Aug/2009
@24:00	0.0 mBRT	0.0 mbsf	PROGRESS : -	Water Depth : mBRT	RT-MSL : 28.3 m	SINCE MOVE :	84
@06:00	0.0 mBRT	0.0 mbsf	-	DRILLING/CORING Hrs. : 0 hrs	LAST CASING : - x -	mbsf	

SUMMARY OF OPERATION **Move vessel to low current area / Run 20" casing / Load 9-5/8" casing**

PRESENT OPERATION @06:00 on **4-Aug** : Drifting with 20"CSG to site

mBRT: meter below rotary table
mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **3-Aug**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	1:00	1:00	CSG	Prepare for run 20"Casing.
1:00	1:15	0:15	CSG	Held TBRA meeting for run 20" Casing.
1:15	2:00	0:45	CSG	Run 20" Casing. Meanwhile Recover ROV.
2:00	9:30	7:30	CSG	Move vessel to low current area.(19.2mile North West from location)
				Meanwhile Run 20"Casing to 24 m. Move wellhead from pipe rack to RTS. Perform PM's on drilling equipment.
9:30	12:00	2:30	CSG	Continue to run 20" Casing. Change out casing elevator to drill pipe elevator.
				Pick up and make up 18-3/4"well head + CART + pup joint. Lower and latch Well head on Mudmat. Release CART w/string 5right turns.
				Install 4ea of reflector glass buoies with mudmat.
				Remove 8ea of shipping bolts between gimbal and mudmat.
				Install 4ea of chains between mudmat and wellhead joint hook.
				Install and tag weld stopper to prevent unlatch latch ring. Install 20m nylon rope on aft side eye of mudmat for ROV pulling.
				Install guide funnel and slope indicator on top of wellhead.
12:00	15:30	3:30	CSG	Change out master bushing. Make up and run jetting BHA into well head.
15:30	16:15	0:45	CSG	Connect HPS and MWD function test.
16:15	17:30	1:15	CSG	Pick up CART + 5-1/2"DP 3joints. Make up with Jetting BHA. Lower and engage on Well head w/string left turns.
17:30	19:00	1:30	CSG	Change vessel heading. Dive ROV to confirm space out between casing shoe and jetting nozzle. Jetting nozzle position is ±6" inside shoe.OK.
				Check slope indicator and reflector glass buoy. Observe one buoy broken. Recover ROV.
19:00	21:30	2:30	CSG	Run 20" Casing w/jetting Assembly to 1500mBRT.
21:30	0:00	2:30	CSG	Load 9-5/8" Casing and other material prior to start drifting from supply boat.
				Meanwhile: Service drilling equipment / PM's house keeping. Hook load: BHA + Casing + mudmat + DP(3jts) + HPS/TB: 985kN
				BHA + DP(3jts) + HPS/TB: 820kN
				CSG+Mudmat Weight: 165kN

TIME BREAKDOWN (00:00 - 06:00 on 4-Aug) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	2:15	2:15	Other	Continue to load 9-5/8"Casing. Skid out BOP CART to 1m offset of well center.
				Meanwhile: Dive ROV to 1500mBRT.
2:15	3:00	0:45	Other	ROV grip nylon rope and Vessel pull ROV. Prepare for drifting.
3:00	4:30	1:30	CSG	Start drifting to NT2-01. PU and MU 1std of Drill Pipe and adjust height of drill pipe.
4:30	5:30	1:00	Other (N)	Find hydraulic oil level low alarm on ROV. Stop vessel and recover ROV on deck.
5:30	6:00	0:30	CSG	Continue to drift vessel with jetting assembly at 1500mBRT.

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	TFA (in^2)	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Bit Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP
1	8	vetco	Jetting sub	-	-	14 x 7	1.05																	

BHA RECORD / CORE BARREL TYPE

No.1 Jetting sub (Nozzle 14/32" x 7) x XO x XO x Float sub x Telescope x 17-1/4"Stab x 8-1/2"DC(3) x XO x CART x XO x 5-1/2"DP(S-150)

String Wt.(kN)	mBRT
String total w/ HPS&TB	
Pick up Weight w/ HPS&TB	
Slack off weight w/ HPS&TB	
HPS & Traveling Block	
BHA below Jar	

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	W	S	Sand %	PPG	MBC	n	K	Temp In	Out	Dilution rate
	15:00	PIT	1.04	193	10	87	38	38			11.5										0.14	40.13	27		

Pre-hy / SW gel (m3)	
SW gel	128
USED Swgel	0
Prehygel	241

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/146	#5	10	165/145
#3	10	165/145	#6	10	165/145

	Desander	Mud cleaner	Centrifuge
#1	off	off	off
#2	off	off	off
#3			off

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.	Generated Vol.	Daily	Total
Treatment Vol.	21	41	0	Distilled Water	34	65
Evaporated Wtr Vol.	34	65	0	Sludge	0	0

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	DP	ECD @ shoe
1	6						
2	6						
3	6						

Mud Gas

Base (%)	Max. (%)	Depth (m)
Trip Gas		–
Conn. Gas		–

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	3,000	173,500
Kingie-VO (Bulk)	0	1,300	6,400
NaOH	0	325	2,900
KOH	0	0	150
Lime	0	250	1,950
Soda Ash	0	0	1,600
Tel-Polymer(H)	0	0	660
Tel-Polymer(L)	0	0	1,160
Tel-Polymer DX	0	0	240
XCD-Polymer	0	0	1,000
Xian-Vis	0	0	575
NaCl (Bag)	0	0	20,000
KCL (Bag)	0	0	4,000
Clean Lube (L)	0	0	5,000
Clean Lube	0	0	8,000
Tel-DD	0	0	600
Lignite NC	0	0	3,600
Telnite GXL	0	0	450
Speeder (P)	0	0	1,700
Treat HS	0	0	1,340
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0 / 0	0 / 0	0 / 0
Tel Mica C/M/F	0/0/0	0/0/0	0 / 0 /1000
Tel Plug C/M/F	0/0/0	0/0/0	0/0/0
TAN CAL M/F	0/0	0/0	3390/3360

HELICOPTER INFORMATION (JA9616)

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1				
2				
3				
4				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

BOP TESTS

Last Test On	22-Jun-05
Annular BOPs To	3000psi (20.6Mpa)
Ram BOPs To	3000psi (20.6Mpa)

KICK TOLERANCE

Max. Allow CSG Pre.	
Kick Tolerance	

PERSONNEL @24:00

CDEX	6
MQJ Crew	90
MQJ(Other)	1
MWJ	14
Scientist	12
Sub Con.	
SLB W/L	0
SLB MWD	4
SLB CMT	1
Mud Logging	0
MI-Swaco	0
ROV	6
Telnite	1
Telnite(waste mud)	5
NOV	1
Vetco Grav	1
Vendors	0
Others	1
Total	143

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Chikyu	20:40	
Heisei Maru	Chikyu	20:20	

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

Heave (m)	0.5
Pitch (deg)	0.5
Roll (deg)	0.2
Swell (m)	1.6
Vessel Heading (deg)	307.0
Drift (m)	0.4
Riser Tension (kN)	-
V.D. Load (Moon)	12,639.7
Max Draught (m)	9.2
Thruster (kW)	684
No. of transponders	5
Engine output(kW)	4,990
	P:30%, S:29%

GEOLOGIC INFORMATION

From	To	Lithology

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	75	86	273
Potable Water m3	0	3	223
Drill Water m3	0	45	698
Fuel m3	0	50.1	4,493.8
Lube, Oil Ltrs	0	900	56,800
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	7.6
Cement "DEEP CRETE" ton	0	0	12.5
Cement "LWC" ton	0	0	50.7

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(kts)	CURRENT Dir. (deg)	VISIBILITY (km)
0:00	hc	24.5	26.2	1007.6	7.4	24	8.9	1.6	20	10.5	0.6	108	24

TODAY'S SCHEDULE : **Drift to location / Run 20"casing / Jetting 20" casing**

REPORTED BY : D.Ikenomoto / T.Saruhashi
APPROVED BY : T.Abe

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02 | **REPORT No. : 87**

HOLE NAME :	C0010A	SITE NAME :	NT2-01J	Exp. :	319	REPORT DATE :	5/Aug/2009
@24:00	0.0 mBRT	0.0 mbsf	PROGRESS : -	Water Depth : mBRT	RT-MSL : 28.3 m	SINCE MOVE :	85
@06:00	0.0 mBRT	0.0 mbsf	-	DRILLING/CORING Hrs. : 0 hrs	LAST CASING : - x - mbsf		

SUMMARY OF OPERATION: **Drifting with 20"CSG to site**

PRESENT OPERATION @06:00 on **5-Aug** : **RIH w/20" CSG Jetting BHA**

mBRT: meter below rotary table
mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **4-Aug**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	2:15	2:15	Other	Continue to load 9-5/8"Casing. Skid out BOP CART to 1m offset of well center. Meanwhile: Dive ROV to 1500mBRT.
2:15	3:00	0:45	Other	ROV grip nylon rope and Vessel pull ROV. Prepare for drifting.
3:00	4:30	1:30	CSG	Start drifting to NT2-01. PU and MU 1std of Drill Pipe and adjust height of drill pipe.
4:30	5:30	1:00	Other (N)	Find hydraulic oil level low alarm on ROV. Slow down vessel to 0.5konts and recover ROV on deck.
5:30	19:45	14:15	CSG	Continue to drift vessel with jetting assembly at 1500mBRT to locaton. Drifting speed is 1knt.
19:45	22:45	3:00	CSG	Dive ROV. ROV positioned at mudmat at 20:30. ROV grip nylon rope and Vessel pul ROV @0.7-0.8knt.
22:45	0:00	1:15	Other (N)	Find hydraulic oil level low alarm on ROV. Slow down vessel to 0.5knots and recover ROV on deck. Continue to run 20" Casing from 1500mBRT to 1700mBRT with drifting. Found Oil leak on right hand arm of ROV. Repair same.

TIME BREAKDOWN (00:00 - 06:00 on 5-Aug) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	1:00	1:00	CSG	Continue to drift vessel to site.
1:00	1:30	0:30	Other(N)	Dive ROV into water at 1000mWD. Found oil leak again
1:30	3:00	1:30	CSG	Recover ROV to surface at 1600m from site. Move ship back to 1miles away from site. Find ROV leak on pump.
3:00	4:30	1:30	CSG	Dive ROV into water at 1000mWD with 0.4knots at 1500m from site. Gradually increase ship speed from 0.4knots to 0.8knots.
4:30	6:00	1:30	Trip	Arrvied at site. Commence RIH from 1700mBRT1to 2500mBRT

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	TFA (in^2)	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Bit Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP
1	8	vetco	Jetting sub	-	-	14 x 7	1.05																	

BHA RECORD / CORE BARREL TYPE

No.1 Jetting sub (Nozzle 14/32" x 7) x XO x XO x Float sub x Telescope x 17-1/4"Stab x 8-1/2"DC(3) x XO x CART x XO x 5-1/2"DP(S-150)

String Wt.(kN)	mBRT
String total w/ HPS&TB	
Pick up Weight w/ HPS&TB	
Slack off weight w/ HPS&TB	
HPS & Traveling Block	
BHA below Jar	

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	W	S	Sand %	PPG	MBC	n	K	Temp In	Out	Dilution rate
	15:00	PIT	1.04	193	9	82	32	32			11.5										0.14	38.96			

Pre-hy / SW gel (m3)	
SW gel	128
USED Swgel	0
Prehygel	241

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/146	#5	10	165/145
#3	10	165/145	#6	10	165/145

	Desander	Mud cleaner	Centrifuge
#1	off	off	off
#2	off	off	off
#3			off

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.	Generated Vol.	Daily	Total
Treatment Vol.	21	41	0	Distilled Water	34	65
Evaporated Wtr Vol.	34	65	0	Sludge	0	0

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	DP	ECD @ shoe
1	6						
2	6						
3	6						

Mud Gas

Base (%)	Max. (%)	Depth (m)
Trip Gas		–
Conn. Gas		–

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	24,600	148,900
Kingie-VO (Bulk)	0	0	6,400
NaOH	0	0	2,900
KOH	0	0	150
Lime	0	0	1,950
Soda Ash	0	0	1,600
Tel-Polymer(H)	0	0	660
Tel-Polymer(L)	0	0	1,160
Tel-Polymer DX	0	0	240
XCD-Polymer	0	0	1,000
Xian-Vis	0	0	575
NaCl (Bag)	0	0	20,000
KCL (Bag)	0	0	4,000
Clean Lube (L)	0	0	5,000
Clean Lube	-3,200	0	4,800
Tel-DD	0	0	600
Lignite NC	0	0	3,600
Telnite GXL	0	0	450
Speeder (P)	0	0	1,700
Treat HS	0	0	1,340
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0 / 0	0 / 0	0 / 0
Tel Mica C/M/F	0/0/0	0/0/0	0 / 0 /1000
Tel Plug C/M/F	0/0/0	0/0/0	0/0/0
TAN CAL M/F	0/0	0/0	3390/3360

HELICOPTER INFORMATION (JA9616)

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1				
2				
3				
4				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Pre.	
Kick Tolerance	

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

BOP TESTS

Last Test On	22-Jun-05
Annular BOPs To	3000psi (20.6Mpa)
Ram BOPs To	3000psi (20.6Mpa)

PERSONNEL @24:00

CDEX	6
MQJ Crew	90
MQJ(Other)	1
MWJ	14
Scientist	12
Sub Con.	
SLB W/L	0
SLB MWD	4
SLB CMT	1
Mud Logging	0
MI-Swaco	0
ROV	6
Telnite	1
Telnite(waste mud)	5
NOV	1
Vetco Gray	1
Vendors	0
Others	1
Total	143

GEOLOGIC INFORMATION

From	To	Lithology

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	69	97	245
Potable Water m3	0	1	222
Drill Water m3	0	19	679
Fuel m3	0	47.5	4,446.3
Lube, Oil Ltrs	0	1400	55,400
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	7.6
Cement "DEEP CRETE" ton	0	0	12.5
Cement "LWC" ton	0	0	50.7

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Chikyu		19:40
Heisei Maru	Chikyu		

Heave (m)	1.5
Pitch (deg)	0.5
Roll (deg)	0.2
Swell (m)	2.2
Vessel Heading (deg)	247.0
Drift (m)	Moving
Riser Tension (kN)	-
V.D. Load (Moon)	12,611.8
Max Draught (m)	9.2
Thruster (kW)	1,097
No. of transponders	5
Engine output(kW)	4,990
	P:29%, S:18%

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(kts)	CURRENT Dir. (deg)	VISIBILITY (km)
0:00	hc	25	27.7	1007	6.5	100	7.3	2.2	100	9.7	2.2	91	24

TODAY'S SCHEDULE : **Jetting 20" CSG**

REPORTED BY : D.Ikenomoto / T.Saruhashi
APPROVED BY : T.Abe

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 88

HOLE NAME :	C0010A	**SITE NAME :**	NT2-01J	**Exp. :**	319	**REPORT DATE :**	6/Aug/2009
@24:00	2,593.0 mBRT	41.0 mbsf	PROGRESS : 41.0m	Water Depth : 2,552.0 mBRT(2523.7mMSL)	RT-MSL : 28.3 m	SINCE MOVE :	86
@06:00	2,593.0 mBRT	41.0 mbsf	-	DRILLING/CORING Hrs. : 1.25 hrs	LAST CASING : 20" x	41.0 mbsf	

SUMMARY OF OPERATION

PRESENT OPERATION @06:00 on 6-Aug : **20" Jetting Operation / Release tool and POOH string / Install Guide horn**

TIME BREAKDOWN (00:00 - 24:00) on 5-Aug : **Install Guide Horn**

mBRT: meter below rotary table
mbsf: : meter below sea floor

From	To	Hrs	Code	DETAIL of OPERATION
0:00	1:00	1:00	CSG	Continue to drift vessel to site.
1:00	1:30	0:30	Other(N)	Dive F. Meanwhile: Dive ROV to 1500mBRT.
1:30	3:00	1:30	CSG	Recover ROV to surface at 1600m from site. Move ship back to 1miles away from site. Find ROV leak on pump.
3:00	4:30	1:30	CSG	Dive ROV into water at 1000mWD with 0.4knots at 1500m from site. Gradually increase ship speed from 0.4knots to 0.8knots.
4:30	7:00	2:30	Trip	Arrvied at site. Commence RIH from 1700mBRTto 2552mBRT. Tag Seabed at 2552mBRT. Confirm location with scientist.
7:00	7:45	0:45	Other(N)	DW encorder mis match alarm. Rack back one stand and calibrate encorders. Installed geolograph. Fillup and confirm hookload (1970kN)
7:45	9:00	1:15	CSG	RIH to Seabed with CMC on due to high heave 2-3m and 18spm. Confirmed bull's eye 3deg to port.
				Conduct jetting apply in CMC on due to high Heave 3m. During the jetting one chain for mudmat is stack and mud mat lean on one side due to heave.
				Mudmat 3-5deg leaned to stbd when gimbal lands out. Confirmed inclination with MWD after connection at 5m penetration/ 0.85deg.

Penetration	spm		Mpa	WOB	
2	5	18	0.3	-60	20
5	11	37	0.4	-100	50
11	12	58	0.6	-40	40
12	15	81	2	-30	25
15	16	100	8.2	0	50
16	23	140	11.4	-50	50
23	26	180	14.5	-65	50
26	38	200	16.6	-50	50
38	39	100	4.6	-40	100
39	40	150	10.2	-10	60
40	41	96	3.9	10	70

Spud Location Confirmed with Scientist
33deg. 12.5981'N
136deg. 41.1924'E

From	To	Hrs	Code	DETAIL of OPERATION
9:00	9:15	0:15	CSG	Slack off casing weight (165kN with mudmat) and no movement on mudmat. Release tool with 5turns.
				Confirmed bull' eye 2.5deg to port-fore
9:15	13:45	4:30	Trip	POOH to surface. Move ship to 50m and recover ROV on deck. Meanwhile: Locate middle and lower guide horn on BOP Cart.
13:45	15:45	2:00	Other(N)	Trouble shoot hardware fault with HR "No.1". use emergency mode to move HR "No.1" to reset position. Trouble shoot encoder.
				Meanwhile check torque setting on HPS motor, increase motor torque setting to correct value.
15:45	20:00	4:15	Trip	Continue to POOH to CART tool.
20:00	22:00	2:00	Other	Lay out CART, Lay out 8-1/2" DC x 3jts unable to rack them due to HR " position. Lay out jetting BHA.
				No drifting during POOH due to moderate current around 2.5-3knots.
22:00	22:45	0:45	Other	Lay drill floor. Hold TBRA for install guide horn
22:45	0:00	1:15	Other	Install guide horn.

TIME BREAKDOWN (00:00 - 06:00) on 6-Aug) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	6:00	6:00	Other	Conducted TBRA and continue to install GH.
				Meanwhile loading. Offload long basket for strain gauge.

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	TFA (in^2)	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Bit Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP
1	8	vetco	Jetting sub	-	-	14 x 7	1.05	2,552.0	2,593.0	41.0	1.25													

BHA RECORD / CORE BARREL TYPE

No.1 Jetting sub (Nozzle 14/32" x 7) x XO x XO x Float sub x Telescope x 17-1/4"Stab x 8-1/2"DC(3) x XO x CART x XO x 5-1/2"DP(S-150)

String Wt.(kN) @2563 mBRT

String total w/ HPS&TB	1970
Pick up Weight w/ HPS&TB	1990
Slack off weight w/ HPS&TB	1950
HPS & Traveling Block	700
BHA below Jar	

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	W	S	Sand %	PPG	MBC	n	K	Temp In	Out	Dilution rate
	15:00	PIT	1.04	185	11	80	32	32			11.5										0.16	32.61	28		

Pre-hy / SW gel (m3)	
SW gel	128
USED Swgel	0
Prehygel	241

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/146	#5	10	165/145
#3	10	165/145	#6	10	165/145

	Desander	Mud cleaner	Centrifuge
#1	off	off	off
#2	off	off	off
#3			off

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.	Generated Vol.	Daily	Total
Treatment Vol.	79	127	0	Distilled Water	90	197
Evaporated Wtr Vol.	90	197	0	Sludge	0	0

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	DP	ECD @ shoe
1	6						
2	6						
3	6						

Mud Gas

Base (%)	Max. (%)	Depth (m)
Trip Gas		--
Conn. Gas		--

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	148,900
Kingie-VO (Bulk)	0	0	6,400
NaOH	0	25	2,875
KOH	0	0	150
Lime	0	0	1,950
Soda Ash	0	0	1,600
Tel-Polymer(H)	0	0	680
Tel-Polymer(L)	0	0	1,160
Tel-Polymer DX	0	0	240
XCD-Polymer	0	25	975
Xian-Vis	0	0	575
NaCl (Bag)	0	0	20,000
KCL (Bag)	0	0	4,000
Clean Lube (L)	0	0	5,000
Clean Lube	0	0	4,800
Tel-DD	0	0	600
Lignite NC	0	0	3,600
Telnite GXL	0	0	450
Speeder (P)	0	0	1,700
Treat HS	0	0	1,340
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0 / 0	0 / 0	0 / 0
Tel Mica C/M/F	0/0/0	0/0/0	0 / 0 /1000
Tel Plug C/M/F	0/0/0	0/0/0	0/0/0
TAN CAL M/F	0/0	0/0	3390/3360

HELICOPTER INFORMATION (JA9616)

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	9:21	9:28	8	8
2	11:39	11:45	7	5
3	13:57	14:04	5	2
4				

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

BOP TESTS

Last Test On	22-Jun-05
Annular BOPs To	3000psi (20.6Mpa)
Ram BOPs To	3000psi (20.6Mpa)

KICK TOLERANCE

Max. Allow CSG Pre.	
Kick Tolerance	

PERSONNEL @24:00

CDEX	6
MQJ Crew	90
MQJ(Other)	2
MWJ	14
Scientist	12
Sub Con.	
SLB W/L	0
SLB MWD	4
SLB CMT	1
Mud Logging	0
MI-Swaco	0
ROV	6
Telnite	1
Telnite(waste mud)	5
NOV	1
Vetco-Grav	1
Vendors	0
Others	5
Total	148

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Chikyu	19:15	
Heisei Maru	Chikyu		

Heave (m)	0.5
Pitch (deg)	0.9
Roll (deg)	0.2
Swell (m)	2.7
Vessel Heading (deg)	310.0
Drift (m)	Moving
Riser Tension (kN)	-
V.D. Load (Moon)	11,979.7
Max Draught (m)	9.2
Thruster (kW)	2,748
No. of transponders	5
Engine output(kW)	8,500
	P:48%, S:40%

GEOLOGIC INFORMATION

From	To	Lithology

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	81	118	208
Potable Water m3	0	2	220
Drill Water m3	0	0	679
Fuel m3	0	53.4	4,392.9
Lube, Oil Ltrs	0	1200	54,200
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	7.6
Cement "DEEP CRETE" ton	0	0	12.5
Cement "LWC" ton	0	0	50.7

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	SW	Barometer (hPa)	WIND Speed(m/s)	Dir. (deg)	Gust (m/s)	WAVE Height(m)	Dir. (deg)	Period (s)	CURRENT Speed(kts)	Dir. (deg)	VISIBILITY (km)
0:00	hc	26	26	1010	6.6	69	7.5	2.7	70	10.6	2.0	115	20

TODAY'S SCHEDULE : **Install Guide Horn / MU and RIH with 12-1/4" LWD Drilling Assembly**

REPORTED BY : D.Ikenomoto / T.Saruhashi
APPROVED BY : T.Abe

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02 | **REPORT No. : 89**

HOLE NAME :	C0010A	SITE NAME :	NT2-01J	Exp. :	319	REPORT DATE :	7/Aug/2009
@24:00	2,593.0 mBRT	41.0 mbsf	PROGRESS :	Water Depth :	2,552.0 mBRT (2,523.7mMSL)	RT-MSL : 28.3 m	SINCE MOVE : 87
@06:00	2,593.0 mBRT	41.0 mbsf	-	DRILLING/CORING Hrs. :	0 hrs	LAST CASING : 20" x 41.0 mbsf	

SUMMARY OF OPERATION

Install Guide horn / Make up and Run 12-1/4" LWD Assembly

PRESENT OPERATION @06:00 on 7-Aug : **Drift vessel toward site with 12-1/4" LWD assy**

mBRT: meter below rotary table

mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on 6-Aug)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	7:00	6:00	Other	Conducted TBRA and continue to install GH.
				Meanwhile loading at 6mile upstream. Offload long basket for strain gauge.
7:00	8:30	1:30	Other(N)	Attempt to install Guide Horn Wear bushing. Centralizing fins too large for Guide Horn. Lay down same for modification at welders shop.
8:30	9:30	1:00	Other	Install master bushings and Drill pipe elevator.
9:30	12:30	3:00	Trip	Make up 12-1/4"Hole drilling Assembly. Mean while continued to trouble shooting resetting HR No.1.
12:30	13:45	1:15	Other(N)	Attempt to install Guide horn Wear bushing again. Unable to pass bottom hinge. Lay out same for modification again.
13:45	15:00	1:15	Trip	Pick up 1std of 5-1/2" Drill pipe, make up and connect HPS. LWD shallow hole test. 700GPM-3.7Mpa,OK.
				meanwhile: Continued to troubleshoot for HR No.1
15:00	16:45	1:45	Other(N)	Continue to troubleshoot for HR No.1. Move HR No.1 to aft end.
16:45	20:30	3:45	Trip	Continue to make up 12-1/4" hole drilling Assembly. Pick up 3jts of DC from deck. (HR No.2)
20:30	0:00	3:30	Trip	RIH 12-1/4"Hole drilling Assembly from 146m to 980mBRT.
				meanwhile: modify overside wear bushing.

TIME BREAKDOWN (00:00 - 06:00 on 7-Aug) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	2:30	6:00	Other	RIH with 12-1/4"DRLG Assy to 1700mBRT and fill up pipe. Vessel location current is 1.6-1.7knots.
				meanwhile: modify overside wear bushing.
2:30	4:00	1:30	Other	Install Wear Bushing. Middle hinge and fins are still stopping to lower it. Remove it and grind it again. Install it again and it fits OK.
4:00	6:00	2:00	Other	Meanwhile: commence drifting to site from 6miles away from site with 0.5knots. Continue to drift vessel toward site with 1.0-1.2knots. Vessel Location at 4miles away.
				meanwhile: calibrate HR#1 encorder.

