Chikyu DAILY MORNING REPORT

Mission No. : CK18-04 **Exp. No. :** Exp 358 **Report No. :** 41

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 :** 17/Nov/2018

Depth : @24:00 4,867.0 mBRT mbsf Progress : 0.0 m Drilling/Coring/Underreaming Hrs. : 0.00 hrs Last BOP PT: 11/15/18 Next BOP PT: 12/6/18

Depth : @06:00 4,867.0 mBRT mbsf LAST CASING : 11-3/4" x 2,922.50 mbsf(4,890.0 mBRT) Last BOP FT: 11/15/18 Next BOP FT: 11/22/18

Summary of Operation on 16-Nov : Cont POOH BHA to 1,032mBRT. Troubleshoot Dolly cylinder. Cont POOH BHA to surface. Troubleshoot Dolly cylinder. Last Glycol 35gal Inj. 11/13/18

Present Operation @ 06:00 on 17-Nov : Troubleshoot for Traveling block Dolly cylinder . mBRT: meter below rotary table

Time Breakdown (00:00 - 24:00 on 16-Nov) mbsf: meter below sea floor

From	To	Hrs	Code	Depth(mBRT)	Detail of Operation
0:00	3:00	3:00	C&C	4,867.0	Circulate and bottoms up.
					900gpm x 25.2MPa on string and 400gpm on riser booster.
					Drop carbide into string to confirm bottoms up volume. Return to surface at 02:22 (Estimated return: 02:25).
					Confirm no steel return on shaker after bottoms up.
3:00	14:15	11:15	TRIP	4,867.0	POOH 10-5/8" window mill assembly from 4,850mBRT to 1,032mBRT.
					Break connection by rig tong from 4,680mBRT to 4,565mBRT while replacing broken die teeth on roughneck.
					Observe no losses/gains and no overpull while POOH.
					Check free torque at 2,200mBRT for reference of setting storm packer.
					5rpm x 0.4kNm, 10rpm x 0.7kNm, 20rpm x 0.8kNm, 30rpm x 1.0kNm.
14:15	16:00	1:45	RR	4,867.0	Troubleshoot for Traveling Block Dolly cylinder
					Observe hydraulic oil leaking at Rigfloor due to burst dolly cylinder suddenly
					Remove hoses from cylinder and put plugs for all hydraulic lines
16:00	21:00	5:00	TRIP	4,867.0	Cont POOH 10-5/8" window mill assembly from 1,032mBRT to surface.
					While POOH, keep Dolly extend due to not able to retract by cylinder
					Observe no losses/gains and no overpull while POOH.
					Check Mill OD - Window mill: 10-5/8" in gauge(same as before RIH), String mill: 15/64" under gauge
21:00	24:00	3:00	RR	4,867.0	Troubleshoot for Traveling block Dolly cylinder
					Replace to spare cylinder, on going.
					[BOP failure]
					- Blue communication CH.B
					- Blue Lower pipe ram open, minor leak
					- Blue Middle pipe ram open, minor leak
					- Blue Inner Gas bleed open, severe leak
					- Blue UIC/Open, Leak
					- Blue Booster/Close, Leak
					- Yellow Upper pipe ram/Open, Leak
					- Yellow LIK/Open, Close malfunction
					- Yellow OGB, Open, severe Leak
					- Yellow Upper inner kill valve open, minor leak
					- Yellow Upper outer kill valve open, minor leak
					[OBS]
					Deploy OBS #2 (33-18.0735N, 136-38.2932E): From planned position 1.0m〈68deg〉
					Deploy OBS #3 (33-17.9010N, 136-38.2621E): From planned position 2.3m〈155deg〉
					Conduct communication check from Moonpool Transducer to OBS, OK. All OBSs were installed.
					[Ditch Magnet Weight]
					24hr ditch magnet weight: 0.0kg (total 93.7kg)

Time Breakdown (00:00 - 06:00 on 17-Nov) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs.	Code	Depth(mBRT)	Detail of Operation
0:00	6:00	6:00	RR	4,867.0	Cont trouble shoot for Traveling block Dolly cylinder
					Replace to spare cylinder, on going.

