Chikyu DAILY MORNING REPORT

Mission No. : CK12-06 **Exp. No. :** Exp 338 **Report No. :** 31

Site Name : C0002 **Hole Name :** C0002F **Lat.** 33° 18.0507'N **Long.** 136° 38.2029'E **Report Date :** 1/Nov/2012

Depth : @24:00 2,843.00 mBRT 875.50 mbsf Progress : 3.00 m Seabed Depth : 1,967.50 mBRT RT-MSL : 28.5 m

Depth : @06:00 mBRT mbsf Drilling/Coring/Jetting Hrs. : 2.50 hrs LAST CASING : 20 x 860.30 mbsf

Summary of Operation on 31-Oct : Continue RIH DOC BHA. Troubleshoot hydraulic elevator and No.2 Tensioner.

Present Operation to 06:00 on 1-Nov : Displace mud in 20"CSG and Riser.

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

Time Breakdown (00:00 - 24:00 on 31-Oct

From	To	Hrs	Code	Detail of Operation
0:00	2:00	2:00	Trip	Continue RIH DOC BHA to 885mBRT.
				Fill up seawater every 15stds.
2:00	3:30	1:30	RR(N)	Troubleshoot for loose function of open and close on hydraulic elevator.
				Change out back up hydraulic elevator. Function "OK".
3:30	10:15	6:45	Trip	Resume RIH DOC BHA to 2634.8mBRT.
				Fill up seawater every 15stds.
				Find air leak from valve of No.2 Tensioner air manifold.
10:15	13:30	3:15	Trip	Continue to RIH to 2809.5mBRT. RIH 5-1/2" S-150 5 stands and POOH for cleaning connection of string.
13:30	14:15	0:45	Other	Tag with 30kN TOC @ 2809.5mBRT. Break circulation and take SCR.
14:15	16:00	1:45	CMT	Drill out Cement to 2825mBRT. WOB: 50-80kN. HPS: 50-90rpm x 5.2-8.6kN-m.
				Observe low ROP (Float Collar) @2821.3mBRT. Increase drilling parameter, HPS: 90rpm, WOB: 100kN, Pump: 200spm x 17.5MPa.
				Meanwhile, prepare for replace gasket ring of valve of No.2 Tensioner air manifold.
16:00	19:45	3:45	RR(N)	Troubleshoot air leak on valve of No.2 Tensioner air manifold. Replace gasket ring of valve of No.2 Tensioner air manifold.
				Reduce tension of No.2 Tensioned and increase tension of other tensioners to 1600kN each (1600kN x 5, total 8000kN).
				Make sure riser angle (less than 1 degree). Shut off No. 2 tensioner and replace gasket ring.
				Apply tension to No.2 tensioner and back to 1330kN tension on all tensioner.
19:45	20:15	0:30	CMT	Resume drill out cement from 2825 to 2827.6mBRT. Observe low ROP (Float Shoe) @2826.8-2827.7mBRT (0.9m). Continue drill ouf Cement to 2830mBRT (2.3m below 20"CSG shoe).
				WOB: 100kN, Pump: 200spm x 17.5MPa. HPS: 80rpm x 4.3-8.6kN-m. ROP 15-30m/h.
20:15	20:30	0:15	W&R	Ream down to 2840m.
20:30	20:45	0:15	Drlg	Drill new hole 2840 to 2843mBRT (3m). WOB: 100kN, Pump 200spm x 17.4MPa, HPS: 90rpm x 4-10.5kN-m. ROP 1.0 min/m
20:45	22:00	1:15	C&C	Sweep 20m3 of hi-vis mud. Displace with seawater, Pump: 220-240spm x 20.8-23.8MPa.
22:00	24:00	2:00	C&C	Displace from Seawater to 1.10 KNPP mud.
				Total mud gas increase. Mud gas MAX 15.6% @2834mBRT. C1: 15.54%, C2: 0.0%
				Stop circulation and flow check.
				Meanwhile,
				Repair FWD side gear rail of iron roughneck.
				Repair #1 Hydraracker tail arm troubleshooting. (available but still need to maintenance.)
				Current survey around C0002 site by supply boat and watch boat.
				- Kaiyu - (00:00-24:00) 1.9-3.6 knot.
				- Hakuryu-maru - (00:00-18:00) 0.2-2.9 knot.
				- Chikyu - (00:00-24:00) Doppler data : 1.2-3.2 knot.

Time Breakdown (00:00 - 06:00 on 1-Nov) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	Detail of Operation
0:00	3:15	3:15	Other	Continue flow check. Find gas babble from flow line and pit gain in trip tank.
				Close upper annular BOP. Open inner and outer choke valve and bleed gas.
				Start circulation mud through choke line and check mud gas, no gas.
3:15	6:00	2:45	C&C	Resume displace mud.
				Open upper annular BOP.
				Displace choke line to mud, 979cts.
				Break connection and drop carbide gas by Geoservice Engineer.
				Start displace mud in 20"CSG and Riser, on going.