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	TFA (in^2)	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Bit Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP
2 (RR3b)	12-1/4"	Hycalog	RSX519S-D2	S422	218338	14 x 7	1.05																	

BHA RECORD / CORE BARREL TYPE

No.2 12-1/4"Bit x RAB-8 x Telescope825HF x 12-1/4"Stab x 8"NMDC x 8-1/2"DC(6) x 7-3/4"Jar x 8-1/2"DC(5) x XO x Drift sub x 5-1/2"DP(S140) 25stds x XO x 5-1/2"DP(S150)

String Wt.(kN)	mBRT
String total w/ HPS&TB	
Pick up Weight w/ HPS&TB	
Slack off weight w/ HPS&TB	
HPS & Traveling Block	700
BHA below Jar	190

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	W	S	Sand %	PPG	MBC	n	K	Temp In	Out	Dilution rate
	15:00	PIT	1.04	183	12	81	31	31			11.3										0.18	31.22	27		

Pre-hy / SW gel (m3)	
SW gel	128
USED Swgel	0
Prehygel	241

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/146	#5	10	165/145
#3	10	165/145	#6	10	165/145

	Desander	Mud cleaner	Centrifuge
#1	off	off	off
#2	off	off	off
#3			off

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.	Generated Vol.	Daily	Total
Treatment Vol.	67	194	0	Distilled Water	103	300
Evaporated Wtr Vol.	103	300	0	Sludge	0	0

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Map)	Ann. Vel. (m/min) DC	DP	ECD @ shoe
1	6						
2	6						
3	6						

Mud Gas

	Base (%)	Max. (%)	Depth (m)
Trip Gas			--
Conn. Gas			--

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	148,900
Kingie-VO (Bulk)	0	0	6,400
NaOH	0	0	2,875
KOH	0	0	150
Lime	0	0	1,950
Soda Ash	0	0	1,600
Tel-Polymer(H)	0	0	680
Tel-Polymer(L)	0	0	1,160
Tel-Polymer DX	0	0	240
XCD-Polymer	0	0	975
Xian-Vis	0	0	575
NaCl (Bag)	0	0	20,000
KCL (Bag)	0	0	4,000
Clean Lube (L)	0	0	5,000
Clean Lube	0	0	4,800
Tel-DD	0	0	600
Lignite NC	0	0	3,600
Telnite GXL	0	0	450
Speeder (P)	0	0	1,700
Treat HS	0	0	1,340
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0 / 0	0 / 0	0 / 0
Tel Mica C/M/F	0/0/0	0/0/0	0 / 0 /1000
Tel Plug C/M/F	0/0/0	0/0/0	0/0/0
TAN CAL M/F	0/0	0/0	3390/3360

HELICOPTER INFORMATION (JA9616)

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	10:36	10:44	9	9
2				
3				
4				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Pre.	
Kick Tolerance	

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

BOP TESTS

Last Test On	22-Jun-05
Annular BOPs To	3000psi (20.6Mpa)
Ram BOPs To	3000psi (20.6Mpa)

PERSONNEL @24:00

CDEX	6
MQJ Crew	90
MQJ(Other)	2
MWJ	14
Scientist	12
Sub Con.	
SLB W/L	0
SLB MWD	4
SLB CMT	1
Mud Logging	0
MI-Swaco	0
ROV	6
Telnite	1
Telnite(waste mud)	5
NOV	1
Vetco-Grav	1
Vendors	0
Others	5
Total	148

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Chikyu		
Heisei Maru	Chikyu		

Heave (m)	0.9
Pitch (deg)	1.1
Roll (deg)	0.4
Swell (m)	3.4
Vessel Heading (deg)	310.0
Drift (m)	0.4
Riser Tension (kN)	-
V.D. Load (Moon)	11,858.6
Max Draught (m)	9.2
Thruster (kW)	1,065
No. of transponders	5
Engine output(kW)	6,000
	P:37%, S:25%

GEOLOGIC INFORMATION

From	To	Lithology

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	105	102	211
Potable Water m3	0	5	215
Drill Water m3	0	0	679
Fuel m3	0	52.6	4,340.3
Lube, Oil Ltrs	0	0	54,200
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	7.6
Cement "DEEP CRETE" ton	0	0	12.5
Cement "LWC" ton	0	0	50.7

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(kts)	CURRENT Dir. (deg)	VISIBILITY (km)
0:00	c	25.5	26.3	1013	5.3	67	6.8	3.4	160	10.6	1.6	117	20

TODAY'S SCHEDULE : **Deploy ROV at 1miles from site / RIH with 12-1/4" LWD Assy / DRLG 12-1/4" Hole**

REPORTED BY : D.Ikenomoto / T.Saruhashi

APPROVED BY : T.Abe

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 90

HOLE NAME : C0010A **SITE NAME :** NT2-01J **Exp. :** 319 **REPORT DATE :** 8/Aug/2009

@24:00 **2,728.0** mBRT **176.0** mbsf PROGRESS : **135.0m** Water Depth : **2,552.0** mBRT (2523.7mMSL) RT-MSL : **28.3** m SINCE MOVE : **88**

@06:00 **2,805.0** mBRT **253.0** mbsf **-** DRILLING/CORING Hrs. : **10.75** hrs LAST CASING : **20"** x **41.0** mbsf

SUMMARY OF OPERATION **Run 12-1/4" LWD Assembly / Drift vessel to location / Entry hole & Drill 12-1/4" LWD hole**

PRESENT OPERATION @06:00 on **8-Aug** : **DRLG 12-1/4" Hole**

mBRT: meter below rotary table

mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **7-Aug**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	2:30	2:30	Other	RIH with 12-1/4"DRLG Assy to 1700mBRT and fill up pipe. Vessel location current is 1.6-1.7knots.
				meanwhile: modify over sized wear bushing
2:30	4:00	1:30	Other	Install Wear Bushing. Unable to lower it due to contact of middle hinge and fins. Remove it and grind it again. Install it again and it fits OK.
				Meanwhile: commence drifting to site from 6miles away from site with 0.5knots.
4:00	8:30	4:30	Other	Continue to drift vessel toward site with 1.0-1.2kots. Vessel Location at 4miles away. Dive ROV at 1miles away from site.
				meanwhile: calibrate HR#1 encoder.
8:45	12:00	3:15	Trip	RIH 12-1/4"driling Assembly on 5-1/2"Drill pipe from 1700m to 2600mBRT. Fill up pipe every 500m.
				meanwhile Vessel move to 50m from location.
12:00	12:30	0:30	Other	Move vessel to location. Meanwhile open and set up compensator.
12:30	13:15	0:45	Trip	ROV position on BHA. Lower BHA with ROV and navigate vessel to entry into well.
				Stab into entry funnel and RIH to 2593m w/pump 140spm 10.5Mpa.
13:15	0:00	10:45	DRLG	Drill 12-1/4"LWD hole from2593m to 2728mBRT. (135m)

Drilling parameter			Survey data	Depth(mBRT)	Inc(deg)	Az(deg)
WOB	0-40	kN		2,562.22	0.81	227.96
Pump rate	160	SPM		2,568.54	0.30	351.11
Pump pressure	13.5-14	Mpa		2,599.07	0.52	224.66
HPS speed	100-120	RPM		2,637.83	0.88	224.08
HPS torque	2-4	kNm		2,678.28	1.28	218.78
ROP ave	18	m/h		2,714.93	1.28	222.49

Meanwhile Sweep Hi-vis mud 5m3 every 1/2stand.
Make up and stand back 9-5/8" Casing in derrick. 3stds (total 5stds).

22:47 No.2S Azimuth thruster stop automatically due to steering oil pressure low alarm.
status Green → Advisory (possible to keep position)

TIME BREAKDOWN (00:00 - 06:00 on 8-Aug) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	6:00	6:00	DRLG	Drill 12-1/4" LWD hole from 2728mBRT to 2805mBRT. (77m)

Drilling parameter			Survey data	Depth(mBRT)	Inc(deg)	Az(deg)
WOB	0-40	kN		2,750.07	1.01	214.93
Pump rate	160	SPM		2,792.23	1.80	210.87
Pump pressure	13.2-14.0	Mpa				
HPS speed	120	RPM				
HPS torque	3-10	kNm				
ROP ave	18	m/h				

Meanwhile: MU and Rack back 9-5/8"CSG in derrick. 6stds. (Total 11stds)
Replaced controll unit of No.2S Azimuth and recover same at 3:45
Sweep Hi-vis mud 5m3 every 1/2 stand. Back to green status.

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	TFA (in^2)	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Bit Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP
2 (RR3b)	12-1/4"	Hycalog	RSX519S-D2	S422	218338	14 x 7	1.05	2,593.0	2,730.0	137.0	7.50	0	40	100	120	40								

BHA RECORD / CORE BARREL TYPE

No.2 12-1/4"Bit x RAB-8 x Telescope825HF x 12-1/4"Stab x 8"NMDC x 8-1/2"DC(6) x 7-3/4"Jar x 8-1/2"DC(5) x XO x Drift sub x 5-1/2"DP(S140) 25stds x XO x 5-1/2"DP(S150)

String Wt.(kN) @2728 mBRT

String total w/ HPS&TB	1990
Pick up Weight w/ HPS&TB	
Slack off weight w/ HPS&TB	
HPS & Traveling Block	700
BHA below Jar	190

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	W	S	Sand %	PPG	MBC	n	K	Temp In	Out	Dilution rate
SW gel	13:00	2,594	1.04	167	13	71	25	25			10.8										0.21	23.03	29		
	16:40	2,932	1.04	142	11	66	21	21			10.7										0.19	23.17	29		

Pre-hy / SW gel (m3)	
SW gel	85
USED Swgel	43
Prehygel	241

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/146	#5	10	165/145
#3	10	165/145	#6	10	165/145

	Desander	Mud cleaner	Centrifuge
#1	off	off	off
#2	off	off	off
#3			off

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.	Generated Vol.	Daily	Total
Treatment Vol.	81	275	0	Distilled Water	127	427
Evaporated Wtr Vol.	127	427	0	Sludge	0	0

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Mpa)	Ann. Vel. (m/min) DC	DP	ECD @ shoe
1	6	80	800	13.5-14			
2	6						
3	6	80					

Mud Gas

Base (%)	Max. (%)	Depth (m)
Trip Gas		--
Conn. Gas		--

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	148,900
Kingie-VO (Bulk)	0	0	6,400
NaOH	0	0	2,875
KOH	0	0	150
Lime	0	0	1,950
Soda Ash	0	0	1,600
Tel-Polymer(H)	0	0	680
Tel-Polymer(L)	0	0	1,160
Tel-Polymer DX	0	0	240
XCD-Polymer	0	0	975
Xian-Vis	0	0	575
NaCl (Bag)	0	0	20,000
KCL (Bag)	0	0	4,000
Clean Lube (L)	0	0	5,000
Clean Lube	0	0	4,800
Tel-DD	0	0	600
Lignite NC	0	0	3,600
Telnite GXL	0	0	450
Speeder (P)	0	0	1,700
Treat HS	0	0	1,340
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0 / 0	0 / 0	0 / 0
Tel Mica C/M/F	0/0/0	0/0/0	0 / 0 /1000
Tel Plug C/M/F	0/0/0	0/0/0	0/0/0
TAN CAL M/F	0/0	0/0	3390/3360

HELICOPTER INFORMATION (JA9616)

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	9:23	9:30	9	9
2	11:40	11:45	2	3
3				
4				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

KICK TOLERANCE

Max. Allow CSG Pre.	
Kick Tolerance	

PERSONNEL @24:00

CDEX	7
MQJ Crew	90
MQJ(Other)	2
MWJ	14
Scientist	14
Sub Con.	
SLB W/L	0
SLB MWD	2
SLB CMT	1
Mud Logging	0
MI-Swaco	0
ROV	6
Telnite	1
Telnite(waste mud)	5
NOV	1
Vetco-Grav	1
Vendors	0
Others	4
Total	148

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

Heave (m)	1.2
Pitch (deg)	1.2
Roll (deg)	0.2
Swell (m)	2.7
Vessel Heading (deg)	285.0
Drift (m)	1.1
Riser Tension (kN)	-
V.D. Load (Moon)	11,768.9
Max Draught (m)	9.2
Thruster (kW)	2,074
No. of transponders	5
Engine output(kW)	6,300
	P:40%, S:30%

GEOLOGIC INFORMATION

From	To	Lithology

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	102	113	200
Potable Water m3	0	4	211
Drill Water m3	0	0	679
Fuel m3	0	62.2	4,278.1
Lube, Oil Ltrs	0	0	54,200
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	7.6
Cement "DEEP CRETE" ton	0	0	12.5
Cement "LWC" ton	0	0	50.7

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Shingu		22:31
Heisei Maru	Chikyu	20:00	17:10

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(kts)	CURRENT Dir. (deg)	VISIBILITY (km)
0:00	c	27.5	28.5	1011	3.9	141	5.7	2.7	200	10.6	3.1	107	28

TODAY'S SCHEDULE : **Drill 12-1/4"LWD hole**

REPORTED BY : D.Ikenomoto / T.Saruhashi

APPROVED BY : I. Sawada

Chikyu DAILY MORNING REPORT **Mission No. :CK09-02** **REPORT No. : 91**

HOLE NAME : C0010A **SITE NAME : NT2-01J** **Exp. : 319** **REPORT DATE : 9/Aug/2009**

@24:00	**2,928.0** mBRT	**376.0** mbsf	PROGRESS : **200.0m**	Water Depth : **2,552.0** mBRT (2523.7mMSL)	RT-MSL : **28.3** m
@06:00	**2,954.0** mBRT	**402.0** mbsf	-	DRILLING/CORING Hrs. : **14.5** hrs	LAST CASING : **20"** x **41.0** mbsf

SINCE MOVE : **89**

SUMMARY OF OPERATION: **Drill 12-1/4" LWD hole / Wiper trip**

PRESENT OPERATION @06:00 on **9-Aug** : **DRLG 12-1/4" Hole**

mBRT: meter below rotary table
mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **8-Aug**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	12:15	12:15	DRLG	Drill 12-1/4" LWD hole from 2728mBRT to 2878mBRT.
				Drilling parameter WOB 0-40 kN — No.2S Azimuth thruster stop automatically
				Pump rate 160 SPM — due to steering oil pressure low alarm. 22:47(8/7)
				Pump pressure 13.2-14.0 Mpa — status Green → Advisory
				HPS speed 120 RPM — Replaced controll unit of No.2S Azimuth and recover same at 3:45
				HPS torque 0-12 kNm — Back to green status.
				ROP ave 16.6 m/h
				Sweep Hi-vis mud 5m3 every 1/2 stand.
12:15	14:00	1:45	log(N)	RE-log from 2846m to 2858mBRT w/20m/h due to poor data quarity.
14:00	16:15	2:15	DRLG	Continue to drill 12-1/4"LWD hole from 2878m to 2919mBRT.
16:15	16:45	0:30	C&C	Sweep 10m3 hi-vis mud and displace same from hole.
16:45	18:00	1:15	Trip	POOH from 2919m to 2573m(inside 20"casing). Observe no excessive over pull.
18:00	19:15	1:15	Other	Carry out inspection of Guide horn and HPS for loose items due to drilling section vibration.
19:15	20:15	1:00	Other (N)	Unable to release Draw works breaks, Change out PLC analog input card for Draw works PLC and recover same.
20:15	21:30	1:15	Trip	RIH from 2573m to 2845m. Take weight 1100-150kN from 2845m to 2850m, work pipe but not improve.
21:30	22:45	1:15	W&R	Connect HPS @2845m. Ream down from 2845m to 2919m. Sweep 10m3 Hi-vis mud and displace same from hole.
22:45	23:45	1:00	DRLG	Drill 12-1/4" LWD hole from 2919m to 2928m.
23:45	0:00	0:15	Other(N)	Draw works stop due to main air pressure low alarm. Pick up 3m off bottom by CMC.
				Meanwhile pump and rotate w/140spm and 70rpm.
				Drilling parameter WOB 0-40 kN
				Pump rate 160-180 SPM
				Pump pressure 13.2-17.5 Mpa
				HPS speed 120-135 RPM
				HPS torque 0-18 kNm
				ROP ave 16.6 m/h
				Sweep Hi-vis mud 5m3 every 1/2stand.
				Meanwhile MU and Rack back 9-5/8"CSG in derrick. 7stds and F/S+2jt, F/C+2jt. (Total 14stds)

Depth(mBRT)	Inc(deg)	Az(deg)
2,750.07	1.01	214.93
2,792.23	1.80	210.87
2,833.07	1.83	217.68
2,868.12	1.80	217.27

TIME BREAKDOWN (00:00 - 06:00 on 9-Aug) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	1:45	1:45	Other(N)	Continue to standby for draw work air compressor repair while adjusting CMC to PU bit 3m off bottom. DW can not be used.
1:45	2:15	0:30	Other(N)	Send 10m3 of Hivis and sweep out. Drill string stack when Hivis mud comes out Bit. Motor stalled at 20kNm and pump pressure increased from 10Mpa to 14Mpa.
				Reduce pump rate to 10spm and SO 300kN down with CMC. String becomes free.
2:15	3:00	0:45	Other(N)	Ream up with 60spm and 100rpm / 2-3Mpa and 2-4kNm
3:00	3:30	0:30	Other(N)	Rack back one stand. Ream up and down with 100-120spm and 100rpm / 8Mpa and 2-5kNm.
3:30	4:00	0:30	Other(N)	Send 5m3 of Hi-vis @2899mBRT. Stalled motor again at 20kNm. Increase limit to 30kNm and slack 100kN. String free.
4:00	5:00	1:00	Other(N)	MU and Run back down to bottom with 140spm and 120rpm. Take repeat section for LWD from 2921 to 2928mBRT.
5:00	6:00	1:00	DRLG	DRLG 12-1/4"Hole form 2928mBRT to 2954mBRT with 140spm and 120rpm / 0-15kNm, 10-11kNm, 0-20kN.

Depth(mBRT)	Inc(deg)	Az(deg)
2,906.77	1.76	234.56
2,941.01	1.86	237.05

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	TFA (in^2)	DEPTH (mBRT) From	To	METER-AGE	Bit Hrs.	WOB(kN) Min.	Max.	RPM Min.	Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP
2 (RR3b)	12-1/4"	Hycalog	RSX519S-D2	S422	218338	14 x 7	1.05	2,593.0	2,928.0	335.0	20.0	0	40	100	135	137								

BHA RECORD / CORE BARREL TYPE

No.2 12-1/4"Bit x RAB-8 x Telescope825HF x 12-1/4"Stab x 8"NMDC x 8-1/2"DC(6) x 7-3/4"Jar x 8-1/2"DC(5) x XO x Drift sub x 5-1/2"DP(S140) 25stds x XO x 5-1/2"DP(S150)

String Wt.(kN)	@2928 mBRT
String total w/ HPS&TB	2040
Pick up Weight w/ HPS&TB	
Slack off weight w/ HPS&TB	
HPS & Traveling Block	700
BHA below Jar	190

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	W	S	Sand %	PPG	MBC	n	K	Temp In	Out	Dilution rate
SW gel	15:35	2,906	1.04	129	14	54	41	43			10.3										0.27	12.62	29		
	0:00	2,906	1.04	143	15	61	40	42			10.8										0.26	15.04	29		

Pre-hy / SW gel (m3)	
SW gel	128
USED Swgel	141
Prehygel	132

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/146	#5	10	165/145
#3	10	165/145	#6	10	165/145

	Desander	Mud cleaner	Centrifuge
#1	off	off	off
#2	off	off	off
#3			off

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.	Generated Vol.	Daily	Total
Treatment Vol.	133	408	0	Distilled Water	207	634
Evaporated Wtr Vol.	207	634	0	Sludge	0	0

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Mpa)	Ann. Vel. (m/min) DC	DP	ECD @ shoe
1	6	80	800	13.5-14			1.045
2	6						
3	6	80					

Mud Gas

	Base (%)	Max. (%)	Depth (m)
Trip Gas			–
Conn. Gas			–

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Pre.	
Kick Tolerance	

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

GEOLOGIC INFORMATION

From	To	Lithology

PERSONNEL @24:00

CDEX	7
MQJ Crew	90
MQJ(Other)	3
MWJ	14
Scientist	14
Sub Con.	
SLB W/L	0
SLB MWD	2
SLB CMT	1
Mud Logging	0
MI-Swaco	0
ROV	6
Telnite	1
Telnite(waste mud)	5
NOV	1
Vetco Gray	1
Vendors	0
Others	4
Total	149

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	97	107	190
Potable Water m3	0	1	210
Drill Water m3	0	31	648
Fuel m3	0	59.9	4,218.2
Lube, Oil Ltrs	0	1000	53,200
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	7.6
Cement "DEEP CRETE" ton	0	0	12.5
Cement "LWC" ton	0	0	50.7

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	148,900
Kingie-VO (Bulk)	0	0	6,400
NaOH	0	300	2,575
KOH	0	0	150
Lime	0	300	1,650
Soda Ash	0	0	1,600
Tel-Polymer(H)	0	0	660
Tel-Polymer(L)	0	0	1.160
Tel-Polymer DX	0	0	240
XCD-Polymer	0	0	975
Xian-Vis	0	0	575
NaCl (Bag)	0	0	20,000
KCL (Bag)	0	0	4,000
Clean Lube (L)	0	0	5.000
Clean Lube	0	0	4,800
Tel-DD	0	0	600
Lignite NC	0	0	3.600
Telnite GXL	0	0	450
Speeder (P)	0	0	1.700
Treat HS	0	0	1,340
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0 / 0	0 / 0	0 / 0
Tel Mica C/M/F	0/0/0	0/0/0	0 / 0 /1000
Tel Plug C/M/F	0/0/0	0/0/0	0/0/0
TAN CAL M/F	0/0	0/0	3390/3360

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Chikyu	20:40	
Heisei Maru	Chikyu		

HELICOPTER INFORMATION (JA9616)

Flt. No.	Time Arrived	Departed	Passenger Are.	Dept.
1	9:19	9:25	4	3
2				
3				
4				

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

Heave (m)	2.5
Pitch (deg)	0.6
Roll (deg)	0.3
Swell (m)	2.6
Vessel Heading (deg)	280.0
Drift (m)	1.3
Riser Tension (kN)	-
V.D. Load (Moon)	11,474.1
Max Draught (m)	8.9
Thruster (kW)	1,316
No. of transponders	5
Engine output(kW)	6,400
	P:35%, S:29%

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	SW	Barometer (hPa)	WIND Speed(m/s)	Dir. (deg)	Gust (m/s)	WAVE Height(m)	Dir. (deg)	Period (s)	CURRENT Speed(kts)	Dir. (deg)	VISIBILITY (km)
0:00	r	26.5	27.9	1008.5	3.2	78	5.5	2.6	140	10.3	2.9	109	16

TODAY'S SCHEDULE : **Drill 12-1/4"LWD hole / Typhoon Evacuation**

REPORTED BY : D.Ikenomoto / T.Saruhashi
APPROVED BY : I. Sawada

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02 | **REPORT No. :** 92

HOLE NAME :	C0010A	**SITE NAME :**	NT2-01J	**Exp. :**	319
REPORT DATE :	10/Aug/2009				

@24:00	3,034.0 mBRT	482.0 mbsf	PROGRESS :	106.0m	Water Depth :	2,552.0 mBRT (2523.7mMSL)	RT-MSL :	28.3 m	SINCE MOVE : 90
@06:00	3,034.0 mBRT	482.0 mbsf	-		DRILLING/CORING Hrs. :	7:25 hrs	LAST CASING :	20" x 41.0 mbsf	

SUMMARY OF OPERATION

Drill 12-1/4" LWD hole / POOH / Prepare for low pressure evacuation / Wait on weather

PRESENT OPERATION @06:00 on **10-Aug** : **Sailing to shelter water**

mBRT: meter below rotary table
mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **9-Aug**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	1:45	1:45	Other(N)	Continue to standby for draw work air compressor repair while adjusting CMC to PU bit 3m off bottom. DW can not be used.
1:45	2:15	0:30	Other(N)	Send 10m3 of Hivis and sweep out. Drill string stack when Hivis mud comes out Bit. Motor stalled at 20kNm and pump pressure increased from 10Mpa to 14Mpa.
				Reduce pump rate to 10spm and SO 300kN down with CMC. String becomes free.
2:15	3:00	0:45	Other(N)	Ream up with 60spm and 100rpm / 2-3Mpa and 2-4kNm
3:00	3:30	0:30	Other(N)	Rack back one stand. Ream up and down with 100-120spm and 100rpm / 8Mpa and 2-5kNm.
3:30	4:00	0:30	Other(N)	Send 5m3 of Hi-vis @2899mBRT. Stalled motor again at 20kNm. Increase limit to 30kNm and slack 100kN. String free.
4:00	5:00	1:00	Other(N)	MU and Run back down to bottom with 140spm and 120rpm. Take repeat section for LWD from 2921 to 2928mBRT.
5:00	12:15	7:15	DRLG	DRLG 12-1/4"Hole form 2928mBRT to 3034mBRT with 140spm and 120rpm / 0-15kNm, 10-11kNm, 0-20kN.
				WOB 0-40 kN
				Pump rate 160 SPM
				Pump pressure 13.2-14.0 Mpa
				HPS speed 120 RPM
				HPS torque 0-12 kNm
				ROP ave 16.6 m/h
				Sweep Hi-vis mud 2m3 every joint.
				Meanwhile: Pick up 4xmoon pool hose through auxiliary well and secure them lying on PTS.
12:15	12:45	0:30	C &C	Sweep hi-vis mud 2m3 and displace w/seawater out of hole. Take MWD @ 3030mBRT.
12:45	14:45	2:00	Trip	POOH from 3034m to 2575mBRT. Observe over pull 150kN @2988-85m.Work pipe and pass through.
14:45	15:00	0:15	Other	Pull out of wellhead, Shift vessel off location, ROV start recovering and drift vessel. ROV on deck at 16:15.
15:00	17:45	2:45	Trip	POOH from 2575m to 1115mBRT.
17:45	18:15	0:30	Other	Drop Churchill drift, @1115mBRT(5-1/2"DP S-140 25stds). Connect HPS and chase same with 100spm. Observe 3.3Mpa pressure increase.
18:15	20:15	2:00	Trip	POOH from 1115m to 124m.
20:15	20:45	0:30	Trip	Break off Churchill drift sub. Recover drift gauge from sub.
18:15	22:30	4:15	Trip	POOH from 124m to surface. Check LWD and POL bit. OK. Rack back in derrick.
22:30	0:00	1:30	WOW	Move vessel to away from estimate Typhoon path.
				Meanwhile: Down load LWD data. OK.
				Lash loose items and secure drilling equipment / machines

Depth(mBRT)	Inc(deg)	Az(deg)
2,906.77	1.76	234.56
2,941.01	1.86	237.05
2,979.56	1.96	234.47
3,022.38	2.07	249.18

TIME BREAKDOWN (00:00 - 06:00 on **10-Aug**) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	6:00	6:00	WOW	Continue to move vessel to shelter water. Service drilling equipment.
				Prepare handling equipment for 3-1/2"TBG.
				Replace wire for #3 Deck Crane.
				Rough E.T.A.Shelter Water at Shionomisaki: 12:00

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	TFA (in^2)	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Bit Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP
2 (RR3b)	12-1/4"	Hycalog	RSX519S-D2	S422	218338	14 x 7	1.05	2,593.0	3,034.0	441.0	26.0	0	40		120	181	1	1	WT	C	-	1/32	TR	TR

BHA RECORD / CORE BARREL TYPE

No.2 12-1/4"Bit x RAB-8 x Telescope825HF x 12-1/4"Stab x 8"NMDC x 8-1/2"DC(6) x 7-3/4"Jar x 8-1/2"DC(5) x XO x Drift sub x 5-1/2"DP(S140) 25stds x XO x 5-1/2"DP(S150)

String Wt.(kN)	@3034 mBRT
String total w/ HPS&TB	2070
Pick up Weight w/ HPS&TB	2100
Slack off weight w/ HPS&TB	2040
HPS & Traveling Block	700
BHA below Jar	190

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	W	S	Sand %	PPG	MBC	n	K	Temp In	Out	Dilution rate
SW gel	22:00	2,906	1.04	133	15	51	42	44			10.4										0.3	10.46	29		

Pre-hy / SW gel (m3)	
SW gel	84
USED Swgel	186
Prehygel	132

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/146	#5	10	165/145
#3	10	165/145	#6	10	165/145

	Desander	Mud cleaner	Centrifuge
#1	off	off	off
#2	off	off	off
#3			off

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.	Generated Vol.	Daily	Total
Treatment Vol.(m3)	115	523	0	Distilled Water	207	634
Evaporated Wtr Vol.(m3)	179	813	0	Big -Bag	4	15

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Mpa)	Ann. Vel. (m/min) DC	DP	ECD @ shoe
1	6	70	700	13.5-14			1.04
2	6						
3	6	70					

Mud Gas

Base (%)	Max. (%)	Depth (m)
Trip Gas		--
Conn. Gas		--

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	148,900
Kingie-VO (Bulk)	0	0	6,400
NaOH	0	300	2,575
KOH	0	0	150
Lime	0	300	1,650
Soda Ash	0	0	1,600
Tel-Polymer(H)	0	0	680
Tel-Polymer(L)	0	0	1,160
Tel-Polymer DX	0	0	240
XCD-Polymer	0	0	975
Xian-Vis	0	0	575
NaCl (Bag)	0	0	20,000
KCL (Bag)	0	0	4,000
Clean Lube (L)	0	0	5,000
Clean Lube	0	0	4,800
Tel-DD	0	0	600
Lignite NC	0	0	3,600
Telnite GXL	0	0	450
Speeder (P)	0	0	1,700
Treat HS	0	0	1,340
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0 / 0	0 / 0	0 / 0
Tel Mica C/M/F	0/0/0	0/0/0	0 / 0 /1000
Tel Plug C/M/F	0/0/0	0/0/0	0/0/0
TAN CAL M/F	0/0	0/0	3390/3360