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 (knt) Min.	WOB (knt) Max.	rpm Min.	rpm Max.	Total Rev. (kern)	Dull Condition Inner	Outer	Dull	Loc.	B	G	O.D.	RP
	10.625	SLB	Window mill			8x20/32																	

BHA Record @24:00

#9	Window mill	10-5/8" Window mill x XO #1 x 10-5/8" String mill x XO #2 x XO #3 x 6-5/8" HWDP x XO #4 x XO #5 x Float sub w/float x 8-1/2"Drilling DC (4stds) x XO #6 x 5.68" HWDP (3 stds) x XO #7 x 5" DP S-140 (23 stds) x XO #8 x 5-1/2" DP S-150 (50 stds) x XO #9 x 6-5/8" DP Z-140 (22 stds) x 6-5/8" DP UD-165

Hook Wt. (knt) @24:00hrs 0.0 mBRT

Hook Load	-
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	1:00	4,864	1.37	61	25	38	11	10	14	2.6	0.5	10.2	0.2	138,000	0.25		16.0	0.25	12	10	21,400	0.41	3.41	1.00		
KNPP	14:30	Pit	1.37	56	24	37	10	10	14	2.5	0.5	10.1	0.2	138,000	0.25		16.0	0.25	18		20,300	0.42	2.92	1.00		

Cutting skip @24:00

Empty	Full	Total
38	0	38

ROV @24:00

Status	In water
Last Dive	11/16/18
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"		0		DC	DP
2	6"(Booster)		0		0	0
3	6"		0			

Personnel @24:00

CDEX	10
MQJ Crew	99
MQJ (SC, Other)	1
MWJ	15
Scientist	5
Telnite	2
Oceaneering	6
SLB Cementing	1
SLB WL	3
Geoservices	6
BHGE	0
M-I SWACO	4
Gyrodata	1
SLB Whipstock	2
SLB LWD	2
SLB DD	2
SLB Seismic	2
AFGlobal	2
Drillchem	1
Total	164

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

Item	Received	Used	Stock
Barite (Bulk)			654,500
Caustic Soda			1,200
Lime			200
Soda Ash			225
Caustic Potash			1,100
Tel-Polymer DX / L / H			3260/1300/0
XCD-Polymer			1,050
Lignate NC			4,500
Clean Lube W			5,000
Tel Clean W			6,400
Astex-S			5,300
Deformer 30C			368
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
Driscal D			0
Tel Flow P			0
Poro Seal			2,310
Steel Seal 50			1,250
KCl			5,000
NaCl			18,000
Fracseal		4,000	10,500
Stopseal			8,000
Bentonate(Bulk)			46,000

Heli Information @24:00

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	9:15	9:25	8	8
2				
3				
4				

Geologic Information @24:00

From	To	Lithology of cuttings

Shale Shaker @24:00 Centrifuge: hrs

No.1	20, 50 x 2ea	No.4	20, 50 x 2ea	No.1	off
No.2	20, 50 x 2ea	No.5	20, 50 x 2ea	No.2	off
No.3	20, 50 x 2ea	No.6	20, 50 x 2ea	No.3	off

Materials Stock on Board @24:00

Item	Unit	Stock	Used	Received
Fresh Water	m3	333.0	73.5	100.5
Potable Water	m3	271.0	7.0	0.0
Drill Water	m3	1,770.0	4.0	0.0
Fuel	m3	6,367.8	45.6	0.0
Lube, Oil	Ltrs	118,700	500.0	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

Mud volume@24:00

Mud Volume (m3)	
KNPP mud (1.33)	310
KNPP mud (1.37)	265
Slug mud	5
total	580

Safety (HSE) and other information

Incident	Last Incident	No. LTA
LTA		
HUNS cards	39	

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)	0.3
Pitch (deg)	0.3
Roll (deg)	0.1
Vessel Heading (deg)	080
Riser Tension (kN)	9500.0
V.D. Load (ton)	15504
Max Draught (m)	9.0
Thruster (kW)	910

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	19.0	21.4	1019.0	5.8	22	6.7	1.6	60	6.2	0.9	229	22.0

Today's Schedule: Continue to trable shoot for Traveling block Dolly cylinder. RIH 8-1/2" KO assembly.

Reported by : N. Sakurai / T. Nishiyama

Approved by : T. Saruhashi