

Chikyu DAILY MORNING REPORT

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

Report No. : **69**

Site Name **C0002** Hole Name **C0002Q** Lat. **33° 18.0507'N** Long. **136° 38.2029'E** Seabed Depth : **1,967.5** mBRT RT-MSL : **28.5** m Report Date : **15/Dec/2018**
 Depth : @24:00 **5,230.0** mBRT **3262.5** mbsf Progress : **0.0** m Drilling/Coring/Underreaming Hrs. : **0.00** hrs Last BOP PT: **12/14/2018** Next BOP PT: **14/2019**
 Depth : @06:00 **5,230.0** mBRT **3262.5** mbsf LAST CASING : **11-3/4"** x **2,922.50** mbsf (**4,890.0** mBRT) Last BOP FT: **12/14/2018** Next BOP FT: **12/21/2018**
 Summary of Operation on **14-Dec** : Cont. POOH to 4,327mBRT, BOP pressure test and function test, POOH to surface. Rig service, Slip and cut.
 Present Operation @ 06:00 on **15-Dec** : Lay out NSD subs and replace dolly solenoid valve of traveling block. Last Glycol 35gal Inj. **12/11/2018**
 Time Breakdown (00:00 - 24:00 on **14-Dec**) mBRT: meter below rotary table mbsf: meter below sea floor

From	To	Hrs	Code	Depth(mBRT)	Detail of Operation
0:00	1:15	1:15	TRIP	5,230.0	POOH 8-1/2" x 12-1/4" hole opening assembly from 4,712mBRT to 4,327mBRT
1:15	6:00	4:45	BOPE	5,230.0	Boost riser: 890gpm x 4.9MPa Conduct BOP pressure test by Blue POD from Drillers house. Test pressure: 300psi x 5min. 4,600psi x 5min. - Pressure test #1 for UOK and LOK - Good test. - Pressure test #2 for UIK and LIK - Good test. - Pressure test #3 for LAP, UOK and Test ram - Good test. - Pressure test #4 for MPR, OGB and UOC - Good test. - Pressure test #5 for UPR, UIK, IGB and UIC - Good test. - Pressure test #6 for UAP, IGB, UIC and LIC - Good test. - Pressure test #7 for OGB, UOC and LOC, Lower outer choke - Good test While BOP pressure test, lay out 2 joint of NSD sub. Conduct BOP function test with Blue POD from TP panel. Find Middle pipe ram "Close" leakage (15l/min).
6:00	6:30	0:30	BOPE	5,230.0	POOH 8-1/2" x 12-1/4" hole opening assembly from 4,327mBRT to surface Boost Riser: 470gpm x 4.2MPa Jar mandrel length: 523mm Check 8-1/4", 8-1/8" and 10-5/8" stabilizer OD. in gauge Z-reamer: back ream cutter chipped partially. Cutter blade not fully closed by debris, Body OD:8-1/4", Blade area MAX OD: 9-5/16", nozzle plug x 1ea Bit: damage gauge cutter(2ea), locate on 1 blade (total 6 blade), other cutters no damage, in gauge
6:30	21:15	14:45	TRIP	5,230.0	Rig service Conduct grease up for Dolly, T-Block, HPS, HR#1, IR and CMC. Lay out Elevator and T/J breaker for maintenance
21:15	22:30	1:15	OTHER	5,230.0	Slip and cut drilling line.
22:30	24:00	1:30	OTHER	5,230.0	

Ditch magnet: 0.0kg (Total 178.8kg)

Time Breakdown (00:00 - 06:00 on **15-Dec**) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	Depth(mBRT)	Detail of Operation
0:00	4:15	4:15	OTHER	5,230.0	Continue to slip and cut drilling line.
4:15	4:45	0:30	OTHER	5,230.0	Break test of DW.
4:45	6:00	1:15	OTHER	5,230.0	Lay out 1 joint of NSD subs (Total 3joints/1 joint). Meanwhile, replace dolly solenoid valve.