HELICOPTER INFORMATION (JA9616)

Flt. No.	Time Arrived	Departed	Passenger Are.	Dept.
1	9:22	9:28	3	2
2				
3				
4				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Pre.	
Kick Tolerance	

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

PERSONNEL @24:00

CDEX	7
MQJ Crew	90
MQJ(Other)	2
MWJ	14
Scientist	14
Sub Con.	
SLB W/L	0
SLB MWD	2
SLB CMT	3
Mud Logging	0
WF	2
ROV	6
Telnite	1
Telnite(waste mud)	5
NOV	1
Vetco Grav	1
Vendors	0
Others	2
Total	150

Heave (m)	1.2
Pitch (deg)	2.1
Roll (deg)	1.0
Swell (m)	4.1
Vessel Heading (deg)	270.0
Drift (m)	Moving
Riser Tension (kN)	-
V.D. Load (Moon)	11,214.9
Max Draught (m)	9.1
Thruster (kW)	17,094
No. of transponders	5
Engine output(kW)	21,000
	P:70%, S:70%

GEOLOGIC INFORMATION

From	To	Lithology

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	102	97	195
Potable Water m3	0	3	207
Drill Water m3	0	31	648
Fuel m3	0	64.6	4,153.6
Lube, Oil Ltrs	0	500	52,700
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	7.6
Cement "DEEP CRETE" ton	0	0	12.5
Cement "LWC" ton	0	0	50.7

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Evac		20:07
Heisei Maru	Shinqu		9:33

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	SW	Barometer (hPa)	WIND Speed(m/s)	Dir. (deg)	Gust (m/s)	WAVE Height(m)	Dir. (deg)	Period (s)	CURRENT Speed(kts)	Dir. (deg)	VISIBILITY (km)
0:00	hc	28	28.8	1006.9	9.4	149	10.6	4.1	160	11.7	4.0	99	20

TODAY'S SCHEDULE : **Typhoon Evacuation**

REPORTED BY : D.Ikenomoto / T.Saruhashi
APPROVED BY : I. Sawada

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02 | **REPORT No. : 93**

HOLE NAME :	C0010A	SITE NAME :	NT2-01J	Exp. :	319	REPORT DATE :	11/Aug/2009
@24:00	3,034.0 mBRT	482.0 mbsf	PROGRESS : -	Water Depth :	2,552.0 mBRT (2523.7mMSL)	RT-MSL : 28.3 m	SINCE MOVE : 91
@06:00	3,034.0 mBRT	482.0 mbsf	-	DRILLING/CORING Hrs. :	- hrs	LAST CASING : 20" x 41.0 mbsf	

SUMMARY OF OPERATION

PRESENT OPERATION @06:00 on 11-Aug : **Sail to shelter water / Wait on weather**

Sailing back to low current site.

mBRT: meter below rotary table

mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on 10-Aug)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	15:00	15:00	WOW	Continue to move vessel to shelter water.
15:00	0:00	9:00	WOW	Start DP mode. Wait for typhoon passing away the location.
				evacuation site 33.366N 135.683E (13mile SE off Tanabe port)
				Meanwhile
				Service drilling equipment. Clean up and housekeeping. Clean up sand traps, trip tank and mini trip tank.
				Prepare for handling 3-1/2" tubing for sensor dummy run.
				Modify IBOP actuator shell arm. to IBOP shell control arm. Preparing equipment for picking up casing running assy's.
				Replace wire for #3 Deck Crane.
				Elec's work on D/works mismatch fault / calibrate CMC.
				Make up and rack inner string cement stinger stand(S-140) / coring bumper sub + 5-1/2"DP(S-140) stand
				Pick up and make up pup joint + casing hanger running tool + casing hanger joint, Lay down same.
				Mismatch with different connections between saver sub and 5-1/2"DP S-140 pup joint. Change out savor sub.
				Loading from supply boat. Strainmeter/Packer Assy/Bentonite30tons

TIME BREAKDOWN (00:00 - 06:00 on 11-Aug) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	6:00	6:00	WOW	Continue to MU 3m pup joint + casing hanger running tool + hanger joint.
				Changeout savor sub.
				MU Cement stand.
				Commence sailing back to site NT2-01J at 0:00.

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	TFA (in^2)	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Bit Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP

BHA RECORD / CORE BARREL TYPE

String Wt.(kN)	mBRT
String total w/ HPS&TB	
Pick up Weight w/ HPS&TB	
Slack off weight w/ HPS&TB	
HPS & Traveling Block	
BHA below Jar	

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	W	S	Sand %	PPG	MBC	n	K	Temp In	Temp Out	Dilution rate
SW gel	16:00	PIT	1.04	122	12	46	37	37			10.2										0.29	9.84	29		

Pre-hy / SW gel (m3)	
SW gel	84
USED Swgel	229
Prehygel	132

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/146	#5	10	165/145
#3	10	165/145	#6	10	165/145

	Desander	Mud cleaner	Centrifuge
#1	off	off	off
#2	off	off	off
#3			off

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.	Generated Vol.	Daily	Total
Treatment Vol.(m3)	90	613	0	Distilled Water	137	950
Evaporated Wtr Vol.(m3)	137	950	0	Big -Bag		15

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Mpa)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP	ECD @ shoe
1	6	70					
2	6						
3	6	70					

Mud Gas

	Base (%)	Max. (%)	Depth (m)
Trip Gas			--
Conn. Gas			--

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	148,900
Kingie-VO (Bulk)	0	0	6,400
NaOH	0	300	2,575
KOH	0	0	150
Lime	0	300	1,650
Soda Ash	0	0	1,600
Tel-Polymer(H)	0	0	680
Tel-Polymer(L)	0	0	1,160
Tel-Polymer DX	0	0	240
XCD-Polymer	0	0	975
Xian-Vis	0	0	575
NaCl (Bag)	0	0	20,000
KCL (Bag)	0	0	4,000
Clean Lube (L)	0	0	5,000
Clean Lube	0	0	4,800
Tel-DD	0	0	600
Lignite NC	0	0	3,600
Telnite GXL	0	0	450
Speeder (P)	0	0	1,700
Treat HS	0	0	1,340
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0 / 0	0 / 0	0 / 0
Tel Mica C/M/F	0/0/0	0/0/0	0 / 0 /1000
Tel Plug C/M/F	0/0/0	0/0/0	0/0/0
TAN CAL M/F	0/0	0/0	3390/3360

HELICOPTER INFORMATION (JA9616)

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1				
2				
3				
4				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Pre.	
Kick Tolerance	

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

PERSONNEL @24:00

CDEX	7
MQJ Crew	90
MQJ(Other)	2
MWJ	14
Scientist	14
Sub Con.	
SLB W/L	0
SLB MWD	2
SLB CMT	3
Mud Logging	0
WF	2
ROV	6
Telnite	1
Telnite(waste mud)	5
NOV	1
Vetco Grav	1
Vendors	0
Others	2
Total	150

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

GEOLOGIC INFORMATION

From	To	Lithology

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	106	73	228
Potable Water m3	0	2	205
Drill Water m3	0	0	648
Fuel m3	0	93.9	4,059.7
Lube, Oil Ltrs	0	600	52,100
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	7.6
Cement "DEEP CRETE" ton	0	0	12.5
Cement "LWC" ton	0	0	50.7

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Chikyu	15:59	
Heisei Maru	Shinqu		

Heave (m)	-
Pitch (deg)	0.2
Roll (deg)	0.1
Swell (m)	1.9
Vessel Heading (deg)	128.0
Drift (m)	Moving
Riser Tension (kN)	-
V.D. Load (Moon)	11,137.2
Max Draught (m)	9.0
Thruster (kW)	630
No. of transponders	5
Engine output(kW)	5,300
	P:21%, S:21%

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(kts)	CURRENT Dir. (deg)	VISIBILITY (km)
0:00		26.5	27.1	1003.8	12.9	309	14.7	1.9	170	8.7	0.9	283	24

TODAY'S SCHEDULE : **Sailing back to site / MU Cement Stinger Stands / RIH with 12-1/4"DRLG Ass'y**

REPORTED BY : D.Ikenomoto / T.Saruhashi

APPROVED BY : I. Sawada

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 94

HOLE NAME :	C0010A	**SITE NAME :**	NT2-01J	**Exp. :**	319	**REPORT DATE :**	12/Aug/2009
@24:00	3,034.0 mBRT	482.0 mbsf	PROGRESS : -	Water Depth : 2,552.0 mBRT (2523.7mMSL)	RT-MSL : 28.3 m	SINCE MOVE :	92
@06:00	3,034.0 mBRT	482.0 mbsf	-	DRILLING/CORING Hrs. : - hrs	LAST CASING : 20" x	41.0 mbsf	

SUMMARY OF OPERATION

PRESENT OPERATION @06:00 on 12-Aug : **Sailing back to site / MU Cement Stinger Stands / RIH with 12-1/4"DRLG Ass'y**

Repeat section from 2900m to 2970mBRT.

mBRT: meter below rotary table

mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on 11-Aug)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	9:00	9:00	WOW	Sail back to 7mile upstream from Site NT2-01J.
				Continue to MU 3m pup joint + casing hanger running tool + hanger joint. 8/10 14:43
				Replace saver sub on HPS due to thread damage. Stop No.3C Azimuth thruster due to failure of check valve.
				MU Cement stand, drift 2-7/8"gauge and rack back same. Raise 3C AZ and repair same
9:00	9:45	0:45	Other	Upload and program LWD tools by Schlumberger on surface.
9:45	12:00	2:15	Trip	RIH 12-1/4"LWD Drilling BHA.
12:00	13:30	1:30	Trip	Make up Churchill drift sub cross over. RIH with 6stds of S-140 Drill pipe.
13:30	14:45	1:15	Other(N)	Change out Hydraulic elevator due to worn dowel pin for retaining plate on latch.
14:45	18:00	3:15	Trip	Continue to RIH to 1700mBRT. Fill up pipe every 15stds run.
				@16:45 Complete repairing 3C AZ
				@17:23 Start drifting after Heli take off
18:00	22:30	4:30	Other	Continue to drift vessel to location. (Drifting speed = 1kt)
22:30	23:30	1:00	Trip	Continue to RIH from 1700mBRT to 2010mBRT (2mile upstream).
23:30	0:00	0:30	Other	Dive ROV. (1mile upstream) while drifting

TIME BREAKDOWN (00:00 - 06:00 on 12-Aug) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	2:00	2:00	Trip	Resume RIH from 2010m to 2543mBRT.
2:00	3:00	1:00	Other	Move vessel to well center and align vessel to stab in position. Stab in BHA into wellhead.
3:00	4:00	1:00	Trip	RIH to 2780mBRT. Take weight 150kN at 2780mBRT. Work Pipe stand.
4:00	5:15	0:45	Trip	Continue to RIH from 2780m to 2840mBRT. Take weight 200kN at 2840mBRT. Work pipe but could not pass througth. PU to 2816m and Connect top drive. Ream up and down from 2816m to 2869mBRT with 120spm and 120rpm. Motor stalled 20kNm at 2816m, 2829m and 30kNm at 2840m, 2861m and 2869mBRT. Torque reduced to 5-10kNm after reaming.
5:15	6:00	0:45	SURV	Install geolograph and ream down to 2900mBRT and take repeat section with LWD during reaming down from 2900m to 2901mBRT with 140spm and 100rpm Torque is static around 5-8kNm.

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	TFA (in^2)	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Bit Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP
RR2a (RR3c)	12-1/4"	Hycalog	RSX519S-D2	S422	218338	14 x 7	1.05	3,034.0																

BHA RECORD / CORE BARREL TYPE

RR2a 12-1/4"Bit x RAB-8 x Telescope825HF x 12-1/4"Stab x 8"NMDC x 8-1/2"DC(6) x 7-3/4"Jar x 8-1/2"DC(5) x XO x Drift sub x 5-1/2"DP(S140) 6stds x XO x 5-1/2"DP(S150)

String Wt.(kN) @2874 mBRT

String total w/ HPS&TB	2099
Pick up Weight w/ HPS&TB	2134
Slack off weight w/ HPS&TB	2013
HPS & Traveling Block	700
BHA below Jar	190

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	W	S	Sand %	PPG	MBC	n	K	Temp In	Out	Dilution rate
SW gel	16:00	PIT	1.04	106	16	34	31	32			9.9										0.4	4.12	29		

Pre-hy / SW gel (m3)	
SW gel	84
USED Swgel	229
Prehygel	200

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/146	#5	10	165/145
#3	10	165/145	#6	10	165/145

	Desander	Mud cleaner	Centrifuge
#1	off	off	off
#2	off	off	off
#3			off

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.	Generated Vol.	Daily	Total
Treatment Vol.(m3)	123	736	0	Distilled Water	198	1,148
Evaporated Wtr Vol.(m3)	198	1,148	0	Big -Bag	4	19

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Mpa)	Ann. Vel. (m/min) DC	DP	ECD @ shoe
1	6	70					
2	6						
3	6	70					

Mud Gas

Base (%)	Max. (%)	Depth (m)
Trip Gas		--
Conn. Gas		--

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	148,900
Kingie-VO (Bulk)	30,500	0	36,900
NaOH	2,250	0	4,825
KOH	0	0	150
Lime	4,000	0	5,650
Soda Ash	0	0	1,600
Tel-Polymer(H)	0	0	680
Tel-Polymer(L)	0	0	1,160
Tel-Polymer DX	0	0	240
XCD-Polymer	0	0	975
Xian-Vis	0	0	575
NaCl (Bag)	0	0	20,000
KCL (Bag)	0	0	4,000
Clean Lube (L)	0	0	5,000
Clean Lube	0	0	4,800
Tel-DD	0	0	600
Lignite NC	0	0	3,600
Telnite GXL	0	0	450
Speeder (P)	0	0	1,700
Treat HS	0	0	1,340
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0 / 0	0 / 0	0 / 0
Baracor	220	0	220
Telnite OS-5	375	0	375
TAN CAL M/F	0/0	0/0	3390/3360

HELICOPTER INFORMATION (JA9616)

Flt. No.	Time Arrived	Departed	Passenger Are.	Dept.
1				
2				
3				
4				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Pre.	
Kick Tolerance	

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

PERSONNEL @24:00

CDEX	7
MQJ Crew	90
MQJ(Other)	2
MWJ	14
Scientist	14
Sub Con.	
SLB W/L	0
SLB MWD	2
SLB CMT	3
Mud Logging	0
WF	2
ROV	6
Telnite	1
Telnite(waste mud)	5
NOV	1
Vetco Grav	1
Vendors	0
Others	2
Total	150

Heave (m)	-
Pitch (deg)	0.3
Roll (deg)	0.2
Swell (m)	1.9
Vessel Heading (deg)	280.0
Drift (m)	Moving
Riser Tension (kN)	-
V.D. Load (Moon)	11,223.3
Max Draught (m)	9.1
Thruster (kW)	1,557
No. of transponders	5
Engine output(kW)	5,300
	P:21%, S:21%

GEOLOGIC INFORMATION

From	To	Lithology

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	101	69	260
Potable Water m3	0	4	201
Drill Water m3	238	0	885
Fuel m3	0	69.8	3,989.9
Lube, Oil Ltrs	0	700	51,400
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	7.6
Cement "DEEP CRETE" ton	0	0	12.5
Cement "LWC" ton	0	0	50.7

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Chikyu	20:30	
Heisei Maru	Chikyu	20:30	

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	SW	Barometer (hPa)	WIND Speed(m/s)	Dir. (deg)	Gust (m/s)	WAVE Height(m)	Dir. (deg)	Period (s)	CURRENT Speed(kts)	Dir. (deg)	VISIBILITY (km)
0:00	hc	28	26.4	1006.2	14.0	270	15.2	1.9	250	7.2	1.8	118	24

TODAY'S SCHEDULE : **Repeat section / RIH with 12-1/4"BHA / DRLG 12-1/4"hole to TD**

REPORTED BY : D.Ikenomoto / T.Saruhashi

APPROVED BY : I. Sawada

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02 | **REPORT No. : 95**

HOLE NAME :	C0010A	SITE NAME :	NT2-01J	Exp. :	319
REPORT DATE :	13/Aug/2009				

@24:00 **3,107.0** mBRT **555.0** mbsf PROGRESS : **73.0m** Water Depth : **2,552.0** mBRT (2523.7mMSL) RT-MSL : **28.3** m SINCE MOVE : **93**

@06:00 **3,107.0** mBRT **555.0** mbsf **-** DRILLING/CORING Hrs. : **5:30** hrs LAST CASING : **20"** x **41.0** mbsf

SUMMARY OF OPERATION

PRESENT OPERATION @06:00 on **13-Aug** : **Wiper Trip**

RIH and reenter the hole, Drill 12-1/4"hole to TD, Wiper Trip

mBRT: meter below rotary table

mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **12-Aug**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	2:00	2:00	Trip	Resume RIH from 2010m to 2543mBRT.
2:00	3:00	1:00	Other	Move vessel to well center and align vessel to stab in position. Stab in BHA into wellhead.
3:00	4:00	1:00	Trip	RIH to 2780mBRT. Take weight 150kN at 2780mBRT. Work Pipe stand.
4:00	6:00	2:00	Trip	Continue to RIH from 2780m to 2840mBRT. Take weight 200kN at 2840mBRT. Work pipe but could not pass througth. PU to 2816m and Connect top drive.
				Ream up and down from 2816m to 2886mBRT with 120spm and 120rpm. Motor stalled 20kNm at 2816m, 2829m and 30kNm at 2840m, 2861m and 2869mBRT
				Torque reduced to 5-10kNm after reaming.
6:00	10:15	4:15	SURV	Install geolograph and ream down to 2900mBRT and take repeat section with LWD during reaming down from 2900m to 2972mBRT with 140spm and 100rpm
				Torque is static around 5-8kNm.
10:15	11:15	1:00	Trip	Continue to ream from 2972 to 3001mBRT
11:15	11:45	0:30	Trip	RIH from 3001mBRT to 3005mBRT. Take weight 190kN at 3005mBRT.
				Ream from 3001mBRT to 3034mBRT. Meanwhile troble shoot drawworks mismatch fault.
11:45	17:15	5:30	DRLG	Drill 12-1/4"hole from 3034m to 3107m(TD)
				WOB: 0-30kN , HPS 125rpm x 0-15kNm, Pump: 700gpm x 12Mpa , Pump 2m3 of Hi-Vis every joint drilled.
17:15	18:00	0:45	C&C	Circulate and sweep out 2m3 of Hi-vis
18:00	18:30	0:30	C&C	Spot 12m3 of Hi-Vis and displace with SW with 140spm and decrease to 40spm before Hi-Vis come out of nozzle.
18:30	21:30	3:00	Trip	Wiper trip to 20"casing shoe
				Observe overpull 200kN @ 3103m
				(18:30-18:45) Ream up with 10rpm without pumping from 3103m to 3096m. O.P 150kN Torque: 5-20kNm
				(18:45-2130) Pull up to 2590m O.P 50-100kN @ 3095-2965m
21:30	0:00	2:30	Trip	Run back to bottom
				Take weight 100kN @2838-2848m, 2901m 2961-2966m Work pipe and improve hole condition
				Take weight 150kN @2852m, 2968m
				Ream 2849-2887m with 700gpm, 70-100rpm

TIME BREAKDOWN (00:00 - 06:00 on 13-Aug) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	1:45	1:45	Trip	Ream 2965-3003m with 700gpm, 100-140rpm
				Still observe tight hole below 2995m even after reaming. Continuous drag (take weight100-150kN)) 2998-3003mBRT.
1:45	4:00	2:15	Trip	Ream 3003-3042m with 800-900gpm, 140-160rpm
				Continuous drag (take weight100-150kN) remains at 3032-3042mBRT.
				RIH w/100spm no obvious drag at 3032-3042mBRT.
4:00	5:00	1:00	Trip	RIH w/100spm from 3042mBRT. Take weight 130kN at 3044mBRT. Ream 3042-3075mBRT with 180spm/140rpm
				RIH w/100spm no drag observed.
5:00	6:00	1:00	Trip	Ream from 3075 to 3107mBRT. RIH w/100spm from 3075 to 3107mBRT. Take weight 150kN at 3105mBRT. Ream 3105-3107mBRT.

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	TFA (in^2)	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Bit Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP
RR2a (RR3c)	12-1/4"	Hycalog	RSX519S-D2	S422	218338	14 x 7	1.05	3,034.0	3,107.0	73.0	30.5	0	40	140	140	236								

BHA RECORD / CORE BARREL TYPE

RR2a 12-1/4"Bit x RAB-8 x Telescope825HF x 12-1/4"Stab x 8"NMDC x 8-1/2"DC(6) x 7-3/4"Jar x 8-1/2"DC(5) x XO x Drift sub x 5-1/2"DP(S140) 6stds x XO x 5-1/2"DP(S150)

String Wt.(kN) @2874 mBRT

String total w/ HPS&TB	2099
Pick up Weight w/ HPS&TB	2134
Slack off weight w/ HPS&TB	2013
HPS & Traveling Block	700
BHA below Jar	190

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	W	S	Sand %	PPG	MBC	n	K	Temp In	Out	Dilution rate
SW gel	16:00	PIT	1.04	106	16	34	31	32			9.9										0.4	4.12	29		

Pre-hy / SW gel (m3)	
SW gel	84
USED Swgel	229
Prehygel	200

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/146	#5	10	165/145
#3	10	165/145	#6	10	165/145

	Desander	Mud cleaner	Centrifuge
#1	off	off	off
#2	off	off	off
#3			off

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.	Generated Vol.	Daily	Total
Treatment Vol.(m3)	109	835	0	Distilled Water	159	1,307
Evaporated Wtr Vol.(m3)	159	1,307	0	Big -Bag	1	20

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Mpa)	Ann. Vel. (m/min) DC	DP	ECD @ shoe
1	6	70					
2	6						
3	6	70					

Mud Gas

	Base (%)	Max. (%)	Depth (m)
Trip Gas			--
Conn. Gas			--

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	148,900
Kingie-VO (Bulk)	30,500	0	36,900
NaOH	2,250	0	4,825
KOH	0	0	150
Lime	4,000	0	5,650
Soda Ash	0	0	1,600
Tel-Polymer(H)	0	0	680
Tel-Polymer(L)	0	0	1,160
Tel-Polymer DX	0	0	240
XCD-Polymer	0	0	975
Xian-Vis	0	0	575
NaCl (Bag)	0	0	20,000
KCL (Bag)	0	0	4,000
Clean Lube (L)	0	0	5,000
Clean Lube	0	0	4,800
Tel-DD	0	0	600
Lignite NC	0	0	3,600
Telnite GXL	0	0	450
Speeder (P)	0	0	1,700
Treat HS	0	0	1,340
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0 / 0	0 / 0	0 / 0
Baracor	220	0	220
Telnite OS-5	375	0	375
TAN CAL M/F	0/0	0/0	3390/3360

HELICOPTER INFORMATION (JA9616)

Flt. No.	Time Arrived	Departed	Passenger Are.	Dept.
1	9:21	9:31	8	8
2	11:40	11:47	7	8
3	14:02	14:10	4	4
4				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Pre.	
Kick Tolerance	

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

PERSONNEL @24:00

CDEX	7
MQJ Crew	88
MQJ(Other)	2
MWJ	14
Scientist	14
Sub Con.	
SLB W/L	0
SLB MWD	2
SLB CMT	3
BOT	1
WF	2
ROV	6
Telnite	1
Telnite(waste mud)	5
NOV	1
Vetco-Grav	1
Vendors	0
Others	2
Total	149

GEOLOGIC INFORMATION

From	To	Lithology

MATERIALS STOCK on BOARD @24:00

Item		RECEIVED	USED	STOCK
Fresh Water	m3	101	69	260
Potable Water	m3	0	4	201
Drill Water	m3	238	0	885
Fuel	m3	0	69.8	3,989.9
Lube, Oil	Ltrs	0	700	51,400
Heli Fuel	Ltrs	0	0	0
Cement "G"	ton	0	0	7.6
Cement "DEEP CRETE"	ton	0	0	12.5
Cement "LWC"	ton	0	0	50.7

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Shingu		15:40
Heisei Maru	Chikyu		

Heave (m)	0.8
Pitch (deg)	0.8
Roll (deg)	0.3
Swell (m)	1.4
Vessel Heading (deg)	285.0
Drift (m)	0.4
Riser Tension (kN)	-
V.D. Load (Moon)	11,179.0
Max Draught (m)	9.15
Thruster (kW)	3,100
No. of transponders	5
Engine output(kW)	7,700
	P:43%, S:33%

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	SW	Barometer (hPa)	WIND Speed(m/s)	Dir. (deg)	Gust (m/s)	WAVE Height(m)	Dir. (deg)	Period (s)	CURRENT Speed(kts)	Dir. (deg)	VISIBILITY (km)
0:00	hc	28	28.4	1005.3	12.5	233	13	1.4	240	7.1	2.9	108	20

TODAY'S SCHEDULE : **Wiper Trip / POOH / Run 9-5/8"CSG**

REPORTED BY : T.Saruhashi / Y.Kawano

APPROVED BY : I. Sawada

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 96

HOLE NAME :	C0010A	**SITE NAME :**	NT2-01J	**Exp. :**	319	**REPORT DATE :**	14/Aug/2009
@24:00	3,107.0 mBRT	555.0 mbsf	PROGRESS : -	Water Depth : 2,552.0 mBRT (2523.7mMSL)	RT-MSL : 28.3 m		SINCE MOVE : 94
@06:00	3,107.0 mBRT	555.0 mbsf	-	DRILLING/CORING Hrs. : - hrs	LAST CASING : 20" x	41.0 mbsf	

SUMMARY OF OPERATION

PRESENT OPERATION @06:00 on 14-Aug : **Wiper Trip / POOH / Run 9-5/8"CSG**

TIME BREAKDOWN (00:00 - 24:00 on 13-Aug) **Run 9-5/8"CSG**

mBRT: meter below rotary table
mbsf: : meter below sea floor

From	To	Hrs	Code	DETAIL of OPERATION
0:00	1:30	1:30	Trip	Ream 2965-3003m with 700gpm, 100-140rpm
				Still observe tight hole below 2995m even after reaming. Continuous drag (take weight100-150kN)) 2998-3003mBRT.
1:30	4:00	2:30	Trip	Ream 3003-3042m with 800-900gpm, 140-160rpm
				Continuous drag (take weight100-150kN) remains at 3032-3042mBRT.
				RIH w/100spm no obvious drag at 3032-3042mBRT.
4:00	5:00	1:00	Trip	RIH w/100spm from 3042mBRT. Take weight 130kN at 3044mBRT. Ream 3042-3075mBRT with 180spm/140rpm
				RIH w/100spm no drag observed.
5:00	6:00	1:00	Trip	Ream from 3075 to 3107mBRT. RIH w/100spm from 3075 to 3107mBRT. Take weight 150kN at 3105mBRT. Ream 3105-3107mBRT.
6:00	6:30	0:30	C&C	Sweep out hole with 10m3 of Hi-vis with 140SPM / 12Mpa
6:30	7:15	0:45	C&C	Sweep out hole again with 10m3 of Hi-vis with 140SPM / 12Mpa
7:15	7:45	0:30	C&C	Sweep out hole again with 10m3 of Hi-vis with 140SPM / 12Mpa
7:45	8:00	0:15	C&C	Spot 40m3 of Kill Mud (1.30sg).
8:00	10:15	2:15	Trip	POOH to 2584m
				Overpull 100kN@ 3065-3043m, 80kN @2981-2971m
10:15	11:00	0:45	Other	Engage HPS and flush sea water to clean Wellhead Housing from 2584m to 2543m.
11:00	11:15	0:15	Otrer	Drop Churchil drill pipe drift gauge from the top of No.58 S150 stand.
				Chase with 300gpm x 1.9Mpa. Confirm gauge landing by pressure increase 3.0Mpa after 10min.
11:15	17:15	6:00	Trip	Resume POOH to surface ROV on deck @ 13:00
				Start drifting vessel downstream to mitigate vibration due to high current at the depth of 310m @ 15:00
17:15	18:15	1:00	Other	Lay down Telescope and RAV-8
				Move vessel toward low current area.
18:15	19:45	1:30	Other	Replace DPS antenna on top of derrick.
				Meanwhile hold TBRA for running 9-5/8"casing
19:45	0:00	4:15	Other	Prepare for running 9-5/8"casing
				Remove wear bushing from upper guide horn.
				Pick up HGRRT stand from derrick. Replace top S140 Pup joint to S150. Rack back same.
				Rig up Weatherford casing running tool.
				Vessel arrive low current area 12mile north-west of the well site @22:30

TIME BREAKDOWN (00:00 - 06:00 on 14-Aug) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	2:00	2:00	Other	Prepare for running 9-5/8"casing
				Pick up CMTG stand. Install Wiper plug into top single above top TIW valve. Rack back same
2:00	6:00	4:00	Trip	MU & Run 9-5/8"CSG (Shoe Std / Float Collar Std / Thread lock Std / Screen Joints x 2/ Intermeiate Std x 1)
				Meanwhile move vessel to Nort-West toward 13miles from site due to current increase to 2.3knots.

