

Chikyu DAILY MORNING REPORT

Mission No. : CK18-01

Exp. No. 380

Report No. : 13

Site Name : C0006 Hole Name : C0006G Lat. 33° 01.6388'N Long. 136°47.6463'E Report Date : 25/Jan/2018
 Depth : @24:00 4,309.0 mBRT 409.0 mbsf Progress : 10.0 m Seabed Depth : 3,900.00 mBRT RT-MSL : 28.5 m
 Depth : @06:00 4,309.0 mBRT 409.0 mbsf Drilling/Coring/Jetting Hrs. : 5.00 hrs LAST CASING : 9-5/6in x 391.00 mbsf
 Summary of Operation on 24-Jan : POOH Bi center bit BHA, MU and RIH 8-1/2"Bit DOC BHA. Re-entry, Drill out cement, Drill down formation, Wiper trip, POOH
 Present Operation to 06:00 on 25-Jan : Cont. POOH to surface.
 Time Breakdown (00:00 - 24:00 on 24-Jan)
 mBRT: meter below rotary table
 mbsf: meter below sea floor

From	To	Hrs	Code	Detail of Operation
0:00	2:00	2:00	TRIP	Continue POOH 8-1/2" x 9-7/8"Bi center bit w/motor BHA. STB OD: 8-7/16in. Motor gap 2mm (Free weight 52mm, compress 50mm)-Same as before running. Lay out mud motor.
2:00	10:15	8:15	TRIP	MU and RIH 8-1/2"Bit DOC BHA. Fill up every 15stds. STB OD: 8-7/16in. Bit In Gauge Drift vessel w/0.2knot to 50m east from well center @05:00
10:15	12:45	2:30	OTHER	Run UWTV to 7m above bit. Shift RGR to AFT and working cart to well center. Install UWTV to drillpipe. Confirmation test of Churchill Drift through Top drive by dropping from mud bucket @Drill floor; OK Meanwhile, Check pressure: 400 - 500 - 600gpm x 3.8 - 6.2 - 8.9MPa and break circulation 1 string volume w/600gpm x 9.0MPa. Break off XO & pup joint above CHRT and 6m pony above DAT.
12:45	13:15	0:30	TRIP	Lower bit w/UWTV to 3895mBRT.
13:15	14:00	0:45	OTHER	Re-entry to C0006G hole. Adjust vessel position to well center. RIH to 3917.5mBRT and standby for recovering UWTV.
14:00	15:15	1:15	OTHER	Recover UWTV to surface.
15:15	16:15	1:00	TRIP	RIH to 4182mBRT.
16:15	17:15	1:00	W&R	Wash down from 4182 to 4225mBRT Check pressure:200-400gpm x 0.2-4.0MPa Tag Top of Cement w/20kN @4225mBRT
17:15	21:15	4:00	CMTG	Drill out cement from 4225m to 4291mBRT. WOB: 10-30kN, HPS: 60rpm x 1.0-7.0kNm, PUMP: 400gpm x 4.0MPa Sweep out 5m3 of SWG four times.
21:15	21:45	0:30	W&R	Ream down from 4291 to 4299mBRT HPS: 60rpm x 0.0-1.5kNm, PUMP: 400gpm x 3.9MPa. No indication of cement is observed.
21:45	22:15	0:30	DRLG	Drill down from 4299 to 4309mBRT. 4299-4303mBRT : WOB: 10-50kN, HPS: 60rpm x 1.0-5.5kNm, PUMP: 400gpm x 3.8-4.1MPa 4303-4309mBRT : WOB: 20-60kN, HPS: 60rpm x 1.5-5.0kNm, PUMP: 600gpm x 8.8-9.1MPa Average ROP: 19.4m/hr.
22:15	22:30	0:15	C&C	Sweep out 5m3 of SWG twice and spot 5m3 of SWG.
22:30	22:45	0:15	TRIP	Wiper trip from 4309 to 4299mBRT From 4309 to 4299mBRT, no observed excess drag. From 4299 to 4307mBRT, no observed excess drag, confirm some obstruction.
22:45	23:00	0:15	C&C	Clean and sweep out 5m3 of SWG.
23:00	23:30	0:30	OTHER	Drop Churchill Drift. Drop Churchill Drift, chase with 400gpm and rotate with 40rpm. Reduce pump rate to 200gpm x 1.2MPa. Observe weak drift landing indication by 0.4MPa of puressure increase. Spot 5m3 of SWG.
23:30	24:00	0:30	TRIP	POOH 8-1/2"Bit DOC BHA. Find Oil filter leak. Decided to repair it offline at daytime due to very cold and wet condition while drilling time. Find malfunction of pneumatic control valve for vent valve in control cabinet main air valve. (12:00 - 15:30) Pressure test for Activation kit w/HART. Accumulators N2:7200psi x 15mins, BOP fluid:10000psi x 60mins -OK (12:30 - 21:00) Advisory status due to over 18m/s of wind speed.

