

Chikyu DAILY MORNING REPORT

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

Report No. : 42

Site Name : C0002 Hole Name : C0002F Lat. 33° 18.0507'N Long. 136° 38.2029'E Report Date : 12/Nov/2012
 Depth : @24.00 3,973.00 mBRT 2005.50 mbsf Progress : 10.00 m Seabed Depth : 1,967.50 mBRT 642.5 RT-MSL : 25.5 m
 Depth : @06.00 3,973.00 mBRT 2005.50 mbsf Drilling/Coring/Letting Hrs. : 2.50 hrs LAST CASING : 20 x 860.30 mbsf 2,827.8 mBRT
 Summary of Operation on 11-Nov : Drill 12-1/4" x 20" LWD hole with Anderreamer. Repair mud pump. POOH for WOW. Pressure test for DVS ram.
 Present Operation to 06:00 on 12-Nov : Pressure test for DVS ram.

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

From	To	Hrs	Code	Detail of Operation
0:00	0:30	0:30	DRL	Drill 12-1/4" x 20" LWD hole with Anderreamer 3963-3966mBRT. 3m. WOB: 50-180KN, pump: 240spm x 30.9-33.9MPa, HPS: 150rpm x 11-16.8KN-m. Change out wash pipe mechanical seal SS2.
0:30	1:15	0:45	RR(N)	Resume to drill 12-1/4" x 20" LWD hole with Anderreamer 3963-3973mBRT. 7m.
1:15	3:00	1:45	DRL	WOB: 93-155KN, pump: 240spm x 30.4-32.8MPa, HPS: 150rpm x 10.9-17.0KN-m. Change out for worn out two pistons of #2 mud pump. Meanwhile, work pipe with HPS: 45rpm and pump: 100spm x 8.1MPa
3:00	4:00	1:00	RR	Resume to drill 12-1/4" x 20" LWD hole with Anderreamer to 3973mBRT.
4:00	4:15	0:15	DRL	Check surface line and troubleshoot on mud pump due to observe pressure drop with 240spm x 30MPa to 27MPa.
4:15	7:00	2:45	RR	Change out for worn out one piston on #3 mud pump. Meanwhile, work pipe with HPS: 45rpm and pump: 100spm x 5.5MPa. Check all valve and strainer on #2 pump due to pressure lower than before (8.1MPa vs 5.5MPa).
7:00	8:00	1:00	C&C	Circulation and work pipe with 240spm x 32.2MPa and HPS: 25rpm. Decision make for POOH above BOP and wait on weather due to exceed operation criteria of southern winds by weather news. ROF max: 11.5m/hr, ave: 5.9m/hr, MG max: 0.5%, base: 0.3%.
8:00	12:00	4:00	WAIT (Trip)	POOH to 2720mBRT for WOW.
12:00	12:45	0:45	RR(N)	Troubleshoot burst hydraulic hoses for retract HPS @2720mBRT, repair same.
12:45	15:15	2:30	WAIT (Trip)	Resume POOH to 1904mBRT. No over pull Bit. CST and Anderreamer through 20"CSG shoe and BOP. Flow check "stable".
15:15	24:00	8:45	WAIT	WOW. Standby operation. (15:15-17:00) Displace sea water to kill, booster and choke lines, recover KNPP mud. (17:00-20:45) Troubleshoot malfunctions for DVS ram with manifold pressure and hi pressure close. Function time of close side: over 2min (normal wintermediate flow 20-23sec) on both POD. Flow count deviation difference: open 40 L / close 120L (Normal open 80 L / close 90 L) on both POD. Function time over 1min (normal 55-65sec) Flow count deviation difference: open 280 L / close 330L, OK (20:45-23:00) Circulation and bottoms up with KNPP mud for DVS pressure test. (23:00-24:00) Pressure test for DVS ram with formation. (No isolated) Displace KNPP mud to kill line by CMTG unit. Test kill line with 1000psi x 5min "OK". #1 pressure test for DVS ram, max: 196psi with 0.2bpm, after 10min: 104psi, pump: 2.5bbl return: 0.8bbl, inject: 1.7bbl. Closed time 2-3min, w/120 L fluid flow. Observe no leakage on surface. Shincho-maru depart from Chikyu w/total 13ea full cutting skips @02:20. ROV on deck and repair same. 1510 Dive ROV, could not inject glycol due to heave, stand by @well head. Evacuation Kaiyu to Shingu, Hakuryu-maru to Katsurua. Current survey around C0002 site by supply boat and watch boat. Kaiyu - (00:00-09:10) max 4.2 knot, 5 miles SW from Chikyu and at the site for loading. Shincho - (00:00-02:20) max 4.9 knot, at site for loading. Hakuryu - (00:00-08:05) max 4.5knot, 5miles & 1 mile SW from Chikyu. Chikyu - (00:00-24:00) max 5.1 knot, Doppler data.