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	TFA (in^2)	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Bit Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP
RR2a (RR3c)	12-1/4"	Hycalog	RSX519S-D2	S422	218338	14 x 7	1.05	3,034.0	3,107.0	73.0	30.5	0	40	140	140	236	1	1	CT1	S	x	I	WT	TD

BHA RECORD / CORE BARREL TYPE

RR2a 12-1/4"Bit x RAB-8 x Telescope825HF x 12-1/4"Stab x 8"NMDC x 8-1/2"DC(6) x 7-3/4"Jar x 8-1/2"DC(5) x XO x Drift sub x 5-1/2"DP(S140) 6stds x XO x 5-1/2"DP(S150)

String Wt.(kN) @3003 mBRT

String total w/ HPS&TB	2100
Pick up Weight w/ HPS&TB	2140
Slack off weight w/ HPS&TB	1940
HPS & Traveling Block	700
BHA below Jar	190

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	W	S	Sand %	PPG	MBC	n	K	Temp In	Out	Dilution rate
SWG	16:00		1.04	95	15	32	33	35			10.2										0.4	3.89	28		

Pre-hy / SW gel (m3)	
SW gel	48
USED Swgel	259
Prehygel	102

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/146	#5	10	165/145
#3	10	165/145	#6	10	165/145

	Desander	Mud cleaner	Centrifuge
#1	off	off	off
#2	off	off	off
#3			off

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.	Generated Vol.	Daily	Total
Treatment Vol.(m3)	104	939	0	Distilled Water	169	1,476
Evaporated Wtr Vol.(m3)	169	1,476	0	Big -Bag	0	20

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Mpa)	Ann. Vel. (m/min) DC	DP	ECD @ shoe
1	6	70					
2	6						
3	6	70					

Mud Gas

Base (%)	Max. (%)	Depth (m)
Trip Gas		--
Conn. Gas		--

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	148,900
Kingie-VO (Bulk)	0	0	36,900
NaOH	0	0	4,825
KOH	0	0	150
Lime	0	0	5,650
Soda Ash	0	0	1,600
Tel-Polymer(H)	0	0	680
Tel-Polymer(L)	0	0	1,160
Tel-Polymer DX	0	0	240
XCD-Polymer	0	0	975
Xian-Vis	0	0	575
NaCl (Bag)	0	0	20,000
KCL (Bag)	0	0	4,000
Clean Lube (L)	0	0	5,000
Clean Lube	0	0	4,800
Tel-DD	0	0	600
Lignite NC	0	0	3,600
Telnite GXL	0	0	450
Speeder (P)	0	0	1,700
Treat HS	0	0	1,340
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0 / 0	0 / 0	0 / 0
Baracor	0	0	220
Telnite OS-5	0	0	375
TAN CAL M/F	0/0	0/0	3390/3360

HELICOPTER INFORMATION (JA9616)

Flt. No.	Time Arrived	Departed	Passenger Are.	Dept.
1				
2				
3				
4				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Pre.	
Kick Tolerance	

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

PERSONNEL @24:00

CDEX	7
MQJ Crew	88
MQJ(Other)	2
MWJ	14
Scientist	14
Sub Con.	
SLB W/L	0
SLB MWD	2
SLB CMT	3
BOT	1
WF	2
ROV	6
Telnite	1
Telnite(waste mud)	5
NOV	1
Vetco-Grav	1
Vendors	0
Others	2
Total	149

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

GEOLOGIC INFORMATION

From	To	Lithology

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	101	86	299
Potable Water m3	0	2	196
Drill Water m3	64	0	1,009
Fuel m3	0	65.2	3,865.1
Lube, Oil Ltrs	0	0	4,990
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	7.6
Cement "DEEP CRETE" ton	0	0	12.5
Cement "LWC" ton	0	0	50.7

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Chikyu	19:30	
Heisei Maru	Chikyu		

Heave (m)	0.3
Pitch (deg)	0.7
Roll (deg)	0.3
Swell (m)	1.7
Vessel Heading (deg)	270.0
Drift (m)	0.2
Riser Tension (kN)	-
V.D. Load (Moon)	10,963.9
Max Draught (m)	9.16
Thruster (kW)	1,576
No. of transponders	5
Engine output(kW)	5,800
	P:29%, S:28%

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	SW	Barometer (hPa)	WIND Speed(m/s)	Dir. (deg)	Gust (m/s)	WAVE Height(m)	Dir. (deg)	Period (s)	CURRENT Speed(kts)	Dir. (deg)	VISIBILITY (km)
0:00	hc	27.5	26.7	1002.9	10.8	273	11.1	1.7	260	6.9	0.4	111	20

TODAY'S SCHEDULE : **Run 9-5/8"CSG and stab into wellhead.**

REPORTED BY : T.Saruhashi / Y.Kawano

APPROVED BY : I. Sawada

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 97

HOLE NAME :	C0010A	**SITE NAME :**	NT2-01J	**Exp. :**	319	**REPORT DATE :**	15/Aug/2009
@24:00	3,107.0 mBRT	555.0 mbsf	PROGRESS : -	Water Depth : 2,552.0 mBRT (2523.7mMSL)	RT-MSL : 28.3 m		SINCE MOVE : 95
@06:00	3,107.0 mBRT	555.0 mbsf	-	DRILLING/CORING Hrs. : - hrs	LAST CASING : 20" x 41.0 mbsf		

SUMMARY OF OPERATION

Run 9-5/8"CSG and inner string. Run 9-5/8"CSG with running string. Drift vessel to well location.

PRESENT OPERATION @06:00 on **15-Aug** : **Drift vessel to well site with 9-5/8"CSG assembly (1900mBRT).**

mBRT: meter below rotary table
mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **14-Aug**)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	2:00	2:00	Other	Prepare for running 9-5/8"casing
				Pick up CMTG stand. Install Wiper plug into top single above top TIW valve. Rack back same
2:00	9:15	7:15	CSG	MU & Run 9-5/8"CSG: CSG Wt (Reading from Hookload: 334kN / Caculation Wt: 323kN)
				Meanwhile move vessel to Norh-West toward 13miles from site due to current increase to 2.5knots.
9:15	12:30	3:15	CSG	Prepare and Run stinger assembly into 9-5/8"CSG
				Jump ROV to lower screen @ 11:45
12:30	13:00	0:30	CSG	Pick up and connect HGRRT stand.
13:00	13:30	0:30	CSG	Spot 2.4m3 of dye fluid and displace with 7.5m3 of SW
13:30	13:45	0:15	CSG	Lower stinger assembly to stab CMT stinger into stab-in sleeve of F/Collar.
				Confirm Bumper sub close with 95kN WOB. (Calculation 97kN)
13:45	14:00	0:15	CSG	Connect HGRRT to 9-5/8"casing hanger.
				Rotate to the left 4rotation and torque up to 9kNm (friction 5kN + make up torque 4kN)
14:00	14:30	0:30	CSG	Pump SW with 400gpm x 0.4Mpa. Confirm CMT stinger seal integrity. (Observe no flow from screen and jetting from shoe by ROV)
14:30	18:45	4:15	CSG	Run 9-5/8"casing with running string to 1700m Wt CSG+Innerstring : Reading from Hookload: 525kN / Calculation Wt: 523kN
				10stands(No.16-25) of S140, 20stands of S150 (lay down double from No.2 stand), 6m pup joint
				Install wear bushing into upper guide horn after running S140 stand No.18. (14:45-15:30)
				Fill up string every 10 stands.
				Start drifting downstream with 1kt of ground speed @ 16:45
18:45	0:00	5:15	Other	Drift vessel to wellsite at 1kt (ground speed)
				Meanwhile drill crew carry out PM job on drilling equipment and service HPS.
				Drifting Situation @ 24:00
				Vessel position: 5.9mile from well location
				Current speed: 3.4kt
				Drift speed: 1.0kt (grand speed)

TIME BREAKDOWN (00:00 - 06:00 on 15-Aug) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	6:00	6:00	Other	Continue to drift vessel to wellsite 9-5/8"csg at 1knots / 1700mBRT
4:15	4:30	0:15	Other	Increased drift speed to 1.2knots
4:30	5:00	0:30	CSG	RIH w/9-5/8" CSG at 1.2knots from 1700 to 1900mBRT
5:00	5:30	0:30	Other	Continue to drift vessel to wellsite 9-5/8"csg at 1.2knots / 1900mBRT 0.5miles away
5:30	6:00	0:30	Other	Dive ROV at 1.5miles away with drifting

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	TFA (in^2)	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Bit Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP

BHA RECORD / CORE BARREL TYPE

String Wt.(kN)	@1700 mBRT
String total w/ HPS&TB	1638
Pick up Weight w/ HPS&TB	
Slack off weight w/ HPS&TB	
HPS & Traveling Block	700
BHA below Jar	

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.	WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	Content(%) W	Content(%) S	Sand %	PPG	MBC	n	K	Temp In	Temp Out	Dilution rate
SWG	14:00		1.04	121																				

Pre-hy / SW gel (m3)	
SW gel	48
USED Swgel	259
Prehygel	102

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/146	#5	10	165/145
#3	10	165/145	#6	10	165/145

	Desander	Mud cleaner	Centrifuge
#1	off	off	off
#2	off	off	off
#3			off

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.	Generated Vol.	Daily	Total
Treatment Vol.(m3)	102	1,041	0	Distilled Water	161	1,637
Evaporated Wtr Vol.(m3)	161	1,637	0	Big -Bag	6	32

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Mpa)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP	ECD @ shoe
1	6	70					
2	6						
3	6	70					

Mud Gas

Base (%)	Max. (%)	Depth (m)
Trip Gas		—
Conn. Gas		—

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	148,900
Kingie-VO (Bulk)	0	0	36,900
NaOH	0	0	4,825
KOH	0	0	150
Lime	0	0	5,550
Soda Ash	0	0	1,600
Tel-Polymer(H)	0	0	660
Tel-Polymer(L)	0	0	1,160
Tel-Polymer DX	0	0	240
XCD-Polymer	0	0	950
Xian-Vis	0	0	575
NaCl (Bag)	0	0	20,000
KCL (Bag)	0	0	4,000
Clean Lube (L)	0	BL5000	0
Clean Lube	0	BL8000	0
Tel-DD	0	BL600	0
Lignite NC	0	0	3,600
Telnite GXL	0	18	432
Speeder (P)	0	0	1,700
Treat HS	0	0	1,340
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0 / 0	0 / 0	0 / 0
Baracor	0	165	55
Telnite OS-5	345	0	30
TAN CAL M/F	0/0	0/0	3390/3360

HELICOPTER INFORMATION (JA9616)

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	9:13	9:19	3	4
2	11:42	11:48	6	4
3	14:32	14:42	0	6
4				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Pre.	
Kick Tolerance	

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

PERSONNEL @24:00

CDEX	4
MQJ Crew	88
MQJ(Other)	2
MWJ	14
Scientist	14
Sub Con.	
SLB W/L	0
SLB MWD	0
SLB CMT	3
BOT	1
WF	2
ROV	6
Telnite	1
Telnite(waste mud)	5
NOV	1
Vetco Gray	1
Vendors	0
Others	2
Total	144

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

GEOLOGIC INFORMATION

From	To	Lithology

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	101	92	308
Potable Water m3	0	4	192
Drill Water m3	60	0	1,069
Fuel m3	0	51.2	3,813.9
Lube, Oil Ltrs	0	500	49,400
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	7.6
Cement "DEEP CRETE" ton	0	0	12.5
Cement "LWC" ton	0	0	50.7

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Chikyu		
Kaiko drifting 2mile ahead of Chikyu @24:00			
Heisei Maru	Chikyu		

Heave (m)	0.2
Pitch (deg)	0.3
Roll (deg)	0.1
Swell (m)	1.1
Vessel Heading (deg)	276
Drift (m)	-
Riser Tension (kN)	-
V.D. Load (Moon)	10,959.7
Max Draught (m)	9.10
Thruster (kW)	1,576
No. of transponders	5
Engine output(kW)	5,200
	P:31%, S:20%

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(kts)	CURRENT Dir. (deg)	VISIBILITY (km)
0:00	~	27	27.8	1010.2	6.5	28	7.3	1.1	60	6.7	3.4	104	20

TODAY'S SCHEDULE : **Drift vessel to wellhead / Stab in Wellhead / Land HGR / Cementing**

REPORTED BY : T.Saruhashi / Y.Kawano
APPROVED BY : I. Sawada

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02 | **REPORT No. :** 98

HOLE NAME :	C0010A	**SITE NAME :**	NT2-01J	**Exp. :**	319	**REPORT DATE :**	16/Aug/2009
@24:00	3,107.0 mBRT	555.0 mbsf	PROGRESS : -	Water Depth : 2,552.0 mBRT (2523.7mMSL)	RT-MSL : 28.3 m	SINCE MOVE :	96
@06:00	3,107.0 mBRT	555.0 mbsf	-	DRILLING/CORING Hrs. : - hrs	LAST CASING : 9-5/8" x	544.3 mbsf	

SUMMARY OF OPERATION: **RIH with 9-5/8"CSG / Cementing / POOH**

PRESENT OPERATION @06:00 on 16-Aug : **Lay down HGR RT.**

mBRT: meter below rotary table
mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on 15-Aug)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	4:15	4:15	Other	Continue to drift vessel to wellsite 9-5/8"csg at 1knots / 1700mBRT
4:15	4:30	0:15	Other	Increased drift speed to 1.2knots
4:30	5:00	0:30	CSG	RIH w/9-5/8" CSG at 1.2knots from 1700 to 1900mBRT.
5:00	5:30	0:30	Other	Continue to drift vessel to wellsite 9-5/8"csg at 1.2knots / 1900mBRT. 0.5miles away
5:30	6:00	0:30	Other	Dive ROV at 0.5miles away with drifting.
6:00	6:30	0:30	CSG	Contiue to move to 10m offset of well center while running CSG fom 1900m to 1928mBRT
6:30	7:30	1:00	CSG	Continue to run CSG from 1928mBRT to 2500mBRT
7:30	10:00	2:30	Other(N)	Found single broken strand on ROV umbirical line. Temporary repair with clamp. Lower ROV to 2500mWD.
10:00	11:30	1:30	CSG	Move vessel to align CSG shoe to well center and stab in wellhead. (string depth changed 2.5m) RIH to 2584mBRT
11:30	12:30	1:00	CSG	PU CSGHGR RT with pup joint and break pup joint and MU same on string for adjusting spare out for landing CSG.
12:30	14:45	2:15	CSG	Continue to RIH w/9-5/8"CSG from 2585mBRT to 3083mBRT
				Break circulation @2700mBRT, 2900mBRT Take weight 100kN-150kN at 2793-2799mBRT, 2877-2889mBRT, 2965-2973mBRT, 3022-3025mBRT
14:45	15:00	0:15	CSG	Pick up CMTG stand. Hook up CMTG hose and make up to string. Engage HPS. Pick up weight : 2150kN, Open CMC
15:00	15:15	0:15	CSG	Land casing hanger onto wellhead
				Slack off 350kN, WHO: 1800kN
15:15	16:15	1:00	CSG	Circulation sae water 500gpm x 6.2-7.1Mpa. Confirm return from wellhead.
				Meanwhile hold TBRA for 9-5/8"casing CMTG
16:15	16:30	0:15	CSG	Flush CMTG line with 10bbl SW by CMT unit
16:30	17:45	1:15	CSG	Perform pressure test on CMTG line. 3,000psi x 10min
17:45	19:00	1:15	CSG	Pump sea water (mixed with corrosion inhibitor) 29m3 500gpm x 7.1Mpa, 700gpm x 11.1Mpa Observe no return.
				Pump kill mud (1.30sg) 5m3 and displace with sea water 31m3. Still no return. Make decision to conduct CMTG operation
19:00	20:45	1:45	CSG	Pump Mud Push 38bbl by CMT unit
				Mix and pump CMT slurry 28.1bbl (DeepCRETE, 1.50sg) @4.1bpm
				Displace sea water 1.4bbl by CMT unit
				Open TIW valve on the CMTG stand and drop wiper plug.
				Displace sea water by CMT unit @ 8.0bpm. Observe partial return.
				Pump 10bbl through HPS. Switch line and pump 195.4bbl through CMTG hose. Total 205.4bbl. Observe no indication of plug landing.
				bleed off pressure and take flow back 0.4bbl.
20:45	21:00	0:15	CSG	Release HGRRT from 9-5/8"casing hanger
				Rotate to the right 4turns at the tool with WHO 1730kN (slack off casing weight and inner string weight below bumper sub)
21:00	22:45	1:45	CSG	POOH above wellhead.
				Move vessel 10m offset well.
22:45	23:30	0:45	CSG	Drop sponge ball and pump sea water 52.2m3(twice volume of string capacity) @1000gpm
23:30	0:00	0:30	CSG	Resume POOH from 2531mBRT to 2330mBRT

TIME BREAKDOWN (00:00 - 06:00 on 16-Aug) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	6:00	6:00	CSG	POOH from 2330mBRT to 526mBRT. Lay down HGR RT
				Meanwhile repaire broken strand of ROV umbilical at 1930mWD

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	TFA (in^2)	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Bit Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP

BHA RECORD / CORE BARREL TYPE

String Wt.(kN) @3096 mBRT

String total w/ HPS&TB	2130
Pick up Weight w/ HPS&TB	2150
Slack off weight w/ HPS&TB	2040
HPS & Traveling Block	700
BHA below Jar	-

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.	WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	Content(%) W	Content(%) S	Sand %	PPG	MBC	n	K	Temp In	Temp Out	Dilution rate
SWG	11:00		1.04	118																				

Pre-hy / SW gel (m3)	
SW gel	48
USED Swgel	259
Prehygel	102

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/146	#5	10	165/145
#3	10	165/145	#6	10	165/145

	Desander	Mud cleaner	Centrifuge
#1	off	off	off
#2	off	off	off
#3			off

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.	Generated Vol.	Daily	Total
Treatment Vol.(m3)	102	1,041	0	Distilled Water	161	1,637
Evaporated Wtr Vol.(m3)	161	1,637	0	Big -Bag	6	32

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Mpa)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP	ECD @ shoe
1	6	70					
2	6						
3	6	70					

Mud Gas

Base (%)	Max. (%)	Depth (m)
Trip Gas		–
Conn. Gas		–

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	2,500	146,400
Kingie-VO (Bulk)	0	0	36,900
NaOH	0	0	4,825
KOH	0	0	150
Lime	0	0	5,550
Soda Ash	0	BL1600	0
Tel-Polymer(H)	0	BL660	0
Tel-Polymer(L)	0	0	1,160
Tel-Polymer DX	0	BL240	240
XCD-Polymer	0	0	950
Xian-Vis	0	BL575	0
NaCl (Bag)	0	0	20,000
KCL (Bag)	0	0	4,000
Clean Lube (L)	0	0	0
Clean Lube	0	0	0
Tel-DD	0	0	0
Lignite NC	0	BL3600	0
Telnite GXL	0	0	432
Speeder (P)	0	0	1,700
Treat HS	0	0	1,340
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0 / 0	0 / 0	0 / 0
Baracor	0	165	55
Telnite OS-5	345	0	30
TAN CAL M/F	0/0	0/0	3390/3380

HELICOPTER INFORMATION (JA9616)

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1				
2				
3				
4				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

Max. Allow CSG Pre.	
Kick Tolerance	

KICK TOLERANCE

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

GEOLOGIC INFORMATION

From	To	Lithology

PERSONNEL @24:00

CDEX	4
MQJ Crew	88
MQJ(Other)	2
MWJ	14
Scientist	14
Sub Con.	
SLB W/L	0
SLB MWD	0
SLB CMT	3
BOT	1
WF	2
ROV	6
Telnite	1
Telnite(waste mud)	5
NOV	1
Vetco Gray	1
Vendors	0
Others	2
Total	144

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Chikyu		
Heisei Maru	Shinqu		12:00

Heave (m)	0.2
Pitch (deg)	0.3
Roll (deg)	0.3
Swell	1.2
Vessel Heading (deg)	288
Drift (m)	0.3
Riser Tension (kN)	-
V.D. Load (Moon)	10,811.0
Max Draught (m)	9.11
Thruster (kW)	2,530
No. of transponders	5
Engine output(kW)	5,700
	P:29%, S:28%

MATERIALS STOCK on BOARD @24:00

Item		RECEIVED	USED	STOCK
Fresh Water	m3	7	89	226
Potable Water	m3	0	4	188
Drill Water	m3	111	0	1,180
Fuel	m3	0	52.3	3,716.6
Lube, Oil	Ltrs	0	0	49,400
Heli Fuel	Ltrs	0	0	0
Cement "G"	ton	0	0	7.6
Cement "DEEP CRETE"	ton	0	0	6
Cement "LWC"	ton	0	0	50.7

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(kts)	CURRENT Dir. (deg)	VISIBILITY (km)
0:00	hc	26	29.2	1013.8	9.6	86	10.4	1.2	80	7.1	4.6	103	20

TODAY'S SCHEDULE : **Move vessel to upstream / Run 8-1/2" BHA**

REPORTED BY : T.Saruhashi / Y.Kawano
APPROVED BY : I. Sawada

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 99

HOLE NAME :	C0010A	**SITE NAME :**	NT2-01J	**Exp. :**	319	**REPORT DATE :**	17/Aug/2009		
@24:00	3,107.0 mBRT	555.0 mbsf	PROGRESS : -	Water Depth :	2,552.0 mBRT (2523.7mMSL)	RT-MSL :	28.3 m	SINCE MOVE :	97
@06:00	3,107.0 mBRT	555.0 mbsf	-	DRILLING/CORING Hrs. :	- hrs	LAST CASING :	9-5/8" x 544.3 mbsf		

SUMMARY OF OPERATION

PRESENT OPERATION @06:00 on 17-Aug : RIH with 9-5/8"CSG / Cementing / POOH

TIME BREAKDOWN (00:00 - 24:00 on 16-Aug) Run Scraper assembly

mBRT: meter below rotary table
mbsf: : meter below sea floor

From	To	Hrs	Code	DETAIL of OPERATION
0:00	3:45	6:00	Trip	POOH from 2330mBRT to 633mBRT.
				Meanwhile repair broken strand of ROV umbilical at 1930mWD.
3:45	7:30	3:45	Trip	Remove guide horn wear bushing and continue POOH to 292m.
				Lay out HGRRT
7:30	8:45	1:15	Trip	Attempt to close bumper sub w/25ton slack off unsuccessfully, Lay out same in open position
8:45	9:30	0:45	Trip	Continue POOH, Lay out CMTG stinger No damage on O-rings
9:30	11:15	1:45	Trip	Pick up and break out CMTG stand. Find wiper plug stuck above lower TIW valve
11:15	11:45	0:30	Trip	Install guide horn wear bushing
11:45	12:00	0:15	Other	Tidy up drill floor and prepare to pick up 6-3/4"DC
12:00	12:15	0:15	Other	Hold TBRA to make up 6-3/4"DC stand
12:15	15:30	3:15	Other	Pick up 12joints of 6-3/4"DC and rack back same.
15:30	0:00	8:30	Other	Move vessel to low current area
				Arrive @ 16:30 *1mile North-West from well location, current speed :2.9kt
				Loading operation with KAIKO
				Drill crew carry routine planned maintenance
				Troubleshoot re-occurring DCIS Mis-Match fault
				Replace faulty finger board and belly board positons
				Install P-Quip modification to No.2 Rig pump
				Complete loading @23:30 Start drifting to repair broken strand of ROV umbilical at 500mWD

9-5/8"casing cementing consumption (15-Aug)

D175	Deformer	6	gal
D193	Fluid loss control	30	gal
D185	LT displacement	30	gal
D186	Cement enhancer	33	gal
D182	Mudpush Ⅱ	200	lbs
Dye	Fluorescein dyd	5	kg
Cement	DeepCRETE	8.8	ton

TIME BREAKDOWN (00:00 - 06:00 on 17-Aug) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	2:30	2:30	Other	Continue to repair broken strand of ROV umbilical while drifting at 0.5kt (continue with maintenance and house keeping at drill floor)
				ROV on deck @2:00
2:30	4:00	1:30	Other	Move vessel to 7 mile from well location.
4:00	6:00	2:00	Trip	RIH 9-5/8" Scraper assembly to 537m drifting at 1kt.