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
RR1a	17	TIX	Mill Tooth	124	69633-T	3 x 24, 1 x 18	2809.5	2,840.00	30.5	0.07	0.5	100	50	90	9.1								
Previous dull condition @NT2-11: 1-1-WT-A-1-I-NO-BHA							2840.0	2,843.00	3.0	1.78					10.4								

BHA Record

	RR1a	17"Bit x Float Sub (with float) x 9-1/2"DC (1) x 16-3/4" Stab x 9-1/2"DC(2) x XO x 8-1/2"DC(6) x XO 5.68"HWDP(12) x XO 5"DP S-140 5 stds x XO x 5-1/2"DP S-150

Hook Wt. (kN) @ 338.0 mBRT

BHA	1,010
below HWDP	940
Traveling block & HPS	750

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	03:00	Pit	1.10	60	24	25	4	6	5	0.5	10.8	0.1	52,200	Tr	0	5	21,400	1.5	0.75	26		0.58	1.36
KNPP	16:00	Pit	1.10	60	25	26	4	6	5	0.5	10.8	0.2	52,200	Tr	0	5	21,400	1.5	0.75	26		0.57	1.47
SWG	02:00	SWG	1.04	65	12	34	18	19			12.0											0.33	5.72

Cutting skip @24:00

Load (E)		Empty	43
Kaiyu	-	Full	0
Shincho-maru	-	Back up	2
Offload (E)		S.Boat (E / F)	0 / 0
Kaiyu	-	@ Shingu	0
To Shingu	-	total	45

Mud Pumps : 14-P-220 @ 2824.8 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	23.8	41	35
2	6"					
3	6"					

Personnel @24:00

CDEX	7
MQJ Crew	94
MQJ (Other)	1
MQJ (Add subsea E)	3
MWJ	13
NME	0
Scientist	15
Telnite	2
Oceaneering	6
NOV	0
MI Swaco	4
AXON	0
SES	0
Vetcogray	2
Geoservices	7
Schlumberger-CMT	2
Schlumberger-DD	2
Schlumberger-LWD	2
Franks	0
Blohm Voss	0
NOV-Anderreamer	2
Shinsei kougyo	1
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	41,000
KCl	0	0	33,000
Tel-Polymer DX / L / H	0/0/0	0/0/0	6540/4440/2600
XCD-Polymer	0	0	1,775
Soda Ash	0	0	2,625
KOH	0	0	3,400
Bi-Carbonate	0	0	550
Clean Lube	0	0	12,800
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

Heli Information

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	09:08	09:17	9	9
2	11:20	11:30	2	4
3	13:31	13:37	4	4
4				
5				

Geologic Information

From	To	Lithology of cuttings

Shale Shaker

No.1	#10 x 3/#84 x 4	No.4	#10 x 3/#84 x 4	No.1	-
No.2	#10 x 3/#84 x 4	No.5	#10 x 3/#84 x 4	No.2	-
No.3	#10 x 3/#84 x 4	No.6	#20 x 3/#84 x 4	No.3	-

Centrifuge: hrs

Safety (HSE) and other information

Incident	Last Incident	No. LTA
LTA		
HUNS cards	11	

Remarks
Revice stock of mud chemical.
NaOH: 1250 → 1175
Tel-Polymer L: 4400 → 4440.

Materials Stock on Board @24:00

Item	Unit	Received	Used	Stock
Fresh Water	m3	44.9	80.6	173.1
Potable Water	m3	46.5	11.8	284.1
Drill Water	m3	0.0	0.0	2,161.3
Fuel	m3	0.0	47.8	5,747.5
Lube, Oil	Ltrs	0.0	2,000.0	104,400.0
Heli Fuel	Ltrs	0.0	0.0	800.0
Cement "G"	ton	0.0	0.0	356.0

Mud Volume (m3)

Pre-Hyd. (1.05sg)	37
Kill Mud (1.30sg)	44
KNPP Mud (1.10sg)	691
KPP Mud (1.07sg)	44

Marine Information @24:00

Heave (m)	0.4
Pitch (deg)	0.4
Roll (deg)	0.2
Vessel Heading (deg)	273
Riser Tension (kN)	8000
V.D. Load (Moon)	14392.2
Max Draught (m)	9.0
Thruster (kW)	1890

Boat Information @24:00

Boat Name	Status	Time @Chikyu Arrived	Time @Chikyu Departed
Kaiyu	Chikyu		
Shinchou-maru	to Shingu		
Hakuryu-maru	Katsuura		17:25

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(knt)	Current Dir. (deg)	Visibility (km)
24:00	bc	18.0	24.3	1012.6	2.9	247.0	4.1	1.0	40	10.7	2.7	107	22.0

Today's Schedule : Continue displace mud in 20"CSG and Riser. Condition Mud. LOT @20"CSG shoe. POOH DOC BHA

Reported by : D. Ikenomoto / S. Kataoka
Approved by : I. Sawada