Survey Depth mBRT	Inc. deg	Azimuth deg
3947.96	0.95	139.78

Time	Current (knot)	Wind (m/s) average	MAX
08:00	3.9	10.3	14.7
09:00	4.5	NA	13.1
10:00	4.1	NA	16.3
11:00	4.2	NA	15.7
12:00	4.1	NA	14.7
13:00	4.1	NA	15.7
14:00	3.8	NA	16.9
15:00	4.5	NA	17.7
16:00	4.3	NA	21.2
17:00	4.3	NA	18.9
18:00	4.0	NA	21.1
19:00	4.2	NA	18.4
20:00	4.3	NA	20.9
21:00	4.6	NA	16.6
22:00	4.8	NA	13.1
23:00	5.1	NA	12.5
24:00	4.4	NA	13.5

16:00 advisory status, 24:00 green status

From	To	Hrs	Code	Detail of Operation
0:00	3:15	3:15	BOPE (N)	Pressure test for DVS ram with formation. #2 pressure test for DVS ram, max: 196psi with 0.2bpm, after 12min: 110psi, pump: 2.1bbl return: 0.6bbl, inject: 1.5bbl. No observe leakage on surface. Closed time 2-3min, w/120 L fluid flow. Observe no leakage on surface. #3 pressure test for DVS ram, widosing time 30 sec. Unsuccessfully couldn't hold pressure w/0.3bpm over 80psi. Observe leakage on surface. #4 pressure test for DVS ram, widosing time 30 sec. Unsuccessfully couldn't hold pressure w/0.3bpm over 80psi. Observe leakage on surface. #5 pressure test for DVS ram, widosing time 40 sec. Unsuccessfully couldn't hold pressure w/0.3bpm over 80psi. Observe leakage on surface.
3:15	3:45	0:30	BOPE (N)	Attempt to RIH to confirm pipe ram to test function lower and upper variable ram with 5" drillpipe.
3:45	5:30	1:45	BOPE (N)	Find pressure drop with hot line (500psi/min). Suspend RIH and POOH above BOP. Trouble shooting of hot line. Confirm hold presser at surface line. Meanwhile ROV observe the line of BOP. Observe no leakage on BOP.
5:30	6:00	0:30	Trip	POOH from 1940m to 1850mBRT.

Bit No.	Size (in)	MFR	Type	IADC Code	S/No.	Nozzles	Depth (m)	Meter- age	Hrs.	WOB (kN)	rpm	Total Rev. (krev)	Inner	Outer	Dull Condition
1	12.25	NOV	DSH616D-12	M423	A162762	5 x 12, 4 x 13	2843.0	1,130.0	87.71	10	230	60	150	795.0	
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" LLS 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 8-1/2" DC(1) x XO

