

Chikyū DAILY MORNING REPORT

Mission No. : CK12-06

Exp. No. : Exp 338

Report No. : 55

Site Name : C0002 Hole Name : C0002F Lat. 33° 18.0507'N Long. 136° 38.2029'E Report Date : 25/Nov/2012  
 Depth @24.00 3,973.00 mBRT 2005.50 mbsf Progress : 0.00 m Seabed Depth : 1,967.50 mBRT 642.5 RT-MSL : 28.5 m  
 Depth @06.00 3,973.00 mBRT 2005.50 mbsf Drilling/Coring/Letting Hrs. : 0.00 hrs LAST CASING : 20 x 860.30 mbsf( 2,827.8 mBRT)

Summary of Operation on 24-Nov : Displace w/KNPP mud in riser. Run diverter assembly. #1 Plug back cementing.  
 Present Operation on 06.00 on 25-Nov : Continue WOC. RIH to top of cement.

Time Breakdown ( 00.00 - 24.00 on 24-Nov )

From	To	Hrs	Code	Detail of Operation	Circulation Record
0:00	0:45	0:45	BOPE(Other)	Continue install diverter with UFJ. Lay down diverter running tool.	Slks MW Vis Slks MW Vis 2500 1.12 60 12000 1.12 68 3000 1.12 63 13000 1.12* 67
0:45	1:15	0:30	C&C(Other)	Open gas bleed and boost line.	4000 1.12 64 14000 1.11+ 67 5000 1.12 67 15000 1.11 66
1:15	6:00	4:45	BOPE(Other)	Rig down riser running equipment. Lay down riser running tool. Rig down riser spider and gimble. Remove riser guide from #1 hydrackler.	6000 1.12 73 16000 1.11+ 59 7000 1.11+ 73 17000 1.10+ 57 8000 1.11+ 73 18000 1.11 52 9000 1.11+ 75 19000 1.1 45 10000 1.12 73 20000 1.07 11000 1.12 74 21000 1.07 22000 1.07
Meanwhile, Displace mud in Riser with gas bleed and boost line. Leak returned mud from lower packer of slip joint. Increase pressure of lower packer (3.8MPa). Return mud from flow line @2000cts. Circulate with active #4 & 5 tank, 180spm x 6.0MPa. Return contaminated mud @16000cts. Change flow line and dump returned fluid to active #1 & 2 tank (total: 144m3). Return mud @22537cts. Change line and circulate with active #4 & 5 tank. Continue circulate 60spm x 1.7MPa.					
6:00	9:45	3:45	Other	Move HPS and connect Hook Block. Install torque wrench and elevator.	
9:45	13:15	3:30	P&A(Trip)	Make up and RIH diverter assembly to 1928mBRT.	
13:15	15:15	2:00	P&A(Other)	Open DVS. Make up flow line through auto choke to trip tank. Open choke valve and check flow with trip tank 10min. no flow. Close Upper annular BOP. Open gas bleed valve and open DVS. Circ 22m3 w/30-50spm through choke manifold. No gas observed.	
15:15	17:00	1:45	P&A(Trip)	Resume RIH to 2987mBRT.	
17:00	17:30	0:30	P&A(C&C)	Break circ w/160spm x 9.0-9.2MPa. Spot 30m3 Hi-Vis mud.	
17:30	18:00	0:30	P&A(Trip)	POOH to 2878mBRT slowly.	
18:00	19:00	1:00	P&A(Other)	Connect HPS and break circulation, 161spm x 8.6MPa. Make up SES x TIW x pup joint. Hook up cementing line.	
19:00	20:00	1:00	RR(N)	Attempt to conduct pressure test 2000psi, but failed due to leakage of low-torque valve on Side Entry Sub. Replace low-torque valves 3 times and attempt to pressure test same. Unsuccessfully.	
20:00	22:00	2:00	P&A	Conduct #1 Plug back cementing w/o no-torque valve beside the SES. Pressure test w/2000psi x 10min from CMTG Unit to end of CMTG manifold, OK. Pump 20 bbl of seawater, 186bbl of 1.89sg CMT slurry, 1.08bbl of seawater and displace 153bbl of 1.12 SG KNPP mud. No mud loss while cementing.	#1 Slurry Yield: 79.1 L/100kg D193 1.00 L/m3 D185 0.70 L/m3 D081 0.70 L/m3 D206 0.10 L/m3 Thickening time: Shr 15min @70Bc with 22degC BHCT.
22:00	22:30	0:30	P&A	POOH slowly to 2550mBRT.	
22:30	22:45	0:15	P&A(C&C)	Circulate two string volumes. Meanwhile, (22:40) Recover ROV for fill bottle with glycol.	
22:45	23:00	0:15	P&A(Trip)	POOH to 2460mBRT.	
23:00	24:00	1:00	P&A(Other)	Wait on cement. Boost riser w/60spm x 0.1MPa. Pump to confirm circulation at 30 min interval.	

Time Breakdown (00.00 - 06.00 on 25-Nov ) : The data on 00.00 - 06.00 is unofficial.

From	To	Hrs	Code	Detail of Operation
0:00	4:45	4:45	P&A(Other)	Continue WOC. Meanwhile, (01:05) dive ROV. Repair encoder of HPS. Swap spinning wrench and tong of iron roughneck of main hole for auxiliary. Set mud bucket. Continue circulate with booster, 60spm. T Gas Max: 1.03% @14136cts (actually 17140cts).
4:45	6:00	1:15	P&A(Trip)	RIH to 2805.7mBRT (21.8m above 20' casing shoe) * Couldn't confirm top of cement.

