

Chikyū DAILY MORNING REPORT

Mission No. : **CK18-04** Exp. No. : **Exp 358**

Report No. : **95**

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 :	10/Jan/2019
Depth :	@24:00	4,880.0 mBRT	2912.5 mbsf	Progress :	0.0 m	Drilling/Coning/Underreaming Hrs. :	14.25 hrs	Last BOP PT :	1/5/19	Next BOP PT :	1/26/19		
Depth :	@06:00	4,880.0 mBRT	2912.5 mbsf	LAST CASING :	11-3/4" x 2,922.60 mbsf	4,890.0 mBRT		Last BOP FT :	1/5/19	Next BOP FT :	1/12/19		
Summary of Operation on 9-Jan : Enlarge to 12-1/4" hole, Circulate and bottoms up. POOH 8-1/2" x 12-1/4" LWD BHA to surface, LWD function test													
Present Operation @ 06:00 on 10-Jan : RIH 8-1/2" x 12-1/4" LWD BHA at 530mBRT.													
Time Breakdown (00:00 - 24:00 on 9-Jan)													

From	To	Hrs	Code	Depth(mBRT)	Detail of Operation
0:00	1:30	1:30	W&R	4,880.0	Continue ream down from 4,838mBRT to 4,839mBRT WOB: 10-50kN, HPS: 60rpm x 13-33kNm, MP:600gpm x 22.5MPa. Unable to pass through 4,839mBRT. Take survey at 4935mBRT (sensor depth 4824.197mBRT). Inclination :1.9deg (Decreasing trend from previous survey inclination 2.8deg)
1:30	2:00	0:30	TRIP	4,880.0	POOH to 4,799mBRT.
2:00	2:15	0:15	DRL	4,880.0	Enlarge to 12-1/4" hole from 4,799mBRT to 4,819mBRT. WOB: 0-20kN, HPS: 60rpm x 13-18kNm, MP:600gpm x 22.3MPa, no observe any high Torque and WOB
2:15	3:00	0:45	W&R	4,880.0	Ream down from 4,799mBRT to 4,805mBRT. HPS torque fluctuate and take weight 50kN from 4,803mBRT to 4,805mBRT. Stop reaming down and decide to POOH to avoid to enlarge hole too much.
3:00	4:00	1:00	TRIP	4,880.0	POOH to 4,740mBRT.
4:00	7:00	3:00	C&C	4,880.0	Circulation and bottoms up. 600gpm x 22.0MPa. Boost riser 450gpm x 4.5MPa.
7:00	12:30	5:30	TRIP	4,880.0	POOH 8-1/2" x 12-1/4" LWD BHA to 2,657mBRT. Pump slug mud. Boost riser at 450gpm.
12:30	13:30	1:00	OTHER(N)	4,880.0	Troubleshoot Observe DP stuck on the slip and rotary bushing, release DP by using hydraulic jack. OK
13:30	17:45	4:15	TRIP	4,880.0	Cont. POOH 8-1/2" x 12-1/4" LWD BHA from 2,657 to 534mBRT.
17:45	18:15	0:30	OTHER	4,880.0	Perform LWD function test at 534mBRT. Pump w/o Sync mode by 500gpm x 10.2MPa(OK), 550gpm x 11.9MPa(OK), Confirm LWD condition good:OK
18:15	23:00	4:45	TRIP	4,880.0	Cont. POOH 8-1/2" x 12-1/4" LWD BHA from 534mBRT to surface Check 6-1/2" Jar mandrel length: 18-1/4"(same as before run) Check 8-1/4" and 8-1/8" stabilizer OD. 8-1/8" Stabilizer (Above Z-reamer): In gauge (same as before run) 8-1/4" Stabilizer (Below Z-Reamer): In gauge (same as before run) Check Z-reamer condition Observe cutter blocks not fully close and extended. Check Max OD:10-5/16" Cutter blocks out from body: block #1 (27mm), #2 (40mm), #3 (20mm). Observe damage cutters for each sections back reaming cutters (broken all), reaming cutters (broken 2-3ea on each blocks), Gauge cutters (broken only 1 cutter, good condition) Observe partially damage on the reamer body damage on the guide groove for cutter block #1 Check Bit condition Observe severe damage on gauge cutters (all blade), inner cutter no damage
23:00	24:00	1:00	RS	4,880.0	Rig service Meanwhile, stop booster pump and maintenance Mud pumps Meanwhile: Flushed C/K lines. Conduct LWD data download at Aux well. Prepare next BHA. -ROV- (0:30-6:00) Confirm no malfunctioning the gauge communication at surface test: OK. Advisory status: (02:30-05:00) wind speed >18m/s, (21:30-22:15) Generator maintenance(No.2 Starboard) No losses in last 24 hours. Ditch magnet: 3kg (Total 17.5kg for 8" x 12.25" hole) * The data on 00:00 - 06:00 is unofficial.