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gel St (10 ³ /10 ³)	WL	Cake	pH	Pf	Sand	Oil	Solid	K+	LGS	MBC	Temp	n	K			
KNPP	03:30	3,973	1.10	81	32	37	6	9	3.7	0.5	10.1	0.2	51,100	Tr	0	5.5	25,900	2.0	1.25	16	15	0.55	2.44
KNPP	15:00	Pit	1.10	82	32	38	7	9	3.7	0.5	10.1	0.2	51,100	Tr	0	5.5	25,900	2.0	1.25	16	16	0.54	2.37
KNPP	21:00	1,904	1.10	78	31	36	6	9	3.8	0.5	10.0	0.1	51,100	Tr	0	5.5	25,900	2.0	1.25	18	13	0.55	2.19

No.	Liner Size	SPM	GPM	Press. (MPa)	Am. Vel. (m/min)	DP
1	6"	240	1195	31.0	27	24
2	6"					
3	6"					

From	To	Lithology of cuttings
3898	3973	Claystone

No.1	#20 x 3/8x30 x 4	No.2	#20 x 3/8x30 x 4	No.3	#20 x 3/8x30 x 4
No.2	#20 x 3/8x30 x 4	No.5	#20 x 3/8x30 x 4	No.2	8.00
No.3	#20 x 3/8x30 x 4	No.6	#20 x 3/8x30 x 4	No.3	8.00

Item	Unit	Received	Used	Stock
Fresh Water	m3	121.4	87.2	259.2
Potable Water	m3	0.0	17.1	165.1
Drill Water	m3	0.0	30.7	2,019.7
Fuel	m3	0.0	68.0	5,041.4
Lube, Oil	Ltrs	0.0	0.0	101,300.0
Heli Fuel	Ltrs	0.0	0.0	800.0
Cement "G"	ton	0.0	0.0	356.0

Boat Name	Status	Time @Chikyu
Kaiyu	Shingu	09:10
Shincho-maru	Shingu	02:20
Hakuryu-maru	Katsura	08:05

Time	Weather	Temp. (degC)	Barometer	Wind	Wave	Current	Visibility
24:00	o	18.5	1011.5	12.5 ; Dir: (deg)	3.4 ; Dir: (deg)	140 ; Period (s)	9.0 ; Speed(knt) ; Dir: (deg)

Today's Schedule : POOH. Plug back cement

Item	Received	Used	Stock
Barte (Bulk)	0	3,800	477,000
Kunigel-VO (Bulk)	0	0	65,000
NaOH	0	0	1,175
Lime	0	0	520
NaCl	0	2,000	35,000
KCl	0	0	38,000
Tel-Polymer DX / L / H	0/0/0	0/0/0	6860/5080/2800
XCD-Polymer	0	0	1,575
Soda Ash	0	0	1,925
KOH	0	0	1,450
Bi-Carbonate	0	0	550
Clean Lube	0	0	10,400
Tel DD	0	0	3,400
Lignate HC	0	0	4,800
Astax S	0	0	0
Treat HS	0	0	2,280
Defoamer 30C / 15	0	0	224,160
Telhte 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	1500/3000/500
Tan Oil C / M / F / FF	0/0/0/0	0/0/0	2700/2010/1200/2100
EZ Spot	0	0	550
Spender P / X	0	0	1,700/1,700
Rester	0	0	0
Telhte OS-5	0	0	120
Telhte HEC	0	0	100

Item	Stock
Kill Mud (1.30g)	44
KNPP Mud (1.10g)	183
KPP Mud (1.07g)	365

Load (E)	Empty
Kaiyu	Full
Shincho-maru	Back up
Offload (F)	S Boat (E / F)
Kaiyu	@ Shingu
Shincho-maru	total

Fit. No.	Time	Passenger
1	Arrived	Dept.
2		
3		

Incident	Incident	No. LTA
LTA		
HUNS cards	33	
Remarks		
Emergency drill @10:00.		

Heave (m)	0.5
Pitch (deg)	1.0
Roll (deg)	0.4
Vessel Heading (deg)	277
Riser Tension (kN)	8400
V.D. Load (Moon)	13302.3
Max Draught (m)	9.0
Thruster (kW)	6760

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