

Chikyu DAILY MORNING REPORT

Mission No. : **CK18-04**

Exp. No. : **Exp 358**

Report No. : **92**

Site Name	C0002	Hole Name	C0002R	Lat.	33° 18.0507'N	Long.	136° 38.2029'E	Seabed Depth	1,967.5 mBRT	RT-MSL	28.5 m	Report Date	7/Jan/2019
Depth	@24:00	5,052.0 mBRT	3084.5 mbsf	Progress	0.0 m	Drilling/Coning/Underreaming	Hrs. : 0.00	Last BOP PT	1/5/19	Next BOP PT	1/26/19		
Depth	@06:00	5,052.0 mBRT	3084.5 mbsf	LAST CASING	11-3/4" x 2,922.50 mbsf	4,890.0 mBRT		Last BOP FT	1/5/19	Next BOP FT	1/12/19		
Summary of Operation on 6-Jan : Surface test of Z-Reamer. MU and RIH 8-1/2" x 12-1/4" LWD BHA to 1,932mBRT. Troubleshoot for Dolly.													
Present Operation @ 06:00 on 7-Jan : Cont. Troubleshoot for Dolly. RIH 8-1/2"x12-1/4"LWD BHA to 3,953mBRT. LWD Function test.													
Time Breakdown (00:00 - 24:00 on 6-Jan)													

From	To	Hrs	Code	Depth(mBRT)	Detail of Operation
0:00	2:00	2:00	OTHER	5,052.0	Surface test of Z-Reamer. MU bit x XO x Z-Reamer x Float sub x XO x 6-5/8"DP UD165 1stand. Install new non-ported float. Apply tapes onto cutter block and bottom nozzle which become open after activated. Lower Z-Reamer below the rotary and pump 400gpm x 3.5MPa / 500gpm x 5.7MPa. Pick up Z-Reamer above the rotary and check if tapes are not broken. Confirm tapes are not broken.
2:00	7:45	5:45	TRIP	5,052.0	Make up and RIH 8-1/2" x 12-1/4" LWD BHA to 536mBRT. Pick up back up arcVision675 and TeleScope675 (New, w/ IWOB, 700gpm setting). Check 8-1/4" and 8-1/8" stabilizer OD. 8-1/4" Stabilizer (Below Z-Reamer): In gauge. 8-1/8" Stabilizer (Above Z-Reamer): In gauge. Pick up and make up 10jts of 6-3/4"DC (4IF) by single. MU 6-1/2"Jar and check jar mandrel length: 18-1/4"
7:45	8:45	1:00	TRIP	5,052.0	Perform LWD function test at 536mBRT. Pump w/o MP Sync mode by 400gpm x 8.3MPa (NG), 450gpm x 9.9MPa (NG) and 500gpm x 12.1MPa (OK) Pump w/ MP Sync mode by 450gpm x 9.8MPa (OK), 475gpm x 10.7MPa (OK) and 500gpm x 12.1MPa (OK)
8:45	9:30	0:45	RR	5,052.0	Investigate Dolly extend mismatching. Unable to find out the root cause of mismatching, but suspect the rupture valve (Shut-off valve) of traveling block AFT does not function properly. Decide to replace same when bit arrives above BOP and to check function after replace.
9:30	13:45	4:15	TRIP	5,052.0	Resume RIH 8-1/2" x 12-1/4" LWD BHA from 536mBRT to 1,932mBRT. Fill up every 15 stands. Find thread damage on bottom single of 5-1/2"DP S140 (#1 std) and top single of 5"DP S140 (#12 std) while making up connection due to abnormal torque. Lay out 5"DP S140 top single and rack back 5-1/2"DP S140 stand in the derrick.
13:45	24:00	10:15	RR	5,052.0	Troubleshoot for Dolly extend speed mismatching between Traveling block and HPS. Replace rupture valve (Shut-off valve) of traveling block AFT cylinder. Find some Teflon debris (White color) at removed rupture valve. Check function of Dolly extend, but still observe Dolly extend mismatching. Decide to remove all rupture valves, load holding valves and replace the valve block on dolly cylinder. Find some debris (Black color) from other valves. Plastic debris (White color) which would be the piece of backup ring come from the previous incident of Dolly cylinder burst. (01:40-05:00) Advisory status due to maintenance of windmeter. No losses in last 24 hours. Ditch magnet: 1.0kg (Total 99.5kg for Kick off hole)

* The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	Depth(mBRT)	Detail of Operation
0:00	0:15	0:15	RR	5,052.0	Continue to troubleshoot for dolly. Conduct function test of dolly. Decide not to use extend/retract function for pipe tripping as much as possible (Use extend/retract function by manual if necessary). Because Dolly which is in "retract" position cannot stop extending by removing the rupture valve when Dolly extends accidentally. Auto sequence mode is still malfunction.
0:15	5:30	5:15	TRIP	5,052.0	Resume RIH 8-1/2" x 12-1/4" LWD BHA from 1,932mBRT to 3,953mBRT. Fill up every 15 stands. Tripping speed (RIH) would not be much affected by Dolly issue. Break circulation and check pressure: 400gpm x 10.9MPa, 450gpm x 14.0MPa, 500gpm x 16.4MPa. Observe no excessive drag w/CMC on while passing through the top of 11-3/4"liner.
5:30	6:00	0:30	TRIP	5,052.0	Perform LWD function test at 3,953mBRT, on going. Pump w/Sync mode: 450gpm x 14.4MPa (NG), 500gpm x 17.4MPa (NG), 550gpm x 20.6MPa (NG) Try 500gpm again and wait for stabilizing pump: 500gpm (OK) 475gpm (OK) and 450gpm (OK) after 6:00

