Chikyu DAILY MORNING REPORT

Mission No. : CK12-06 **Exp. No. :** Exp 338 **Report No. :** 38

Site Name : C0002 **Hole Name :** C0002F **Lat.** 33° 18.0507'N **Long.** 136° 38.2029'E **Report Date :** 8/Nov/2012

Depth : @24:00 3,580.00 mBRT 1612.50 mbsf Progress : 50.00 m Seabed Depth : 1,967.50 mBRT RT-MSL : 28.5 m

Depth : @06:00 3,625.00 mBRT 1657.50 mbsf Drilling/Coring/Jetting Hrs. : 7.45 hrs LAST CASING : 20 x 860.30 mbsf(2,827.8 mBRT)

Summary of Operation on 7-Nov : Continue to drill 12-1/4" x 20" LWD hole with Anderreamer. Short trip to 20"CSG shoe. Drill 12-1/4" x 20" LWD hole with Anderreamer.

Present Operation to 06:00 on 8-Nov : Continue to drill 12-1/4" x 20" LWD hole with Anderreamer.

mBRT: meter below rotary table

mbsf: meter below sea floor

Time Breakdown (00:00 - 24:00 on 7-Nov

From	To	Hrs	Code	Detail of Operation
0:00	6:45	6:45	DRL	Continue drill 12-1/4" x 20" LWD hole with Anderreamer 3530 - 3572mBRT, 42m.
				Control ROP 15m/hr. WOB: 7-96kN, pump: 240spm x 28.8-30.0MPa, HPS: 110-120spm x 8.3-12.6kN-m.
				ROP: 4.3-17.70m/hr, average 8.37m/hr. Mud Gas: max 0.5% @3509mBRT, base: 0.3%.
				Increase riser tension to 9500kN @6:30 to adjust riser angle from 1.5 to 0.8-0.9deg.
6:45	8:30	1:45	RR	Change #3 Mud pump liner due to wear. Isolate #3 Mud pump. Circulation by #1 and 2 mud pump with 175spm x 17.8MPa.
8:30	10:30	2:00	C&C	Circulation (240spm x 29.4MPa.) and bottom's up for preparation of recovering cutting in big bags.
10:30	10:45	0:15	RR(N)	Break connection for calibrattion of block position. Re-connect on HPS.
10:45	11:00	0:15	C&C	Resume circulation for preparation of temporary big bag cuttings treatment system, pump: 240spm x 29.4MPa.
11:00	12:30	1:30	Other	Find flowing from one port on 36" low pressure housing. Hydrate is observed around H-4 connector and underneath of BOP while oberving by ROV.
				Meanwhile, flush lines choke, kill and booster with KNPP mud. Decrease riser tension from 9400 to 8400kN @11:30 and observe wellhead, riser angle 0.7 to 1.2deg.
				Decision make to POOH to 20" casing shoe and observe flowing from well head.
				When stop puming prior to POOH, HPS was stalled and took over pull with 300kN. Free pipe by slack pipe.
12:30	15:15	2:45	Other(Trip)	Short trip to 20" CSG shoe due to observe flowing condition from well head. No over pull while POOH and pass through 20"CSG shoe. Perform kick drill, flow check "stable".
15:15	16:00	0:45	SR	Service rig, service HPS, hook block and CMC. Change out filters of the subsea HPU unit. Continue flow check "stable".
16:00	19:30	3:30	RR(N)	Troubleshoot abnormal dragging sound burnt smell come from aft side of DW. Continue flow check "stable".
19:30	19:45	0:15	SR	Monthly Brake test for DW. Meanwhile, continue observe flowing from well head, no change.
19:45	23:00	3:15	Other(Trip)	RIH to bottom, no fill on bottom. Meanwhile, recover ROV to surface due to low pressure for ROV hydraulic system with 3.0knot current situation.
23:00	24:00	1:00	DRL	Drill 12-1/4" x 20" LWD hole with Anderreamer 3572 - 3580mBRT, 8m.
				Control ROP 10-15m/hr. WOB: 40-100kN, pump: 240spm x 29.5MPa, HPS: 120spm x 6-17kN-m. ROP: 8.7-15m/hr, ave: 13.1m/hr.
				※ Supply boat Shincho maru: 1:15 depart from Chikyu w/11 full cutting skips and 3 empty skips.
				※ Supply boat Shincho maru: load 14 empty cutting skips and depart from Chikyu @15:10 w/20 full cutting skips.
				※ Supply boat Kaiyu: load 4 empty cutting skips and stand by due to high current.
				Current survey around C0002 site by supply boat and watch boat.
				- Kaiyu - (00:00-24:00) max 5.1 knot. 5 miles SW from Chikyu and at the site for loading.
				- Shinchou - (00:00-15:10) max 5.5 knot. at site for loading.
				- Hakuryu - (00:00-24:00) max 5.1knot. Ave 3.2knot 5miles & 1 mile SW from Chikyu.
				- Chikyu - (00:00-24:00) max 5.04 knot. ave 3.72knot. Doppler data.

