Chikyu DAILY MORNING REPORT

Mission No. : CK18-04 **Exp. No. :** Exp 358 **Report No. :** 24

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 :	31/Oct/2018		
Depth : @24:00	4,647.0 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	4,722.0 mBRT	mbsf	LAST CASING :	11-3/4" x 2,922.50 mbsf(4,890.0 mBRT)	Last BOP FT:	10/25/2018	Next BOP FT: 11/1/2018
Summary of Operation	on 30-Oct :	POOH 12-1/4" DO BHA from 456mBRT to surface. RIH 10-5/8" DO BHA to 4625mBRT. W/R down to 4647mBRT					Last Glycol 35gal Inj. 24 October 2018
Present Operation @ 06:00	on 31-Oct :	Circulating well clean.					mBRT: meter below rotary table
Time Breakdown (00:00 - 24:00	on 30-Oct)						mbsf: meter below sea floor

From	To	Hrs	Code	Depth(mBRT)	Detail of Operation
0:00	3:00	3:00	TRIP		Continue POOH 12-1/4" Drill out BHA from 456mBRT to surface.
3:00	4:00	1:00	RS		Service for grease up HPS, T-block and Dolly.
					Meanwhile, Flush Choke and Kill line w/250gpm x 1.9MPa
					Observe BOP yellow POD LIK malfunction, not able to Open/Close. NG
					Functioning LIK from Blue pod. OK
4:00	21:30	17:30	TRIP		Make up and run 10-5/8" Drill out BHA from surface to 4,625.0mBRT.
					Check the length for Jar mandrel; 18-3/16"
					Fill up the string every 15 stands.
					Vessel status(3:10-3:50): Advisory status due to maintenance #3 port main generator
					Observe no excess drag while passing through 3,373 to 3,530mBRT (Drill out cement section).
					Observe no excess drag while passing through the top of 11-3/4"Liner hanger.
21:30	21:45	0:15	TRIP		Take weight with 80kN at 4,625.0mBRT.
					Try to pass without pumping.
					It seems to be possible to pass with some attempts, but it takes waste time to pass through.
21:45	24:00	2:15	W&R		Wash / Ream down to 4,647.0mBRT, on going.
					Wash down from 4,625.0 to 4,640.0mBRT.
					HL: 3050-3300kN, WOB: 0-80kN, MP: 150gpm x 3.5MPa
					Start HPS rotation from 4,640.0mBRT.
					Ream down from 4,640.0 to 4,647.0mBRT.
					HL: 3100-3250kN, WOB: 0-60kN, MP: 150-200gpm x 3.5-4.8MPa, HPS: 30rpm x 10-12kNm.
					Find leak from suction module cover #2 on mud pump #2. Troubleshoot same.
					[BOP failure]
					- Blue communication CH.B
					- Blue lower annular UOK/Close, Leak
					[Offline activities] - Blue UIC/Open, Leak
					Pressure test 2ea x FOSV (5-1/2 FH DSTJ) to 7,000psi for 15min - good test. - Blue Booster/Close, Leak
					ROV check hydrate around wellhead area - No hydrate and bubbles around wellhead. - Yellow Upper pipe ram/Open, Leak
					Load Schlumberger downhole motor, MWD equipment from Akatsuki. - Yellow LIK/Open, Close malfunction

Time Breakdown (00:00 - 06:00 on 31-Oct) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	Depth(mBRT)	Detail of Operation	Pumped Vol.	MW Out
0:00	2:15	2:15	W&R		Continue to ream down from 4,647.0 to 4,734.0mBRT. Tag at top of cement at 4,734.0mBRT with 60kN down (32m above landing collar depth).		
					HL: 3150-3200kN, WOB: 0-30kN, MP: 200gpm x 4.8MPa, HPS: 30rpm x 11-13kNm.		
					Replace leaking suction modue cover on mud pump #2 - back to operational.		
2:15	6:00	3:45	C&C		Circulate hole clean at 900gpm on string and 400gpm on riser booster.		
					HL: 3200-3230kN, MP: 900gpm x 27-28MPa, HPS: 30rpm x 9-10kNm.	230m3	1.30+
					Mud weight out drop to 1.30+sg after pumping 230m^3. Receive light mud to reserve tank #6 and active tank #3.	255m3	1.28
					Total 105m^3 of light weight mud received.	300m3	1.29
					Observe returned mud weight 1.34sg and MW in 1.34sg after pumping 660m^3. Run centrifuge to reduce MW to 1.33sg.	340m3	1.32+
					Total pumped volume: 960m^3 as of 6am.		

