Chikyu DAILY MORNING REPORT

Mission No. : CK18-04 **Exp. No. :** Exp 358 **Report No. :** 28

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 :** 4/Nov/2018

Depth : @24:00 4,902.0 mBRT ____ mbsf Progress : 0.0 m Drilling/Coring/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 3-Nov : Bottoms up. POOH scraper to surface. RU wireline. RU & Run USIT-CBL-CCL to 2,900mBRT. Last Glycol 35gal Inj. 30 October 2018

Present Operation @ 06:00 on 4-Nov : Performing corrosion logging for 13-3/8" casing at 2,950mBRT. mBRT: meter below rotary table

Time Breakdown (00:00 - 24:00 on 3-Nov) mbsf: meter below sea floor

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.	124m3	1.33+	1.33
					Max total gas during circulation: 0.12%	344m3	1.31+	1.33
					Confirm even mud weight in/out. Total pumped: 870m^3. Ditch magnet 0.12kg from 00:00-03:30.	410m3	1.29	1.32+
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.	550m3	1.28+	1.33
					Fill Valve #1 is opened without realizing diverter closed - Overboard 6m^3 of mud from trip tank to sea.	750m3	1.33	1.33
					Stop operation. Investigate why diverter is closed accidentally - investigation ongoing.	870m3	1.33	1.33
3:45	4:00	0:15	TRIP		Flow check on trip tank - well static.			
4:00	19:15	15:15	TRIP		POOH scraper BHA from 4,879mBRT to surface.			
					Pump 8m^3 of 1.50sg slug prior to POOH.	[BOP failure]		
					Observe no overpull at 11-3/4" liner hanger and wellhead depths.	- Blue communication CH.B		
					Lay out 13-3/8"casing scraper and 11-3/4"casing scraper.	- Blue lower annular UOK/Close, Leak		
					13-3/8"casing scraper: Scraper block conditions are good and not loosen.	- Blue UIC/Open, Leak		
					Observe a metal piece (Look like casing) at the scraper block.	- Blue Booster/Close, Leak		
					11-3/4"casing scraper: Scraper block conditions are good and not loosen.	- Yellow Upper pipe ram/Open, Leak		
					Bit condition: same as before run.	- Yellow LIK/Open, Close malfunction		
						- Yellow OGB, Open, Leak		
19:15	21:15	2:00	LOG		Rig up wireline operation at rig floor.			
					Rig up compensation wire sheave to HPS.			
					Install wireline top sheave to compensation wire sheave.			
					Attach compensation wire to Tensioner ring for wireline compensation.			
					Rig up Turning sheaves at rotary and derrick structure.			
					Run wireline through Turning sheaves and Top sheave.			
21:15	24:00	2:45	LOG		MU & Run USIT-CBL-CCL tool to 2,900mBRT.			
					Measure the tool string.			
					Make up USIT-E x PPC-B x DSLT-BB x PPC-B x CAL-YA x DETC-B x LEH-QT.			
					Function check of tool string.			
					Set wireline depth counter "Zero" at the bottom of tool string at rotary.			
					Activate CMC at 70mBRT.	Wireline string		
						Tool / Length (m)	Sensor location	
						LEH-QT / 1.06		
						EDTC-B / 1.98		
						CAL-YA / 1.07	CCL 15.99m from bottom	
						PPC-B / 1.99		
						DSLT-BB / 6.29	CBL 9.38m from bottom	
					24hr ditch magnet weight: 0.12 kg (total 4.72kg)	PPC-B / 1.99		
					[Offline activities]	USIT-E / 4.90	USIT 0.13m from bottom	
					Continue investigation on diverter malfunction.			
					Dive ROV and monitor hydrate around BOP/Wellhead: No bubbles from ports on LPWHH.			
					Install bridging plug on 11-3/4" EZSVB bridge plug.			
					Mix 50m^3 of BAROLIFT sweep (0.05 vol.%) in active tank #1.			
					Mix 59m^3 of 1.33sg KNPP mud (Fracseal 35ppb) in active tank #6.			

Time Breakdown (00:00 - 06:00 on 4-Nov) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	Depth(mBRT)	Detail of Operation
0:00	0:15	0:15	LOG		Perform free pipe calibration at 2,900mBRT.
0:15	1:30	1:15	LOG		Run USIT-CBL-CCL tool from 2,900mBRT to 4,878mBRT.
					Pass top of liner without any obstruction.
1:30	2:00	0:30	LOG		Perform USIT / CBL repeat logging from 4,878mBRT to 4,706mBRT.
2:00	2:15	0:15	LOG		Run back to 4,880mBRT.
2:15	3:45	1:30	LOG		Perform USIT / CBL main log from 4,880mBRT to 3,900mBRT.
3:45	6:00	2:15	LOG		Perform main corrosion logging for 13-3/8" casing from 3,900mBRT to 2,950mBRT.