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	TFA (in^2)	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Bit Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP
	8-1/2"	TIX	MS	121	60903	Open																		

BHA RECORD / CORE BARREL TYPE

No.3 8-1/2"bit x 9-5/8"CSG scraper x Bit sub w/float x XO x 6-3/4"DC(12) x XO x S140(25) x XO x S150

String Wt.(kN)	mBRT
String total w/ HPS&TB	
Pick up Weight w/ HPS&TB	
Slack off weight w/ HPS&TB	
HPS & Traveling Block	700
BHA below Jar	-

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.	WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	Content(%) W	Content(%) S	Sand %	PPG	MBC	n	K	Temp In	Temp Out	Dilution rate
SWG	14:00		1.04	120																				

Pre-hy / SW gel (m3)	
SW gel	48
USED Swgel	259
Prehygel	102

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/146	#5	10	165/145
#3	10	165/145	#6	10	165/145

	Desander	Mud cleaner	Centrifuge
#1	off	off	off
#2	off	off	off
#3			off

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.	Generated Vol.	Daily	Total
Treatment Vol.(m3)	61	1,155	0	Distilled Water	94	1,804
Evaporated Wtr Vol.(m3)	94	1,804	0	Big -Bag	5	45

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Mpa)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP	ECD @ shoe
1	6						
2	6						
3	6						

Mud Gas

Base (%)	Max. (%)	Depth (m)
Trip Gas		–
Conn. Gas		–

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	2,500	146,400
Kingie-VO (Bulk)	0	0	36,900
NaOH	0	0	4,825
KOH	0	0	150
Lime	0	0	5,550
Soda Ash	0	BL1600	0
Tel-Polymer(H)	0	BL660	0
Tel-Polymer(L)	0	0	1,160
Tel-Polymer DX	0	BL240	240
XCD-Polymer	0	0	950
Xian-Vis	0	BL575	0
NaCl (Bag)	0	0	20,000
KCL (Bag)	0	0	4,000
Clean Lube (L)	0	0	0
Clean Lube	0	0	0
Tel-DD	0	0	0
Lignite NC	0	BL3600	0
Telnite GXL	0	0	432
Speeder (P)	0	0	1,700
Treat HS	0	0	1,340
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0 / 0	0 / 0	0 / 0
Baracor	0	165	55
Telnite OS-5	345	0	30
TAN CAL M/F	0/0	0/0	3390/3360

HELICOPTER INFORMATION (JA9616)

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	9:20	9:26	1	6
2				
3				
4				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Pre.	
Kick Tolerance	

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

Conduct ship security drill

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

PERSONNEL @24:00

CDEX	4
MQJ Crew	88
MQJ(Other)	2
MWJ	14
Scientist	14
Sub Con.	
SLB WIL	0
SLB MWD	0
SLB CMT	1
BOT	1
WF	0
ROV	6
Telnite	1
Telnite(waste mud)	5
NOV	1
Vetco Gray	0
Vendors	0
Others	2
Total	139

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Chikyu		
Heisei Maru	Chikyu	20:00	

Heave (m)	0.2
Pitch (deg)	0.6
Roll (deg)	0.2
Swell	1.1
Vessel Heading (deg)	280
Drift (m)	0.4
Riser Tension (kN)	-
V.D. Load (Moon)	10,797.6
Max Draught (m)	9.09
Thruster (kW)	1,298
No. of transponders	5
Engine output(kW)	5,600
	P:30%, S:29%

GEOLOGIC INFORMATION

From	To	Lithology

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	94	78	242
Potable Water m3	0	3	185
Drill Water m3	42	0	1,222
Fuel m3	0	55.5	3,706.1
Lube, Oil Ltrs	0	2000	47,400
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	7.6
Cement "DEEP CRETE" ton	0	0	3
Cement "LWC" ton	0	0	50.7

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(kts)	CURRENT Dir. (deg)	VISIBILITY (km)
0:00	hr:	25	27	1014.8	10.0	69	10.3	1.1	60	7.3	1.1	87	20

TODAY'S SCHEDULE : RIH scraper assemnbly, POOH , Make up & run dummy run assemnbly

REPORTED BY : Y.Kawano / Y.Masumoto

APPROVED BY : I. Sawada

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 100

HOLE NAME :	C0010A	**SITE NAME :**	NT2-01J	**Exp. :**	319			**REPORT DATE :**	18/Aug/2009		
@24:00	3,107.0 mBRT	555.0 mbsf	PROGRESS : -	Water Depth :	2,552.0 mBRT (2523.7mMSL)	RT-MSL :	28.3 m	SINCE MOVE :	98		
@06:00	3,107.0 mBRT	555.0 mbsf	-	DRILLING/CORING Hrs. :	- hrs	LAST CASING :	9-5/8" x	544.3 mbsf			

SUMMARY OF OPERATION: **RIH & scrape 9-5/8"casing, POOH, Move to low current area, make up drill pipe stand and prepare for dummy run**

PRESENT OPERATION @06:00 on 18-Aug : **Prepare for dummy run**

mBRT: meter below rotary table
mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on 17-Aug)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	2:30	2:30	Other	Continue to repair broken strand of ROV umbilical @546m while drifting at 0.5kt, ROV on deck @2:00
				Rig crew continue with maintenance and house keeping at drill floor
2:30	4:00	1:30	Other	Move vessel to 7 mile from well location at 2.0kt.
4:00	10:00	6:00	Trip	RIH 9-5/8" Scraper assembly to 1700m drifting at 1kt. Launch ROV @10:00
10:00	11:15	1:15	Other	Drift vessel to 1mile from well location at 1kt
11:15	12:15	1:00	Trip	Run BHA to 20m above wellhead
12:00	12:45	0:45	Other	Adjust vessel position. Reenter wellhead @12:38
12:45	14:00	1:15	Trip	Continue RIH and tag on F/Collar @3073.5m(Drill Pipe length), No drag on screen pipe.
14:00	14:45	0:45	C&C	Circulation bottom up 700gpm x 10Mpa
				Drop Churchill drift gauge and chase with 300gpm x 0.6Mpa. Confirm gauge landing with pressure increase to 3.1Mpa
				(Drift all S140 and #1-52 S150)
14:45	21:00	6:15	Trip	POOH to surface.
				Scrape 2930-2900m two times. No overpull inside casing.
				Drift vessel at 1kt.
				17:00-20:45 Repair broken strand of ROV umbilical @1370m
21:00	21:45	0:45	Other	Tidy up rig floor. Hold TBRA for pick up TBG
				ROV on deck and commence sailing to low current area @21:30
21:45	0:00	2:15	Other	Rig up 3-1/2"TBG handling tools.
				Make up 3-1/2"TBG(12.7ppf,VAM TOP) quad stand
				KAIKO carry out current survey 12:00-17:30. Release KAIKO @24:00
				Telnite crew clean up waste mud treatment system

TIME BREAKDOWN (00:00 - 06:00 on 18-Aug) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	1:00	1:00	Other	Rack back TBG stand with #2Hydraracker and secure same.
1:00	2:30	1:30	Other	Perform inspection on derrick and HPS.
2:30	5:30	3:00	Other	Hold TBRA. Pick up 6stands of S140 5"drill pipe and rack back.
				Vessel arrive at low current area, 19.5mile from well location. @4:45 Current speed :1kt.
5:30	6:00	0:30	Other	Change out elevator insert. Tidy up drill floor and prepare to run dummy assembly

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	TFA (in^2)	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Bit Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP
3	8-1/2"	TIX	MS	121	60903	Open											0	0	No		x	I	No	BHA

BHA RECORD / CORE BARREL TYPE

No.3	8-1/2"bit x 9-5/8"CSG scraper x Bit sub w/float x XO x 6-3/4"DC(12) x XO x S140(25) x XO x S150

String Wt.(kN)	mBRT
String total w/ HPS&TB	
Pick up Weight w/ HPS&TB	
Slack off weight w/ HPS&TB	
HPS & Traveling Block	700
BHA below Jar	-

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.	WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	W	S	Sand %	PPG	MBC	n	K	Temp In	Out	Dilution rate
SWG	14:00		1.04	120																				

Pre-hy / SW gel (m3)	
SW gel	48
USED Swgel	259
Prehygel	102

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/146	#5	10	165/145
#3	10	165/145	#6	10	165/145

	Desander	Mud cleaner	Centrifuge
#1	off	off	off
#2	off	off	off
#3			off

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.	Generated Vol.	Daily	Total
Treatment Vol.(m3)	0	1,155	0	Distilled Water	0	1,804
Evaporated Wtr Vol.(m3)	0	1,804	0	Big -Bag	3	48

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Mpa)	Ann. Vel. (m/min) DC	DP	ECD @ shoe
1	6						
2	6						
3	6						

Mud Gas

Base (%)	Max. (%)	Depth (m)
Trip Gas		–
Conn. Gas		–

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	2,500	146,400
Kingie-VO (Bulk)	0	0	36,900
NaOH	0	0	4,825
KOH	0	0	150
Lime	0	0	5,550
Soda Ash	0	BL1600	0
Tel-Polymer(H)	0	BL660	0
Tel-Polymer(L)	0	0	1,160
Tel-Polymer DX	0	BL240	240
XCD-Polymer	0	0	950
Xian-Vis	0	BL575	0
NaCl (Bag)	0	0	20,000
KCL (Bag)	0	0	4,000
Clean Lube (L)	0	0	0
Clean Lube	0	0	0
Tel-DD	0	0	0
Lignite NC	0	BL3600	0
Telnite GXL	0	0	432
Speeder (P)	0	0	1,700
Treat HS	0	0	1,340
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0 / 0	0 / 0	0 / 0
Baracor	0	165	55
Telnite OS-5	345	0	30
TAN CAL M/F	0/0	0/0	3390/3360

HELICOPTER INFORMATION (JA9616)

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	9:32	9:37	3	1
2	14:33	14:38	0	2
3				
4				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Pre.	
Kick Tolerance	

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

PERSONNEL @24:00

CDEX	5
MQJ Crew	87
MQJ(Other)	2
MWJ	14
Scientist	14
Sub Con.	
SLB W/L	0
SLB MWD	0
SLB CMT	1
BOT	1
WF	0
ROV	6
Telnite	1
Telnite(waste mud)	5
NOV	1
Vetco Gray	0
Vendors	0
Others	2
Total	139

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Chikyu		24:00
Heisei Maru	Chikyu		

Heave (m)	4.0
Pitch (deg)	0.7
Roll (deg)	0.4
Swell	1.8
Vessel Heading (deg)	312
Drift (m)	Moving
Riser Tension (kN)	-
V.D. Load (Moon)	10,747.4
Max Draught (m)	9.14
Thruster (kW)	3,500
No. of transponders	5
Engine output(kW)	7,900
	P:41%, S:38%

GEOLOGIC INFORMATION

From	To	Lithology

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	94	91	245
Potable Water m3	0	4	181
Drill Water m3	42	0	1,222
Fuel m3	0	47	3,659.1
Lube, Oil Ltrs	0	0	47,400
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	7.6
Cement "DEEP CRETE" ton	0	0	3
Cement "LWC" ton	0	0	50.7

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(kts)	CURRENT Dir. (deg)	VISIBILITY (km)
0:00	hc	25	27.6	1015.8	14.1	88	14.7	1.8	90	9	4.4	102	18

TODAY'S SCHEDULE : **Conduct dummy run.**

REPORTED BY : Y.Kawano / Y.Masumoto
APPROVED BY : I. Sawada

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 101

HOLE NAME :	C0010A	**SITE NAME :**	NT2-01J	**Exp. :**	319	**REPORT DATE :**	19/Aug/2009
@24:00	3,107.0 mBRT	555.0 mbsf	PROGRESS : -	Water Depth :	2,552.0 mBRT (2523.7mMSL)	RT-MSL : 28.3 m	SINCE MOVE : 99
@06:00	3,107.0 mBRT	555.0 mbsf	-	DRILLING/CORING Hrs. :	- hrs	LAST CASING : 9-5/8" x 544.3 mbsf	

SUMMARY OF OPERATION: **Prepare for dummy run, Make up and RIH Dummy BHA to 1700m, Drift to well location**

PRESENT OPERATION @06:00 on 19-Aug : **Drift to well location**

TIME BREAKDOWN (00:00 - 24:00 on 18-Aug)

mBRT: meter below rotary table
mbsf: : meter below sea floor

From	To	Hrs	Code	DETAIL of OPERATION
0:00	1:00	1:00	Other	Rack back TBG stand with #2Hydraracker and secure same.
1:00	2:30	1:30	Other	Perform inspection on derrick and HPS.
2:30	5:30	3:00	Other	Hold TBRA. Pick up 6stands of S140 5"drill pipe and rack back.
				Vessel arrive at low current area. 19.5miles from well location. @4:45 Current speed :1kt.
5:30	7:00	1:30	Other	Change out elevator insert. Tidy up drill floor and prepare to run dummy assembly
7:00	9:30	2:30	Trip	Run 3-1/2"TBG 7jts to 66mBRT to check string vibration at various depth.
				Observe string vibration around 51mBRT (123mbelow sea level).
9:30	10:15	0:45	Trip	Lay out 3-1/2"TBG 3joints(EUE) and rack back 1stand(VAM TOP).
10:15	12:00	1:45	Trip	Run 3-1/2"TBG(EUE) Pup joint and 2jts of singles. Install data logger into the Pup joint with gauge carrier.
12:00	12:15	0:15	Trip	Hold TBRA for dummy run
12:15	14:45	2:30	Trip	Remove guide horn wear bushing
				Pick up and connect Strainmeter, Instrument Carrier assembly and 3-1/2"TBG(VAM TOP) quad stand
14:45	15:00	0:15	Trip	Change elevator inserts to handle 5 1/2" S-140 d/p.
15:00	15:15	0:15	Trip	Run Dummy BHA with 3stands of S-140 to 188m. Engage HPS.
15:15	16:00	0:45	C&C	Break circulation with sea water. 400spm x 0.6 MPa, 60spm x 2.6Mpa, 80spm x 4.6Mpa. Install Guide Horn W/B.
				Install guide horn wear bushing
16:00	17:30	1:30	Trip	Continue RIH Dummy BHA to1022m. Commence drifting vessel to well location @ 17:35Hrs.
17:30	17:45	0:15	Trip	Change elevator inserts to handle 5 1/2" S-140 d/p.
17:45	18:45	1:00	Trip	Continue RIH Dummy BHA to 1700m drifting vessel @1.0 Knot.
18:45	0:00	5:15	Other	Drift vessel to well location @1kt.
				Drill crew perform routine maintenance and housekeeping duties.
				Vessel position: 14miles from well location @24:00
				KAIKO arrive at Chikyu @22:30 and drift along Chikyu

TIME BREAKDOWN (00:00 - 06:00 on 19-Aug) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	6:00	6:00	Other	Continue drifting vessel @1kt
				Vessel position: 9miles from well location @6:00
				4:45 KAIKO leave Chikyu to retrieve OBS

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	TFA (in^2)	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Bit Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP

BHA RECORD / CORE BARREL TYPE

Dummy run	3-1/2"TBG(EUE) P/J w/data logger x 3-1/2"TBG(EUE) 2jts x 3-1/2"TBG(EUE) P/J x Strainmeter x Instrument Carrier x 3-1/2"TBG(EUE) P/J x XO x 3-1/2"TBG(VAM TOP) 4jts x XO x S140 25stands

String Wt.(kN) mBRT

String total w/ HPS&TB	
Pick up Weight w/ HPS&TB	
Slack off weight w/ HPS&TB	
HPS & Traveling Block	700
BHA below Jar	-

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.	WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	W	S	Sand %	PPG	MBC	n	K	Temp In	Out	Dilution rate
Pre-Hy	15:10		1.06	300																				

Pre-hy / SW gel (m3)	
SW gel	48
USED Swgel	259
Prehygel	102

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/146	#5	10	165/145
#3	10	165/145	#6	10	165/145

	Desander	Mud cleaner	Centrifuge
#1	off	off	off
#2	off	off	off
#3			off

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.	Generated Vol.	Daily	Total
Treatment Vol.(m3)	0	1,155	0	Distilled Water	0	1,804
Evaporated Wtr Vol.(m3)	0	1,804	0	Big -Bag	3	48

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Mpa)	Ann. Vel. (m/min) DC	DP	ECD @ shoe
1	6						
2	6						
3	6						

Mud Gas

	Base (%)	Max. (%)	Depth (m)
Trip Gas			--
Conn. Gas			--

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	146,400
Kingie-VO (Bulk)	0	17,900	19,000
NaOH	0	0	4,375
KOH	0	0	150
Lime	0	0	5,550
Soda Ash	0	0	0
Tel-Polymer(H)	0	0	0
Tel-Polymer(L)	0	0	1,160
Tel-Polymer DX	0	0	0
XCD-Polymer	0	0	950
Xian-Vis	0	0	0
NaCl (Bag)	0	0	20,000
KCL (Bag)	0	0	4,000
Clean Lube (L)	0	0	0
Clean Lube	0	0	0
Tel-DD	0	0	0
Liqnite NC	0	0	0
Telnite GXL	0	0	432
Speeder (P)	0	0	1,700
Treat HS	0	0	1,340
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0 / 0	0 / 0	0 / 0
Baracor	0	0	55
Telnite OS-5	0	0	30
TAN CAL M/F	0/0	0/0	0/0

HELICOPTER INFORMATION (JA9616)

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	9:13	9:16	1	0
2				
3				
4				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

KICK TOLERANCE

Max. Allow CSG Pre.	
Kick Tolerance	

PERSONNEL @24:00

CDEX	5
MQJ Crew	88
MQJ(Other)	2
MWJ	14
Scientist	14
Sub Con.	
SLB W/L	0
SLB MWD	0
SLB CMT	1
BOT	1
WF	0
ROV	6
Telnite	1
Telnite(waste mud)	5
NOV	1
Vetco Grav	0
Vendors	0
Others	2
Total	140

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

GEOLOGIC INFORMATION

From	To	Lithology

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Chikyu	22:30	
Heisei Maru	Shinqu		17:00

Heave (m)	0.3
Pitch (deg)	0.9
Roll (deg)	0.4
Swell	1.8
Vessel Heading (deg)	270
Drift (m)	Moving
Riser Tension (kN)	-
V.D. Load (Moon)	10,814.6
Max Draught (m)	8.93
Thruster (kW)	700
No. of transponders	5
Engine output(kW)	5,000
	P:28%, S:20%

MATERIALS STOCK on BOARD @24:00

Item		RECEIVED	USED	STOCK
Fresh Water	m3	98	71	272
Potable Water	m3	0	2	179
Drill Water	m3	0	128	1,094
Fuel	m3	0	47.4	3,611.7
Lube, Oil	Ltrs	0	0	47,400
Heli Fuel	Ltrs	0	0	0
Cement "G"	ton	0	0	7.6
Cement "DEEP CRETE"	ton	0	0	3
Cement "LWC"	ton	0	0	50.7

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(kts)	CURRENT Dir. (deg)	VISIBILITY (km)
0:00	A	25.5	27.1	1015.8	13.3	55	13.8	1.6	70	7.8	1.4	109	20

TODAY'S SCHEDULE : **Drift to well location, Dummy run**

REPORTED BY : Y.Kawano / Y.Masumoto

APPROVED BY : I. Sawada

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 102

HOLE NAME :	C0010A	**SITE NAME :**	NT2-01J	**Exp. :**	319	**REPORT DATE :**	20/Aug/2009
@24:00	3,107.0 mBRT	555.0 mbsf	PROGRESS : -	Water Depth : 2,552.0 mBRT (2523.7mMSL)	RT-MSL : 28.3 m	SINCE MOVE :	100
@06:00	3,107.0 mBRT	555.0 mbsf	-	DRILLING/CORING Hrs. : - hrs	LAST CASING : 9-5/8" x	544.3 mbsf	

SUMMARY OF OPERATION: **Drift vessel, Suspend drifting due to high current, POOH Dummy BHA**

PRESENT OPERATION @06:00 on 20-Aug : **Checking and repairing Accelerometer-Tilt meter.**

mBRT: meter below rotary table
mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on 19-Aug)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	9:15	9:15	Other	Continue drifting vessel @1kt
				Current speed 4.7kt 4mile from Well Location @9:00
				Suspend drifting as current speed exceed ROV launching criteria.
				Hold vessel position until current reduces.
9:15	13:45	4:30	Other	KAIKO suspend retrieving OBS and commence current survey @11:00
				Decision made to move vessel to low carrunet area 5 miles North of Location @ 0.9 kt.
13:45	19:30	5:45	Other	Vessel move to low current area.
19:30	20:45	1:15	Other	Launch ROV & locate dummy BHA. Observe BHA below instrument carrier (total 26m) and seismometer on instrument carrier lost to sea
20:45	21:45	1:00	Other	Decision made POOH. Perform post high vibration inspection on HPS. Recover ROV to surface.
21:45	23:00	1:15	Trip	POOH with Dummy BHA from 1700mBRT to 1000mBRT. Vessel move from 22:00 hrs @ 0.4 kt North of location.
23:00	23:15	0:15	Trip	Change the insert on Hydraulic elevator from S150 5-1/2" to S140 5-1/2".
23:15	0:00	0:45	Trip	Continue to POOH with Dummy BHA to 471m.

TIME BREAKDOWN (00:00 - 06:00 on 20-Aug) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	1:15	1:15	Other	Continue POOH with Dummy BHA to surface.
				Find the thread of top flange of Seismometer was teared off.
1:15	2:30	1:15	Other	Remove Sensors(Accelerometer and Tiltmeter) from instrument carrier and check same.
				Meawhile perform post vibration check on guide horn and derrick, and service travelling dolly.
2:30	6:00	3:30	Other	Continue checking and repairing Accelerometer and Tilt meter.
				Meanwhile make up 2 joints of 3-1/2"TBG (1 x EUE, 1 x VAM TOP) for Dummy BHA tail pipe.
				Lost BHA: 3-1/2"TBG(EUE) P/J w/data logger x 3-1/2"TBG(EUE) 2jts x 3-1/2"TBG(EUE) P/J x Strainmeter

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	TFA (in^2)	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Bit Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP

BHA RECORD / CORE BARREL TYPE

Dummy run	3-1/2"TBG(EUE) P/J w/data logger x 3-1/2"TBG(EUE) 2jts x 3-1/2"TBG(EUE) P/J x Strainmeter x Instrument Carrier x 3-1/2"TBG(EUE) P/J x XO x 3-1/2"TBG(VAM TOP) 4jts x XO x S140 25stands

String Wt.(kN) mBRT

String total w/ HPS&TB	
Pick up Weight w/ HPS&TB	
Slack off weight w/ HPS&TB	
HPS & Traveling Block	700
BHA below Jar	-

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.	WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	W	S	Sand %	PPG	MBC	n	K	Temp In	Out	Dilution rate
Pre-Hy	15:10		1.06	300																				

Pre-hy / SW gel (m3)	
SW gel	48
USED Swgel	259
Prehygel	102

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/146	#5	10	165/145
#3	10	165/145	#6	10	165/145

	Desander	Mud cleaner	Centrifuge
#1	off	off	off
#2	off	off	off
#3			off

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.	Generated Vol.	Daily	Total
Treatment Vol.(m3)	0	1,155	0	Distilled Water	0	1,804
Evaporated Wtr Vol.(m3)	0	1,804	0	Big -Bag	3	48

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Mpa)	Ann. Vel. (m/min) DC	DP	ECD @ shoe
1	6						
2	6						
3	6						

Mud Gas

	Base (%)	Max. (%)	Depth (m)
Trip Gas			--
Conn. Gas			--

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	146,400
Kingie-VO (Bulk)	0	0	19,000
NaOH	0	0	4,375
KOH	0	0	150
Lime	0	0	5,550
Soda Ash	0	0	0
Tel-Polymer(H)	0	0	0
Tel-Polymer(L)	0	0	1,160
Tel-Polymer DX	0	0	0
XCD-Polymer	0	0	950
Xian-Vis	0	0	0
NaCl (Bag)	0	0	20,000
KCL (Bag)	0	0	4,000
Clean Lube (L)	0	0	0
Clean Lube	0	0	0
Tel-DD	0	0	0
Liqnite NC	0	0	0
Telnite GXL	0	0	432
Speeder (P)	0	0	1,700
Treat HS	0	0	1,340
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0 / 0	0 / 0	0 / 0
Baracor	0	0	55
Telnite OS-5	0	0	30
TAN CAL M/F	0/0	0/0	0/0

HELICOPTER INFORMATION (JA9616)

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	9:17	9:23	9	9
2	11:39	11:46	7	9
3	16:45	16:52	0	5
4				

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

KICK TOLERANCE

Max. Allow CSG Pre.	
Kick Tolerance	

PERSONNEL @24:00

CDEX	5
MQJ Crew	87
MQJ(Other)	1
MWJ	14
Scientist	14
Sub Con.	
SLB W/L	0
SLB MWD	0
SLB CMT	1
BOT	1
WF	0
ROV	6
Telnite	1
Telnite(waste mud)	0
NOV	1
Vetco Grav	0
Vendors	0
Others	2
Total	133

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Chikyu		
Heisei Maru	Chikyu	8:15	

Heave (m)	0.2
Pitch (deg)	0.5
Roll (deg)	0.2
Swell	1.8
Vessel Heading (deg)	285
Drift (m)	Moving
Riser Tension (kN)	-
V.D. Load (Moon)	10,766.7
Max Draught (m)	9.06
Thruster (kW)	1,000
No. of transponders	5
Engine output(kW)	5,000
	P:26%, S:25%

GEOLOGIC INFORMATION

From	To	Lithology

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	98	74	296
Potable Water m3	0	2	176
Drill Water m3	0	0	1,094
Fuel m3	0	48.1	3,563.6
Lube, Oil Ltrs	0	2300	45,100
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	0	7.6
Cement "DEEP CRETE" ton	0	0	3
Cement "LWC" ton	0	0	42.5

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(kts)	CURRENT Dir. (deg)	VISIBILITY (km)
0:00	hc	25	27.1	1013.7	9.0	73	9.7	1.3	70	6.7	1.9	92	18

TODAY'S SCHEDULE : **Drift to well location, Dummy run**

REPORTED BY : Y.Kawano / Y.Masumoto
APPROVED BY : I. Sawada

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 103

HOLE NAME :	C0010A	**SITE NAME :**	NT2-01J	**Exp. :**	319	**REPORT DATE :**	21/Aug/2009
@24:00	3,107.0 mBRT	555.0 mbsf	PROGRESS : -	Water Depth :	2,552.0 mBRT (2523.7mMSL)	RT-MSL : 28.3 m	SINCE MOVE : 101
@06:00	3,107.0 mBRT	555.0 mbsf	-	DRILLING/CORING Hrs. :	- hrs	LAST CASING : 9-5/8" x	544.3 mbsf

SUMMARY OF OPERATION: **POOH 1st dummy run BHA, prepare for 2nd dummy run, Make up and RIH 2nd dummy run BHA, Drifting**

PRESENT OPERATION @06:00 on 21-Aug : **Drifting vessel to well location**

mBRT: meter below rotary table
mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on 20-Aug)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	1:15	1:15	Trip	Continue POOH with Dummy BHA to surface.
				Find the thread of top flange of Seismometer was teared off.
				Lost BHA: 3-1/2"TBG(EUE) P/J w/data logger x 3-1/2"TBG(EUE) 2jts x 3-1/2"TBG(EUE) P/J x Strainmeter
1:15	2:30	1:15	Other	Remove Sensors(Accelerometer and Tiltmeter) from Instrument carrier and check same
				Meawhile perform post vibration check on guide horn and derrick, and service travelling dolly.
2:30	6:00	3:30	Other	Continue checking and repairing Accelerometer and Tilt meter.
				Meanwhile make up 2 joints of 3-1/2"TBG (1 x EUE, 1 x VAM TOP) for Dummy BHA tail pipe.
6:00	7:00	1:00	Other	Pick up and connect Dummy Strainmeter and instrument Carrier. Lay down same on RTS.
7:00	12:45	5:45	Other	Prepare for 2nd dummy run
				Weld flange between Dummy Strainmeter and Instrument Carrier.
				Fabricate and weld sensor retaining cover on Instrument Carrier.
				Weld and repair cracks on instrument Carrier with patch..
12:45	13:30	0:45	Other	Install Accelemometer onto Instrument Carrier.
13:30	15:00	1:30	Trip	Pick up and RIH Dummy Strainmeter and instrument Carrier, 3-1/2"TBG quad stand (VAM TOP).
15:00	15:15	0:15	Trip	RIH 2nd Dummy Run BHA to 186m (3stands)
15:15	15:30	0:15	Trip	Install guide horn wear bushing
15:30	17:15	1:45	Trip	Continue RIH to 1019m
17:15	17:30	0:15	Trip	Change hydraulic elevator insert for S150
17:30	18:15	0:45	Trip	Continue RIH to 1689m
				Dive ROV to 1000mBRT @17:45
18:15	0:00	5:45	Trip	Drift vessel to the south at 0.7kt
				Meanwhile perform ruitine planned maitenance and housekeeping duties.
				Perform pressure test on spare upper & lower IBOP w/5000psi, Find leakage
				Perform pressure test on CMTG manifold w/5000psi, OK

TIME BREAKDOWN (00:00 - 06:00 on 21-Aug) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	6:00	6:00	Other	Continue drifting to well location at 0.7kt
				2.2miles from well location @6:00 vessel speed at 0.7kt. Current speed at 3.8-4.0kt
				Resume RIH dummy run BHA.