Depth (mBRT)	Inc (deg)	Azi (deg)
4,824.20	1.90	129.84

From	To	Hrs.	Code	Depth(mBRT)	Detail of Operation
0:00	1:00	1:00	RS	4,880.0	Continue to service rig.
1:00	5:45	4:45	TRIP	4,880.0	Make up and RIH 8-1/2" x 12-1/4" LWD BHA to 528mBRT. Conduct surface test of HRR8000. Apply tapes onto cutter block. Lower HRR8000 below rotary table and pump 600gpm x 8.8MPa. Pick up HRR8000 above rotary table and check if tapes are broken. Confirm tapes are broken. Check 10-5/8" stabilizer OD: In gauge. Make up 8-1/2" jar and check jar mandrel length: 20-3/4"
5:45	6:00	0:15	OTHER	4,880.0	Perform LWD shallow hole test at 528mBRT (on going).

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)	Inner	Outer	Dull	Dull Condition					
							From To			Min. Max.	Min. Max.						Loc.	B	G	O.D.	RP	
8	8.5	Smith	MDS16UBPKG	M223	QF3591	2x11, 3x15	4,834.0 4,843.0	9.0	3.26	0 90	80 150	17.81	3.1	0	6	BT	G	-	I	WT	TD	
9	8.5	Smith	FKK260DVP5	527X	RG1529	3 x 18																

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						From To			Min. Max.	Min. Max.						Loc.	B	G	O.D.	RP	
21	8-1/2" LWD with UR	8-1/2" Bit (New, FHK260DVP5)			Bit Sub w/ Non-ported float valve x XO #1 x HRR8000 x XO #2 x arcVision675 x Telescope 675 x XO #3 x XO #4 x 10-5/8" Stabilizer x XO #5																

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) 5 min	FIT 20/40 (mm) 30 min
KNPP	3:00	4,800	1.39	67	26	28	11	10	19	7.2	1.1	9.6	0.1	127,000	0.20	19.0	2.25	12	10	20,900	0.44	2.92	6.20	-	-
KNPP	14:00	Pit	1.39	66	26	28	11	10	19	7.0	1.1	9.8	0.1	127,000	0.20	19.0	2.25	11	10	21,400	0.42	3.38	6.10	-	-

No.	Liner Size	SPM	GPM	Press. (MPa)	Ann. Vel. (m/min)
1	6"	60	300	23.0	6.5 DP
2	6"	60	300		
3	6"(Booster)	90	450		

From	To	Lithology of cuttings

No.	30, 170	No.4	30, 170	#1-#3 Centrifuge running time
No.2	30, 170	No.5	30, 170	
No.3	30, 170	No.6	30, 170	

Item	Unit	Stock	Used	Received
Fresh Water	m3	309.0	91.9	98.9
Potable Water	m3	271.0	6.0	0.0
Drill Water	m3	1,386.0	14.0	0.0
Fuel	m3	4,621.4	48.5	0.0
Lube Oil	Ltrs	83,000	0.0	0.0
Helix Fuel	Ltrs	0.0	0.0	0.0
Cement "GW"	ton	186.0	0.0	0.0
Cement "G"	ton	97.0	0.0	0.0

Boat Name	Status	Time @Chikyū	
		Departed	Arrived
#8 Meiji-maru	Chikyū		
Akatsuki	Chikyū		19:30
Shincho-maru	Chikyū		

Time	Weather	Temp. (degC)	Barometer (hPa)	Wind Speed (m/s)	Dir. (deg)	Gust (m/s)	Height (m)	Dir. (deg)	Period (s)	Current Speed (knt)	Dir. (deg)	Visibility (km)
24:00	bc	7.5	1026.6	2.8	269	4.4	1.3	10	5.2	0.5	150	22.0

Today's Schedule: Continue to RIH 8-1/2" x 12-1/4" LWD BHA. Ream down to 4,880mBRT.

Reported by : N.Sakurai / T.Nishiyama
Approved by : T.Sarahashi