

**Chikyu DAILY MORNING REPORT**

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

**Report No. : 27**

Site Name : C0002 Hole Name : C0002P Lat. : 33° 18.0507'N Long. : 136° 38.2029'E Seabed Depth : 1,967.5 mBRT RT-MSL : 28.5 m Report Date : 3/Nov/2018  
 Depth : @24:00 4,902.0 mBRT Progress : 0.0 m Drilling/Coning/Underreaming Hrs. : 0.00 hrs Last BOP PT : 10/25/2018 Next BOP PT : 11/15/2018  
 Depth : @06:00 4,902.0 mBRT mbsf LAST CASING : 11-3/4" x 2,922.50 mbsf 4,890.0 mBRT Last BOP FT : 11/1/2018 Next BOP FT : 11/8/2018  
 Summary of Operation on 2-Nov : POOH 10-5/8" drill out BHA to surface. RIH 11-3/4"x13-3/8"scraper BHA. Scrape 11-3/4"x13-3/8" casing. Bottoms up  
 Present Operation @ 06:00 on 3-Nov : POOH 11-3/4" x 13-3/8" scraper BHA at 4,400mBRT. Last Glycol 35gal Inj. 30 October 2018  
 mBRT: meter below rotary table  
 mbsf: meter below sea floor

From	To	Hrs	Code	Depth(mBRT)	Detail of Operation
0:00	3:00	3:00	TRIP		POOH 10-5/8" drill out BHA from 651mBRT to surface. Check the jar mandrel length: 18-1/8" (Pre-run: 18-3/16") Bit dull grade: 1-1-WT-A-E-2-NO-TD
3:00	3:45	0:45	RS		Service HPS. Flush choke, kill and booster lines.
3:45	20:00	16:15	TRIP		RIH 11-3/4" x 13-3/8" scraper BHA from surface to 4,325mBRT. Re-run 10-5/8" XR+CPS (S/N: RJ8093), Gauge 10-5/8" Stabilizer: lower stabilizer in gauge, upper stabilizer 1/8" under gauge. Distance from top of 11-3/4" csg scraper to bottom of 13-3/8" csg scraper: 1,002m Fill up every 15stds. Connect HPS and CMC on. Break circulation w/150-300-350-400gpm x 1.2-5.3-6.9-8.2MPa. Lower BHA and enter 11-3/4" Liner hanger w/0-20kN from 3,884-3,900mBRT.
20:00	23:45	3:45	CSG		Scrape 11-3/4" liner casing & 13-3/8" casing from 4,325 to 4,882mBRT (Bit depth) 3 times. Scrape casings by string up, down & up at each stand. - Cement plug inside 13-3/8" CSG (3,320-3,550mBRT). Observe no excessive drag at 13-3/8" CSG cement plug section. Observe 50kN drag while first running at 3,571mBRT (Bit depth: 4573mBRT), but no excess drag at second running. - 9-3/8" Liner hanger section (3,790-3,875mBRT). Observe drag while scraping 9-3/8" liner hanger section, but most drag occurs ESET Anchor hanger section. - ESET Anchor hanger section (Primary: 4,800 - 4,850mBRT, Secondary: 4,765 - 4,815mBRT). Primary: Observe >50kN drag while first running at 4,816, 4,818, 4,822, 4,825mBRT. Observe no excess drag at second running. Secondary: Observe >50kN drag while first running at 4,764, 4,767-4,769, 4,771, 4,774mBRT. Observe no excess drag at second running. - 11-3/4" casing window section (Primary: 4,853 - 4,859mBRT, Secondary: 4,815 - 4,827mBRT). Primary: Observe >50kN drag while first running at 4,855mBRT. Scrape and observe no excess drag. Secondary: Observe >50kN drag while first running at 4,816, 4,818, 4,822, 4,825mBRT (Overlap of Primary ESET hanger set depth). Scrape and observe no excess drag. - Bridge plug section (Primary: 4,867mBRT, Secondary: 4,843mBRT). Observe no excess drag at Primary and Secondary depth.
23:45	24:00	0:15	C&C		Circulate and bottoms up. 800gpm x 24.0MPa, 300gpm x 2.4MPa.

- [BOP failure]
- Blue communication CH B
- Blue lower annular UOK/Close, Leak
- Blue UIC/Open, Leak
- Blue Booster/Close, Leak
- Yellow Upper pipe ram/Open, Leak
- Yellow LK/Open, Close malfunction
- Yellow OGB, Open, Leak

24hr ditch magnet weight: 0 kg (total 4.6kg).  
 [Offline activities]  
 ROV attempts to dive, but cursor rail winch suddenly stopped. As the result, sonar mounting bar on ROV hit the cursor rail and broken.  
 ROV retrieved to deck for repair.  
 Dive ROV and monitor hydrate around BOP/Wellhead: Bubbles from ports seem stopped.  
 Find wire sling of 1ea x cuttings skip damaged, and cancel to load same.