Bit No.	Size (in)	MFR	Type	IADC Code	S/No.	Nozzles	Depth (mBRT)	Meter-age	Hrs.	WOB (kN)	rpm	Total Rev. (krev)	ROP (m/hr)	Dull Condition								
							From	To		Min.	Max.	Min.	Max.	Inner	Outer	Dull	Loc.	B	G	O.D.	RP	
8	8.5	Smith	MD16UBPXG	M223	QF3591	2x11, 3x15			0.0													

20	8-1/2"x12-1/4"LWD	8-1/2"bit x Bit sub w/non-ported float x XO#1 x arcVision675 x TeleScope675 (w/IWOB, 700gpm setting) x XO#2 x XO#3 x 8-1/4"Stabilizer x 6-3/4"DC (1) x Z-Reamer x Float sub w/non-ported float x 6-3/4"DC (4-1/2IF) (1) x 8-1/8"Stabilizer x XO#4 x 6-3/4"DC (4IF) (10) x XO#5 x 6-3/4"DC (4-1/2IF) (7) x 6-1/2"Jar x 6-3/4"DC (4-1/2IF) (3) x XO#6 x 5.68"HWDP (12) x Churchill drift x XO#7	Hook Wt. (knt) @24:00	1,932.0 mBRT
			Hook Load	1,420
			BHA	310
			Below HWDP	250
			below Jar	200
			HPS & Traveling block	615
			Hook + RRT	-
			Hook block	-

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	6rpm	Gel St. (10", 10)	API	Cake	pH	PI	Cl-	Sand	Oil	Solid	MBC	Temp In	Temp Out	K+	n	K	LGS	FIT 20/40 (mm)	0 min	5 min
KNPP	3:00	Pit	1.39	67	25	31	12	10	20	7.0	1.1	9.8	0.1	117.000	0.20	18.0	2.00	12	21.400	0.42	3.37	4.80	-	-	-	-
KNPP	19:00	Pit	1.39	66	25	30	11	10	19	7.0	1.1	10.0	0.1	117.000	0.20	18.0	2.00	9	21.400	0.42	3.61	4.80	14	-	-	

No.	Liner Size	SPM	GPM	Press. (MPa)	Ann. Vel. (m/min)
1	6"		0		6.79DC 5.97DP
2	6"		0	4.5	
3	6"(Booster)	90	450		0 0

Position	Count
CDEX	8
MQJ Crew	100
MWJ	15
Scientist	10

Item	Received	Used	Stock
Barite (Bulk)			454,500
Caustic Soda			1,200
Lime			200
Soda Ash		175	775
Caustic Potash	1,600	450	2,025
Tel-Polymer DX / L / H		700/360/0	2,820/1,140/0
XCD-Polymer		50	925
Lignite NC			4,500
Clean Lube W			0
Tel Clean W			6,400
Astex-S	800		800
Deformer 30C	512	16	656
Tell DD			3,200
Bi-Carbonate			1,000
Citric Acid			2,275
Tan Cal M / F / FF			1,020 / 210 / 510
Telnet D			684
Treat-HS			9,200
Mud Seal P			130
Tel Plug C / M / F			500 / 500 / 500
Tel Stop P / G			500 / 260
Barofilt			1,965
Driscoll D			0
Tel Flow P			0
Poros Seal			0
Steel Seal 50 (lbs)		1,250	1,000
KCl	4,000	3,000	9,000
NaCl	10,000	7,000	22,000
Fracsael (lbs)	4,000	4,000	8,000
Stopseal (lbs)			0
Bentonate(Bulk)			46,000

Mud Volume (m3)	Count
KNPP mud (1.39)	292
KNPP (Fracsael)	183
KNPP (BAROLIFT)	50
KNP mud (1.25)	35
KNP mud (1.13)	174
STOPLOSS(1.37)	54
Slug mud	9
total	797

Boat Name	Status	Time @Chikyu
#8 Meiji-maru	Chikyu	Departed
Akatsuki	Chikyu	Arrived
Shincho-maru	Shingyu	3:00

Time	Weather	Temp. (degC)	Barometer	Wind	Wave	Current	Visibility						
24:00	bc	8.0	18.9	1022.2	7.7	7	9.2	1.5	10	5.2	0.6	202	22.0

Today's Schedule: Cont. RIH with 8-1/2" x 12-1/4" LWD BHA to 4,760mBRT.Ream down to 4,860mBRT. Activate Z-Reamer. Drill down 8-1/2"x12-1/4"hole.

Reported by : T. Yokoyama / T.Nishiyama
Approved by : T.Sarushashi