Chikyu DAILY MORNING REPORT

Mission No. : CK18-04 **Exp. No. :** Exp 358 **Report No. :** 46

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 :** 22/Nov/2018

Depth : @24:00 4,990.0 mBRT 3022.5 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 4,990.0 mBRT 3022.5 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 21-Nov : POOH 8-1/2"KO assembly to surface. Slip & cut @1,394.5mBRT. Swap Iron roughneck. MU surface test assembly. Last Glycol 35gal Inj. 11/13/18

Present Operation @ 06:00 on 22-Nov : Cont. MU surface test assembly and conduct surface test. MU and Run 8-1/2" x 12-1/4" LWD assembly to 30mBRT.

mBRT: meter below rotary table

Time Breakdown (00:00 - 24:00 on 21-Nov) mbsf: meter below sea floor

From	To	Hrs	Code	Depth(mBRT)	Detail of Operation
0:00	3:00	3:00	TRIP	4,990.0	Continue 8-1/2" KO assembly POOH to 3,904mBRT
					Make up NSD stand x 17stds and rack back same (NSD stand total: 28stds)
3:00	9:00	6:00	TRIP	4,990.0	Continue 8-1/2" KO assembly POOH to 1,394.5mBRT
					Open CMC when passing through BOP, not observe any drag: OK
9:00	13:45	4:45	RS	4,990.0	Conduct slip and cut at 1,394.5mBRT.
13:45	15:45	2:00	TRIP	4,990.0	Resume 8-1/2" KO assembly POOH to 371mBRT.
15:45	17:45	2:00	RR	4,990.0	Swap Iron roughneck from Aux. well due to cylinder leak.
17:45	22:30	4:45	TRIP	4,990.0	Resume 8-1/2" KO assembly to surface.
					Lay out 2jts x 6-3/4"drilling collar (Above 6-1/2" hydraulic jar).
					Lay out 6-1/2" hydraulic jar, UBHO sub, TeleScope675, Motor and bit.
					Motor bearing gap: 2mm (Before running: 1mm). 1mm worn.
					Motor stabilizer gauge: 8-1/4" (Before running: 8-1/4")
					String stabilizer gauge: 8-1/8" (Before running: 8-1/8")
					Jar mandrel length: 18-3/16" (Before running: 18-3/16")
					Offline job:
					Transfer sonicVISION675, arcVISION675, TeleScope675, microScope675 to middle pipe rack.
					Programme seismicVISION at forward pipe rack.
22:30	23:00	0:30	RS	4,990.0	Service HPS and TB block.
					Pick up Z-Reamer and Well commander to RTS.
23:00	24:00	1:00	OTHER	4,990.0	Make up Z-Reamer & Well commander surface test assembly.
					Wrap plastic tape onto the cutter block of Z-Reamer.
					Make up 8-1/2"bit X616 x Bit sub x XO x Z-Reamer x Float sub w/float x Well commander.
					[ROV]
					Recover ROV to surface to check the termination box due to the suspect of water ingress.

Time Breakdown (00:00 - 06:00 on 22-Nov) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs.	Code	Depth(mBRT)	Detail of Operation
0:00	1:00	1:00	OTHER	4,990.0	Continue make up Z-Reamer & Well commander surface test assembly.
					Make up 8-1/2"bit X616 x Bit sub x XO x Z-Reamer x Float sub w/float x Well commander.
1:00	3:00	2:00	OTHER	4,990.0	Conduct function test for Z-Reamer & Well commander
					Z-Reamer: Lowering Z-Reamer to 30mBRT, then apply pressure 400gpm x 4.1MPa, 500gpm x 5.7MPa
					Pick up Z-Reamer and confirm cutter block not opened and tape is not broken
					Well commander: Lowering Well commander to 30mBRT, break connection and drop "Open" 2.115"ball and gradually increase pressure by 50gpm
					Pressure hold 8MPa x 30second, then increase pressure to 9.5MPa. Confirm sleeve shift by pressure drop to 0.8MPa
					Apply pressure w/400gpm x 1.1MPa. Pick up string and confirm Well commander port "Close" position visually.
					Well commander: Lowering Well commander to 30mBRT, break connection and drop "Open" 2.115"ball and gradually increase pressure by 50gpm
					Pressure hold 7.5MPa x 30second, then increase pressure to 10.5MPa. Confirm sleeve shift by pressure drop to 0.8MPa
					Apply pressure w/400gpm x 4.0MPa. Pick up string and confirm Well commander port "Close" position visually.
3:00	6:00	3:00	TRIP	4,990.0	Make up and Run 8-1/2" x 12-1/4" LWD BHA assembly
					Measure the tool orientation for SeismicVision and MWD tool face
					MWD tool face is 215.6deg clockwise from SeismicVision tool face.
					Measure SonicScope stabilizer OD: 8-1/4" x 2ea

