Chikyu DAILY MORNING REPORT

Mission No. : CK13-04 **Exp. No. :** Exp 348 **Report No. :** 78

Site Name : C0002 **Hole Name :** C0002N **Lat.** 33° 18.0507'N **Long.** 136° 38.2029'E **Report Date :** 30/Nov/2013

Depth : @24:00 **4297.5** mBRT **2330.0** mbsf Progress : m Seabed Depth : **1,967.50** mBRT RT-MSL : **28.5** m

Depth : @06:00 **4297.5** mBRT **2330.0** mbsf Drilling/Coring/Jetting Hrs. : hrs LAST CASING : **13-3/8"** x **2,010.00** mbsf(3,977.5 mBRT)

Summary of Operation on **29-Nov** : Wireline operation, Back-off string(success), Circulation and bottoms up

Present Operation @ 06:00 on **30-Nov** : POOH drill string

mBRT: meter below rotary table

mbsf: meter below sea floor

Time Breakdown (00:00 - 24:00 on **29-Nov**)

From	To	Hrs	Code	Detail of Operation
0:00	1:15	1:15	SP	Continue free point survey with FPIT.
				FPIT station Summary table
				# W/L(mBRT) over pull Stretch free(%) turn Torque free(%)
				5 3979.5 50kN 0.0 5.0 0.0
1:15	3:30	2:15	SP	Wind up wire and recover FPIT.
3:30	4:30	1:00	SP	Disassemble FPIT and make up Dummy run tool (Gauge diameter: 2-1/4").
4:30	8:45	4:15	SP	Run Dummy run tool
				(4:30-7:00) RIH to 3970.0mBRT, no drag.
				(7:00-8:45) Recover Dummy run tool to surface.
8:45	9:30	0:45	SP	Disassemble Dummy run tool.
9:30	15:00	5:30	SP	Prepare and assemble Back-off tool.
15:00	15:30	0:30	SP	Tighten strings for back-off operation.
				Keep hook load 2400kN.
				Set HPS torque limit to 56kN-m (5"DP S-140 make up torque x 1.1) and rotate to apply 56kN-m of right torque (Total 33.5 right turns).
				Pick up to 2800kN and slack off to 2400kN x 5 times to transfer right torque to lower strings.
				Rerelease torque to 0 kN-m (28 left turns).
15:30	16:30	1:00	SP	Make up Back-off tools and run through HPS.
16:30	19:15	2:45	SP	Run Back-off tools to 3853.85mBRT (Top of #1 5.68" HWDP joint).
19:15	19:45	0:30	SP	Calibrate wireline depth by CCL and set gun center depth to 3853.85mBRT.
19:45	20:45	1:00	SP	Back off @3853.85mBRT.
				Keep hook load 2400kN (140kN tension at target back-off point)
				Apply left hand torque to 37kN-m (DCIS display: -(minus)37kN-m), 20 left turns.
				Pick up 2800kN and slack off to 2400kN x 5 times to apply left torque to proposed back-off connection.
				Back-off @ 3853.85mBRT. Observed torque from -37 to 0 kN-m and string turned to left 1/4 turn. No Hook load change.
20:45	22:15	1:30	SP	Wind up Back-off tool to 200mBRT.
22:15	22:30	0:15	SP	Confirm free pipe.
				Keep hook load 2360kN, Rotate left 10 turn with free rotation
				Pick up 2m without over pull (Pick up weight 2400kN constant), Lower down 1m without taking weight (Slack down weight 2350kN constant)
22:30	23:00	0:30	SP	Resume recover Back-off tool to surface. Confirm all explosive fired and No drop metal items
23:00	24:00	1:00	C&C	Circulate and bottoms up with 180spm x 17 MPa.
				Meanwhile, rig down Schlumberger
				Note Replace #1 mud pump motor, on going.
				(00:00-21:15) Dive ROV. Inject 6gal glycol into LMRP and wellhead connector. Recover to surface.
				Sea current @ Chikyu: 0.2-0.8 knot. 5mile SW: 0.3-1.9 knot.

Back off tool Assembly

Length from tool bottom	
SAFE SHM GUN	3.66m
EQF-38 x3	7.35m
CCL center	7.81m

Gun center is 5.98m below CCL-center.

Time Breakdown (00:00 - 06:00 on **30-Nov**) * 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 circulate and bottoms up with 180spm x 17.3MPa.
				Spot 5m3 Hi-vis mud at bottom.
2:00	3:00	1:00	TRIP	POOH drill string to 3805mBRT.
				Tighten every joint with make up torque for fail safe.
3:00	4:15	1:15	TRIP	Change saver sub 6-5/8"FH 7.703" to 8.078" Bevel. Make up saver sub with 125kN-m.
4:15	5:30	1:15	RS	Service IBOP actuator of HPS.
5:30	6:00	0:30	TRIP	Continue POOH drill string to 3754.8mBRT.
				Tighten every joint with make up torque for fail safe.
				Sea current: Chikyu 0.3 knot, 5 mile SW 0.7 knot and S 16.8mile 4.1knot @6:00.

