

**Chikyu DAILY MORNING REPORT**

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

**Report No. : 40**

Site Name : C0002 Hole Name : C0002F Lat. : 33° 18.0507'N Long. : 136° 38.2029'E Report Date : 10/Nov/2012  
 Depth : @24:00 3,849.50 mBRT 1882.00 mbsf Progress : 65.50 m Seabed Depth : 1,967.50 mBRT 642.5 RT-MSL : 28.5 m  
 Depth : @06:00 3,879.00 mBRT 1911.50 mbsf Drilling/Coring/Jetting Hrs. : 10.50 hrs LAST CASING : 20 x 860.30 mbsf( 2,827.8 mBRT)

Summary of Operation on 9-Nov : Drill 12-1/4" x 20" LWD hole with Anderreamer. Troubleshoot on mud pumps. Drill 12-1/4" x 20" LWD hole with Anderreamer.  
 Present Operation to 06:00 on 10-Nov : Drill 12-1/4" x 20" LWD hole with Anderreamer. mBRT: meter below rotary table  
 Time Breakdown ( 00:00 - 24:00 ) on 9-Nov mbsf: meter below sea floor

From	To	Hrs	Code	Detail of Operation
0:00	0:45	0:45	RR(N)	Troubleshoot on screw conveyor of CCB. Over full of cuttings inside screw conveyor (middle part). Clean off same. Meanwhile work pipe with HPS 30rpm and pump 60-140spm.
0:45	3:45	3:00	DRL	Resume drill 12-1/4" x 20" LWD hole with Anderreamer 3784-3809mBRT, 25m. Control ROP 15-20m/hr. WOB: 100-140kN, pump: 240spm x 30.2-31.6MPa, HPS: 120-140rpm x 10-13kN-m.
3:45	5:15	1:30	RR(N)	Troubleshoot on screw conveyor of CCB. Over full of cuttings inside screw conveyor (end part). Clean off same. Meanwhile work pipe with HPS 30rpm and pump 60-140spm.
5:15	8:00	2:45	DRL	Resume drill 12-1/4" x 20" LWD hole with Anderreamer 3809-3830mBRT, 21m. Control ROP 15-20m/hr. WOB: 100-140kN, pump: 240spm x 30.2-31.6MPa, HPS: 120-140rpm x 10-13kN-m.
8:00	19:15	11:15	RR(N)	Troubleshoot on mud pumps. Gradually decrease pump pressure and found leakage from #2 pop of valve. Replace same. Found plugging of polymer (mud material) in discharge strainer of #2 mud pump. Clean #1-3 mud pump discharge strainer. Change out #2 pop of valve of mud pump, trip out motor B on #3 mud pump. Decision make to change out and install plug to #2 pup off valve. Replaced ACB (Air Circuit Breaker) on #3 mud pump. Change out #2 pop off valve and wash out the bleed off valve of mud pump. Meanwhile, circulation and rotate strings.
19:15	24:00	4:45	DRL	Resume drill 12-1/4" x 20" LWD hole with Anderreamer 3830-3849.5mBRT, 19.5m. Control ROP 10m/hr. WOB: 80-120kN, pump: 240spm x 30.2-31.6MPa, HPS: 140rpm x 10-13kN-m.  ROP average 7.15m/hr Mud Gas 0.3-1.0%  * Recover ROV @ 0:45 (3.0-3.3knot). Repair hydraulic system and maintenance. Dive ROV @14:45, daily routine inject Spal glycol to LMRP and connector. Hydrate accumulation on bottom of wellhead connector is removed by trash pump and thruster's blow of ROV.  * Depart Shincho-maru from Chikyu @3:20 with total 22ea full cutting skips. Lording/off loading 14ea empty skips. Offloading 4ea full skips. @19:45-21:30 Escape and stop loading Shincho-maru due to hi-current situation. * Depart Kaiyu from Chikyu @10:45 with 6ea full cutting skips. Arrive 21:20 w/6ea empty skips. Standby Kaiyu @Chikyu.  Current survey around C0002 site by supply boat and watch boat. - Kaiyu - (00:00-10:45, 21:20-24:00) max 4.5 knot. 5 miles SW from Chikyu and at the site for loading. - Shincho - (00:00-03:20, 17:45-24:00) max 4.9 knot. at site for loading. - Hakuryu - (00:00-24:00) max 4.4knot. Ave 3.6knot. 5miles & 1 mile SW from Chikyu. - Chikyu - (00:00-24:00) max 4.42 knot. ave 3.51knot. Doppler data.

Survey Depth mBRT	Inc. deg	Azimuth deg
3791.84	0.94	138.16
3830.30	1.00	137.82

Time Breakdown (00:00 - 06:00) on 10-Nov \* The data on 00:00 - 06:00 is unofficial

From	To	Hrs	Code	Detail of Operation
0:00	6:00	6:00	DRL	Continue to drill 12-1/4" x 20" LWD hole with Anderreamer 3849.5-3879mBRT, 29.5m. Control ROP 10.5m/hr. WOB: 44-153kN, pump: 240spm x 31.42-32.4MPa, HPS: 120-160rpm x 10-14kN-m.  * Keep blowing ROV thruster against WH to avoid hydrate accumulation.  * Depart Shincho-maru from Chikyu @3:40 with total 6ea full cutting skips. * Stand by Kaiyu with 6ea full cutting skips.