Time Breakdown (00:00 - 06:00 on 3-Nov) \* The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	Depth(mBRT)	Detail of Operation	Pumped Vol.	MW Out	MW In
0:00	3:30	3:30	C&C		Complete circulating bottoms up. String: 800gpm x 24.0MPa, Riser booster: 800gpm x 3.5MPa. Max total gas during circulation: 0.12% Confirm even mud weight in/out. Total pumped: 870m <sup>3</sup> . Ditch magnet 0.12kg from 00:00-03:30.	124m <sup>3</sup>	1.33+	1.33
3:30	3:45	0:15	OTHER(N)		Open Fill Valve #1 to line up to trip tank for flow check, but somehow diverter and Fill Valve #1 are suddenly closed. Fill Valve #1 is opened without realizing diverter closed - Overboard 6m <sup>3</sup> of mud from trip tank to sea. Stop operation. Investigate why diverter is closed accidentally - investigation ongoing.	344m <sup>3</sup>	1.31+	1.33
3:45	4:00	0:15	TRIP		Flow check on trip tank - well static.	410m <sup>3</sup>	1.29	1.32+
4:00	6:00	2:00	TRIP		POOH scraper BHA from 4,879mBRT to 4,400mBRT. Pump 8m <sup>3</sup> of 1.50sg slug prior to POOH. Observe no overpull.	550m <sup>3</sup>	1.28+	1.33

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.	0 min	5 min	10 min	15 min	20 min	25 min	30 min	
2	10.625	Smith	XR+CPS	117	RJ8093	1 x 13, 3x 16	4,625.0	4,902.0	277.0	4.50	0	80	29.5	1	1	1	1	1	1
3	10.625	Smith	XR+CPS	117	RJ8093	1 x 13, 3x 16													

#	Tool Joint	Description	Hook Wt. (kN) @24:00hrs	4,883.0 mBRT
1	10-5/8"	10-5/8" Bit (XR+CPS Milled Tooth Bit) x Bit Sub with float x XO x 6-3/4" DC (3stds) x 6-1/2" Jar x 6-3/4" DC (1std) x XO x 5.68" HWDP (3stds) x XO x 5-1/2" DP S140 (16stds) x XO x 5-1/2" DP S150 (56stds) x XO x 6-5/8" DP Z140 (22stds) x 6-5/8" DP UD-165		3,337
2	6"	6" Bit Sub w/Float x 11-3/4" CSG Scraper x 10-5/8" Stabilizer x 8-1/2" DC (9 ft) x XO#1 x 5" DP S-140 (15 stds) x 15-1/2" DP S-140 (9 stds) x XO#2 x 13-3/8" CSG scraper x XO#3 x 5-1/2" DP S-150 (51 stds) x XO#4 x 6-5/8" DP Z-140 (22 stds) x 6-5/8" DP UD-165		120

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/Out)	K+	n	K	LGS	FIT 20(40) (min)
KNPP	15:00	PR	1.33	55	14	24	8	7	10	2.7	0.6	10.1	0.3	138.500	0.3	15.0	0.25	18	23.600	0.45	2.26		15

Mud Pumps	14-P-220	@	5.00	gallon/stroke @97%	Personnel @24:00	Mud Materials on Board @24:00hrs (unit: kg)			
No.	Liner Size	SPM	GPM	Press. (MPa)	Ann. Vel. (m/min)	Item	Received	Used	Stock
1	6"	80	400		DC DP	Bartite (Buk)		8,400	779,000
2	6"(Booster)	60	300	24.0	85	Caustic Soda			1,200
3	6"	80	400		67	Lime			200
						Soda Ash			1,050
						Caustic Potash			2,075
						Tel-Polymer DX L/H		560/140(0)	4,940/ 920/ 0
						XCD-Polymer		250	1,550
						SLB Cementing			4,500
						SLB WL		1,000	8,000
						Genoservices			6,400
						BHGE		500	5,300
						M-I SWACO			400
						Gyrodatta			3,200
						SLB Whipstock			1,250
						SLB LWD			2,275
						SLB DD			1,020/ 210/ 510
						SLB Seismic			684
						AFGlobal			9,200
						Total		161	130

Geologic Information	From	To	Lithology of cuttings

Shale Shaker	Centrifuge	hrs	
No.1	20, 80 x 2ea	No.1	off
No.2	20, 80 x 2ea	No.2	off
No.3	20, 80 x 2ea	No.3	off

Materials Stock on Board @24:00	Unit	Stock	Used	Received
Fresh Water	m3	264.0	87.3	99.8
Potable Water	m3	261.0	6.5	0.0
Drill Water	m3	1,939.0	15.0	0.0
Fuel	m3	7,022.6	46.2	0.0
Lube, Oil	Ltrs	125,400	0	0.0
Heli Fuel	Ltrs	0.0	0.0	0.0
Cement "GWC"	ton	186.0	0.0	0.0
Cement "G"	ton	97.0	0.0	0.0

Boat Information @24:00	Boat Name	Status	Time @Chikyu
	#8 Meiji-maru	Chikyu	
	Akatsuki	Chikyu	19:30

Weather Information	Time	Weather	Temp. (degC)	Barometer	Wind	Wave	Current	Visibility
	24:00	c	18.0	1025.6	9.9	11.2	5.1	177

Today's Schedule: POOH 11-3/4" x 13-3/8" scraper BHA. (Slip and cut drill line.) Rig up wireline.

Reported by : A. Suzuki / T. Yokoyama  
 Approved by : T. Ikawa