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
3	8.5	Smith	XR+N	117	RJ8198	3x20/32	4,867.0	4,990.0	123.0	25.31	0	100	134	174	239.80	1	1	WT	N	E	I	NO	TD

BHA Record @24:00

#10	8.5" KO	8-1/2" Bit x Motor (w/1.5° bent angle) x 8-1/8" Stab (SLB) x Float Sub w/ Float x 6-3/4" Pony NMDC x XO x Telescope 675 x 6-3/4" NMDC x 6-3/4" UBHO x 6-3/4" DC (3 stds) x 6-1/2" Jar x 6-3/4" DC (2 jts) x XO x 5.68" HWDP (3 stds) x XO x 5-1/2" DP S-140 (25 stds) x XO x 5-1/2" DP S-150 (49 stds) x XO x 6-5/8" DP Z-140 (22 stds) x 6-5/8" DP UD-165 x 6-5/8" DP UD-165 with NSD
#11	8.5"x12.25" LWD w/UR	8-1/2" Bit x MicroScope675 x arcVision675 x TeleScope675 x SonicScope675 x seismicVision675 x XO x 6-3/4"DC (1) x Z-Reamer x Float sub w/non-ported float x 7"Well commander x XO x 8-1/2"DC(1) x 10-1/4"Stab x 8-1/2"DC(3stds) x 8"Jar x 8-1/2"DC(2) x XO x 5.68"HWDP (3stds) x XO

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	5:00	Pit	1.37	56	23	33	11	9 13	2.5	0.6	9.9	0.2	138,000	0.50		16.5	0.25	13		21,400	0.44	2.69	2.00	20	112
KNPP	17:00	Pit	1.37	57	22	34	11	9 13	2.6	0.6	9.9	0.2	138,000	0.50		16.5	0.25	14		20,900	0.42	3.16	2.00	20	98

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			

Geologic Information @24:00

From	To	Lithology of cuttings

Shale Shaker @24:00 Centrifuge: hrs

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

Materials Stock on Board @24:00

Item	Unit	Stock	Used	Received
Fresh Water	m3	307.0	88.6	96.6
Potable Water	m3	340.0	6.0	0.0
Drill Water	m3	1,730.0	13.0	0.0
Fuel	m3	6,134.9	45.0	0.0
Lube, Oil	Ltrs	113,100	3,000.0	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

Boat Information @24:00

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

Personnel @24:00

CDEX	9
MQJ Crew	99
MQJ (SC, Other)	1
MWJ	16
Scientist	14
Telnite	2
Oceaneering	6
SLB Cementing	1
SLB WL	2
Geoservices	6
M-I SWACO	4
SLB Whipstock	2
SLB LWD	2
SLB DD	2
SLB Seismic	2
AFGlobal	2
Total	170

Mud volume@24:00

Mud Volume (m3)	
KNPP mud (1.33)	196
KNPP mud (1.37)	369
Slug mud	1
total	566

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

Item	Received	Used	Stock
Barite (Bulk)			654,500
Caustic Soda			1,200
Lime			200
Soda Ash	1,600		1,825
Caustic Potash	1,600		2,700
Tel-Polymer DX / L / H			3060/1200/0
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	3,500		4,750
KCl	10,000		13,000
NaCl	10,000		28,000
Fracseal			11,500
Stopseal			8,000
Bentonate(Bulk)			46,000

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

Hook Load	630
BHA	
Below HWDP	
below Jar	
HPS & Traveling block	600
Hook + RRT	-
Hook block	-

Jar Rotating time S/N: 1760-2111

Today	0.00	Total	70.50	hrs

Cutting skip @24:00

Empty	Full	Total
29	0	29

ROV @24:00

Status	On deck
Last Dive	11/21/18
Injection Skid	135 /135 gal

Heli Information @24:00

Flt. No.	Time Arrived	Time Departed	Passenger Are.	Passenger Dept.
1	15:04	15:14	7	7
2				
3				
4				

Safety (HSE) and other information

Incident	Last Incident	No. LTA
LTA		
HUNS cards	28	

Remarks

Marine Information @24:00

Heave (m)	0.6
Pitch (deg)	0.3
Roll (deg)	0.1
Vessel Heading (deg)	030
Riser Tension (kN)	9600.0
V.D. Load (ton)	15147
Max Draught (m)	9.0
Thruster (kW)	1080

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	c	16.5	20.7	1018.7	5.9	315	6.5	1.4	20	7.0	0.9	221	22.0

Today's Schedule: Cont RIH 8-1/2" x 12-1/4" LWD assembly. Clean BOP while RIH by Well commander.

Reported by : T. Yokoyama / N. Sakurai

Approved by : T. Saruhashi