Bit	Size (in)	MFR	Type	IADC Code	S/No.	Depth (m)		Miter-age	Hrs.	WOB (kN)		rpm	Total Rev. (krev)	Dull Condition									
						From	To			Min.	Max.			Inner	Outer	Dull	Loc.	B	G	O.D.	RP		
1	12.25	NOV	DSH616D-12	M423	A162762	5 x 12.4 x 13	2843.0	3,849.50	1,006.5	67.89	10	230	60	140	553.0								
	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 Anderreamer 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"1/2"DP(S-150)

Hook Wt. (kN) @	mBRT
BHA	390
below HWDP	335
below Jar	267
LWD w/AR	125
LWD	96
Hook Load	2480
Traveling block & HPS	690

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St. (10 <sup>3</sup> , 10 <sup>4</sup> )	WL	Cake	pH	Pf	Cl-	Sand	Oil	Solid	K+	LGS	MBC	Temp In	Temp Out	n	K
KNPP	01:00	3,786	1.10	83	33	37	7 ; 9	3.6	0.5	10.1	0.2	51,100	0.1	0	6	29,800	2.5	1.00	15	15	0.56	2.17
KNPP	12:30	3,829	1.10	82	31	37	7 ; 9	3.7	0.5	9.9	0.1	50,400	0.1	0	6	29,800	2.5	1.00	16	15	0.54	2.32
KNPP	21:00	3,838	1.10	83	32	38	7 ; 9	3.7	0.5	10.1	0.2	5,080	0.1	0	6	29,800	2.5	1.00	16	14	0.54	2.37

Mud Pumps : 14P-Z20 @ 3849.5 mBRT		4.98 gallon/stroke @37%		Personnel @24:00	
No.	Liner Size	SPM	GPM	Press (MPa)	Ann. Vel (m/min)
1	6"	245	1220	31.5	DC DP
2	6"				28 25
3	6"				

Mud Materials on Board @24:00hrs		Received		Used		Stock	
Item	Unit	Received	Used	Item	Unit	Received	Used
MOJ Crew	95			Barte (Bulk)	0	0	480,800
MOJ (other)	1			Kunigel-V (Bulk)	0	0	65,000
MOJ (Add subsea E)	3			NaOH	0	0	1,175
MWJ	13			Lime	0	0	520
NME	0			NaCl	0	0	37,000
Scientist, IODP	15			KCl	10,000	0	32,000
Telinite	2			Tel-Polymer DX / L / H	1280/1600/720	0/0/0	4300/3480/2800
Oceaneering	6			XCD-Polymer	800	0	1,775
NOV	1			Soda Ash	0	0	1,925
MI Swaco	4			KOH	0	200	2,200
AXON	0			Bi-Carbonate	0	0	550
SES	0			Clean Lube	6,400	0	8,800
Vetcogray	2			Tel DD	0	0	3,400
Geoservices	6			Lignite NC	0	0	4,800
Schlumberger-CMT	2			Aster S	0	0	0
Schlumberger-DD	2			Treat HS	0	0	2,280
Schlumberger-LWD	2			Defoamer 30C / 15	0	0	224/160
Frank's	4			Telinite GXL	0	0	396
Blohm Voss	1			Tel Clean	0	0	828
NOV-Anderreamer	2			Baracor-100 (gal)	0	0	110
Shinsei kougyo	0			Tel Stop G / P	0/0	0/0	2160/1000
TV Crew	0			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
				Telinite OS-5	0	0	120
				Telinite HEC	0	0	100

Cutting skip @24:00		Empty	
Load (E)	Full	Load (E)	Full
Kaiyu	-	Empty	26
Shincho-maru	14	Back up	1
Offload (F)	-	S Boat (E / F)	(8+6)/4
Kaiyu	-	@ Shingu	0
Shincho-maru	4	total	45

Shale Shaker		Centrifuge: hrs	
No.1	No.2	No.1	No.2
#20 x 3#175 x 4	#20 x 3#200 x 4	24.00	24.00
#20 x 3#175 x 4	#20 x 3#200 x 4	24.00	24.00
#20 x 3#175 x 4	#20 x 3#175 x 4	24.00	24.00

Materials Stock on Board @24:00	
Item	Unit
Fresh Water	m3
Potable Water	m3
Drill Water	m3
Fuel	m3
Lube, Oil	Ltrs
Heli Fuel	Ltrs
Cement "G"	ton

Boat Information @24:00	
Boat Name	Status
Kaiyu	Chikyu
Shincho-maru	Chikyu
Hakuryu-maru	Chikyu / current survey

Weather Information	
Time	Weather
24:00	bc

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

Helicopter Information	
Fit. No.	Time
1	09:12
2	12:31
3	14:47

Safety (HSE) and other information	
Incident	Last Incident
LTA	
HUNIS cards	10
Remarks	

Manne Information @24:00	
Heave (m)	Dir. (deg)
Pitch (deg)	0.4
Roll (deg)	0.4
Vessel Heading (deg)	282
Riser Tension (kN)	8400
V.D. Load (Moon)	13568.1
Max Draught (m)	9.0
Thruster (kW)	3090

Reported by : T. Otani / D. Ikenomoto  
 Approved by : T. Saruhashi