

Chikyu DAILY MORNING REPORT

Mission No. : **CK18-04**

Exp. No. : **Exp 358**

Report No. : **51**

Site Name **C0002** Hole Name **C0002Q** Lat. **33° 18.0507'N** Long. **136° 38.2029'E** Seabed Depth : **1,967.5** mBRT RT-MSL : **28.5** m Report Date : **27/Nov/2018**
 Depth : @24:00 **4,990.0** mBRT **3022.5** mbsf Progress : **0.0** m Drilling/Coring/Underreaming Hrs. : **0.00** hrs Last BOP PT: **11/15/18** Next BOP PT: **12/6/18**
 Depth : @06:00 **4,990.0** mBRT **3022.5** mbsf LAST CASING : **11-3/4"** x **2,922.50** mbsf (**4,890.0** mBRT) Last BOP FT: **11/22/18** Next BOP FT: **11/29/18**
 Summary of Operation on **26-Nov** : Cont. RIH hole opening assembly to 4,783mBRT. Pump out to 4,552mBRT. Check Z-Reamer function. POOH
 Present Operation @ 06:00 on **27-Nov** : Cont. POOH 8-1/2" x 12-1/4" hole opening assembly to surface. Layout BHA, Rig service, Prepare UR function test.
 Time Breakdown (00:00 - 24:00 on **26-Nov**) mBRT: meter below rotary table mbsf: meter below sea floor

From	To	Hrs	Code	Depth(mBRT)	Detail of Operation
0:00	7:15	7:15	TRIP	4,990.0	Continue RIH 8-1/2" x 12-1/4" hole opening assembly to 4,778mBRT. Fill up every 15 stands, no gain/loss while RIH. Record parameter before entering 11-3/4" liner hanger at 3,760mBRT Free rotating torque: 60/100/120rpm x 7.9/10.1/10.67kNm Pick up weight 2,419kN. Slack off weight 2,322kN. Measure downhole torque: 60rpm x 17.7kNm(Sensor leading) w/Pump 600gpm x 20.4MPa Before passing window at 4,800mBRT, sensor must be calibrated by Schlumberger software Observe no drag when passing through liner hanger
7:15	9:00	1:45	OTHER	4,990.0	Check Trip tank volume Observe Trip tank volume decrease quickly from 14.5m3 to 4.3m3. Check BOP and Riser by ROV, confirm no leak, OK Conduct flow check and tank volume back to 10.7m3 and keep steady w/10.2m3, OK Break circulation: at 4778mBRT, Boost riser 450gpm x 4.3MPa Parameter: 150gpm x 24.5MPa, 7-30rpm x 23kNm(Stall)
9:00	11:45	2:45	OTHER(N)	4,990.0	Pump out 8-1/2" x 12-1/4" hole opening assembly to 4,552mBRT Parameter: 175gpm x 27.1MPa. Boost riser 450gpm x 4.3MPa Check rotation and stall >23kNm at 4757m, 4731m, 4681m, 4660m, 4644m, 4565m
11:45	13:30	1:45	OTHER(N)	4,990.0	POOH 8-1/2" x 12-1/4" hole opening assembly from 4,552mBRT to 4,047mBRT.
13:30	14:30	1:00	OTHER(N)	4,990.0	Check Z-Reamer function at 4,047mBRT. Pump w/175gpm x 22.4MPa w/o rotation, and stop pumping and bleed off pressure. Confirm string rotates w/10-30-60rpm x 7.2-8.8-10.9kNm w/o pumping. Pump w/175gpm x 23.8MPa again, and start rotation by 10rpm to check if string rotates or not. Observe HPS stalled. Stop pumping while HPS stalled, and observe string starts rotation when standpipe pressure decrease to 5MPa. Confirm Z-Reamer ball seat already sheared. Make a decision to pull out of hole and replace backup Z-Reamer.
14:30	24:00	9:30	OTHER(N)	4,990.0	Resume POOH 8-1/2" x 12-1/4" hole opening assembly to 336mBRT.

