Chikyu DAILY MORNING REPORT

Mission No. : CK18-04 **Exp. No. :** Exp 358 **Report No. :** 29

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 :** 5/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 4-Nov : Cont. Run USIT-CBL-CCL to 4,878mBRT. POOH. MU&RIH junk basket assembly. POOH. MU&RIH plug setting tool w/EZSV. Set EZSV. Last Glycol 35gal Inj. 30 October 2018

Present Operation @ 06:00 on 5-Nov : Slip and cut drill line. mBRT: meter below rotary table

Time Breakdown (00:00 - 24:00 on 4-Nov) mbsf: meter below sea floor

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	8:15	4:30	LOG		Perform main corrosion logging for 13-3/8" casing from 3,900mBRT to 1,983mBRT.
8:15	8:45	0:30	LOG		Run back to 2,125mBRT. Perform repeat corrosion logging for 13-3/8" casing from 2,125mBRT to 2,019mBRT.
8:45	11:30	2:45	LOG		POOH USIT-CBL-CCL from 2,019mBRT to surface. Lay out tools.
					Close CMC at 100mBRT.
					Recover some metal debris around CCL tool. Decision make to run junk basket assembly using wireline.
11:30	12:15	0:45	LOG(N)		Prepare junk basket assembly.
12:15	14:45	2:30	LOG(N)		Make up junk basket assembly. RIH junk basket assembly from surface to 4,874mBRT.
					Measure the tool string.
					Make up junk basket assembly - From bottom: Gauge ring (10.312" OD), Junk basket, EQF-33, CAL-B, PEK-BC
					Set wireline depth counter "Zero" at CCL sensor depth at rotary.
					Activate CMC at 70mBRT.
14:45	17:45	3:00	LOG(N)		POOH junk basket assembly to surface and lay out same.
					There are some metal debris at CCL.
					Junk basket catches some small cuttings and one metal debris.
17:45	19:45	2:00	LOG		Prepare plug setting tool.
					Fill up oil for temperature compensation.
					Install explosive and igniter.
					Install EZSV at the bottom of plug setting tool.
					Measure the tool string.
19:45	23:30	3:45	LOG		RIH plug setting tool w/EZSV and set EZSV at 4,869mBRT.
					Set wireline depth counter "Zero" at CCL sensor depth at rotary.
					Activate CMC at 50mBRT.
					Conduct depth correlation at 6m pup while RIH.
					RIH to 4,865mBRT and conduct depth correlation between 4,820~4,872mBRT w/Up log.
					Decide EZSV set depth at 4,869mBRT.
					Pick up EZSV to 4,869mBRT (CCL depth: 4,866.12mBRT) and fire.
					Confirm wireline tension decreased with 200lbs after a few minutes. Top of EZSV at 4,869mBRT.
23:30	24:00	0:30	LOG		POOH plug setting tool to surface, on going.
					24hr ditch magnet weight: 0 kg (total 4.72kg)
					[Offline activities]
					Continue investigation on diverter malfunction.
					MU and secure FOSV x HWDP x NAMCBPV x 6-5/8"DP UD165 (1jt) for surface test at Aux. well.
					Dive ROV and monitor hydrate around BOP/Wellhead: No bubbles from ports on LPWHH.
					Remove hydrate around underneath of Wellhead connector by trash pump.
					Unable to remove hydrate underneath of LBOP because manipulator arm cannot reach there.
					Check Yellow OGB "Open" condition by ROV: Observe BOP fluid leak from SPM.
					Pressure test NSD manifold and hose to 7,000psi for 10mins - good test.

Junk Basket Assembly

Tool	Length (m)
PEK-BC	0.72
CAL-B	0.72
EQF-33	1.52
Junk Basket	2.25

Plug setting tool assembly

Tool	Length (m)
PEK-BB	0.65
CAL-B	0.71
PLUG	2.3
EZSV	0.93

* CCL ~ Top of EZSV: 2.88m

** CCL ~ Center of packer: 3.25m

*** CCL ~ Bottom of EZSV: 3.77m

[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 LIK/Open, Close malfunction
- Yellow OGB, Open, Leak

Time Breakdown (00:00 - 06:00 on 5-Nov) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	Depth(mBRT)	Detail of Operation
0:00	1:45	1:45	LOG		Continue to POOH plug setting tool to surface.
					Close CMC at 50mBRT.
					Recover some metal debris around CCL tool. Confirm EZSV bridge plug is released from running tool.
					Concurrently flush pressure test line from cement unit to choke line with 5bbl.
1:45	2:30	0:45	BOPE		Pressure test against EZSV to 3,300psi for 5min by cementing pump - good test.
					Pressure test surface line to 3,500psi for 5mins - good test. Close BSR.
					Pressure test against EZSV with 3,300psi by cementing pump - good test. Bleed off pressure. Pumped 12.8bbl, returned 12.8bbl.
2:30	3:45	1:15	LOG		Rig down wireline equipment.
3:45	6:00	2:15	RS		Slip and cut drill line.
					Concurrently modify service loop deflection bar on HPS.

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

BHA Record @24:00

Hook Wt. (kN) @24:00hrs mBRT

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

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	17:00	Pit	1.33	53	12	24	7	6	10	2.8	0.4	9.9	0.2	135,000	0.25		15.0	0.25	22		21,400	0.42	2.71		10	96

Jar Rotating time S/N: -

Today	-	Total	-	hrs

Cutting skip @24:00

Empty	Full	Total
34	0	34

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"	0	0	0.0	0	0
2	6"(Booster)	0	0			
3	6"	0	0			

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)			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			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

ROV @24:00

Status	On deck
Last Dive	11/4/2018
Injection Skid	135 /135 gal

Geologic Information

From	To	Lithology of cuttings

Heli Information @24:00

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

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

Safety (HSE) and other information

Incident	Last Incident	No. LTA
LTA		
HUNS cards	33	

Remarks

Conduct emergency drill for firefighting and abandon ship.

Materials Stock on Board @24:00

Item	Unit	Stock	Used	Received
Fresh Water	m3	285.5	80.6	102.1
Potable Water	m3	247.5	7.5	0.0
Drill Water	m3	1,923.0	5.0	0.0
Fuel	m3	6,930.7	44.7	0.0
Lube, Oil	Ltrs	124,600	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

Mud volume@24:00

Mud Volume (m3)	
KNPP mud (1.33)	357
Old Mud(Contami)	359
Slug mud	8
KNPP mud (1.37)	59
total	783

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)	16244
Max Draught (m)	9.0
Thruster (kW)	1300

Boat Information @24:00

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

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	bc	19.5	22.3	1020.1	9.9	4	11.3	1.6	90	5.5	0.5	207	22.0

Today's Schedule: Complete slip and cut drill line. Set whipstock.

Reported by : A. Suzuki / T. Yokoyama

Approved by : T. Ikawa