Bit Record @24:00

Bit No.	Size (in)	MFR	Type	IADC Code	S/No.	Nozzles	Depth (mBRT)		Meter- age	Hrs.	WOB (kN)		rpm	Total Rev. (krev)	ROP (m/hr)	Dull Condition								
							From	To			Min.	Max.				Min.	Max.	Inner	Outer	Dull	Loc.	B	G	O.D.
5	8.5	Smith	hexblade X561	M323	QF3237	3x12/32, 3x13/32	4,920.0	4,928.0	8.0	48.17	0	100	60	140	15.4	4.1	0	1	BF(1)	G	-	I	NO	HP
5	8.5	x 12.25	Drillstar	Z-Reamer850	NA	52764	1x 7/32, 2x 8/32	4916.0	4,928.0	12.0	5.50						1	1	CT	G	-	I	PN(1)	HP

BHA Record @24:00

#14	LWD	8.5"x12.25"		8-1/2" Bit x Bit sub w/non-ported x XO x arcVision675 x TeleScope675 x XO x 8-1/4" Stabilizer x 6-3/4"DC (1) x Z-Reamer x Float sub w/non-ported float x 6-3/4"DC (1) x 8-1/8" Stabilizer x 6-3/4"DC (10)	
		x XO x 8-1/2"DC (3)	x 10-5/8" Stabilizer x 8-1/2"DC (3)	x 8" Jar x 8-1/2"DC (3)	x XO x 5.68"HWDP (3stds) x XO

Mud Properties @24:00

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	6rpm	3rpm	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	4:00	Pit	1.37	68	25	34	14	11	21	5.1	0.7	10.2	0.1	128,000	0.20		17.0	1.50	10		22,000	0.42	3.82	3.40	17	Over
KNPP	14:00	Pit	1.37	69	25	35	14	13	21	5.1	0.7	10.0	0.1	124,000	0.20		17.0	1.50	10		22,000	0.40	4.12	3.60		

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

No.	Liner Size	SPM	GPM	Press. (MPa)	Ann. Vel. (m/min)
1	6"	0	0		6.7500 5.5'DPP
2	6"	0	0	0.0	0
3	8"(Booster)	0	0		0

Geologic Information @24:00

From	To	Lithology of cuttings

Shale Shaker @24:00 Centrifuge: 0.0 hrs

No.1	20, 170	No.4	30, 170	No.1	off
No.2	20, 170	No.5	30, 170	No.2	off
No.3	30, 170	No.6	30, 170	No.3	off

Materials Stock on Board @24:00

Item	Unit	Stock	Used	Received
Fresh Water	m3	319.0	83.8	100.8
Potable Water	m3	290.0	7.5	0.0
Drill Water	m3	1,560.0	11.0	0.0
Fuel	m3	5,888.4	47.3	0.0
Lube, Oil	Ltrs	95,500	700.0	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

Personnel @24:00

Name	Count
CDEX	7
MQJ Crew	103
MQJ (Other)	2
MWJ	15
Scientist	4
Telnite	2
Oceanengineering	6
SLB Cementing	1
SLB WL	0
Geoservices	6
M-I SWACO	4
SLB Underreamer	2
SLB LWD	2
SLB Seismic	0
AFGlobal	2
ENVENTURE	0
SLB DD	0
Franks	0
Total	156

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

Item	Received	Used	Stock
Barite (Bulk)			544,000
Caustic Soda			1,200
Lime			200
Soda Ash			850
Caustic Potash	2,400		2,450
Tel-Polymer DX / L / H	6160/800/0		6620/1500/0
XCD-Polymer			1,275
Lignite NC			4,500
Clean Lube W			0
Tel Clean W			6,400
Astex-S			0
Deformer 30C			352
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			105
Driscoll D			0
Tel Flow P			0
Poro Seal			0
Steel Seal 50			5,500
KCl			10,000
NaCl	20,000		30,000
Fracseal	20,500		20,500
Stopseal			8,000
Bentonate(Bulk)			46,000

Boat Information @24:00

Boat Name	Status	Time @Chikyu
		Departed Arrived
#8 Meiji-maru	NE Smile	
Akatsuki	Chikyu	
Shincho-maru	Shingu	

Weather Information

Time	Weather	Temp. (degC)	Barometer (hPa)	Wind Speed (m/s)	Dir. (deg)	Gust (m/s)	Wave Height (m)	Dir. (deg)	Period (s)	Current Speed(knt)	Dir. (deg)	Visibility (km)
24:00	bc	9.0	19.6	1026.7	12.3	2	14.2	1.4	10	4.5	0.1	207

Today's Schedule: Replace dolly solenoid valve. Lay out 8joints of NSD sub. Casing thread check on rack back 9-5/8" & 9-5/8" CSG. Rig up WL, Set Bridge plug.

Reported by : N. Sakurai / T. Nishiyama
 Approved by : T. Saruhashi