Time	Current (knot)	Wind (m/s) average	Wind (m/s) MAX
02:00	4.7	9.9	11.6
04:00	4.8	6.9	8.5
06:00	4.1	9.3	10.3
08:00	4.0	14.5	16.5
10:00	3.6	11.2	12.9
12:00	3.5	12.0	17.1

MWD survey		
Svy MD mBRT	Inc. deg	Azmth deg
3524.48	0.34	153.31
3562.73	0.20	126.68
3601.82	0.32	144.45

Time Breakdown (00:00 - 06:00 on 8-Nov) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	Detail of Operation
0:00	0:15	0:15	DRL	Continue to drill 12-1/4" x 20" LWD hole with Anderreamer 3580-3584mBRT, 4m.
				Control ROP 10-15m/hr. WOB: 40-100kN, pump: 240spm x 29.5MPa, HPS: 120spm x 6-17kN-m. ROP: 8.8-20.9m/hr, ave: 16.8m/hr.
				trip gas: 0.7-1.0 %
0:15	2:30	2:15	C&C	Circ and bottom's up
				Meanwhile: prepare and trial "cuttings recovering w/big bag" on moon pool deck. Max cutting return 4min/bag, total 20bags recovered in 12m interval.
2:30	6:00	3:30	DRL	Drill 12-1/4" x 20" LWD hole with Anderreamer 3584-3625mBRT. 41m.
				Control ROP 23-28m/hr. WOB: 40-135kN, pump: 240spm x 28.5-30.3Pa, HPS: 120spm x 9.0-18.2kN-m. ROP: 10.5-30m/hr, ave: 16.8m/hr.
				※ROV dive @1:05. Glycol injection on LMRP and wellhead both 5.0gal.
				Observe hydrate around wellhead and @ yellow POD multiple connecter and choke line side.
				Observe flow from 36" wellhead housing ports . (flow observed from three ports.)
				※Supply boat Kaiyu Depart from Chikyu@ 3:00 w/1 full cutting skip.
				※Supply boat Shincho-maru arrive@ 2:45, Start loading of 16 cutting skips and material @5:30.

Bit Record

Bit No.	Size (in)	MFR	Type	IADC Code	S/No.	Nozzles	Depth (mart) From	Depth (mart) To	Meter-age	Hrs.	WOB (kN) Min.	WOB (kN) Max.	rpm Min.	rpm Max.	Total Rev. (krev)	Bit Condition Inner	Outer	Dull	Loc.	B	G	O.D.	RP
1	12.25	NOV	DSH616D-I2	M423	A162762	5 x 12, 4 x 13	2843.0	3,580.00	737.0	43.80	10	152	60	121	323.0								
	16.5	NOV	CST			3 x 10, 2 x 12																	
	20	NOV	Anderreamer			1 x 8																	

BHA Record

	No.1	12-1/4"Bit x GVR x ARC-8 x Telescope x 12-1/8"ILS x sonicVISION x 12-1/8"Stab x 8-1/2"DC(1) x CST x Anderremaer x F/S x 9-1/2"DC(2) x 17"Stab x 9-1/2"DC(1) x XO x 8-1/2"DC(3) x 7-3/4"Jar x 8-1/2"DC(3) x XO x 5.68"HWDP(12) x XO x 5"DP (S-140) 46 stds x 5/12"DP(S-150)

Hook Wt. (kN) @ 3,580.0 mBRT

BHA	390
below HWDP	335
below Jar	267
LWD w/AR	125
LWD	96
Hook Load	2300
Traveling block & HPS	690

Mud Properties

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St. (10", 10')		WL	Cake	pH	Pf	Cl-	Sand	Oil	Solid	K+	LGS	MBC	Temp In	Temp Out	n	K
KNPP	01:00	Pit	1.10	79	32	34	6	8	3.5	0.5	10.0	0.2	51,800	0.2	0	6	25,800	2.5	1.00	15	15	0.57	1.89
KNPP	09:00	Pit	1.11	78	32	36	6	7	3.5	0.5	9.9	0.2	52,200	0.2	0	6	24,700	2.5	1.00	15	15	0.56	2.12
KNPP	17:00	Pit	1.10	82	31	34	6	8	3.7	0.5	10.5	0.3	53,200	0.3	0	6	25,300	2.4	1.00	15		0.56	1.95

