

Chikyu DAILY MORNING REPORT

Mission No. : C0022

CK12-06

Exp. No. : Exp 338

Exp 338

Report No. : 90

90

Site Name : C0022 **Hole Name :** C0022A **Lat.** 33°10.0680'N **Long.** 136°43.4540'E **Report Date :** 30/Dec/2012
Depth : @24.00 3,124.50 mBRT 420.00 mbsf **Progress :** 284.50 m **Seabed Depth :** 2,704.50 mBRT **RT-MSL :** 28.5 m
Depth : @06.00 3,124.50 mBRT 420.00 mbsf **Drilling/Coring/Jetting Hrs. :** 13.00 hrs **LAST CASING :** - x - mbsf(- mBRT)

Summary of Operation on 29-Dec : WOW. Resume drill LWD hole to TD. Spot kill mud. POOH to surface.
Present Operation on 30-Dec : Load material in low current area. **mBRT: meter below rotary table**
mbsf: meter below sea floor

From	To	Hrs	Code	Detail of Operation	Weather Condition
0:00	3:00	3:00	WOW	WOW due to rough weather. DP status change Yellow to Advisory @ 01:00 DP status change Advisory to Green @ 03:00.	Time Ave (m/s) 13.3 Dir. (deg) 19 Gust (m/s) 14.4 Wave Height (m) 3.3 Period (s) 7.9 Current Speed (knot) 3.6 Dir. (deg) 86
3:00	3:30	0:30	Trip	Run LWD assembly to 2800mBRT.	02:00 13.3 19 14.4 3.3 7.9 3.6 86 04:00 9.3 34 10.2 3.0 7.9 2.9 83
3:30	3:45	0:15	C&C	Engage HPS. Confirm MWD signal - OK. Ream down to 2840mBRT with 140spm x 10.8-11.2MPa, 50rpm x 0-1.6Knm.	
3:45	16:45	13:00	Drig	Drill 12-1/4" LWD hole 2840-3124.5mBRT (135.5-420.0mbsf, 294.5m). 140-160spm x 11-15.4MPa (increase pump rate for decrease noise of signal). HPS: 80rpm x 0.6-9.2kN-m. WOB: 0-54kN Control drilling around 40m/h (adjust auto driller ave 40-50 m/h & max ROP 50-65m/h). Sweep 5m3 of SWG per stand. Meanwhile Lay down DP in auxiliary well. 5'DP (S-140) 12js (total 44 js) that used in bottom section when pipe stuck. 5-1/2'DP (S-140) 8js (total 8 js) that used at surface when pipe stuck.	Survey Data Depth (mBRT) 2,862.46 inclination (deg) 0.29 azimuth (deg) 291.96 2,900.39 0.32 318.11 2,939.10 0.43 340.66 2,977.01 0.49 347.72 3,014.74 0.58 350.18 3,052.63 0.64 351.55 3,091.38 0.67 350.54
3:45	17:15	13:30	P&A	Spot 1.30kg kill mud 33.4m3 and displace seawater 14.2m3.	
17:15	18:30	1:15	Trip	POOH LWD BHA to 2692.6mBRT. No observed over pull during POOH. Find damage of box side at top joint of #25 stand of 5-1/2" S-150. Lay out damage joint. Pick up and connect the other single joint.	
18:30	19:30	1:00	C&C	Flush seawater 2 string volume, 160spm x 13.7MPa.	
19:30	24:00	4:30	Trip	Continue POOH LWD BHA to 608.7mBRT.	
Current survey at low current area (below 2.0knot, around 6-8 miles North from C0022 site) by Hakuryu-maru.					

From	To	Hrs	Code	Detail of Operation
0:00	3:15	3:15	Trip	Continue POOH LWD BHA to surface. (01:15-01:45) Lay out drilling jar (01:45-03:15) Rack back Drill collar stand. (00:15-03:15) Start drifting w/0.5-1.0knot to mitigate VIV while POOH. (@ 3:15) bit above sea level.
3:15	5:30	2:15	Move	Move to low current area (10mile North from the site) to load bentonite (bulk) and materials. Meanwhile (03:15-04:45) Break bit. Lay out LWD assembly. Bit condition - same as before running. Upper and near bit stabilizer gauge: 12-1/8". (04:45-06:00) Dump LWD data. OK (04:45-06:00) Lay down 5-7/8"NK155 landing string Bjs. (while loading material, on going)
5:30	6:00	0:30	Other	Supply boat approach to Chikyu on going.