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. (kern)	Dull Condition Inner	Outer	Dull	Loc.	B	G	O.D.	RP
2	10.625	Smith	Mill Tooth	117	RJ8093	1 x 13, 3x 16			0.0														

BHA Record @24:00

#2	12-1/4" Drill Out	12-1/4" Bit x Bit Sub w/float(non-ported) x 8-1/2" DC (4stds) x XO x 5.68" HWDP (3stds) x XO x 5-1/2" DP S140 (30stds) x XO x 5-1/2" DP S-150(47stds) x XO x 6-5/8" DP UD-165
#3	10-5/8" Drill Out	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

Hook Wt. (kN) @24:00hrs	4,647.0	mBRT
Hook Load		3,178
BHA		120
Below HWDP		120
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	23:00	Pit	1.33	61	15	23	8	7	10	2.6	0.5	11.5	1.1	145,000	Tr	-	14.0	-	17	12	26,400	0.48	1.91		12	90

Jar Rotating time S/N: -

Today	-	Total	- hrs

Cutting skip @24:00

Empty	Full	Total
37	0	37

ROV @24:00

Status	On deck
Last Dive	10/30/2018
Injection Skid	135 /135 gal

Mud Pumps : 14-P-220 @ 4734.0 mBRT 5.00 gallon/stroke @97%

No.	Liner Size	SPM	GPM	Press. (MPa)	Ann. Vel. (m/min) DC	Ann. Vel. (m/min) DP
1	6"	90	450	26.6	48	38
2	6"	80				
3	6"	90				

Personnel @24:00

CDEX	9
MQJ Crew	99
MQJ (SC, Other)	2
MWJ	15
Scientist	2
Telnite	2
Oceaneering	6
SLB Cementing	1
SLB WL	3
Geoservices	4
BHGE	0
M-I SWACO	4
Gyrodata	1
HAL UR	1
SLB Whipstock	2
SLB LWD	2
SLB DD	1
AFGlobal	2
Total	156

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

Item	Received	Used	Stock
Barite (Bulk)		17,000	793,500
Caustic Soda			1,200
Lime			200
Soda Ash			1,325
Caustic Potash			2,400
Tel-Polymer DX / L / H			5,500/ 1,060 / 0
XCD-Polymer		250	1,800
Lignate NC			4,500
Clean Lube W			9,000
Tel Clean W			6,400
Astex-S		500	5,800
Deformer 30C			400
Tell DD			3,200
Bi-Carbonate			1,250
Citric Acid		50	2,950
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			163
Driscal D			0
Tel Flow P			0
Poro Seal			2,310
Steel Seal 50		1,000	4,250
KCl			13,000
NaCl			10,000
Fracseal		11,000	10,000
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	327.0	74.9	97.9
Potable Water	m3	282.5	5.5	0.0
Drill Water	m3	1,902.0	30.0	0.0
Fuel	m3	7,167.1	46.3	0.0
Lube, Oil	Ltrs	127,000	1,200	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)	501
Old Mud(Contami)	308
Slug mud	4
total	813

Heli Information @24:00

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	09:14	09:22	7	2
2	11:23	11:32	4	2
3				
4				

Safety (HSE) and other information

Incident	Last Incident	No. LTA
LTA		
HUNS cards	23	

Remarks

Boat Information @24:00

Boat Name	Status	Time @Chikyu Departed	Time @Chikyu Arrived
#8 Meiji-maru	Chikyu		
Akatsuki	Chikyu		19:25

Marine Information @24:00

Heave (m)	0.9
Pitch (deg)	0.6
Roll (deg)	0.2
Vessel Heading (deg)	340
Riser Tension (kN)	10000.0
V.D. Load (ton)	16615
Max Draught (m)	9.0
Thruster (kW)	1550

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	18.0	23.0	1018.3	7.8	315	9.5	1.7	260	6.4	1.6	213	22.0

Today's Schedule: Circulate hole clean. Pressure test 11-3/4" liner and 13-3/8" casing. Drill out 11-3/4" shoe track. Perform shoe bond test to 1.45sg EMW.

Reported by : A. Suzuki / T. Yokoyama

Approved by : T. Ikawa