Time Breakdown (00:00 - 06:00 on 25-Jan) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	Detail of Operation
0:00	6:00	6:00	TRIP	Continue POOH 8-1/2"Bit DOC BHA to surface, on going. Break out XO and pup joint below Activation kit w/CHRT.

Bit Record

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.			Inner	Outer	Dull	Loc.	B	G	O.D.	RP	
3	8.5x9.875	NOV	CSDR4219		126948	4 x 12, 2 x 14	4223.5	4,225.5	2.0	3.25	0	30	156	234	26.5	0	3	CT	S	X	I	WT	PR
4	8.5	TIX	MS	121	60903-T	20 x 3	4225.5	4309.0	83.5	5.0	10	50	40	80	14.7	3	5	BT	S, G	X	X	4	-

BHA Record

Bit No.	Size (in)	Type	Depth (mBRT)	Remarks
3	8.5x9.875	Bi center bit	38-1/2"x9-7/8"Bi center bit x 6-3/4"DC (1) x XO x 6-3/4" Mud motor x Float sub x 6-3/4"DC (3) x XO 8-1/2"STB x XO x 6-3/4"DC (3) x 6-1/2"Jar x 6-3/4"DC (6) x XO x Churchill Drift sub	
4	8.5	DOC	38-1/2"Bit x Float sub x 6-3/4"DC 4"IF conn. (3) x 8-1/2"Stub x XO x 6-3/4"DC (6) x 6-1/2"Jar x 6-3/4"DC (6) x XO x Churchill Drift sub	

Hook Wt. (kN) @	mBRT
Hook Lead	2,954
BHA (DOC BHA)	160
Below Jar (DOC BHA)	90
HPS & Traveling block	600

Mud Properties

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	Temp Out	n	K
PHG	17:00		1.06	290	63	94	60 ; 80			8.7									16		0.49	7.55
SWG	14:30		1.11	300	23	92	55 ; 55			10.8									16		0.26	22.31
Kill mud	13:00		1.30	108	26	39	43 ; 57			11.0									16		0.49	3.15

Geologic Information

From	To	Lithology of core
0:00	24:00	S/B Akatsuki G/B Meijimaru #8

Personnel @24:00

CDEX	8
Scientist	23
MQJ Crew	94
MQJ (Other)	2
MWJ	15
NuStar	3
Cementing (Sch)	3
Motor (Halliburton)	1
TeInte	1
Trainee	5
Franks	2
Total	157

Mud Pumps : 14-P-220 @ 5.00 gallon/stroke @97%

No.	Liner Size	SPM	GPM	Press. (MPa)	Ann. Vel. (m/min)
1	6	120	600	9.1	155
2	6				93
3	6				

Mud Materials on Board @24:00hrs (unit: kg)

Item	Received	Used	Stock
Barite (Bulk) *			270,000
TEL-GEL (Bulk)			38,000
Kunigel VO (Bulk)			41,000
Caustic soda			1,225
Lime			1,020
XCD-Polymer			100
Baracor-100			0
TeInte OS-5			0
Deformer 30C			16
KCl			280
NaCl			4,000

Safety (HSE) and other information

Incident	Last Incident	No. LTA
LTA		
HUNS cards	50	
Remarks		

Marine Information @24:00

Heave (m)	0.4
Pitch (deg)	0.3
Roll (deg)	0.2
Vessel Heading (deg)	290
Riser Tension (ton)	-
V.D. Load (ton)	13137.5
Max Draught (m)	9.00
Thruster (kW)	1,800

Weather Information

Time	Weather	Temp. (degC)	Barometer	Wind	Wave	Current	Visibility
		Air	SW (hPa)	Speed (m/s)	Dir. (deg)	Gust (m/s)	Height (m)
		2.0	1016.2	11.7	308.0	13.8	3.0
		16.0					310
							6.9
							0.7
							208
							22

Today's Schedule : Cont. POOH to surface. Lay down CMT head. Rig up Hybrid plug container. Slip & Cut. MU&Run Bi-center bit BHA.

Reported by : K.Tabuchi / T.Yokoyama

Approved by : T.Saruhashi