

Chikyu DAILY MORNING REPORT

Mission No. : CK12-02

Exp. No. : Exp 343

Report No. : 25

Site Name : JFAST3 Hole Name : C0019B Lat. : 37°56.3367N Long. : 143°54.8100E Report Date : 26/Apr/2012  
 Depth : @24:00 7,768.5 mBRT 856.5 mbsf Progress : 280.5 m Seabed Depth : 6,912.00 mBRT RT-MSL : 28.5 m  
 Depth : @06:00 7,768.5 mBRT 856.5 mbsf Drilling/Coring/Jetting Hrs. : 17.50 hrs LAST CASING : x mbsf  
 Summary of Operation : 25-Apr : Trouble shoot Schlumberger Geo Graph Unit. Continue to Drill 8-1/2"LWD Hole to TD. POOH with repeat logging.  
 Present Operation to 06:00 on 26-Apr : Continue to POOH with repeat logging.  
 Time Breakdown ( 00:00 - 24:00 on 25-Apr ) mBRT: meter below rotary table  
 mbsf: meter below sea floor

From	To	Hrs	Code	Detail of Operation
0:00	0:30	0:30	Trip	Continue RIH from 7349m to 7462m.
0:30	1:45	1:15	Other	Circulate until trouble shoot Schlumberger geograph unit @7462m; 5MPa @60spm, 1.0-1.7 kN m @8rpm.
1:45	2:15	0:30	Trip	RIH from 7462m to bottom. Tag @7488m. No fill.
2:15	12:15	10:00	DRL	Drill ahead from 7488 to 7639m (151m), ROP ave. 24.4m/hr. Take MWD survey every stand. Pump Hi-vis 10m3 every joint and spot 20m3 from 7604m. Take survey after last stds. Drilling. Spot Hi-vis 20m3.
12:15	14:00	1:45	Trip	Short trip from 7639m to 7386m. No overpull observed. Rack back 3 quad and 5 triple stands. RIH from 7386m to 7490m. No drag observed.
14:00	14:30	0:30	Other(N)	Trouble shoot position sensor of DES.
14:30	15:15	0:45	Trip	RIH 7490m to bottom. No drag observed. No fill.
15:15	22:45	7:30	DRL	Drill ahead from 7639 to 7768.5m (129.5m) ROP ave. 27m/hr. Take MWD survey every stand. Pump Hi-vis 10 m3 every joint. @7753m obvious formation border observed from LWD data. Seem to drill down to Chert formation. @7768m Rate of penetration slow down suddenly to less than 10 m/h w/100kN of WOB for 40min. decision made to stop drilling and plan to relog while POOH.
22:45	23:00	0:15	Circ	Circulation bottom's up 700gpm x 27.5MPa.
23:00	24:00	1:00	Trip	POOH to 7755m@ 24:00. Meanwhile LWD re-logging w/500gpm, 100rpm, 25m/h.

  

Drilling parameter				MWD data						
from(mBRT)	to(mBRT)	HPS(RPM)	R/T(kNm)	P/R(spm)	P/P(MPa)	WOB(kN)	mBRT	inclination (deg)	azimuth (deg)	
7488	7491.2	160	2-11	140	25.5-26.5	10-42	7476.6	3.90	351.72	
7491	7526	160	2-14	140	25.5-26.5	10-42	7504.9	4.22	351.85	
7526	7554	160	2-14	140	25.5-26.5	12-74	7532.5	4.65	352.75	
7554	7582	160	2-11	140	25.0-26.5	25-55	7561.3	4.92	355.71	
7582	7610	160	2-10	140	25.5-26.5	25-60	7589	5.48	352.73	
7610	7639	160	2-10	140	25.0-26.5	25-60	7621.7	5.96	355.13	
7639	7677	160	2-10	140	25.0-26.5	25-60	7627.6	6.03	356.23	
7677	7705	160	2-13	140	25.7-26.4	10-65	7656.1	6.31	352.35	
7705	7734	160	3-14	140	25.0-26.5	25-60	7685	7.11	354.55	
7734	7762	90-160	3-14	140	25.4-27.8	10-55	7713.2	7.62	354.47	
7762	7768.5	85-165	3-18	140	25.4-26.8	20-100	7741.3	8.27	355.55	

※ During drilling drillstring was vibrated due to the contact against GH the wear bushing (probably damaged warned).  
 Slow down rotated and variedly low string to pass through.