Bit No.	Size (in)	MFR	Type	IADC Code	S/No.	Nozzles	Depth (mBRT)	Meter-age	Hrs.	WOB (kN)	rpm	Total Rev. (krev)	Dull Condition								
							From To			Min. Max.	Min. Max.		Inner	Outer	Dull	Loc.	B	G	O.D.	RP	

BHA Record : Diverter : \*Diverter x S'DP S-140 46stds x XO x S-12'DP S-150

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 / Out)	n	K
KNPP	04:00	Pit	1.12	85	32	34	6 / 8	3.8	0.5	11.3	0.3	63,900	0.1	0	6.0	28,700	1.7	1.00	15 / 15	0.57	1.89
KNPP	16:50	Pit	1.12	95	33	32	6 / 9	4	0.5	11.2	0.3	60,300	0.1	0	6.0	30,300	1.9	1.00	17 / 17	0.58	1.67
		Hi-vis	1.12	261	60	62	17	21	11.1										17	0.46	7.34

Mud Pumps : 14-P-220 @ 2878.0 mBRT 4.88 gallon/stroke @97%				Personnel @24:00				Mud Materials on Board @24:00hrs (unit: kg)																		
No.	Liner Size	SPM	GPM	Press. (MPa)	Ann. Vel. (m/min)	DC	DP	CDEX	Received	Used	Stock															
1	6"							8	Barite (Bulk)	0	0	476,000														
2	6"	160	797	8.7	19	16		97	Kunigel-VO (Bulk)	0	0	65,000														
3	6"							13	NaOH	0	0	1,175														
								5	Lime	0	0	440														
								3	NaCl	0	0	31,000														
								18	KCl	0	0	26,000														
								2	Tel-Polymer DX / L / H	0/0/0	0	54204/1202/180														
								6	KCD-Polymer	0	0	75	1,075													
								0	Soda Ash	0	0	1,350														
								2	KOH	0	0	850														
								0	Bi-Carbonate	0	50	1,050														
								0	Clean Lube	0	0	6,000														
								1	Tel DD	0	0	3,400														
								4	Lignite NC	0	0	4,800														
								2	Astex S	0	0	0														
								0	Schlumberger-CMT	0	0	0														
								0	Schlumberger-DD	0	0	600	1,680													
								0	Schlumberger-LWD	0	0	0	224/160													
								0	Frank's	0	0	54	16	342												
								0	Bloch Voss	0	0	0	1,232													
								0	NOV-Andersramer	0	0	0	110													
								2	Shinsei kogyo	0/0	0/0	2160/1000														
								0	Tel Mica C / M / F	0/0/0	0/0/0	1500/480/1000														
								0	Tel Plug C / M / F / FF	0/0/0	0/0/0	1500/3000/5000														
								0	Tan Cal C / M / F / FF	0/0/0/0	0/0/0	2700/2010/200/2100														
								0	EZ Spot	0	0	550														
								0	Speeder P / X	0	0	1,700/1,700														
								0	Restler	0	0	0														
								0	Telmite OS-S	0	0	120														
								0	Telmite HEC	0	0	100														

Geologic Information		Shale Shaker		Materials Stock on Board @24:00	
From	To	Lithology of cuttings	No.1	No.2	No.3
			#20 x 3/110 x 4	#20 x 3/110 x 4	#20 x 3/110 x 4
			No.4	No.5	No.6
			#20 x 3/110 x 4	#20 x 3/110 x 4	#20 x 3/110 x 4
			No.1	No.2	No.3
			0.00	0.00	0.00

Mud Volume (m3)		Mud Properties		Mud Materials on Board @24:00hrs	
Item	Unit	Received	Used	Stock	Item
Fresh Water	m3	89.3	89.1	318.5	Barite (Bulk)
Portable Water	m3	0.0	3.3	338.5	Kunigel-VO (Bulk)
Drill Water	m3	0.0	7.8	1,880.2	NaOH
Fuel	m3	0.0	62.4	4,248.4	Lime
Lube Oil	Ltrs	0.0	800.0	93,000.0	NaCl
Heil Fuel	Ltrs	0.0	800.0		KCl
Cement "G"	ton	0.0	0.0	327.0	Tel-Polymer DX / L / H
					KCD-Polymer
					Soda Ash
					KOH
					Bi-Carbonate
					Clean Lube
					Tel DD
					Lignite NC
					Astex S
					Schlumberger-CMT
					Schlumberger-DD
					Schlumberger-LWD
					Frank's
					Bloch Voss
					NOV-Andersramer
					Shinsei kogyo
					Tel Mica C / M / F
					Tel Plug C / M / F / FF
					Tan Cal C / M / F / FF
					EZ Spot
					Speeder P / X
					Restler
					Telmite OS-S
					Telmite HEC

Boat Information @24:00		Weather Information	
Boat Name	Status	Temp. (degC)	Barometer
Kaiyu	Chikyū	Air	SW
Shincho-maru	Chikyū	13.5	1019.8
Hakuryu-maru	Chikyū	22.1	1019.8
		Wind	Wave
		Speed (m/s)	Dir. (deg)
		15.3	10.0
		16.5	16.5
		Height (m)	Dir. (deg)
		1.8	20
		6.2	6.2
		Current	Visibility
		Speed(knt)	Dir. (deg)
		2.8	108
		28.0	28.0

Today's Schedule : Pressure test to #1 cement plug. POOH to 2467.5mBRT. Spot Hi-vis. #2 P/B CMTG. POOH to above BOP and displace sea water in riser.

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