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	TFA (in^2)	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Bit Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP

BHA RECORD / CORE BARREL TYPE

1st Dummy run	3-1/2"TBG(EUE) P/J w/data logger x 3-1/2"TBG(EUE) 2jts x 3-1/2"TBG(EUE) P/J x Strainmeter x Instrument Carrier x 3-1/2"TBG(EUE) P/J x XO x 3-1/2"TBG(VAM TOP) 4jts x XO x S140 25stands x XO S150
2nd Dummy run	3-1/2"TBG(VAM TOP) 1jt x XO x 3-1/2"TBG(EUE) 1jts x Dummy Strainmeter x Instrument Carrier(w/Accelemometer) x 3-1/2"TBG(EUE) P/J x XO x 3-1/2"TBG(VAM TOP) 4jts x XO x S140 25stands x XO S150

String Wt.(kN) mBRT

String total w/ HPS&TB	
Pick up Weight w/ HPS&TB	
Slack off weight w/ HPS&TB	
HPS & Traveling Block	700
BHA below Jar	-

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.	WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	W	S	Sand %	PPG	MBC	n	K	Temp In	Out	Dilution rate
Hi-Vis Gel	11:00		1.04	119																				

Pre-hy / SW gel (m3)	
Sea Water gel in tank	48
USED sea water gel	259
12% Prehygel in tank	236

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/146	#5	10	165/145
#3	10	165/145	#6	10	165/145

	Desander	Mud cleaner	Centrifuge
#1	off	off	off
#2	off	off	off
#3			off

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.	Generated Vol.	Daily	Total
Treatment Vol.(m3)	0	1,155	0	Distilled Water	0	1,804
Evaporated Wtr Vol.(m3)	0	1,804	0	Big -Bag	0	48

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Mpa)	Ann. Vel. (m/min) DC	DP	ECD @ shoe
1	6						
2	6						
3	6						

Mud Gas

	Base (%)	Max. (%)	Depth (m)
Trip Gas			--
Conn. Gas			--

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	146,400
Kingie-VO (Bulk)	0	0	19,000
NaOH	0	0	4,375
KOH	0	0	150
Lime	0	0	5,550
Soda Ash	0	0	0
Tel-Polymer(H)	0	0	0
Tel-Polymer(L)	0	0	1,160
Tel-Polymer DX	0	0	0
XCD-Polymer	0	0	950
Xian-Vis	0	0	0
NaCl (Bag)	0	0	20,000
KCL (Bag)	0	0	4,000
Clean Lube (L)	0	0	0
Clean Lube	0	0	0
Tel-DD	0	0	0
Liqnite NC	0	0	0
Telnite GXL	0	0	432
Speeder (P)	0	0	1,700
Treat HS	0	0	1,340
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0 / 0	0 / 0	0 / 0
Baracor	0	0	55
Telnite OS-5	0	0	30
TAN CAL M/F	0/0	0/0	0/0

HELICOPTER INFORMATION (JA9616)

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	9:14	9:24	8	9
2	11:33	11:41	9	7
3	13:53	13:58	0	3
4				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Pre.	
Kick Tolerance	

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

PERSONNEL @24:00

CDEX	4
MQJ Crew	87
MQJ(Other)	2
MWJ	14
Scientist	14
Sub Con.	
SLB W/L	0
SLB MWD	0
SLB CMT	1
BOT	1
WF	0
ROV	6
Telnite	1
Telnite(waste mud)	0
NOV	1
Vetco Grav	0
Vendors	0
Others	0
Total	131

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Shingu		04:20
	Chikyu	13:05	
Heisei Maru	Chikyu		

Heave (m)	0.3
Pitch (deg)	0.7
Roll (deg)	0.2
Swell	1.8
Vessel Heading (deg)	220
Drift (m)	Moving
Riser Tension (kN)	-
V.D. Load (Moon)	10,795.2
Max Draught (m)	9.06
Thruster (kW)	2,289
No. of transponders	5
Engine output(kW)	6,500
	P:29%, S:29%

GEOLOGIC INFORMATION

From	To	Lithology

MATERIALS STOCK on BOARD @24:00

Item		RECEIVED	USED	STOCK
Fresh Water	m3	49	63	282
Potable Water	m3	0	3	173
Drill Water	m3	50	10	1,134
Fuel	m3	0	46.8	3,516.8
Lube, Oil	Ltrs	0	1200	43,900
Heli Fuel	Ltrs	0	0	0
Cement "G"	ton	0	0	7.6
Cement "DEEP CRETE"	ton	0	0	3
Cement "LWC"	ton	0	0	42.5

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(kts)	CURRENT Dir. (deg)	VISIBILITY (km)
0:00	hc	25.5	28.7	1010.3	4.4	179	5	1.3	80	7.7	4.4	104	18

TODAY'S SCHEDULE : **2nd dummy run, POOH, Drift vessel, Run Retrieavable Casing Packer assembly**

REPORTED BY : Y.Kawano / Y.Masumoto
APPROVED BY : I. Sawada

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 104

HOLE NAME :	C0010A	SITE NAME :	NT2-01J	Exp. :	319	REPORT DATE :	22/Aug/2009
@24:00	3,107.0 mBRT	555.0 mbsf	PROGRESS : -	Water Depth :	2,552.0 mBRT (2523.7mMSL)	RT-MSL : 28.3 m	SINCE MOVE : 102
@06:00	3,107.0 mBRT	555.0 mbsf	-	DRILLING/CORING Hrs. :	- hrs	LAST CASING : 9-5/8" x 544.3 mbsf	

SUMMARY OF OPERATION: **RIH 2nd dummy run BHA and stab into wellhead, POOH, Drift to low current area.**

PRESENT OPERATION @06:00 on 22-Aug : **Run Retrievable Casing Packer assemnbly**

mBRT: meter below rotary table
mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on 21-Aug)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	6:15	6:15	Other	Continue drifting to well location at 0.7kt hanging strings @1700mBR, Current speed:3.8-4.0kt
				2mile from well location @6:15
6:15	7:00		Trip	Resume RIH to 1950mBRT while drifting
7:00	8:00	1:00	Other	Drift vessel to well location at 0.7kt
8:00	10:00	2:00	Trip	Resume RIH to 2548mBRT while drifting
10:00	10:15	0:15	Other	Fine tune vessel position above wellhead.
10:15	10:45	0:30	Other	Stab tail rbt3 5m into wellhead and pull out three times.
10:45	13:30	2:45	Trip	POOH to 1020m drifting vessel downstream at 0.9kt
				(12:00-16:00) ROV repair broken strand @1351-1080m
13:30	13:45	0:15	Trip	Change elevator insert to S150
13:45	15:15	1:30	Trip	Continue POOH to 186m drifting vessel downstream at 0.9kt
15:15	15:45	0:30	Other	Remove wear bushing of guide horn.
15:45	16:00	0:15	Other	Continue POOH to 86m
16:00	19:30	3:30	Trip	Rack back 3-1/2"TBG (VAM TOP) quad stand.
				Lay out Instrument Carrier and Dummy Strainmeter onto RTS.
				Retrieve Accelemometer.
				ROV on deck @18:05
				Start moving vessel to low current area @19:25
19:30	0:00	4:30	Other	Move vessel to well location.
				Perform post vibration inspection on guide horn, HPS and derrick.
				Carry out routine planned maintenance and housekeeping duties.
				Troubleshoot Anti-collision fault between Roughneck and Hydraracker #1 tail arm.
				Pass high current area. Move vessel to north-west at 3.5-4.0kt.

TIME BREAKDOWN (00:00 - 06:00 on 22-Aug) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	4:00	4:00	Other	Continue moving vessel to north-west toward low current area at 3.5-4.0kt
				meanwhile make up S140 5"drill pipe stand and rack back in derrick
				(3:00-4:00) Troubleshoot No.1 Hydraracker tail arm
				Vessel arrive at low current area 16.5miles from well location @4:00 Current speed :1.1kt
4:00	4:30	0:30	Other(N)	Continue troubleshoot No.1 Hydraracker tail arm.
4:30	5:30	1:00	Other	Pick up A-3 Retrievable Casing packer assembly and connect with sensor carrier.
5:30	6:00	0:30	Trip	RIH A-3 Packer assemnbly.
				Start backloading to KAIKO @5:00

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	TFA (in^2)	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Bit Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP

BHA RECORD / CORE BARREL TYPE

2nd Dummy run	3-1/2"TBG(VAM TOP) 1jt x XO x 3-1/2"TBG(EUE) 1jts x Dummy Strainmeter x Instrument Carrier(w/Accelemometer) x 3-1/2"TBG(EUE) P/J x XO x 3-1/2"TBG(VAM TOP) 4jts x XO x S140 25stands x XO S150

String Wt.(kN) mBRT

String total w/ HPS&TB	
Pick up Weight w/ HPS&TB	
Slack off weight w/ HPS&TB	
HPS & Traveling Block	700
BHA below Jar	-

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.	WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	W	S	Sand %	PPG	MBC	n	K	Temp In	Out	Dilution rate
Hi-Vis Gel	11:00		1.04	121																				

Pre-hy / SW gel (m3)	
Sea Water gel in tank	48
USED sea water gel	259
12% Prehygel in tank	236

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/146	#5	10	165/145
#3	10	165/145	#6	10	165/145

	Desander	Mud cleaner	Centrifuge
#1	off	off	off
#2	off	off	off
#3			off

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.	Generated Vol.	Daily	Total
Treatment Vol.(m3)	0	1,155	0	Distilled Water	0	1,804
Evaporated Wtr Vol.(m3)	0	1,804	0	Big -Bag	0	48

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Mpa)	Ann. Vel. (m/min) DC	DP	ECD @ shoe
1	6						
2	6						
3	6						

Mud Gas

	Base (%)	Max. (%)	Depth (m)
Trip Gas			--
Conn. Gas			--

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	146,400
Kingie-VO (Bulk)	0	0	19,000
NaOH	0	0	4,375
KOH	0	0	150
Lime	0	0	5,550
Soda Ash	0	0	0
Tel-Polymer(H)	0	0	0
Tel-Polymer(L)	0	0	1,160
Tel-Polymer DX	0	0	0
XCD-Polymer	0	0	950
Xian-Vis	0	0	0
NaCl (Bag)	0	0	20,000
KCL (Bag)	0	0	4,000
Clean Lube (L)	0	0	0
Clean Lube	0	0	0
Tel-DD	0	0	0
Liqnite NC	0	0	0
Telnite GXL	0	0	432
Speeder (P)	0	0	1,700
Treat HS	0	0	1,340
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0 / 0	0 / 0	0 / 0
Baracor	0	0	55
Telnite OS-5	0	0	30
TAN CAL M/F	0/0	0/0	0/0

HELICOPTER INFORMATION (JA9616)

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	9:21	9:30	8	3
2	11:50	11:55	7	0
3	14:31	14:40	2	5
4				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

KICK TOLERANCE

Max. Allow CSG Pre.	
Kick Tolerance	

PERSONNEL @24:00

CDEX	8
MQJ Crew	88
MQJ(Other)	5
MWJ	14
Scientist	14
Sub Con.	
SLB W/L	0
SLB MWD	2
SLB CMT	1
BOT	1
WF	0
ROV	6
Telnite	1
Telnite(waste mud)	0
NOV	1
Vetco Grav	0
Vendors	1
Others	0
Total	140

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

GEOLOGIC INFORMATION

From	To	Lithology

MATERIALS STOCK on BOARD @24:00

Item		RECEIVED	USED	STOCK
Fresh Water	m3	0	62	220
Potable Water	m3	0	2	171
Drill Water	m3	0	91	1,225
Fuel	m3	0	53.5	3,463.3
Lube, Oil	Ltrs	0	0	43,900
Heli Fuel	Ltrs	0	0	0
Cement "G"	ton	0	0	7.6
Cement "DEEP CRETE"	ton	0	0	3
Cement "LWC"	ton	0	0	42.5

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Chikyu		
Heisei Maru	Chikyu		

Heave (m)	0.3
Pitch (deg)	0.6
Roll (deg)	0.4
Swell	1.7
Vessel Heading (deg)	290
Drift (m)	Moving
Riser Tension (kN)	-
V.D. Load (Moon)	10,727.9
Max Draught (m)	9.00
Thruster (kW)	5,400
No. of transponders	5
Engine output(kW)	9,600
	P:48%, S:46%

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(kts)	CURRENT Dir. (deg)	VISIBILITY (km)
0:00	fog	27	28.6	1007.2	9.4	232	9.9	1.7	230	8.4	3.8	106	30

TODAY'S SCHEDULE : **Continue RIH A-3 Packer assembly while drifting vessel**

REPORTED BY : Y.Kawano / Y.Masumoto

APPROVED BY : T.Abe

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 105

HOLE NAME :	C0010A	**SITE NAME :**	NT2-01J	**Exp. :**	319	**REPORT DATE :**	23/Aug/2009
@24:00	3,107.0 mBRT	555.0 mbsf	PROGRESS : -	Water Depth :	2,552.0 mBRT (2523.7mMSL)	RT-MSL : 28.3 m	SINCE MOVE : 103
@06:00	3,107.0 mBRT	555.0 mbsf	-	DRILLING/CORING Hrs. :	- hrs	LAST CASING : 9-5/8" x 544.3 mbsf	

SUMMARY OF OPERATION: **Move vessel to low current area, Make up and RIH Packer assembly, Drift to well location**

PRESENT OPERATION @06:00 on 23-Aug : **RIH Packer assembly**

mBRT: meter below rotary table
mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on 22-Aug)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	4:00	4:00	Other	Continue moving vessel to north-west toward low current area at 3.5-4.0kt
				meanwhile make up 5stands of S140 5"drill pipe stand and rack back in derrick
				(3:00-4:00) Troubleshoot No.1 Hydraracker tail arm
				Vessel arrive at low current area 16.5mile from well location @4:00 Current speed :1.1kt
4:00	4:30	0:30	Other(N)	Continue troubleshoot No.1 Hydraracker tail arm.
4:30	6:00	1:30	Other	Pick up A-3 Retrievable Casing Packer assembly and connect with sensor carrier.
6:00	9:00	3:00	Trip	RIH A-3 Packer assembly to10700m.
9:00	10:00	1:00	Other	Back loading to KAIKO
10:00	20:30	10:30	Other	Drift vessel to well location at 1.0-1.2 kt
				meanwhile make up 10stands of S140 5"drill pipe stand and rack back in derrick (Total 25stands)
				11:30 Dive ROV , Current speed at 3.0kt
20:30	22:00	1:30	Trip	RIH to 1700m drifting vessel at 1.2kt @5miles from location
22:00	23:00	1:00	Other	Drift vessel to well location at 1.2 kt
23:00	0:00	1:00	Trip	RIH to 1900m drifting vessel at 1.2kt
				Back load all "G" cement and DeepCRETE in bulk tank.

TIME BREAKDOWN (00:00 - 06:00 on 23-Aug) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	1:30	1:30	Other	Resume RIH to 2426m drifting vessel at 1.2kt
				Vessel on location @1:00
				ROV go down to 2014m. Find damaged strand @2014m
1:30	2:45	1:15	Other(N)	ROV repair damaged strand @2014m
2:45	4:15	1:30	Trip	RIH to 5m above wellhead
				Fine tune vessel position and stab into the wellhead.
4:15	6:00	1:45	Trip	RIH to 2842mBRT (Planned set depth: 2914mBRT)

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	TFA (in^2)	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Bit Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP

BHA RECORD / CORE BARREL TYPE

Packer assey	Sensor Carrier x A-3 Retrievable Casing Packer x L-10 ONN OFF tool (Sealing connector & Washover Shoe) x Ported Sub x 3-1/2"TBG P/J x XO Sub x S140 P/J x XO Sub(2) x 6-3/4"DC(12) x XO Sub(2) x S140 25stands x XO Sub x S150

String Wt.(kN)	mBRT
String total w/ HPS&TB	
Pick up Weight w/ HPS&TB	
Slack off weight w/ HPS&TB	
HPS & Traveling Block	700
BHA below Jar	-

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.	WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	W	S	Sand %	PPG	MBC	n	K	Temp In	Out	Dilution rate
Hi-Vis Gel	11:00		1.04	121																				

Pre-hy / SW gel (m3)	
Sea Water gel in tank	48
USED sea water gel	259
12% Prehygel in tank	236

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/146	#5	10	165/145
#3	10	165/145	#6	10	165/145

	Desander	Mud cleaner	Centrifuge
#1	off	off	off
#2	off	off	off
#3			off

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.	Generated Vol.	Daily	Total
Treatment Vol.(m3)	0	1,155	0	Distilled Water	0	1,804
Evaporated Wtr Vol.(m3)	0	1,804	0	Big -Bag	0	48

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Mpa)	Ann. Vel. (m/min) DC	DP	ECD @ shoe
1	6						
2	6						
3	6						

Mud Gas

	Base (%)	Max. (%)	Depth (m)
Trip Gas			--
Conn. Gas			--

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	146,400
Kingie-VO (Bulk)	0	0	19,000
NaOH	0	0	4,375
KOH	0	0	150
Lime	0	0	5,550
Soda Ash	0	0	0
Tel-Polymer(H)	0	0	0
Tel-Polymer(L)	0	0	1,160
Tel-Polymer DX	0	0	0
XCD-Polymer	0	0	950
Xian-Vis	0	0	0
NaCl (Bag)	0	0	20,000
KCL (Bag)	0	0	4,000
Clean Lube (L)	0	0	0
Clean Lube	0	0	0
Tel-DD	0	0	0
Liqnite NC	0	0	0
Telnite GXL	0	0	432
Speeder (P)	0	0	1,700
Treat HS	0	0	1,340
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0 / 0	0 / 0	0 / 0
Baracor	0	0	55
Telnite OS-5	0	0	30
TAN CAL M/F	0/0	0/0	0/0

HELICOPTER INFORMATION (JA9616)

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1				
2				
3				
4				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

KICK TOLERANCE

Max. Allow CSG Pre.	
Kick Tolerance	

PERSONNEL @24:00

CDEX	8
MQJ Crew	88
MQJ(Other)	5
MWJ	14
Scientist	14
Sub Con.	
SLB W/L	0
SLB MWD	2
SLB CMT	1
BOT	1
WF	0
ROV	6
Telnite	1
Telnite(waste mud)	0
NOV	1
Vetco Grav	0
Vendors	1
Others	0
Total	140

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

GEOLOGIC INFORMATION

From	To	Lithology

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	96	71	245
Potable Water m3	0	3	168
Drill Water m3	0	0	1,225
Fuel m3	0	53.8	3,409.5
Lube, Oil Ltrs	0	500	43,400
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	B/L	0
Cement "DEEP CRETE" ton	0	B/L	0
Cement "LWC" ton	0	0	42.5

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Shingu		12:30
Heisei Maru	Chikyu		

Heave (m)	0.3
Pitch (deg)	0.6
Roll (deg)	0.3
Swell	1.1
Vessel Heading (deg)	265
Drift (m)	Moving
Riser Tension (kN)	-
V.D. Load (Moon)	10,781.5
Max Draught (m)	9.03
Thruster (kW)	3,000
No. of transponders	5
Engine output(kW)	7,500
	P:37%, S:36%

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(kts)	CURRENT Dir. (deg)	VISIBILITY (km)
0:00	[illegible]	28	29.2	1006	10.9	245	11.4	1.1	250	5.9	3.9	94	20

TODAY'S SCHEDULE : **Set Packer with sensor carrier, POOH, Drift vessel upstream, Set corrosion cap**

REPORTED BY : Y.Kawano / Y.Masumoto

APPROVED BY : T.Abe

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 106

HOLE NAME :	C0010A	**SITE NAME :**	NT2-01J	**Exp. :**	319	**REPORT DATE :**	24/Aug/2009
@24:00	3,107.0 mBRT	555.0 mbsf	PROGRESS : -	Water Depth :	2,552.0 mBRT (2523.7mMSL)	RT-MSL :	28.3 m
@06:00	3,107.0 mBRT	555.0 mbsf	-	DRILLING/CORING Hrs. :	- hrs	LAST CASING :	9-5/8" x 544.3 mbsf

SINCE MOVE : 104

SUMMARY OF OPERATION

PRESENT OPERATION @06:00 on 24-Aug : **RIH and set Packer Assembly, Calibrate APRS system**

TIME BREAKDOWN (00:00 - 24:00 on 23-Aug)

mBRT: meter below rotary table
mbsf: : meter below sea floor

From	To	Hrs	Code	DETAIL of OPERATION
0:00	1:30	1:30	Other	Resume RIH to 2414m drifting vessel at 1.2kt
				Vessel on location @1:00
				ROV move down to BHA bottom depth. Find damaged strand @2014m
1:30	2:45	1:15	Other(N)	ROV repair damaged strand @2014m
2:45	4:15	1:30	Trip	RIH to 5m above wellhead
				Fine tune vessel position and stab into the wellhead.
4:15	6:45	2:30	Trip	RIH to 2914mBRT
6:45	7:00	0:15	C&C	Circulation 100spm x 5.2Mpa
				Check weight WHO: 1885kN, Slack off weight: 1870kN, Pick up weight: 1925kN.
7:00	7:45	0:45	Other	Set A-3 Retrievable Casing Packer @2917.5mBRT(365.5mbsf)
				Pick up Packer to 2913m and lower string rotating stirings to the right. No indication of taking weight. Attempt two more times without success.
				After pulling up, observe overpull and pick up to take 130kN overpull (WOH:2060kN) and slack down 70kN (WOH:1800kN).
				Torque strings 1/2 turn to the left and pull up to relaese J-pin.
				Sensor carrier bottom @2920.0m, Sealing connector top @ 2916.6m
7:45	8:00	0:15	C&C	Pump 12m3 of suspend fluid and displace with sea water
8:00	8:45	0:45	Trip	POOH to 2657m
8:45	9:00	0:15	C&C	Pump 2m3 of suspend fluid and displace with sea water
9:00	14:45	5:45	Trip	POOH to surface while drifting. Drifting speed: 0.3-1.2kt.
				Confirm paker setting tool is pulled out of hole by ROV visually.
				Repair broken ROV umbilical @1950m, 1010m
				ROV on deck@14:35. Stop vessel drifting @2.5miles from well location. Move vessel upstream.
				Discover setting tool parted off at 3-1/2"TBG P/J coupling connection. (Lost :L-10 ON OFF tool washover shoe x Ported Sub x 3-1/2"TBG)
14:45	15:45	1:00	Other	Carry out post vibration inspection on Guide Horn, HPS and Derrick
15:45	20:15	4:30	Other	Move vessel 2miles west from well location at 2.5kt
				Hook corrosion cap onto ROV cage with corrosion inhibitor. Launch ROV @19:15. Vessel on location @20:10
20:15	20:45	0:30	Other	Run ROV to 1860m. Find damage (bird caging) on umbilical cable @20:35
20:45	22:30	1:45	Other(N)	Repair damaged cable.
				Make decision to carry out CASIAS Calibration of Big head
22:30	0:00	1:30	Other(N)	Carry out CASIAS calibration for No.2 Big Head. Finish calibration at point #1 @23:30

TIME BREAKDOWN (00:00 - 06:00 on 24-Aug) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	5:30	5:30	Other	Continue CASIAS calibration for No.2 Big Head
				Finish calibration point #2 @1:00, point #3@2:30, point #5@5:30
5:30	6:00	0:30	Other	Move vessel to well location with ROV@1830m

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	TFA (in^2)	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Bit Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP

BHA RECORD / CORE BARREL TYPE

Packer assey	Sensor Carrier x A-3 Retrievable Casing Packer x L-10 ONN OFF tool (Sealing connector & Washover Shoe) x Ported Sub x 3-1/2"TBG P/J x XO Sub x S140 P/J x XO Sub(2) x 6-3/4"DC(12) x XO Sub(2) x S140 25stands x XO Sub x S150

String Wt.(kN)	mBRT
String total w/ HPS&TB	
Pick up Weight w/ HPS&TB	
Slack off weight w/ HPS&TB	
HPS & Traveling Block	700
BHA below Jar	-

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.	WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	W	S	Sand %	PPG	MBC	n	K	Temp In	Out	Dilution rate
Hi-Vis Gel	14:30		1.04	120																				

Pre-hy / SW gel (m3)	
Sea Water gel in tank	48
USED sea water gel	259
12% Prehygel in tank	236

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/146	#5	10	165/145
#3	10	165/145	#6	10	165/145

	Desander	Mud cleaner	Centrifuge
#1	off	off	off
#2	off	off	off
#3			off

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.	Generated Vol.	Daily	Total
Treatment Vol.(m3)	0	1,155	0	Distilled Water	0	1,804
Evaporated Wtr Vol.(m3)	0	1,804	0	Big -Bag	0	48

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Mpa)	Ann. Vel. (m/min) DC	DP	ECD @ shoe
1	6						
2	6						
3	6						

Mud Gas

Base (%)	Max. (%)	Depth (m)
Trip Gas		--
Conn. Gas		--

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	146,400
Kingie-VO (Bulk)	0	0	19,000
NaOH	0	0	4,375
KOH	0	0	150
Lime	0	0	5,550
Soda Ash	0	0	0
Tel-Polymer(H)	0	0	0
Tel-Polymer(L)	0	0	1,160
Tel-Polymer DX	0	0	0
XCD-Polymer	0	0	950
Xian-Vis	0	0	0
NaCl (Bag)	0	0	20,000
KCL (Bag)	0	0	4,000
Clean Lube (L)	0	0	0
Clean Lube	0	0	0
Tel-DD	0	0	0
Liqnite NC	0	0	0
Telnite GXL	0	0	432
Speeder (P)	0	0	1,700
Treat HS	0	0	1,340
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0 / 0	0 / 0	0 / 0
Baracor	0	0	55
Telnite OS-5	0	0	30
TAN CAL M/F	0/0	0/0	0/0

HELICOPTER INFORMATION (JA9616)

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1				
2				
3				
4				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

KICK TOLERANCE

Max. Allow CSG Pre.	
Kick Tolerance	

PERSONNEL @24:00

CDEX	8
MQJ Crew	88
MQJ(Other)	3
MWJ	14
Scientist	14
Sub Con.	
SLB W/L	0
SLB MWD	2
SLB CMT	1
BOT	1
WF	0
ROV	6
Telnite	1
Telnite(waste mud)	0
NOV	1
Vetco Grav	0
Vendors	1
Others	0
Total	140

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

GEOLOGIC INFORMATION

From	To	Lithology

MATERIALS STOCK on BOARD @24:00

Item		RECEIVED	USED	STOCK
Fresh Water	m3	90	71	264
Potable Water	m3	0	3	165
Drill Water	m3	0	7	1,218
Fuel	m3	0	55.9	3,353.6
Lube, Oil	Ltrs	0	0	43,400
Heli Fuel	Ltrs	0	0	0
Cement "G"	ton	0	B/L	0
Cement "DEEP CRETE"	ton	0	B/L	0
Cement "LWC"	ton	0	0	42.5

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Chikyu	1:00	
Heisei Maru	Chikyu		

Heave (m)	0.4
Pitch (deg)	0.8
Roll (deg)	0.3
Swell	1.1
Vessel Heading (deg)	273
Drift (m)	Moving
Riser Tension (kN)	-
V.D. Load (Moon)	10,598.5
Max Draught (m)	9.03
Thruster (kW)	1,300
No. of transponders	5
Engine output(kW)	5,600
	P:28%, S:26%

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(kts)	CURRENT Dir. (deg)	VISIBILITY (km)
0:00	hc	27	29.3	1007.2	8.9	63	9.5	1.1	260	9	4.4	93	20

TODAY'S SCHEDULE : **Set corrosion cap, Calibrate APRS system, Retrieve transponder**

REPORTED BY : Y.Kawano / Y.Masumoto

APPROVED BY : T.Abe

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 107

HOLE NAME :	C0010A	**SITE NAME :**	NT2-01J	**Exp. :**	319	**REPORT DATE :**	25/Aug/2009
@24:00	3,107.0 mBRT	555.0 mbsf	PROGRESS : -	Water Depth : 2,552.0 mBRT (2523.7mMSL)		RT-MSL : 28.3 m	SINCE MOVE : 105
@06:00	3,107.0 mBRT	555.0 mbsf	-	DRILLING/CORING Hrs. : - hrs		LAST CASING : 9-5/8" x 544.3 mbsf	

SUMMARY OF OPERATION

PRESENT OPERATION @06:00 on 25-Aug : **Calibration of APRS system, Install corrosion cap, Retrieve transponders**

mBRT: meter below rotary table

mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on 24-Aug)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	5:30	5:30	Other	Continue CASIAS calibration for No.2 Big Head while repairing ROV umbilical
				Finish calibration point #2 @1:00, point #3@2:30, point #5@5:30
5:30	6:30	1:00	Other	Move vessel to well location with ROV@1830m
6:30	8:45	2:15	Other(N)	Continue to repair broken strand of ROV umbilical
8:45	11:30	2:45	Other	Install corrosion cap onto wellhead.
				Remove releasing hook. Check bulls eye: inclination @1.0deg. direction@12deg.
11:30	15:30	4:00	Other	Retrieve transponders
				transponder on ROV hook @13:20 (BCN312) , @15:15 (BCN309)
15:30	0:00	8:30	Other	Recover ROV while repairing broken strand
				Drill floor operation
				Make up 5stands of S140 5" drill pipe. (Total 30stands in derrick)
				Troubleshoot unti-collision problem between HRN and Hydraracker No.1
				Check HRN torque value.
				Make up LWD BHA and perform shallow test 700gpm x 3.7Mpa
				Rig down Wire line BOP from HPS
				Troubleshoot No.1 mud pump belt slip alarm without success
				Pressure test on upper IBOP and lower IBOP with 5,000psi