Time Breakdown (00:00 - 06:00 on **27-Nov**) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	Depth(mBRT)	Detail of Operation
0:00	5:00	5:00	TRIP	4,990.0	Continue POOH 8-1/2" x 12-1/4" hole opening assembly Measure jar mandrel length: 20-3/4"(same as before RIH) Check 8-1/4" Stabilizer OD: 8-1/4"(same as before RIH). No damage or worn Find Z-reamer cutter "Open position": bottom nozzle plugged x 1ea, top nozzle x2ea, OK Check Bit condition: Plugged all nozzles, Dull condition same as before RIH Check LWD tool: arcVision, Telescope condition OK
5:00	5:30	0:30	RS	4,990.0	Rig service, Grease up HPS
5:30	6:00	0:30	OTHER	4,990.0	Prepare for UR function test Meanwhile: Remove fine sand from plugged bit nozzle(clay stone: check by geologist)

Bit No.	Size (in)	MFR	Type	IADC Code	S/No.	Nozzles	Depth (mBRT)		Hrs.	WOB (knt)		rpm	Total Rev. (kern)	Dull Condition										
							From	To		Min.	Max.			Min.	Max.	Inner	Outer	Dull	Loc.	B	G	O.D.	RP	
RR4a	8.5	Smith	Axeblade X616	M323	QF3233	3x1/2, 3x1/32	-	-	19.75	-	-	-	66.20	-	-	-	-	-	-	-	-	-	-	-

BHA Record @24:00		Hook Wt. (knt) @24:00	
#12	8.5" x 12.25" 8-1/2" Bit x Bit sub x arcVision675 x TeleScope675 x XO x 8-1/4" Stabilizer x 6-3/4" DC (1) x Z-Reamer x Float sub w/ported float x 6-3/4" DC (1) x XO x 6-3/4" Coring DC (3) x XO x 8-1/2" DC (3) x 8" Jar x 8-1/2" DC (3) x XO x 5.68" HWDP (3stds) x XO	336.0	mBRT

Mud Properties @24:00		Jar Rotating time 24:00	
Mud Type	Time	Depth (mBRT)	Time
KNPP	9:00	4,778	1762-5074
KNPP	18:00	Pit	Today 0.00 Total 23.00 hrs

Mud Pumps - 14-P-220		Personnel @24:00		Mud Materials on Board @24:00hrs (unit: kg)	
No.	Liner Size	SPM	GPM	Item	Received
1	6"	60	300	Barite (Bulk)	3,500
2	6"(Booster)	0	0	Caustic Soda	1,200
3	6"	60	300	Lime	200

Geologic Information @24:00		Shale Shaker @24:00		Heli Information @24:00		
From	To	Lithology of cuttings	No.1	30, 50 x 2ea	No.4	20, Dummy x 2
			No.2	20, 50 x 2ea	No.5	30, 50 x 2ea
			No.3	30, Dummy x 2	No.6	20, 50 x 2ea

Materials Stock on Board @24:00		Boat Information @24:00	
Item	Unit	Stock	Used
Fresh Water	m3	281.3	82.2
Potable Water	m3	309.2	4.8
Drill Water	m3	1,730.0	11.0

Mud volume@24:00		Boat Information @24:00	
Mud Volume (m3)	66	Boat Name	Status
KNPP mud (1.33)	455	#8 Meiji-maru	NE 5mile
KNPP mud (1.37)	455	Akatsuki	Chikyu
Slug mud	4	Shincho-maru	Chikyu

Weather Information		Marine Information @24:00	
Time	Weather	Temp. (degC)	Barometer (hPa)
24:00	c	17.5	20.3
		2.1	1025.1

Today's Schedule:		Wave		Current		Visibility	
MU and Run 8-1/2" x 12-1/4" BHA.	LWD shallow hole test at 4,845mBRT.	Height (m)	Dir. (deg)	Speed(knt)	Dir. (deg)	km	
		1.2	90	0.5	243	22.0	

Reported by : T. Yokoyama / N. Sakurai
Approved by : T. Ikawa