

Chikyu DAILY MORNING REPORT

Mission No. : CK13-04

Exp. No. : Exp 348

Report No. : 95

Site Name : C0002 Hole Name : C0002P Lat. : 33° 18.0507'N Long. : 136° 38.2029'E Report Date : 17/Dec/2013
 Depth : @24.00 : 3927.4 mBRT 1959.9 mbsf Progress : 5.40 m Seated Depth : 1,967.50 mBRT RTASL : 28.5 m
 Depth : @06.00 : 3942.0 mBRT 1974.5 mbsf Drilling/Coring/Jetting Hrs. : 1.00 hrs LAST CASING : 13-3/8" x 1,936.50 mbsf(3,904.0 mBRT)
 Summary of Operation on 16-Dec : Make up and RIH 12-1/4" kickoff BHA. Slip & cut drill line. Continue RIH to window. Drill 12-1/4" hole.
 Present Operation @ 06:00 on 17-Dec : Drilling 12-1/4" hole.
 Time Breakdown (00:00 - 24:00 on 16-Dec) mBRT: meter below rotary table
 mbsf: meter below sea floor

From	To	Hrs	Code	Detail of Operation
0:00	7:15	7:15	Trip	Make up 12-1/4" kick off BHA to 156mBRT. Change bend angle to 1.5deg. measure offset angle between motor and MWD. Conduct MWD test at 1st HWDP stand. 800gpm x 11.5MPa - OK.
7:15	10:30	3:15	Trip	RIH 12-1/4" BHA to 1904mBRT. Fill up every 15 stands.
10:30	10:45	0:15	Other	Conduct kick drill.
10:45	15:30	4:45	Other	Slip & cut drill line. TM: 8307.4
15:30	23:00	7:30	Trip	Continue RIH to 3920mBRT. Fill up every 15 stands. Take SCR and CLPP @3963.36mBRT. Work drill string and confirmed RI-side. Scribe vertical line on the drill pipe. Wash down to 3920mBRT. 800gpm x 24.6MPa. start rotating 50rpm x 10-20kN-m and ream to 3921.1mBRT. HPS stall @3921.1mBRT. SPP to 29.4MPa. Orient TF and run back to 3922mBRT.
23:00	24:00	1:00	DRL	Drill 12-1/4" hole 3922.0-3927.4mBRT (1967.5 - 1959.9mbsf, 5.4m). WOB 30kN 800gpm x 25.7 - 26.8MPa. and slide to 3925.0mBRT. ROP: ave 4.0m/hr. Rotate from 2925 to 3927mBRT. WOB: 50kN, 800gpm, 25.6 - 26.9MPa, 80rpm, 10 - 17kN-m, ROP: ave 8.4m/hr. Increase MW to 1.23cg.

	Angle	Deg
LFJ	0.0	0
LMPR	130.0	0.5
BOP	170.0	0.5

SCR	20	30	40	(spm)
MP1	380	460	525	(psi)
MP2	375	420	500	(psi)

	from	to
Slide	3922	3925
Rotate	3925	3931
Slide	3931	3934
Rotate	3934	3940
Slide	3940	3943

Note:
 Offload Weatherford equipment (Whipstock, used mill and Fishing tool) and 3 full skips to KAIYU.
 Glycol injection: BOP: 75gal. Recover ROV to surface. Change liner protector.
 Sea current: Chikyu 1.9 - 3.6knot. SW 5mile 2.7 - 4.5 knot.
 * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	Detail of Operation
0:00	6:00	6:00	Trip	Continue drill from 3927 to 3943mBRT. Av. ROP=6.3m/hr. 3m slide, 6m rotation. Slide: 20-40WOB, 800gpm, 25.7MPa. Rotation: 40-150kN, 800-850MPa, 24.9-27.6MPa, 50rpm, 6.7kN-m. Inclination: 0.43 @3917.66, 0.82 @3926.54, 0.85 @ 3929.02mBRT. Increase MW to 1.25cg.

	from	to
Slide	3922	3925
Rotate	3925	3931
Slide	3931	3934
Rotate	3934	3940
Slide	3940	3943

Note:
 Sea current: Chikyu 2.8 knot. SW 5mile 2.9 knot @ 6:00.