TIME BREAKDOWN (00:00 - 06:00 on 25-Aug) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	0:30	0:30	Other	Retrieve ROV
0:30	4:00	3:30	Other	Move vessel to #4 calibration point
4:00	4:45	0:45	Other	Carry out CASIAS calibration for No.2 big head
				Complete calibration @4:30
4:45	6:00	1:15	Other	Move vessel to well location to retrieve transponder by surface recovery
				Drill floor operation
				Lay out 9-1/2"DC 1stand and 6-3/4"DC 4stands

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	TFA (in^2)	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Bit Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP

BHA RECORD / CORE BARREL TYPE

String Wt.(kN)	mBRT
String total w/ HPS&TB	
Pick up Weight w/ HPS&TB	
Slack off weight w/ HPS&TB	
HPS & Traveling Block	700
BHA below Jar	-

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.	WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	W	S	Sand %	PPG	MBC	n	K	Temp In	Out	Dilution rate
Hi-Vis Gel	15:30		1.04	181																				

Pre-hy / SW gel (m3)	
Sea Water gel in tank	48
USED sea water gel	259
12% Prehygel in tank	236

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/146	#5	10	165/145
#3	10	165/145	#6	10	165/145

	Desander	Mud cleaner	Centrifuge
#1	off	off	off
#2	off	off	off
#3			off

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.	Generated Vol.	Daily	Total
Treatment Vol.(m3)	0	1,155	0	Distilled Water	0	1,804
Evaporated Wtr Vol.(m3)	0	1,804	0	Big -Bag	0	48

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Mpa)	Ann. Vel. (m/min) DC	DP	ECD @ shoe
1	6						
2	6						
3	6						

Mud Gas

	Base (%)	Max. (%)	Depth (m)
Trip Gas			--
Conn. Gas			--

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	146,400
Kingie-VO (Bulk)	0	0	19,000
NaOH	0	125	4,200
KOH	0	0	150
Lime	0	125	5,425
Soda Ash	0	0	0
Tel-Polymer(H)	0	0	0
Tel-Polymer(L)	0	0	1,160
Tel-Polymer DX	0	0	0
XCD-Polymer	0	0	950
Xian-Vis	0	0	0
NaCl (Bag)	0	0	20,000
KCL (Bag)	0	0	4,000
Clean Lube (L)	0	0	0
Clean Lube	0	0	0
Tel-DD	0	0	0
Liqnite NC	0	0	0
Telnite GXL	0	0	432
Speeder (P)	0	0	1,700
Treat HS	0	0	1,340
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0 / 0	0 / 0	0 / 0
Baracor	0	0	55
Telnite OS-5	0	0	30
TAN CAL M/F	0/0	0/0	0/0

HELICOPTER INFORMATION (JA9616)

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1				
2				
3				
4				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

KICK TOLERANCE

Max. Allow CSG Pre.	
Kick Tolerance	

PERSONNEL @24:00

CDEX	8
MQJ Crew	88
MQJ(Other)	5
MWJ	14
Scientist	14
Sub Con.	
SLB W/L	0
SLB MWD	2
SLB CMT	1
BOT	1
WF	0
ROV	6
Telnite	1
Telnite(waste mud)	0
NOV	1
Vetco Gray	0
Vendors	1
Others	0
Total	140

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

Hold general safety meeting

GEOLOGIC INFORMATION

From	To	Lithology

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Chikyu		
Heisei Maru	Chikyu		

Heave (m)	0.6
Pitch (deg)	1.6
Roll (deg)	0.5
Swell	1.5
Vessel Heading (deg)	280
Drift (m)	Moving
Riser Tension (kN)	-
V.D. Load (Moon)	10,666.2
Max Draught (m)	9.05
Thruster (kW)	2,778
No. of transponders	5
Engine output(kW)	6,800
	P:35%, S:33%

MATERIALS STOCK on BOARD @24:00

Item		RECEIVED	USED	STOCK
Fresh Water	m3	92	62	294
Potable Water	m3	0	2	163
Drill Water	m3	0	5	1,213
Fuel	m3	0	52.1	3,301.5
Lube, Oil	Ltrs	0	500	42,900
Heli Fuel	Ltrs	0	0	0
Cement "G"	ton	0	B/L	0
Cement "DEEP CRETE"	ton	0	B/L	0
Cement "LWC"	ton	0	0	42.5

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(kts)	CURRENT Dir. (deg)	VISIBILITY (km)
0:00	hc	26	29.1	1009	12.3	39	14.4	1.5	50	9.3	3.9	100	20

TODAY'S SCHEDULE : **Retrieve transponders, Move vessel to NT1-07 site**

REPORTED BY : Y.Kawano / Y.Masumoto

APPROVED BY : T.Abe

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 108

HOLE NAME :	C0010A	**SITE NAME :**	NT2-01J /NT1-07	**Exp. :**	319	**REPORT DATE :**	26/Aug/2009
@24:00	0.0 mBRT	0.0 mbsf	PROGRESS : -	Water Depth : - mBRT (- mMSL)	RT-MSL : 28.3 m	SINCE MOVE :	106
@06:00	0.0 mBRT	0.0 mbsf	-	DRILLING/CORING Hrs. : - hrs	LAST CASING : - x - mbsf		

SUMMARY OF OPERATION: **Retrieve transponders / Move vessel to NT1-07 / Deploy transponders**

PRESENT OPERATION @06:00 on 26-Aug : **Carry out transponder calibration**

mBRT: meter below rotary table
mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on 25-Aug)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	0:30	0:30	Other	Recover ROV with 2 transponders.
0:30	4:00	3:30	Other	Move vessel to #4 calibration point
4:00	4:45	0:45	Other	Carry out CASIAS calibration for No.2 Big Head
				Complete calibration @4:30
				Meanwhile: Lay out 9-1/2"DC 1stand and 6-3/4"DC 4stands
4:45	6:45	2:00	Other	Move vessel to well location to retrieve transponder by surface recovery due to ROV's umbilical cable trouble.
6:45	11:45	5:00	Other	Retrieve transponders by surface recovery.
				KAIKO collect transponders BCN309 @8:37 BCN304 @10:30 BCN306 @11:20
11:45	17:45	6:00	Move	Move vessel to NT1-07 location.
				Arrive at location NT1-07 @17:00. Change to DP mode.
17:45	18:30	0:45	Other	Load provision from KAIKO. (Sea current 1.9kts)
18:30	0:00	5:30	Other	Drop 6 transponders from Chikyu.
				18:30-20 , 30 Drop transponder for test and Check landing point. Move vessel to No.1 free fall point.
				20:30-21:45 Drop No.1 transponder. Move vessel to No.2 free fall point. Weaken signal of No.1 transponder @2700m WD.
				21:45-23:45 Drop No.2 transponder. Move vessel to No.3 free fall point. Check No.2 transponder landing point.
				23:45 Drop No.3 transponder. Move vessel to No.4 free fall point. Check No.3 transponder landing point.
				Until floor operation
				Make up 5 stands 5" S-140 drill pipe. Total 35 stands in derrick.
				Troubleshoot EBT auto tilt down/up fault.
				Fine tune main well roughneck. Function test same.
				Formulate plan for upcoming HPS motor replacement and prepare lifting equipment.

TIME BREAKDOWN (00:00 - 06:00 on 26-Aug) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	4:00	4:00	Other	Continue to deploy transponders
				No.4 @01:39, No.5 @03:23
4:00	5:30	1:30	Other	Move to well location
5:30	6:00	0:30	Other	Carry out calibration

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	TFA (in^2)	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Bit Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP

BHA RECORD / CORE BARREL TYPE

String Wt.(kN)	mBRT
String total w/ HPS&TB	
Pick up Weight w/ HPS&TB	
Slack off weight w/ HPS&TB	
HPS & Traveling Block	700
BHA below Jar	-

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	W	S	Sand %	PPG	MBC	n	K	Temp In	Out	Dilution rate
Hi-Vis Gel	16:30		1.31	60	33.5	19	8	24													0.64	0.80			

Pre-hy / SW gel (m3)	
Sea Water gel in tank	48
USED sea water gel	259
12% Prehygel in tank	236

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/146	#5	10	165/145
#3	10	165/145	#6	10	165/145

	Desander	Mud cleaner	Centrifuge
#1	off	off	off
#2	off	off	off
#3			off

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.	Generated Vol.	Daily	Total
Treatment Vol.(m3)	0	1,155	0	Distilled Water	0	1,804
Evaporated Wtr Vol.(m3)	0	1,804	0	Big -Bag	0	48

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Mpa)	Ann. Vel. (m/min) DC	DP	ECD @ shoe
1	6						
2	6						
3	6						

Mud Gas

Base (%)	Max. (%)	Depth (m)
Trip Gas		--
Conn. Gas		--

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	146,400
Kingie-VO (Bulk)	0	0	19,000
NaOH	0	125	4,200
KOH	0	0	150
Lime	0	125	5,425
Soda Ash	0	0	0
Tel-Polymer(H)	0	0	0
Tel-Polymer(L)	0	0	1,160
Tel-Polymer DX	0	0	0
XCD-Polymer	0	0	950
Xian-Vis	0	0	0
NaCl (Bag)	0	0	20,000
KCL (Bag)	0	0	4,000
Clean Lube (L)	0	0	0
Clean Lube	0	0	0
Tel-DD	0	0	0
Liqnite NC	0	0	0
Telnite GXL	0	0	432
Speeder (P)	0	0	1,700
Treat HS	0	0	1,340
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0 / 0	0 / 0	0 / 0
Baracor	0	0	55
Telnite OS-5	0	0	30
TAN CAL M/F	0/0	0/0	0/0

HELICOPTER INFORMATION (JA9616)

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	10:10	10:19	7	9
2	12:11	12:20	5	6
3				
4				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Pre.	
Kick Tolerance	

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

PERSONNEL @24:00

CDEX	7
MQJ Crew	87
MQJ(Other)	2
MWJ	14
Scientist	14
Sub Con.	
SLB W/L	0
SLB MWD	2
SLB CMT	1
Cameron	2
WF	0
ROV	6
Telnite	1
Telnite(waste mud)	0
NOV	1
Vetco Grav	0
Vendors	0
Others	0
Total	137

GEOLOGIC INFORMATION

From	To	Lithology

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	91	72	313
Potable Water m3	0	3	160
Drill Water m3	0	9	1,204
Fuel m3	0	48.6	3,252.9
Lube, Oil Ltrs	0	500	42,400
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	B/L	0
Cement "DEEP CRETE" ton	0	B/L	0
Cement "LWC" ton	0	0	42.5

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Chikyu		
Heisei Maru	Chikyu		

Heave (m)	0.5
Pitch (deg)	0.6
Roll (deg)	0.3
Swell	1.1
Vessel Heading (deg)	245
Drift (m)	0.3
Riser Tension (kN)	-
V.D. Load (Moon)	10,638.2
Max Draught (m)	8.99
Thruster (kW)	812
No. of transponders	-
Engine output(kW)	4,800
	P:25%, S:24%

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(kts)	CURRENT Dir. (deg)	VISIBILITY (km)
0:00	hc	26	28.9	1010.7	9.2	91	11.6	1.1	90	7	1.5	97	20

TODAY'S SCHEDULE : **Function test on transponders, RIH LWD assembly**

REPORTED BY : Y.Kawano / D. Ikenomoto
APPROVED BY : T.Abe

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 109

HOLE NAME :	C0011A	**SITE NAME :**	NT1-07	**Exp. :**	319	**REPORT DATE :**	27/Aug/2009
@24:00	4,111.0 mBRT	33.7 mbsf	PROGRESS : 33.7m	Water Depth :	4,077.3 mBRT (4049.0 mMSL)	RT-MSL : 28.3 m	SINCE MOVE : 2
@06:00	4,264.0 mBRT	186.7 mbsf		DRILLING/CORING Hrs. :	1.25 hrs	LAST CASING : - x - mbsf	

SUMMARY OF OPERATION

PRESENT OPERATION @06:00 on 27-Aug : **Deploy transponders and calibrate same, RIH LWD BHA, Spud and drill 12-1/4"LWD Hole**

TIME BREAKDOWN (00:00 - 24:00 on 26-Aug) **Drill 12-1/4"hole**

mBRT: meter below rotary table
mbsf: : meter below sea floor

From	To	Hrs	Code	DETAIL of OPERATION
0:00	4:00	4:00	Other	Continue to deploy transponders by free fall measure
				No.5 @01:39, No.6 @03:23
4:00	5:30	1:30	Other	Move to well location on APRS system.
5:30	10:15	4:45	Other	Carry out calibration
10:15	19:15	9:00	Trip	RIH 12-1/4"LWD assembly to 4000mBRT.
19:15	19:45	0:30	Other	meanwhile carry out APRS system test (10:15-11:07)
19:45	20:15	0:30	Other	Prepare to spud. Install MWD geolograph.
20:15	21:00	0:45	Trip	Continue to RIH 12-1/4"LWD BHA from 4000m to 4040mBRT. Space out for jetting. Activate CMC and set up jetting parameter.
21:00	22:45	1:45	Trip	Connect HPS and pump down from 4040mBRT to 4077.3mBRT w/watching LWD (Gamma ray and resistivity) data.
22:45	0:00	1:15	DRLG	Confirm Sea bed @4077.3mBRT from Gamma ray indication. Wash down from 4077.3m to 4111m w/700gpm x 13.1Mpa, WOB: 0-20kN.

TIME BREAKDOWN (00:00 - 06:00 on 27-Aug) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	0:45	0:45	DRLG	Continue to wash down from 4111- 4118mBRT
0:45	6:00	5:15	DRLG	Drilling 12-1/4"hole (start rotation)
				HPS 30-100rpm x 1.5-7kNm, Pump: 700gpm x 13Mpa, WOB:0-25kN
				Ave. ROP: 35.3m/hr
				Current speed : 1.9kt
				Observe continueous vibration on the string.

Survey Result

Depth(mBRT)	Inc.(deg)	Az.(deg.)
4079.39	0.54	294.42
4102.59	0.51	213.21
4137.55	0.26	226.89
4175.44	0.39	246.24

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	TFA (in^2)	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Bit Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP
RR1	12-1/4"	Hycalog	PDC	S422	218338	7 x 14	1.05	4,078.3	4,111.0	32.7	1.3	2		-										

BHA RECORD / CORE BARREL TYPE

RR1	12-1/4"bit x GVR8 x Telescope x 12-1/4"Stabilizer x 8-1/2"NMDC x 8"DC(5) x 7-3/4"Mechanical Jar x 8-1/2"DC(6) x XO x S140 5"DP(35stands) x XO x S140 5-1/2"DP(30stands) x XO x S150 5-1/2"DP

String Wt.(kN) @4111 mBRT

String total w/ HPS&TB	2320
Pick up Weight w/ HPS&TB	
Slack off weight w/ HPS&TB	
HPS & Traveling Block	700
BHA below Jar	170

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	W	S	Sand %	PPG	MBC	n	K	Temp In	Out	Dilution rate
Hi-Vis Gel	15:30	tank	1.04	178	26	76	29	32			11.2										0.33	13.23	24		
Kill mud	20:00	tank	1.30	91	26	26	14	35			10.1										0.58	1.36	29		

Pre-hy / SW gel (m3)	
Sea Water gel in tank	116.5
USED sea water gel	0
12% Prehygel in tank	203.5

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/146	#5	10	165/145
#3	10	165/145	#6	10	165/145

	Desander	Mud cleaner	Centrifuge
#1	off	off	off
#2	off	off	off
#3			off

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.	Generated Vol.	Daily	Total
Treatment Vol.(m3)	0	1,155	0	Distilled Water	0	1,804
Evaporated Wtr Vol.(m3)	0	1,804	0	Big -Bag	0	48

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Mpa)	Ann. Vel. (m/min) DC	DP	ECD @ shoe
1	6	70	700	13.1	67.2	43.64	
2	6	70					
3	6						

Mud Gas

	Base (%)	Max. (%)	Depth (m)
Trip Gas			--
Conn. Gas			--

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	146,400
Kingie-VO (Bulk)	0	0	19,000
NaOH	0	25	4,175
KOH	0	0	150
Lime	0	25	5,400
Soda Ash	0	0	0
Tel-Polymer(H)	0	0	0
Tel-Polymer(L)	0	0	1,160
Tel-Polymer DX	0	0	0
XCD-Polymer	0	0	950
Xian-Vis	0	0	0
NaCl (Bag)	0	0	20,000
KCL (Bag)	0	0	4,000
Clean Lube (L)	0	0	0
Clean Lube	0	0	0
Tel-DD	0	0	0
Liqnite NC	0	0	0
Telnite GXL	0	0	432
Speeder (P)	0	0	1,700
Treat HS	0	0	1,340
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0 / 0	0 / 0	0 / 0
Baracor	0	0	55
Telnite OS-5	0	0	30
TAN CAL M/F	0/0	0/0	0/0

HELICOPTER INFORMATION (JA9616)

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	9:34	9:42	8	8
2	12:23	12:30	7	7
3	15:13	15:19	2	3
4				

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

KICK TOLERANCE

Max. Allow CSG Pre.	
Kick Tolerance	

PERSONNEL @24:00

CDEX	7
MQJ Crew	88
MQJ(Other)	2
MWJ	14
Scientist	14
Sub Con.	
SLB W/L	0
SLB MWD	2
SLB CMT	1
Cameron	2
WF	0
ROV	3
Telnite	1
Telnite(waste mud)	0
NOV	1
Vetco Grav	0
Vendors	1
Others	0
Total	136

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Chikyu		2:30
Heisei Maru	Chikyu		

Heave (m)	0.8
Pitch (deg)	0.6
Roll (deg)	0.4
Swell	1.8
Vessel Heading (deg)	180
Drift (m)	0.2
Riser Tension (kN)	-
V.D. Load (Moon)	10,538.4
Max Draught (m)	9.20
Thruster (kW)	1,227
No. of transponders	5
Engine output(kW)	5,600
	P:29%, S:28%

GEOLOGIC INFORMATION

From	To	Lithology

MATERIALS STOCK on BOARD @24:00

Item		RECEIVED	USED	STOCK
Fresh Water	m3	0	68	245
Potable Water	m3	0	2	159
Drill Water	m3	93	17	1,280
Fuel	m3	0	43.7	3,209.2
Lube, Oil	Ltrs	0	500	41,900
Heli Fuel	Ltrs	0	0	0
Cement "G"	ton	0	B/L	0
Cement "DEEP CRETE"	ton	0	B/L	0
Cement "LWC"	ton	0	0	42.5

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(kts)	CURRENT Dir. (deg)	VISIBILITY (km)
0:00	hc	25.5	28.4	1011.8	8.3	80	10.3	1.8	100	7.1	1.4	88	20

TODAY'S SCHEDULE : **Drill 12-1/4"hole**

REPORTED BY : Y.Kawano / D. Ikenomoto

APPROVED BY : T.Abe

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02 | **REPORT No. :** 110

HOLE NAME :	C0011A	**SITE NAME :**	NT1-07	**Exp. :**	319	**REPORT DATE :**	28/Aug/2009
@24:00	4,647.0 mBRT	569.7 mbsf	PROGRESS : 536.0m	Water Depth : 4,077.3 mBRT (4049.0 mMSL)	RT-MSL : 28.3 m	SINCE MOVE :	3
@06:00	4,707.0 mBRT	629.7 mbsf		DRILLING/CORING Hrs. : 24.00 hrs	LAST CASING : - x - mbsf		

SUMMARY OF OPERATION: **Drill 12-1/4"hole**

PRESENT OPERATION @06:00 on 28-Aug : **Short trip**

TIME BREAKDOWN (00:00 - 24:00 on 27-Aug)

mBRT: meter below rotary table
mbsf: : meter below sea floor

From	To	Hrs	Code	DETAIL of OPERATION
0:00	0:45	0:45	DRLG	Continue to wash down from 4111- 4118mBRT(7m)
0:45	14:45	14:00	DRLG	Drill 12-1/4"hole from 4118-4456mBRT (338m).
				HPS 30-100rpm x 1.5-7kNm, Pump: 700gpm x 13Mpa, WOB:0-25kN
				Ave. ROP: 35.3m/hr Current speed : 1.9kt Observe continueous vibration on the string.
				Pump 5m3 hi-vis gel from 4303mBRT every 2joints
14:45	0:00	9:15	DRLG	Continue to drill 12-1/4"hole from 4456m to 4647mBRT.(191m)
				HPS 110rpm x 2-12kNm, Pump: 700gpm x 13.5-14.0Mpa, WOB:0-25kN
				Ave. ROP: 30.4m/hr

Survey Result

Depth(mBRT)	Inc.(deg)	Az.(deg.)
4079.39	0.54	294.42
4102.59	0.51	213.21
4137.55	0.26	226.89
4175.44	0.39	246.24
4212.97	0.62	253.00
4251.78	0.78	253.34
4290.42	1.01	259.60
4340.43	1.11	259.47
4367.84	1.00	261.29
4405.02	0.98	265.19
4443.13	1.14	266.27
4481.42	1.14	268.23
4519.56	1.01	273.90
4557.52	1.03	280.07
4594.79	0.91	278.38

TIME BREAKDOWN (00:00 - 06:00 on 28-Aug) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	3:15	3:15	DRLG	Continue to drill 12-1/4"hole from 4647m to4707mBRT(60m).
				HPS 110-120rpm x 2-10kNm, Pump: 700gpm x 13.5-14.0Mpa, WOB:0-30kN
				Pump 5m3 hi-vis gel from 4303mBRT every 2joints
3:15	4:00	0:45		Sweep hi-vis mud 5m3
4:00	5:00	1:00	Trip	Short trip to 4460m No overpull
				meanwhile SLB repair geolograph
5:00	6:00	1:00	Trip	Run back to bottom
				Tight spot @4678m Take weight and overpull 120kN
				Start reaming from 4674m

Survey Result

Depth(mBRT)	Inc.(deg)	Az.(deg.)
4631.4	0.75	0.75
4672.87	0.58	278.35

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	TFA (in^2)	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Bit Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP
RR1	12-1/4"	Hycalog	PDC	S422	218338	7 x 14	1.05	4,078.3	4,631.0	552.7	19.3	0	25	100	110	113								

BHA RECORD / CORE BARREL TYPE

RR1	12-1/4"bit x GVR8 x Telescope x 12-1/4"Stabilizer x 8-1/2"NMDC x 8"DC(5) x 7-3/4"Mechanical Jar x 8-1/2"DC(6) x XO x S140 5"DP(35stands) x XO x S140 5-1/2"DP(30stands) x XO x S150 5-1/2"DP

String Wt.(kN) @4610 mBRT

String total w/ HPS&TB	2500
Pick up Weight w/ HPS&TB	2490
Slack off weight w/ HPS&TB	2510
HPS & Traveling Block	700
BHA below Jar	170

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.	WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	W	S	Sand %	PPG	MBC	n	K	Temp In	Out	Dilution rate
Hi-Vis Gel	17:30	tank	1.04	136	18	49	40 41			10.8										0.34	7.88	25		

Pre-hy / SW gel (m3)	
Sea Water gel in tank	113.4
USED sea water gel	120
12% Prehygel in tank	135.0

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/146	#5	10	165/145
#3	10	165/145	#6	10	165/145

	Desander	Mud cleaner	Centrifuge
#1	off	off	off
#2	off	off	off
#3			off

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.
Treatment Vol.(m3)	0	0	0
Evaporated Wtr Vol.(m3)	0	0	0

Generated Vol.	Daily	Total
Distilled Water	0	0
Big -Bag	0	0

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Mpa)	Ann. Vel. (m/min) DC	DP	ECD @ shoe
1	6	70	700	13.5-14.0	67.2	43.64	
2	6	70					
3	6						

Mud Gas

	Base (%)	Max. (%)	Depth (m)
Trip Gas			–
Conn. Gas			–

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	146,400
Kingie-VO (Bulk)	0	0	19,000
NaOH	0	250	3,975
KOH	0	0	150
Lime	0	250	5,175
Soda Ash	0	0	0
Tel-Polymer(H)	0	0	0
Tel-Polymer(L)	0	0	1,160
Tel-Polymer DX	0	0	0
XCD-Polymer	0	0	950
Xian-Vis	0	0	0
NaCl (Bag)	0	0	20,000
KCL (Bag)	0	0	4,000
Clean Lube (L)	0	0	0
Clean Lube	0	0	0
Tel-DD	0	0	0
Lignite NC	0	0	0
Telnite GXL	0	0	432
Speeder (P)	0	0	1,700
Treat HS	0	0	1,340
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0 / 0	0 / 0	0 / 0
Baracor	0	0	55
Telnite OS-5	0	0	30
TAN CAL M/F	0/0	0/0	0/0

HELICOPTER INFORMATION (JA9616)

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	13:58	14:01	0	1
2				
3				
4				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Pre.	
Kick Tolerance	

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

PERSONNEL @24:00

CDEX	7
MQJ Crew	88
MQJ(Other)	2
MWJ	14
Scientist	14
Sub Con.	
SLB W/L	0
SLB MWD	2
SLB CMT	1
Cameron	2
WF	0
ROV	3
Telnite	1
Telnite(waste mud)	0
NOV	1
Vetco Gray	0
Vendors	1
Others	0
Total	136

Heave (m)	0.3
Pitch (deg)	0.4
Roll (deg)	0.2
Swell	0.9
Vessel Heading (deg)	270
Drift (m)	0.2
Riser Tension (kN)	-
V.D. Load (Moon)	10,704.9
Max Draught (m)	9.20
Thruster (kW)	586
No. of transponders	5
Engine output(kW)	6,000
	P:30%, S:29%

GEOLOGIC INFORMATION

From	To	Lithology

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Chikyu	20:00	24:00
Heisei Maru	Chikyu		

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	52	61	236
Potable Water m3	0	3	155
Drill Water m3	0	4	1,326
Fuel m3	0	48.9	3,160.3
Lube, Oil Ltrs	0	0	41,900
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	B/L	0
Cement "DEEP CRETE" ton	0	B/L	0
Cement "LWC" ton	0	0	42.5

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(kts)	CURRENT Dir. (deg)	VISIBILITY (km)
0:00	hc	25.5	28.5	1011.7	5.2	111	5.4	0.9	100	6.6	2.0	99	20

TODAY'S SCHEDULE : **Drill 12-1/4"hole**

REPORTED BY : Y.Kawano / D. Ikenomoto
APPROVED BY : T.Abe

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 111

HOLE NAME :	C0011A	**SITE NAME :**	NT1-07	**Exp. :**	319			**REPORT DATE :**	29/Aug/2009
@24:00	5,029.5 mBRT	952.2 mbsf	PROGRESS : 382.5m	Water Depth :	4,077.3 mBRT (4049.0 mMSL)	RT-MSL :	28.3 m	SINCE MOVE :	4
@06:00	5,029.5 mBRT	952.2 mbsf		DRILLING/CORING Hrs. :	18.00 hrs	LAST CASING :	- x - mbsf		

SUMMARY OF OPERATION: **Drill 12-1/4"hole to 5029.5mBRT (TD)**

PRESENT OPERATION @06:00 on 29-Aug : **POOH to Surface**

TIME BREAKDOWN (00:00 - 24:00 on 28-Aug)

mBRT: meter below rotary table
mbsf: : meter below sea floor

From	To	Hrs	Code	DETAIL of OPERATION
0:00	3:15	3:15	DRLG	Continue to drill 12-1/4"hole from 4647m to4707mBRT.
				HPS 110-120rpm x 2-10kNm, Pump: 700gpm x 13.5-14.0Mpa, WOB:0-30kN
				Pump 5m3 hi-vis gel from 4303mBRT every 2joints
3:15	4:00	0:45	C&C	Sweep hi-vis mud 5m3.
4:00	5:00	1:00	Trip	Short trip to 4460m No over pull
				meanwhile SLB repair geolograph
5:00	6:30	1:30	Trip	Run back to bottom
				Tight spot @4678m Take weight and over pull 120kN
6:30	7:30	1:00	W&R	Connect HPS and ream down from 4674m.
7:30	10:00	2:30	DRLG	Continue to drill 12-1/4"hole from 4707m to 4777mBRT.
10:00	10:15	0:15	Other	Change Mud pump from No.2 to No.3 due to liner worn.
10:15	11:30	1:15	DRLG	Continue to drill 12-1/4"hole from 4777m to 4800mBRT(60m).
				HPS 120rpm x 2-10kNm, Pump: 700gpm x 13.5-14.0Mpa, WOB:0-30kN
				Pump 5m3 hi-vis gel every 2joints
11:30	12:00	0:30	Other(N)	Couldn't break off connection with torque wrench on HPS. Break off by using HPS motor.
12:00	0:00	12:00	DRLG	Continue to drill 12-1/4"hole from 4800mBRT to 5029.5mBRT
				120rpm / 2.0-15.0kNm, 140spm / 13.8-14.2Mpa, WOB:0-25kN, ROP: 20m/h (including connection)
				Changed rpm from 120rpm to 140rpm due to high stick slip, 2-15kNm at 4948mBRTon 19:15
				Sweep 5m3 hi-vis gel every 2joints and spot 5m3 of hi-vis gel prior to connection.