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)	Dull Condition Inner	Outer	Dull	Loc.	B	G	O.D.	RP
3	12.25	TIX	MSS-TX	137	61174-T	3 x 24	3865.2	4,010.00	144.8	4.97	38	132	67	81	76.0								

BHA Record

12.25"DOC	3	Bit x Bit Sub (w/Float) x 8-1/2"DC (1) x 12-1/4"Stab x 8-1/2"DC (2) x 12-1/4"Stab x 8-1/2"DC (9) x Jar x 8-1/2"DC (2) x XO x 5.68"HWDP (12) x XO x 5"DP S-140 93stds x XO x 6-5/8"DP Z-140

Hook Wt. (kN) @ 4,007.0 mBRT

Hook Load	2,500
BHA	330
below HWDP	300
below Jar	260
Hook block & HPS	730
Hook block	460

Mud Properties

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St. (10", 10')	WL	Cake	pH	Pf	Cl-	Sand	Oil	Solid	MBC	Temp In	Temp Out	K+	n	K	LGS
KNPP	3:00	pit	1.15	83	35	33	4 7	3.3	0.5	12.4	0.4	82,000	0.6	0	8.0	1	18		33,600	0.60	1.62	1.1
KNPP	16:00	pit	1.15	86	38	34	4 7	3.3	0.5	12.3	0.4	78,100	0.6	0	8.0	1	17		33,000	0.65	0.60	1.3

Mud Pumps : 14-P-220 @ 5.00 gallon/stroke @97%

No.	Liner Size	SPM	GPM	Press. (MPa)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP
1	6"		0		0	0
2	6"					
3	6"					

Personnel @24:00

CDEX	7
MQJ Crew	100
MQJ (SC,Other)	1
MQJ (Sub sea & Hyd)	1
MWJ	17
Scientist	25
Telnite	2
Oceaneering	6
Schlumberger-CMT	2
SLB WL	3
Geoservice	5
Vetco	1
Halliburton-LWD	3
Halliburton-DD	1
Weatherford (CSG)	0
MI-Swaco	4
Tenaris	0
UPS (Singtel)	0
Total	178

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

Item	Received	Used	Stock
Barite (Bulk)			201,500
Kunigel-VO (Bulk)			10,800
NaCl			23,000
KCl			22,000
Tel-Polymer DX / L / H			7780/3380/1280
XCD-Polymer			750
Soda Ash			1,000
KOH			2,850
Clean Lube			13,600
Tel Clean			0
Bi-Carbonate			1,500
Lime			1,240
Defoamer 30C			192
Telnite GXL			36
Tel DD			3,200
NaOH			800
Lignite NC			2,000
Tel Stop G / P			500 / 1000
Tel Mica C / M / F			500/500/500
Tel Plug C / M / F			500/720/500
Tan Cal M / F / FF			4230/4500/0
EZ Spot			550
Speeder P / X			1700 / 1700
Baracor-100 (gal)			0
Astex S			9,600
Treat HS			0
Rester			0
Telnite OS-5			0
Telnite HEC			0

Cutting skip @24:00

Empty	Full	Total
45	0	45

ROV

Status	On deck
Last Dive	
Injection Skid	87 /99 gal

Shale Shaker Centrifuge: hrs

No.1	#10, #145 x 2	No.4	#10, #145 x 2	No.1	off
No.2	#10, #145 x 2	No.5	#10, #145 x 2	No.2	off
No.3	#10, #145 x 2	No.6	#10, #145 x 2	No.3	off

Geologic Information

From	To	Lithology of cuttings

Mud Volume (m3)

KNPP mud (1.13)	96
KNPP mud (1.11)	470
KNPP mud (1.15)	55
LCM 20% (1.13)	24
Hi-vis (1.16)	43
KNPP (1.38)	6
total	694

Heli Information

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	9:14	9:22	7	9
2				
3				
4				

Materials Stock on Board @24:00

Item	Unit	Received	Used	Stock
Fresh Water	m3	97.8	117.0	292.5
Potable Water	m3	0.0	6.2	271.4
Drill Water	m3	0.0	5.5	1,518.0
Fuel	m3	0.0	46.1	4,744.4
Lube, Oil	Ltrs	0.0	800.0	69,900.0
Heli Fuel	Ltrs	0.0	0.0	0.0
Cement "GWC"	ton	0.0	0.0	0.0
Cement "G"	ton	0.0	0.0	0.0

Safety (HSE) and other information

Incident	Last Incident 13/Feb/2013	No. LTA
LTA		
HUNS cards	15	
Remarks		

Boat Information @24:00

Boat Name	Status	Time @Chikyu Departed	Time @Chikyu Arrived
Kaiyu	Chikyu	-	-
Shinchou-maru	Chikyu	-	-
Hakuryu-maru	Current survey: SW 5mile	-	-

Marine Information @24:00

Heave (m)	0.2
Pitch (deg)	0.2
Roll (deg)	0.2
Vessel Heading (deg)	295
Riser Tension (kN)	8700
V.D. Load (Moon)	13866.8
Max Draught (m)	9.0
Thruster (kW)	3170

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	11.0	19.7	1017.7	13.1	314.0	14.8	1.3	270	5.9	0.4	205	22.0

Today's Schedule : Continue POOH. Make up and RIH fishing assembly.

Reported by : D. Ikenomoto / S. Kataoka

Approved by : Y. Uemura