

Chikyu DAILY MORNING REPORT

Mission No. : **CK18-04**

Exp. No. : **Exp 358**

Report No. : **23**

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 : **30/Oct/2018**
 Depth : @24:00 **456.0** 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 **126.0** 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 **29-Oct** : **Drill out cement 3,485 - 3,530mBRT. RIH and tag TOL at 3,884.2mBRT. Circulate bottoms up. POOH BHA to 456mBRT** Last Glycol 35gal Inj. **24** October 2018
 Present Operation @ 06:00 on **30-Oct** : **Continue POOH 12-1/4" Drill out BHA to surface. Make up and run 10-5/8" drill out BHA to 126mBRT.** mBRT: meter below rotary table
 Time Breakdown (00:00 - 24:00) on **29-Oct** mbsf: meter below sea floor

From	To	Hrs	Code	Depth(mBRT)	Detail of Operation
0:00	1:00	1:00	DRL		Continue Drill out cement from 3,485mBRT to 3,495mBRT. 3,485-3,495mBRT: HK:2,320-2325kN, WOB:7-30kN, 800gpm x 16MPa, 100rpm x 6-14kNm Stop rotation at 3,495mBRT and check cement with 150gpm x 2.1MPa, take weight 40kN
1:00	2:30	1:30	DRL		Continue Drill out cement from 3,495mBRT to 3,517mBRT. 3,495-3,517mBRT: HK:2,326-2350kN, WOB:17-40kN, 800gpm x 16MPa, 100rpm x 6-15kNm Stop rotation at 3,517mBRT and check cement with 150gpm x 2.2MPa, take weight 40kN
2:30	3:15	0:45	DRL		Continue Drill out cement from 3,517mBRT to 3,530mBRT. 3,517-3,530mBRT: HK:2,390-2400kN, WOB:5-20kN, 800gpm x 16.5MPa, 100rpm x 6-15kNm
3:15	5:00	1:45	W&R		Wash down from 3,530mBRT to 3,646mBRT 3,530-3,533mBRT: Stop rotation and wash down with 150gpm x 2.3MPa, WOB:0-10kN, take weight 60kN at 3,530mBRT 3,533-3,646mBRT w/rotation: HK:2,390-2450kN, WOB:0kN, 800gpm x 16.5MPa, 100rpm x 2-6kNm, Observe cement remaining partially, WOB 20-30kN
5:00	5:15	0:15	OTHER		Conduct flow check, OK
5:15	7:00	1:45	TRIP		RIH 12-1/4" Drill out BHA from 3,646mBRT to 3,884.2mBRT. Tag top of 11-3/4" liner at 3,884.2mBRT (1.4m deeper than plan).
7:00	11:00	4:00	TRIP		Circulation and bottoms up w/800gpm x 17.5MPa on string and 300gpm x 2.8MPa on riser booster - total 155m ³ /985bbl pumped on string. Return mud weight decreased from 1.33sg to 1.32sg after pumping 115m ³ , then back to 1.33sg after pumping 138m ³ . Impossible separate "old mud" from return mud.
11:00	13:00	2:00	TRIP		POOH 12-1/4" Drill out BHA from 3,844.2mBRT to 3,651mBRT. At 3,728mBRT, burst hydraulic hose for lower clamp on iron roughneck. POOH the BHA using manual tong from 3,728mBRT to 3,651mBRT.
13:00	15:15	2:15	RR		Swap iron roughneck at main well with back up iron roughneck at auxiliary well. Back up iron roughneck not functioning at main well - Unable to set make up / break out torque. Troubleshoot it.
15:15	0:00	8:45	TRIP		Resume POOH 12-1/4" Drill out BHA from 3,651mBRT to 447mBRT. POOH 12-1/4" Drill out BHA from 3,651mBRT to 3,153mBRT using manual tong. Concurrently troubleshoot on back up iron roughneck. Replaced blown fuse for torque setting valve in Local Equipment Room (LER). Function test - good test POOH 12-1/4" Drill out BHA from 3,153mBRT to 456mBRT using back up iron roughneck.
					[Other activities] [BOP failure] - Function test Nustar riser spider - good test. - Blue communication CH.B - Mix 64m ³ of 1.33sg KNPP mud (40ppb Fracseal) - Blue lower annular UOK/Close, Leak - Blue UIC/Open, Leak - Blue Booster/Close, Leak - Yellow Upper pipe ram/Open, Leak

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	6:00	2:00	TRIP		Make up and run 10-5/8" Drill out BHA to 126mBRT Check the length for Jar mandrel: 18-3/16" Vessel status(3:10-3:50): Advisory status due to maintenance #3 port main generator