Time Breakdown (00:00 - 06:00 on 26-Apr ) \* The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	Detail of Operation
0:00	6:00	6:00	Trip	Continue to POOH to 7472mBRT. Conduct to repeat logging w/LWD with pumping 500gpm, rotating 100rpm and pulling string out of hole with 30m/h trip speed. LWD Repeat section (bit depth) ① from 7767.5m to 7725.0mBRT (42.5m) ② from 7655.0m to 7600.0mBRT (55.0m) Planned ③ from 7305.0m to 7253.0mBRT (52.0m) No obvious overpull observed. Rack back 6-5/8" Z-140 drill pipe stand separately with 95%RBW and 93.7%RBW (19 stds of 3joints stands rack back for next drilling)

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					
1	8.5	Smith	MDSI713 UBXP	M333	JF6234	7 x 12	6,912	7,768.5	856.5	31.24	0	100	80	160	225.0														

BHA Record		Hook Wt. (kN) @
LWD 1	Bit x Bit Sub x XO x GVR-6 x ARC-6 x Telescope 675 HF x NonMag DC x 8-1/4"Stab x XO x 6-3/4"DC 8stds. x Jar x 6-3/4" 7stds. x XO x 5.68"HWDP 12stds. x XO x 5"S-140 DP Pre. 59stds. x 5-1/2"S-140 DP Pre. 36stds. x 5-1/2"S-150 DP Pre. 53stds. x 5-1/2"S-150 DP New 26stds. x 6-5/8"Z-140 DP New	7,768 mBRT

Mud Properties		Mud Materials on Board @24:00hrs (unit: kg)															Helicopter Information											
Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St.	WL	Cake	pH	Pf	Cl-	K+	LGS	PPG	MBC	n	K	Temp In	Temp Out	Fit. No.	Arrived	Time	Departed	Are.	Passenger	Dept.	
Sea Water Gel (special)	24:00	Pit	1.04	114	11	49	29	32		10.0							0.24	13.20	15									

Mud Pumps : 14-P-220 @ 7768.5 mBRT 5.00 gallon/stroke @97%					
No.	Liner Size	SPM	GPM	Press. (MPa)	Ann. Vel. (m/min)
1	6	140	700	27.5	-
2	6				
3	6				

Geologic Information		Litho logy		2012.04.25	
From	To				
7488	7753	Mud stone	(interbedded locally with Sand/Sand stone)		
7753	7765.5	Chert			
7765.5	7768.5	Basalt (not detected byLWD)			

Materials Stock on Board @24:00				
Item	Unit	Received	Used	Stock
Fresh Water	m3	99.0	78.5	329.4
Potable Water	m3	0.0	8.1	227.4
Drill Water	m3	0.0	358.0	1,206.7
Fuel	m3	0.0	45.7	3,102.8
Lube Oil	Ltrs	0.0	600.0	106,700.0
Heli Fuel	Ltrs	0.0	0.0	800.0

Boat Information@24:00			
Boat Name	Status	Time	
		Departed	Arrived
No.18 Kaiko-Maru	Chikyu		
kaiko	-		

Weather Information													
Time	Weather	Temp. (degC)		Barometer (hPa)	Wind			Wave		Current	Visibility (km)		
		Air	SW		Speed (m/s)	Dir. (deg)	Gust (m/s)	Height (m)	Dir. (deg)			Period (s)	
24:00	bc	13.5	13.6	1017.1	3.1	125.0	5.7	1.9	0	8.1	0.7	335	22

Today's Schedule : Continue to POOH LWD Assembly to surface.

Personnel @24:00	
CDEX	16
MQJ Crew	96
MQJ (Other)	1
MWJ	19
Scientist	29
Telnite	1
Sch-LWD	3
Sch-WL	1
Magnum	2
Franks	0
WWT	0
OCC	2
NOV	2
Kalyodenshi	0
Core-IRM	0
Other	4
Total	176

Mud Volume (m3)	
Pre-Hyd.	389
Kill mud (1.30sg)	71
Premix SW	70
Sea Water Gel	111

Mud Materials on Board @24:00hrs (unit: kg)			
Item	Received	Used	Stock
Barite (Bulk)	0	0	557,500
Bentonite (by S.Lanka)	0	5,600	0
Kunigel-VO (Bulk)	0	16,000	196,000
NaOH	0	325	8,850
Lime	0	300	8,800
XCD-Polymer	0	0	100
Rester	0	0	3,000
Baracor-100 (gal)	0	0	110
Telnite OS-5	0	0	120
	0	0	0
	0	0	0
	0	0	0
	0	0	0
	0	0	0
	0	0	0

Marine Information @24:00	
Heave (m)	0.5
Pitch (deg)	0.4
Roll (deg)	0.3
Vessel Heading (deg)	80
Riser Tension (ton)	-
V.D. Load (Moon)	12241.9
Max Draught (m)	9.0
Thruster (kW)	730

Safety (HSE) and other information					
Incident	Last Incident	No. LTA			
LTA					
HUNS cards		10			
Remarks General safety Meeting (7:30 & 13:00)					