Bit No.	Size (in)	MFR	Type	ADC Code	S.No.	Nozzles	Depth (mBRT)	Meter- age	Hrs.	WOB (kN)	rpm	Total Rev. (krev)	Inner	Outer	Dull	Loc.	Condition	B	G	O.D.	RP
RR2g	12.25	NOV	DSH060D-I2	423	A162762	12 x 7, 11 x 2	2704.50 - 3124.50	420.0	10.58	0 - 54	15 - 90	48.6	1	2	B4,C17	S	X	I	WT	TD	

LWD	RR2d	12-1/4"Bit x GVR-8 with 12-1/8"Stab (with float valve) x ARC-8 x Telescope 825HF x NM XLO sub x NMDC x 12-1/8"Stab x 8-1/2"DC(9) x 7-3/4"LI Jar x 8-1/2"DC(3) x XO x 5-1/2"DP S-150(12) x XO x 5"DP S-140(42stds) x XO x 5-1/2"DP S-150.	Hook Wt. (kN) @24.00	3,121.1	mBRT
			BHA (below 3stds of 5-1/2"DP S-150)		390
			BHA (below 8-1/2"DC)		345
			Below Jar		235
			Hook load		2193
			Hook block w/HPS		720

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
SWG	Pit	1.04	81	9	47	18	19			10.5									18	0.22	14.66
kill mud	Pit	1.30	92	32	38	18	32			10.7									20	0.54	2.37

Mud Pumps	14-P-220	@ 3122.5 mBRT	4.98	gallon/stroke @97%			
No.	Liner Size	SPM	GPM	Press. (MPa)	Ann. Vel. (mm)	DC	DP
1	6"	160	797	15.0	102		56
2	6"						
3	6"						

Personnel @24.00	Item	Received	Used	Stock
CDEX	Bottle (Bulk)	0	0	321,000
MUJ crew	Kumage-VQ (Bulk)	0	0	2,000
MUJ (add subsea E)	NaOH	0	0	0
MWJ	Lime	0	120	1,700
Scientist, IODP	NaCl	0	0	14,000
Telnite	KCl	0	0	0
Oceaneering	Tel-Polymer DX / L / H	0/0/0	0/0/0	0/0/620
NOV	XCD-Polymer	0	0	325
Mt Swaco	Soda Ash	0	0	250
AXON	KOH	0	175	2,050
SES	Bi-Carbonate	0	0	0
Vetcogray	Clean Lube	0	0	6,400
Geoservices	Tel DD	0	0	0
Schlumberger-CMT	Lignite NC	0	0	0
Schlumberger-WL	Astex S	0	0	0
Schlumberger-LWD	Treat HS	0	0	0
Frank's	Defoamer 20C / 15	0/0	0/0	160/0
NOV-Andersreamer	Telnite CXL	0	0	0
Core-IRM	Tel Clean	0	0	0
Prehy Gel (1.05kg)	Baracor-100 (gal)	0	0	0
	Riser inspector	0	0/0	0/0
	Tel Stop G / P / F	0/0/0	0/0/0	0/0/0
	Tel Mica C / M / F	0/0/0	0/0/0	0/0/0
	Tel Plug C / M / F	0/0/0	0/0/0	0/0/0
	Tan Cal C / M / F / FF	0/0/0/0	0/0/0/0	0/0/0/0
	EZ Spot	0	0	0
	Kil Mud (1.30kg)	0/0	0/0	0/0
	Spreader P / X	0	0	0
	Realer	0	0	0
	SWG (1.04kg)	0	0	120
	Telnite OS-5	0	0	0
	Telnite HEC	0	0	0

Materials Stock on Board @24.00	Item	Unit	Received	Used	Stock
Fresh Water	m3	87.0	89.3	294.5	
Potable Water	m3	0.0	12.0	240.8	
Drill Water	m3	0.0	0.9	833.7	
Fuel	m3	0.0	57.6	2,431.3	
Lube, Oil	Ltrs	0.0	0.0	67,400.0	
Hel Fuel	Ltrs	0.0	0.0	800.0	
Cement "G"	ton	0.0	0.0	280.0	

Boat Name	Status @24.00	Time @Chikyu
Shincho-manu	Chikyu	09:45
Hakuryu-manu	Chikyu	10:10

Time	Weather	Temp. (degC)	Barometer	Wind	Wave	Current	Visibility						
24.00	c	16.5	21.2	1018.8	9.2	131.0	10.7	1.7	0	7.8	4.1	85	22.0

Today's Schedule : Loading and off loading. Move back to C0022 site. Run HPCS /ESCS coring assembly.

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