Bit No.	Size (in)	MFR	Type	IADC Code	S/No.	Nozzles	Depth (mBRT)	Meter-age	Hrs.	WOB (kN)	rpm	Total Rev. (kern)	Dull Condition							
							From : To			Min. : Max.	Min. : Max.		Inner	Outer	Dull	Loc.	B	G	O.D.	RP
1	12.25	NOV	PDC	M423	A162762	9 x 13	3,373.0 : 3,646.0	273.0	12.25	0 : 40	80 : 100	71.0	1	1	CT,PN	T	X	1	WT	TD

#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	Hook Wt. (kN) @24:00hrs	456.0	mBRT
			Hook Load	675	
			BHA	-	
			Below HWDP	-	
			below Jar	-	
			HPS & Traveling block	600	
			Hook + RRT	-	
			Hook block	-	

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)	
KNPP	18:00	Pit	1.33	65	14	26	8	7	10	2.5	0.5	11.3	1.1	149,000	Tr	-	14.0	-	15	24,700	0.43	2.69	0.4	11	87

No.	Liner Size	SPM	GPM	Press. (MPa)	Ann. Vel. (m/min)
1	6"				DC DP
2	6"	220	1100	18.0	202
3	6"				96

From	To	Lithology of cuttings

No.1	20, 120 x 2ea	No.4	20, 120 x 2ea	No.1	off
No.2	20, 120 x 2ea	No.5	20, 120 x 2ea	No.2	off
No.3	20, 120 x 2ea	No.6	20, 120 x 2ea	No.3	off

Item	Unit	Stock	Used	Received
Fresh Water	m3	304.0	81.4	97.4
Potable Water	m3	288.0	2.0	0.0
Drill Water	m3	1,932.0	5.0	0.0
Fuel	m3	7,213.4	47.8	0.0
Lube, Oil	Ltrs	128,200	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 Name	Status	Time @Chikyu
#8 Meiji-maru	Chikyu	Departed
Akatsuki	Chikyu	Arrived

Time	Weather	Temp. (degC)	Barometer (hPa)	Wind	Wave	Current	Visibility
24:00	bc	20.0	23.0	1016.0	9.9	Dir. (deg) : 280 Gust (m/s) : 11.3 Height (m) : 3.0 Dir. (deg) : 250 Period (s) : 7.2 Speed(knt) : 1.4 Dir. (deg) : 218	22.0

Today's Schedule: Continue to RIH 10-5/8" Drill out BHA. Circulate and bottoms up. Pressure test for Casing. Drill out cement 11-3/4" liner shoe.

Personnel @24:00	(unit: kg)
CDEX	6
MQJ Crew	99
MQJ (SC, Other)	2
MWJ	15
Scientist	2

Mud Materials on Board @24:00hrs	(unit: kg)
Barite (Bulk)	810,500
Caustic Soda	1,200
Lime	200
Soda Ash	275
Caustic Potash	325
Tel-Polymer DX / L / H	540/140/0
XCD-Polymer	2,050
Lignate NC	4,500
Clean Lube W	1,000
Tel Clean W	6,400
Astex-S	6,300
Deformer 30C	16
Tell DD	400
M-I SWACO	3,200
Gyrodatta	125
Citric Acid	250
HAL UR	1
SLB Whipstock	2
Tan Cal M / F / FF	1,020 / 210 / 510
Telinite 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
Driscad D	0
Tel Flow P	0
Poro Seal	2,310
Steel Seal 50	5,250
KCl	3,000
NaCl	8,000
Fracseal	21,000
Stopseal	8,000
Bentonate(Bulk)	46,000

Mud volume@24:00	(m3)
KNPP mud (1.33)	412
Old Mud(Contami)	308
Slug mud	12
Mixing KNPP mud	45
total	777

Fit.	Time	Passenger
No.	Arrived	Departed
1		
2		
3		
4		

Incident	Last Incident	No. LTA
LTA		
HUNS cards	23	

Empty	Full	Total
37	0	37

ROV @24:00	Status	On deck
Last Dive		10/29/2018
Injection Skid		135 /135 gal

Incident	Last Incident	No. LTA
LTA		
HUNS cards	23	

Heave (m)	0.8
Pitch (deg)	0.8
Roll (deg)	0.2
Vessel Heading (deg)	210
Riser Tension (kN)	10600.0
V.D. Load (ton)	16519
Max Draught (m)	9.0
Thruster (kW)	850

Reported by : A. Suzuki / N. Sakurai
Approved by : T. Ikawa