Bit Record @24:00

Bit No.	Size (in)	MFR	Type	IADC Code	S/No.	Nozzles	Depth (mBRT) From	Depth (mBRT) To	Meter-age	Hrs.	WOB (kN) Min.	WOB (kN) Max.	rpm Min.	rpm Max.	Total Rev. (krev)	Dull Condition Inner	Outer	Dull	Loc.	B	G	O.D.	RP
4	10.625	Smith	XR+CPS	117	RJ8093	1 x 13, 3x 16	4,325.0	4,882.0	557.0	-	0	60	0	0	29.5	1	1	WT	A	E	2	NO	TD

BHA Record @24:00

#4	Scraper	10-5/8" Bit x Bit sub w/Float x 11-3/4" CSG Scraper x 10-5/8" Stabilizer x 8-1/2" DC (1 jt) x 10-5/8" Stabilizer x 8-1/2" DC (9 jt) x XO#1 x 5"DP S-140 (15 stds) x 5-1/2"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

Hook Wt. (kN) @24:00hrs

	mBRT
Hook Load	670
BHA	
Below HWDP	
below Jar	-
HPS & Traveling block	600
Hook + RRT	-
Hook block	-

Jar Rotating time S/N: - Today - Total - hrs

Mud Properties @24:00

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	6rpm	Gel St. (10", 10')		API	Cake	pH	Pf	Cl-	Sand	Oil	Solid	MBC	Temp In	Temp Out	K+	n	K	LGS	FIT 20/40 (mm) 0 min	FIT 20/40 (mm) 5min
KNPP	18:00	Pit	1.33	55	12	26	7	6	10	2.9	0.5	10.1	0.3	135,000	0.25		15.0	0.25	19		21,400	0.40	3.22		14	110

Cutting skip @24:00

Empty	Full	Total
34	0	34

ROV @24:00

Status	On deck
Last Dive	11/3/2018
Injection Skid	135 /135 gal

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

No.	Liner Size	SPM	GPM	Press. (MPa)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP
1	6"	80	400	24.0	85	67
2	6"(Booster)	80	400			
3	6"	80	400			

Personnel @24:00

CDEX	9
MQJ Crew	99
MQJ (SC, Other)	2
MWJ	14
Scientist	2
Telnite	2
Oceaneering	6
SLB Cementing	1
SLB WL	6
Geoservices	6
BHGE	0
M-I SWACO	4
Gyrodata	1
SLB Whipstock	2
SLB LWD	2
SLB DD	2
SLB Seismic	1
AFGlobal	2
Total	161

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

Item	Received	Used	Stock
Barite (Bulk)		18,800	760,200
Caustic Soda			1,200
Lime			200
Soda Ash			1,050
Caustic Potash			2,075
Tel-Polymer DX / L / H			4,940/ 920 / 0
XCD-Polymer			1,550
Lignate NC			4,500
Clean Lube W			8,000
Tel Clean W			6,400
Astex-S			5,300
Deformer 30C			400
Tell DD			3,200
Bi-Carbonate			1,250
Citric Acid			2,275
Tan Cal M / F / FF			1,020 / 210 / 510
Telnite GXL			684
Treat-HS			9,200
Mud Seal P			130
Tel Plug C / M / F			500 / 500 / 500
Tel Stop P / G			500 / 260
Balolift		60	300
Driscal D			0
Tel Flow P			0
Poro Seal			2,310
Steel Seal 50			3,250
KCl			11,000
NaCl			2,000
Fracseal			0
Stopseal			8,000
Bentonate(Bulk)			46,000

Geologic Information

From	To	Lithology of cuttings

Shale Shaker Centrifuge: hrs

No.1	20, 80 x 2ea	No.4	20, 80 x 2ea	No.1	off
No.2	20, 80 x 2ea	No.5	20, 80 x 2ea	No.2	off
No.3	20, 80 x 2ea	No.6	20, 80 x 2ea	No.3	off

Materials Stock on Board @24:00

Item	Unit	Stock	Used	Received
Fresh Water	m3	264.0	102.4	102.4
Potable Water	m3	255.0	6.0	0.0
Drill Water	m3	1,928.0	11.0	0.0
Fuel	m3	6,975.4	47.2	0.0
Lube, Oil	Ltrs	124,600	800	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

Mud volume@24:00

Mud Volume (m3)	
KNPP mud (1.33)	358
Old Mud(Contami)	359
Slug mud	16
KNPP mud (1.37)	59
total	792

Heli Information @24:00

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1				
2				
3				
4				

Safety (HSE) and other information

Incident	Last Incident	No. LTA
LTA		
HUNS cards	53	

Remarks

Boat Information @24:00

Boat Name	Status	Time @Chikyu Departed	Time @Chikyu Arrived
#8 Meiji-maru	Chikyu		
Akatsuki	Chikyu		

Marine Information @24:00

Heave (m)	0.2
Pitch (deg)	0.2
Roll (deg)	0.1
Vessel Heading (deg)	060
Riser Tension (kN)	9500.0
V.D. Load (ton)	16280
Max Draught (m)	9.0
Thruster (kW)	1050

Weather Information

Time	Weather	Temp. (degC) Air	Temp. (degC) SW	Barometer (hPa)	Wind Speed (m/s)	Wind Dir. (deg)	Wind Gust (m/s)	Wave Height (m)	Wave Dir. (deg)	Wave Period (s)	Current Speed(knt)	Current Dir. (deg)	Visibility (km)
24:00	c	19.0	22.3	1022.6	5.1	180	9.2	1.8	60	5.6	0.6	172	22.0

Today's Schedule: Continue corrosion log for 13-3/8" casing. POOH logging assembly to surface. Set 11-3/4" EZSVB bridge plug. POOH running tool to surface. Rig down wireline.

Reported by : A. Suzuki / T. Yokoyama

Approved by : T. Ikawa