Cutting skip @24:00

Load (E)		Empty	22
Kaiyu	4	Full	0
Shincho-maru	3	Back up	2
Offload (E)		S.Boat (E / F)	16/ 1
Kaiyu	1	@ Shingu	4
Shincho-maru	20	total	44

Mud Pumps : 14-P-220 @ 3580.0 mBRT 4.98 gallon/stroke @97%

No.	Liner Size	SPM	GPM	Press. (MPa)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP
1	6"	240	1195	29.5	27	24
2	6"					
3	6"					

Personnel @24:00

CDEX	8
MQJ Crew	94
MQJ (Other)	1
MQJ (Add subsea E)	3
MWJ	13
NME	0
Scientist	14
Telnite	2
Oceaneering	6
NOV	0
MI Swaco	4
AXON	0
SES	0
Vetcogray	2
Geoservices	6
Schlumberger-CMT	1
Schlumberger-DD	2
Schlumberger-LWD	2
Franks	3
Blohm Voss	0
NOV-Anderreamer	2
Shinsei kougyo	0
TV Crew	0
Total	163

Mud Materials on Board @24:00hrs (unit: kg)

Item	Received	Used	Stock
Barite (Bulk)	0	0	480,800
Kunigel-VO (Bulk)	0	0	65,000
NaOH	0	0	1,175
Lime	0	0	520
NaCl	0	0	37,000
KCl	0	0	22,000
Tel-Polymer DX / L / H	0/0/0	0/0/0/	3020/1880/2080
XCD-Polymer	0	0	975
Soda Ash	0	0	1,925
KOH	0	100	2,200
Bi-Carbonate	0	0	550
Clean Lube	0	0	24,000
Tel DD	0	0	3,400
Lignate NC	0	0	4,800
Astex S	0	0	0
Treat HS	0	0	2,280
Defoamer 30C / 15	0	0	224/160
Telnite GXL	0	0	396
Tel Clean	0	0	828
Baracor-100 (gal)	0	0	110
Tel Stop G / P	0/0	0/0	2160/1000
Tel Mica C / M / F	0/0/0	0/0/0	1500/480/1000
Tel Plug C / M / F	0/0/0	0/0/0	1500/3000/500
Tan Cal C / M / F / FF	0/0/0/0	0/0/0	2700/2010/1200/2100
EZ Spot	0	0	550
Speeder P / X	0	0	1,700/1,700
Rester	0	0	0
Telnite OS-5	0	0	120
Telnite HEC	0	0	100

Geologic Information

From	To	
		ogy of cuttings

Heli Information

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	09:14	09:21	9	9
2	11:21	11:29	9	6
3				

Shale Shaker

No.1	#20 x 3/#175 x 4	No.4	#20 x 3/#200 x 4	No.1	13.00
No.2	#20 x 3/#175 x 4	No.5	#20 x 3/#200 x 4	No.2	13.00
No.3	#20 x 3/#175 x 4	No.6	#20 x 3/#175 x 4	No.3	13.00

Centrifuge: hrs

Safety (HSE) and other information

Incident	Last Incident	No. LTA
LTA		
HUNS cards	19	

Remarks

Materials Stock on Board @24:00

Item	Unit	Received	Used	Stock
Fresh Water	m3	97.0	83.2	264.8
Potable Water	m3	0.0	8.2	221.8
Drill Water	m3	0.0	15.0	2,100.1
Fuel	m3	0.0	68.8	5,326.3
Lube, Oil	Ltrs	0.0	500.0	102,800.0
Heli Fuel	Ltrs	0.0	0.0	800.0
Cement "G"	ton	0.0	0.0	356.0

Mud Volume (m3)

Kill Mud (1.30sg)	44
KNPP Mud (1.10sg)	90
KPP Mud (1.07sg)	570

Marine Information @24:00

Heave (m)	0.3
Pitch (deg)	0.2
Roll (deg)	0.1
Vessel Heading (deg)	275
Riser Tension (kN)	8400
V.D. Load (Moon)	13870.5
Max Draught (m)	9.0
Thruster (kW)	3300

Boat Information @24:00

Boat Name	Status	Time @Chikyu Departed	Time @Chikyu Arrived
Kaiyu	Chikyu		
Shinchou-maru	Shingu	15:10	
Hakuryu-maru	Chikyu / current survey		

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(knt)	Current Dir. (deg)	Visibility (km)
24:00	bc	16.5	23.1	1012.7	9.1	324.0	12.0	1.0	270	6.5	3.3	99	22.0

Today's Schedule : Control drill 12-1/4" x 20" LWD hole with Anderreamer / Observe sea current and load cutting skip.

Reported by : T. Otani / D. Ikenomoto

Approved by : I. Sawada