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	Dull Condition
6	12.25	Smith	XR-CPS	117	PW8782	22 x 3, 19 x 1	3922.00	3,927.40	5.4	0.85	0	14.0				

#	Kick off	Bit x Motor x 1/2" Slab x HOC x DH screen x Float Sub (w/Float) x 8-1/2"DC(12) x Drilling Jar x 8-1/2"DC(2) x XO x 5.68"WDHP(12) x XO x 5"DP S-140 44stds x 5-1/2"DP S-140 21stds x XO x 5-1/2"DP S-150 25stds x XO x 6-5/8"DP Z-140	Hook Wt. (kN) @	3927.4 mBRT
			Hook Load	2,539
			BHA	360
			Below HWDP	310
			Below Jar	270
			Hook + HPS	730
			Hook block	307

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gal St (10', 10')	WL	Cake	pH	PI	Cl-	Sand	Oil	Solid	MBC	Temp (In/Out)	K+	n	K	LGS		
KNPP	5:00	Pit	1.18	94	40	39	5	9	3.3	0.5	11.9	0.2	87,400	0.3	0	9.0	1.00	17		31,800	0.58	2.19	1.6
KNPP	16:00	Pit	1.18	89	41	38	4	8	3.3	0.5	11.9	0.2	92,300	0.3	0	9.0	1.00	16		31,200	0.61	0.85	1.3

Mud Pumps : 14-P-220 @ 3926.0 mBRT	5.00	gallon/stroke @97%	Personnel @24:00	Mud Materials on Board @24:00hrs (unit: kg)			
No. 1	6"		CDCEX	Item	Received	Used	Stock
No. 2	6"	160	800	26.8	19	17	
No. 3	6"						

Geologic Information	From	To	Lithology of cuttings
	3904.3	3922.0	CMT: Tr-100%, St: 0-100%
	3922.0	3927.0	Clay stone: 100%

Shale Shaker	No.1	#10, #110 x 2	No.4	#10, #145 x 2	No.1	off
No.2	#10, #110 x 2	No.5	#10, #110 x 2	No.2	off	
No.3	#10, #110 x 2	No.6	#10, #145 x 2	No.3	off	

Materials Stock on Board @24:00	Item	Unit	Received	Used	Stock
	Fresh Water	m3	90.6	93.6	(3.0)
	Portable Water	m3	0.0	7.7	(7.7)
	Drill Water	m3	0.0	6.7	(6.7)
	Fuel	m3	0.0	53.4	(53.4)
	Lube, Oil	Ltrs	0.0	1,000.0	(1,000.0)
	Heli Fuel	Ltrs	0.0	0.0	0.0
	Cement "GWC"	ton	0.0	0.0	0.0
	Cement "G"	ton	0.0	0.0	0.0

Boat Information @24:00	Boat Name	Status	Time @Chikyu	Departed	Arrived
	Kaiyu	Current survey: S 10miles		-	-
	Shinchou-maru	Chikyu		-	19:40
	Hakuryu-maru	Current survey: SW 5miles		-	-

Weather Information	Time	Weather	Temp. (degC)	SW	Barometer (hPa)	Wind Speed (m/s)	Dir. (deg)	Gust (m/s)	Wave Height (m)	Dir. (deg)	Period (s)	Current Speed (knt)	Dir. (deg)	Visibility (km)
	24:00	c	10.0	20.8	1022.5	8.8	348.0	9.8	1.4	0	6.3	3.2	108	22.0

Today's Schedule : Continue drilling 12-1/4" hole.

Reported by : S. Katoka / T.Yokoyama / S. Yamada
 Approved by : T.Sarunashi