Survey Result

Depth(mBRT)	Inc.(deg)	Az.(deg.)
4631.40	0.75	281.72
4672.87	0.58	278.35
4710.20	0.57	275.64
4748.16	0.42	272.83
4786.66	0.33	276.45
4825.20	0.29	250.22
4863.49	0.35	252.51
4901.53	0.49	276.69
4939.87	0.46	281.68
4977.89	0.50	262.71
5021.19	0.51	240.60

TIME BREAKDOWN (00:00 - 06:00 on 29-Aug) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	1:15	1:15	C&C	Circulate and Spot 121m3 of 1.30 kill mud. Displace with 38.5m3 of sea water.
1:15	4:30	3:15	Trip	POOH with 12-1/4" LWD Assembly from 5029.5m to 4120m.
				Observe over pull at 4931m,4914m,4798m,4682m (max over pull 17tonf). Work pipe, slowly pick up and pass through.
4:30	5:00	0:30	Trip	M/U Drill pipe 1single joint and space out for connection free at seabed. Continue to pooh from 4120m to 3898mBRT.
5:00	6:00	1:00	Trip	Continue to POOH from 3898m to 3222mBRT.
				Meanwhile: @5:22 Move vessel to failed transponder location for restoring.

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	TFA (in^2)	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Bit Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP
RR1	12-1/4"	Hycalog	PDC	S422	218338	7 x 14	1.05	4,078.3	5,029.5	951.2	28.3	0	25	120	140	183								

BHA RECORD / CORE BARREL TYPE

RR1	12-1/4"bit x GVR8 x Telescope x 12-1/4"Stabilizer x 8-1/2"NMDC x 8"DC(5) x 7-3/4"Mechanical Jar x 8-1/2"DC(6) x XO x S140 5"DP(35stands) x XO x S140 5-1/2"DP(30stands) x XO x S150 5-1/2"DP

String Wt.(kN) @4915 mBRT

String total w/ HPS&TB	2630
Pick up Weight w/ HPS&TB	2640
Slack off weight w/ HPS&TB	2620
HPS & Traveling Block	700
BHA below Jar	170

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	W	S	Sand %	PPG	MBC	n	K	Temp In	Out	Dilution rate
Hi-Vis Gel	15:00	Tank	1.04	155	21	80	61	67			10.6										0.27	18.47	25		
Kill Mud	21:00	Tank	1.30	66	42	22	13	34			10.4										0.66	0.84			

Pre-hy / SW gel (m3)	
Sea Water gel in tank	116.5
USED sea water gel	115
12% Prehygel in tank	102.0

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/146	#5	10	165/145
#3	10	165/145	#6	10	165/145

	Desander	Mud cleaner	Centrifuge
#1	off	off	off
#2	off	off	off
#3			off

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.
Treatment Vol.(m3)	0	0	0
Evaporated Wtr Vol.(m3)	0	0	0

Generated Vol.	Daily	Total
Distilled Water	0	0
Big -Bag	0	0

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Mpa)	Ann. Vel. (m/min) DC	DP	ECD @ shoe
1	6	70	700	13..8-14.2	67.2	43.64	
2	6						
3	6	70					

Mud Gas

	Base (%)	Max. (%)	Depth (m)
Trip Gas			–
Conn. Gas			–

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	146,400
Kingie-VO (Bulk)	60,000	0	79,000
NaOH	0	175	3,800
KOH	0	0	150
Lime	3,000	125	8,050
Soda Ash	0	0	0
Tel-Polymer(H)	0	0	0
Tel-Polymer(L)	0	0	1,160
Tel-Polymer DX	0	0	0
XCD-Polymer	1,600	25	2,500
Xian-Vis	0	0	0
NaCl (Bag)	0	0	20,000
KCL (Bag)	0	0	4,000
Clean Lube (L)	0	0	0
Clean Lube	0	0	0
Tel-DD	0	0	0
Lignite NC	0	0	0
Telnite GXL	0	0	432
Speeder (P)	0	0	1,700
Treat HS	0	0	1,340
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0 / 0	0 / 0	0 / 0
Baracor	0	0	55
Telnite OS-5	0	0	30
TAN CAL M/F	0/0	0/0	0/0

HELICOPTER INFORMATION (JA9616)

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	9:33	9:39	7	3
2	12:24	12:29	2	6
3				
4				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

Max. Allow CSG Pre.	
Kick Tolerance	

KICK TOLERANCE

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

PERSONNEL @24:00

CDEX	7
MQJ Crew	88
MQJ(Other)	2
MWJ	14
Scientist	14
Sub Con.	
SLB W/L	0
SLB MWD	2
SLB CMT	0
Cameron	2
WF	0
ROV	3
Telnite	1
Telnite(waste mud)	0
NOV	1
Vetco Gray	0
Vendors	1
Others	0
Total	135

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

GEOLOGIC INFORMATION

From	To	Lithology

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Shhingu		3:40
Heisei Maru	Chikyu		

Heave (m)	0.2
Pitch (deg)	0.4
Roll (deg)	0.2
Swell	0.8
Vessel Heading (deg)	270
Drift (m)	0.1
Riser Tension (kN)	-
V.D. Load (Moon)	10,999.2
Max Draught (m)	9.20
Thruster (kW)	1,032
No. of transponders	5
Engine output(kW)	6,300
	P:35%, S:26%

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	102	56	282
Potable Water m3	0	3	152
Drill Water m3	0	0	1,326
Fuel m3	0	48.3	3,112.0
Lube, Oil Ltrs	0	900	41,000
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	B/L	0
Cement "DEEP CRETE" ton	0	B/L	0
Cement "LWC" ton	0	0	42.5

WEATHER INFORMATION

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(kts)	CURRENT Dir. (deg)	VISIBILITY (km)
0:00	hc	25	28.7	1009.7	5.5	132	6.1	0.8	120	8	2.3	88	20

TODAY'S SCHEDULE : **POOH to surface / Loading / HPS Maintenance**

REPORTED BY : D. Ikenomoto / T.Saruhashi

APPROVED BY : T.Abe

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 112

HOLE NAME :	C0011A	**SITE NAME :**	NT1-07	**Exp. :**	319			**REPORT DATE :**	30/Aug/2009
@24:00	5,029.5 mBRT	952.2 mbsf	PROGRESS : -	Water Depth :	4,077.3 mBRT (4049.0 mMSL)	RT-MSL :	28.3 m	SINCE MOVE :	5
@06:00	5,029.5 mBRT	952.2 mbsf		DRILLING/CORING Hrs. :	- hrs	LAST CASING :	- x - mbsf		

SUMMARY OF OPERATION: **POOH to surface / Replace HPS motor / Loading**

PRESENT OPERATION @06:00 on **30-Aug** : **Move vessel to Yokkaichi Port**

TIME BREAKDOWN (00:00 - 24:00 on **29-Aug**)

mBRT: meter below rotary table
mbsf: : meter below sea floor

From	To	Hrs	Code	DETAIL of OPERATION
0:00	1:15	1:15	C&C	Circulate and Spot 121m3 of 1.30 kill mud. Displace with 38.5m3 of sea water.
1:15	4:30	3:15	Trip	POOH with 12-1/4" LWD Assembly from 5029.5m to 4120m.
				Observe over pull at 4931m,4914m,4798m,4682m (max over pull 17ton). Work pipe, slowly pick up and pass through.
4:30	5:00	0:30	Trip	M/u Drill pipe 1single joint and space out for connection free at seabed. Continue to pooh from 4120m to 3898mBRT.
5:00	13:00	8:00	Trip	Continue to POOH from 3898m to surface. Lay down Jar and LWD.
				Meanwhile
				@5:22 Move vessel to failed transponder location for restoring.
13:00	19:00	6:00	Move	Move vessel to loading location. (Bit to surface (8kts))
				Meanwhile
				Continue to POOH. Finish lay down at 15:00
				LWD data is dumped successfully.
				15:00 Commence removing Motor A of HPS.
19:00	0:00	5:00	Other	Arrived at loading site and commence loading Bentonite 90tons and offloading 13.5ton of G CMT.

TIME BREAKDOWN (00:00 - 06:00 on 30-Aug) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	3:00	3:00	Other	Continue to load material.
3:00	6:00	3:00	Move	Move vessel to the point out side of Ise Bay (where Azimuth thruster lifted up) at 10kts.
				Meanwhile Continue to remove Motor A of HPS.

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	TFA (in^2)	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Bit Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP
RR1	12-1/4"	Hycalog	PDC	S422	218338	7 x 14	1.05	4,078.3	5,029.5	951.2	28.3	0	25	120	140	183	1	1	WT	C	-	1/32	TR	TD

BHA RECORD / CORE BARREL TYPE

RR1	12-1/4"bit x GVR8 x Telescope x 12-1/4"Stabilizer x 8-1/2"NMDC x 8"DC(5) x 7-3/4"Mechanical Jar x 8-1/2"DC(6) x XO x S140 5"DP(35stands) x XO x S140 5-1/2"DP(30stands) x XO x S150 5-1/2"DP

String Wt.(kN)	mBRT
String total w/ HPS&TB	
Pick up Weight w/ HPS&TB	
Slack off weight w/ HPS&TB	
HPS & Traveling Block	700
BHA below Jar	170

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	W	S	Sand %	PPG	MBC	n	K	Temp In	Out	Dilution rate
Hi-Vis Gel	15:00	Tank	1.04	113	15	48	49	56			10.5										0.31	18.47	25		

Pre-hy / SW gel (m3)	
Sea Water gel in tank	64.5
USED sea water gel	-
12% Prehygel in tank	102.0

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/146	#5	10	165/145
#3	10	165/145	#6	10	165/145

	Desander	Mud cleaner	Centrifuge
#1	off	off	off
#2	off	off	off
#3			off

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.	Generated Vol.	Daily	Total
Treatment Vol.(m3)	0	0	0	Distilled Water	0	0
Evaporated Wtr Vol.(m3)	0	0	0	Big -Bag	0	0

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Mpa)	Ann. Vel. (m/min) DC	DP	ECD @ shoe
1	6	70	700	13..8-14.2	67.2	43.64	
2	6						
3	6	70					

Mud Gas

Base (%)	Max. (%)	Depth (m)
Trip Gas		–
Conn. Gas		–

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	146,400
Kingie-VO (Bulk)	90,000	0	169,000
NaOH	3,250	0	7,050
KOH	0	0	150
Lime	0	0	8,050
Soda Ash	0	0	0
Tel-Polymer(H)	0	0	0
Tel-Polymer(L)	0	0	1,160
Tel-Polymer DX	0	0	0
XCD-Polymer	0	0	2,500
Xian-Vis	0	0	0
NaCl (Bag)	0	0	20,000
KCL (Bag)	0	0	4,000
Clean Lube (L)	0	0	0
Clean Lube	0	0	0
Tel-DD	0	0	0
Lignite NC	0	0	0
Telnite GXL	0	0	432
Speeder (P)	0	0	1,700
Treat HS	0	0	1,340
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0 / 0	0 / 0	0 / 0
Baracor	0	0	55
Telnite OS-5	0	0	30
TAN CAL M/F	0/0	0/0	0/0

HELICOPTER INFORMATION (JA9616)

Flt. No.	Time Arrived	Departed	Passenger Are.	Dept.
1				
2				
3				
4				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Pre.	
Kick Tolerance	

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

PERSONNEL @24:00

CDEX	7
MQJ Crew	88
MQJ(Other)	2
MWJ	14
Scientist	14
Sub Con.	
SLB W/L	0
SLB MWD	2
SLB CMT	0
Cameron	2
WF	0
ROV	3
Telnite	1
Telnite(waste mud)	0
NOV	1
Vetco Gray	0
Vendors	1
Others	0
Total	135

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

GEOLOGIC INFORMATION

From	To	Lithology

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Chikyu	19:00	(2:20 8.30)
Heisei Maru	Chikyu		

Heave (m)	0.3
Pitch (deg)	0.4
Roll (deg)	0.2
Swell	0.8
Vessel Heading (deg)	120
Drift (m)	0.4
Riser Tension (kN)	-
V.D. Load (Moon)	10,724.8
Max Draught (m)	8.30
Thruster (kW)	956
No. of transponders	(NT1-07) 5+1
Engine output(kW)	6,900
	P:35%, S:33%

MATERIALS STOCK on BOARD @24:00

Item		RECEIVED	USED	STOCK
Fresh Water	m3	78	57	303
Potable Water	m3	0	3	149
Drill Water	m3	14	10	1,330
Fuel	m3	0	56.4	3,055.6
Lube, Oil	Ltrs	0	0	41,000
Heli Fuel	Ltrs	0	0	0
Cement "G"	ton	0	B/L	0
Cement "DEEP CRETE"	ton	0	B/L	0
Cement "LWC"	ton	0	0	42.5

WEATHER INFORMATION (@loading point)

Time	Weather	Temp. (degC) Air	SW	Barometer (hPa)	WIND Speed(m/s)	Dir. (deg)	Gust (m/s)	WAVE Height(m)	Dir. (deg)	Period (s)	CURRENT Speed(kts)	Dir. (deg)	VISIBILITY (km)
0:00	hc	25	26.4	1011.7	3.0	50	3.4	0.8	120	8.4	0.6	149	20

TODAY'S SCHEDULE : **Sail into Ise Bay (Yokkaichi Port)**

REPORTED BY : D. Ikenomoto / T.Saruhashi
APPROVED BY : T.Abe

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 113

HOLE NAME :	C0011A	**SITE NAME :**	NT1-07	**Exp. :**	319	**REPORT DATE :**	31/Aug/2009
@24:00	5,029.5 mBRT	952.2 mbsf	PROGRESS : -	Water Depth : 4,077.3 mBRT (4049.0 mMSL)	RT-MSL : 28.3 m	SINCE MOVE :	6
@06:00	5,029.5 mBRT	952.2 mbsf		DRILLING/CORING Hrs. : - hrs	LAST CASING : - x - mbsf		

SUMMARY OF OPERATION: **Replace Motor A of HPS / Transit to Port Yokkaichi**

PRESENT OPERATION @06:00 on 31-Aug : **Anchorage at Port Yokkaichi and standby**

mBRT: meter below rotary table
mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on 30-Aug)

From	To	Hrs	Code	DETAIL of OPERATION
0:00	3:00	3:00	Other	Continue to load materials.
3:00	9:30	6:30	Move	Move vessel to the point outside of Ise Bay (where Azimuth thruster lifted up) at 10kts.
9:30	13:30	4:00	Move	Recover Azimuth Thrusters.
13:30	20:30	7:00	Move	Move vessel to Anchorage 15:05 Pick up bay pilot.
20:30	0:00	3:30	Move	Deploy Anchor and Standby 20:47 Disembark bay pilot.
				Meanwhile Continue to remove Motor A of HPS and install new motor.
				Meanwhile
				Continue to remove Motor A of HPS and install new motor.
				Perform inspection on mud pumps.
				Service tubulars.
				Rig down Schlumberger LWD equipment from derrick.
				Prepare for berthing.

TIME BREAKDOWN (00:00 - 06:00 on 31-Aug) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	6:00	6:00	Other	Standby at Anchorage Area.
				Meanwhile
				Continue to install new motor. Tighten motor secure bolts and install accessories for HPS motor.

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	TFA (in^2)	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Bit Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP

BHA RECORD / CORE BARREL TYPE

String Wt.(kN)	mBRT
String total w/ HPS&TB	
Pick up Weight w/ HPS&TB	
Slack off weight w/ HPS&TB	
HPS & Traveling Block	700
BHA below Jar	

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	W	S	Sand %	PPG	MBC	n	K	Temp In	Out	Dilution rate
Hi-Vis Gel	15:00	Tank	1.04	122	18	45	45	37			10.3										0.36	6.57	24		

Pre-hy / SW gel (m3)	
Sea Water gel in tank	64.5
USED sea water gel	-
12% Prehygel in tank	102.0

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/146	#5	10	165/145
#3	10	165/145	#6	10	165/145

	Desander	Mud cleaner	Centrifuge
#1	off	off	off
#2	off	off	off
#3			off

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.	Generated Vol.	Daily	Total
Treatment Vol.(m3)	0	0	0	Distilled Water	0	0
Evaporated Wtr Vol.(m3)	0	0	0	Big -Bag	0	0

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Mpa)	Ann. Vel. (m/min) DC	DP	ECD @ shoe
1	6	70					
2	6				0	0	
3	6	70					

Mud Gas

Base (%)	Max. (%)	Depth (m)
Trip Gas		–
Conn. Gas		–

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	146,400
Kingie-VO (Bulk)	0	0	169,000
NaOH	0	0	7,050
KOH	0	0	150
Lime	0	0	8,050
Soda Ash	0	0	0
Tel-Polymer(H)	0	0	0
Tel-Polymer(L)	0	0	1,160
Tel-Polymer DX	0	0	0
XCD-Polymer	0	0	2,500
Xian-Vis	0	0	0
NaCl (Bag)	0	0	20,000
KCL (Bag)	0	0	4,000
Clean Lube (L)	0	0	0
Clean Lube	0	0	0
Tel-DD	0	0	0
Lignite NC	0	0	0
Telnite GXL	0	0	432
Speeder (P)	0	0	1,700
Treat HS	0	0	1,340
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0 / 0	0 / 0	0 / 0
Baracor	0	0	55
Telnite OS-5	0	0	30
TAN CAL M/F	0/0	0/0	0/0

HELICOPTER INFORMATION (JA9616)

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1				
2				
3				
4				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

Max. Allow CSG Pre.	
Kick Tolerance	

KICK TOLERANCE

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

PERSONNEL @24:00

CDEX	7
MQJ Crew	88
MQJ(Other)	2
MWJ	14
Scientist	14
Sub Con.	
SLB W/L	0
SLB MWD	2
SLB CMT	0
Cameron	2
WF	0
ROV	3
Telnite	1
Telnite(waste mud)	0
NOV	1
Vetco Gray	0
Vendors	1
Others	0
Total	135

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

10:00 Abandon ship drill

GEOLOGIC INFORMATION

From	To	Lithology

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	Shingu		2:20
Heisei Maru	Katuura		12:45

Heave (m)	0.0
Pitch (deg)	0.0
Roll (deg)	0.0
Swell	0.4
Vessel Heading (deg)	282
Drift (m)	-
Riser Tension (kN)	-
V.D. Load (Moon)	10,626.3
Max Draught (m)	8.36
Thruster (kW)	22
No. of transponders	(NT1-07)15
Engine output(kW)	3,400
	P22:%, S:11%

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	14	57	260
Potable Water m3	0	3	146
Drill Water m3	19	5	1,344
Fuel m3	0	60.7	2,994.9
Lube, Oil Ltrs	0	1900	39,100
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	B/L	0
Cement "DEEP CRETE" ton	0	B/L	0
Cement "LWC" ton	0	0	42.5

WEATHER INFORMATION (@Anchorage)

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(kts)	CURRENT Dir. (deg)	VISIBILITY (km)
0:00	hc	25	23.5	1010	5.4	316	6.4	0.4	310	8.9	0.1	9	20

TODAY'S SCHEDULE : **Alongside Port Yokkaichi / Offload Material / Load Material / Replace HPS motor**

REPORTED BY : D. Ikenomoto / T.Saruhashi

APPROVED BY : T.Abe

Chikyu DAILY MORNING REPORT

Mission No. :CK09-02

REPORT No. : 114

HOLE NAME :	-	**SITE NAME :**	NT1-07	**Exp. :**	319	**REPORT DATE :**	1/Sep/2009

@24:00 - mBRT - mbsf PROGRESS : - Water Depth : - mBRT (- mMSL) RT-MSL : **28.3** m SINCE MOVE : -

@06:00 - mBRT - mbsf DRILLING/CORING Hrs. : - hrs LAST CASING : - x - mbsf

SUMMARY OF OPERATION **Port call at Yokkaichi Port**

PRESENT OPERATION @06:00 on **1-Sep** : **Port call**

mBRT: meter below rotary table
mbsf: : meter below sea floor

TIME BREAKDOWN (00:00 - 24:00 on **31-Aug**)

From	To	Hrs	Code	DETAIL of OPERATION		
0:00	9:00	9:00	Other	Standby at Anchorage Area.	8:41	Pick up harbor pilot.
9:00	10:30	1:30	Move	Move vessel alongside Yokkaichi port.	9:00	Commence shifting to wharf
10:30	0:00	13:30	Other	Port call	10:00	Send first shore line, arrive at Yokkaichi port.
					10:30	Complete to secure vessel w/port alongside

Meanwhile
HPS motor replacement is on going. Install accessories of HPS. Re-connecting cables and hyd lines.
Perform inspection on mud pumps.
Continue to backload Schlumberger LWD equipment & Unit.
Prepare to replace core line wire.
Rig up wire line BOP.
Take Drill water 500KL.
Inspection BOP equipment by Cameron eng.

TIME BREAKDOWN (00:00 - 06:00 on 1-Sep) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	DETAIL of OPERATION
0:00	6:00	6:00	Other	Port Call

Meanwhile
HPS motor replacement is on going. Connecting cables and hyd lines. Install accessories on HPS.
Rig up empty drum on spool reel. Commence spool off right (FWD) core line winch wire. (500m/h)
General rig maintenance.
Loading and off loading job is on going.

DAILY BIT RECORD

BIT No.	SIZE (in)	MFR	TYPE	IADC CODE	S/No.	Nozzles	TFA (in^2)	DEPTH (mBRT) From	DEPTH (mBRT) To	METER-AGE	Bit Hrs.	WOB(kN) Min.	WOB(kN) Max.	RPM Min.	RPM Max.	T.rev (krev)	CONDITION Inner	Outer	Dull	Loc.	B	G	O.D.	RP

BHA RECORD / CORE BARREL TYPE

String Wt.(kN)	mBRT
String total w/ HPS&TB	
Pick up Weight w/ HPS&TB	
Slack off weight w/ HPS&TB	
HPS & Traveling Block	700
BHA below Jar	

MUD PROPERTIES

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.		WL	Cake	pH	Pf	Cl-	K+	Content(%) Oil	W	S	Sand %	PPG	MBC	n	K	Temp In	Out	Dilution rate
Hi-Vis Gel	15:00	Tank	1.04	92	16	41	33	37			10.2										0.36	6.16	24		

Pre-hy / SW gel (m3)	
Sea Water gel in tank	64.5
USED sea water gel	-
12% Prehygel in tank	102.0

SHAKER SCREEN SIZE (Top, Bottom primary/secondary)

#1	10	165/145	#4	10	165/145
#2	10	165/146	#5	10	165/145
#3	10	165/145	#6	10	165/145

	Desander	Mud cleaner	Centrifuge
#1	off	off	off
#2	off	off	off
#3			off

DRLG CUTTINGS/WASTE MUD TREATMENT UNIT

Process Vol.	Daily	Total	Eff.	Generated Vol.	Daily	Total
Treatment Vol.(m3)	0	0	0	Distilled Water	0	0
Evaporated Wtr Vol.(m3)	0	0	0	Big -Bag	0	0

MUD PUMPS : 14-P-220 5.0 gal/stroke @97%

No.	Liner Size	SPM	GPM	Press. (Mpa)	Ann. Vel. (m/min) DC	DP	ECD @ shoe
1	6	70					
2	6				0	0	
3	6	70					

Mud Gas

	Base (%)	Max. (%)	Depth (m)
Trip Gas			–
Conn. Gas			–

MUD MATERIALS on BOARD @24:00hrs (unit: kg)

Item	RECEIVED	USED	STOCK
Barite (Bulk)	0	0	146,400
Kingie-VO (Bulk)	0	0	169,000
NaOH	0	0	7,050
KOH	0	0	150
Lime	0	0	8,050
Soda Ash	0	0	0
Tel-Polymer(H)	0	0	0
Tel-Polymer(L)	1,420	-260	0
Tel-Polymer DX	0	0	0
XCD-Polymer	0	0	2,500
Xian-Vis	0	0	0
NaCl (Bag)	0	0	20,000
KCL (Bag)	0	0	4,000
Clean Lube (L)	0	0	0
Clean Lube	0	0	0
Tel-DD	0	0	0
Lignite NC	0	0	0
Telnite GXL	0	0	432
Speeder (P)	0	0	1,700
Treat HS	0	0	1,340
EZ Spot	0	0	550
Deformer No.30C	0	0	224
Tel Stop G / P	0 / 0	0 / 0	0 / 0
Baracor	0	0	55
Telnite OS-5	0	0	30
TAN CAL M/F	0/0	0/0	0/0

HELICOPTER INFORMATION (JA9616)

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1				
2				
3				
4				

LEAK OFF TEST DATA

Leak off Test On	
Lopes. @Surface	
Leaked off EMW @shoe	
Ruptured EMW @shoe	

KICK TOLERANCE

Max. Allow CSG Pre.	
Kick Tolerance	

BOP TESTS

Last Test On	
Annular BOPs To	
Ram BOPs To	

PERSONNEL @24:00

CDEX	2
MQJ Crew	88
MQJ(Other)	2
MWJ	17
Scientist	0
Sub Con.	
SLB W/L	0
SLB MWD	0
SLB CMT	0
Cameron	1
WF	0
ROV	0
Telnite	1
Telnite(waste mud)	0
NOV	1
Vetco Gray	0
Vendors	0
Others	0
Total	112

BOAT INFORMATION

Boat Name	Location	TA	TD
KAIKO	12:00 Off hire		
Heisei Maru	Katuura		

SAFETY (HSE)

INCIDENT	LAST INCIDENT	NO LTA
LTA	2008.2.01	

REMARKS

GEOLOGIC INFORMATION

From	To	Lithology

MATERIALS STOCK on BOARD @24:00

Item	RECEIVED	USED	STOCK
Fresh Water m3	0	51	209
Potable Water m3	0	2	144
Drill Water m3	401	0	1,745
Fuel m3	0	24.9	29,700.0
Lube, Oil Ltrs	0	0	39,100
Heli Fuel Ltrs	0	0	0
Cement "G" ton	0	B/L	0
Cement "DEEP CRETE" ton	0	B/L	0
Cement "LWC" ton	0	0	42.5

Heave (m)	0.0
Pitch (deg)	0.0
Roll (deg)	0.0
Swell	0.4
Vessel Heading (deg)	282
Drift (m)	-
Riser Tension (kN)	-
V.D. Load (Moon)	10,943.2
Max Draught (m)	8.36
Thruster (kW)	-
No. of transponders	(NT1-07) 5
Engine output(kW)	

WEATHER INFORMATION (@Port)

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	WIND Speed(m/s)	WIND Dir. (deg)	WIND Gust (m/s)	WAVE Height(m)	WAVE Dir. (deg)	WAVE Period (s)	CURRENT Speed(kts)	CURRENT Dir. (deg)	VISIBILITY (km)
0:00	hc	24	22.2	1011	6.1	324	9.9	0.2	320	11.5	0.1	353	20

TODAY'S SCHEDULE : **Port Call.**

REPORTED BY : D. Ikenomoto
APPROVED BY : T.Abe