

**Chikyu DAILY MORNING REPORT**

Mission No. : **CK18-04**

Exp. No. : **Exp 358**

Report No. : **37**

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	13/Nov/2018
Depth	@24:00	4,902.0	mBRT	Progress	0.0 m	Drilling/Coring/Underreaming	Hrs. : 0.00	hrs	Last BOP PT:	10/25/18		Next BOP PT:	11/15/18
Depth	@06:00	4,902.0	mBRT	LAST CASING	11-3/4"	x	2,922.60	mbsft	4,890.0	mBRT		Next BOP FT:	11/15/18
Present Operation @ 06:00 on 13-Nov												Next BOP FT:	11/15/18
Summary of Operation on 12-Nov												Circulate bottoms up. Perform FIT. Increase mud weight from 1.33sg to 1.37sg. POOH Tri-mill assembly. Rig repair.	
Time Breakdown (00:00 - 24:00 on 12-Nov)												Last Glycol 35gal Inj. 11/6/18	
												mBRT: meter below rotary table	
												mbsf: meter below sea floor	

From	To	Hrs.	Code	Depth(mBRT)	Detail of Operation
0:00	3:45	3:45	C&C	4,867.0	Circulate bottoms up at 600gpm on string and 400gpm on riser booster. 600gpm x 32.5MPa, riser booster 300gpm, 7rpm, 9-10kNm, Confirm even mud weight 1.33sg in and out. Concurrently make up NSD subs on top of 6-5/8" UD-165 drill pipe in auxiliary well. Rack back same. 2x NSD stand without pup joint in derrick. Change out shaker screens from API80 to API 50 size.
3:45	6:30	2:45	EVAL	4,867.0	Perform FIT at 11-3/4" whipstock window. Pick up and make up SES assembly. Install Lo-Torc valve and cement hose. Line up surface lines. Flush test lines (1.9bbl choke line, 2.5bbl cement hose). Pressure test lines to 1,000psi for 5mins - good test. Space out string. Close upper annular. Pressure up the well at 0.25bpm to 830psi. Stop pumping. Pressure stabilize at 670psi (1.427sg EMW) after 20mins. Bleed off pressure - 4.1bbl pumped, 3.5bbl returned. FIT result: 1.450sg EMW (830psi at surface with 1.33sg) Discuss forward plan with onshore support team. Decision make to cancel planned 2nd FIT and proceed to next operation. Concurrently flow check well on trip tank - well static.
6:30	7:00	0:30	OTHER	4,867.0	Function VBRs (partially close). Circulate riser through upper/lower choke/kill lines to clean out BOP cavities.
7:00	8:00	1:00	BOPE	4,867.0	Remove cement hose and Lo-Torc valve on SES. Lay out SES assembly.
8:00	8:30	0:30	EVAL	4,867.0	Drop carbide into the string for bottoms up volume confirmation.
8:30	19:00	10:30	C&C	4,867.0	Increasing mud weight from 1.33sg to 1.37sg. Circulate well at 600gpm on string and 350gpm on riser booster, 31-32MPa, 5rpm, 7-8kNm. Displace choke/kill lines from 1.33sg to 1.37sg mud. Add 1.33sg with 30ppb Fracseal from active tank #6 to active mud system at 5m <sup>3</sup> /hr. Concurrently make up 4x NSD subs on top of 6-5/8" UD-165 drill pipe in auxiliary well. Rack back same. Total 6x NSD stand without pup joint in derrick. Find Fracseal screen out due to shaker screen plugged by BAROLIFT. Remove bottom API50 screens and clean the same. Increase riser tension from 9,400kN to 9,600kN.
19:00	20:00	1:00	OTHER	4,867.0	Drop churchill drift. Chase the drift with 300gpm x 10.5MPa. Observe pressure increase to 12.4MPa and confirm the drift land.
20:00	22:30	2:30	TRIP	4,867.0	POOH Tri-Mill assembly to 3,980mBRT. Observe no losses/gains and no overpull while POOH. Find oil leakage from hydraulic line for BOP test stamp. Stop POOH Tri-Mill assembly for troubleshooting.
22:30	24:00	1:30	RR	4,867.0	Troubleshoot leakage from hydraulic line for BOP test stamp. Isolate HPU. Confirm hydraulic line for rig floor equipment and BOP test stamp. Isolate hydraulic line for BOP test stamp. Fill HPU hydraulic oil. [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, Leak
[Ditch Magnet Weight] 24hr ditch magnet weight: 10.3kg (total 87.7kg)					
[NSD] Find scratch at box thread shoulder of 4ea NSD subs. Repair the same. Conduct pressure test to 6,000psi x 15min, good test.					
[Offline activities] Clean up suction and discharge strainer of mud pump.					

From	To	Hrs.	Code	Depth(mBRT)	Detail of Operation
0:00	5:00	5:00	TRIP	4,867.0	POOH Tri-Mill assembly from 3,980mBRT to 1,850mBRT. Observe no losses/gains and no overpull while POOH.
5:00	5:15	0:15	BOPE	4,867.0	Function BSR and SSR. Displace Mud Gas Separator (MGS) from 1.33sg to 1.37sg mud.
5:15	6:00	0:45	TRIP	4,867.0	POOH Tri-Mill assembly from 1,850mBRT to 1,340mBRT.

Bit	Size (in)	MFR	Type	IADC Code	S/No.	Nozzles	Depth (mBRT)	Meter-age	Hrs.	WOB (knt)	rpm	Total Rev. (kern)	Inner	Outer	Dull Condition
10	6.25	SLB	Tri-mill			2x 20/32"	4,862.5	4,867.0	4.5	1.72	0	60	60	120	8.34

Bit Record @24:00	Whip stock	Anchor/Whip stock Assembly x 10-5/8" OD Trill mill x 8" OD Running Tool x 6-5/8" HWDP (1 jet, provided by SLB) x XO #1 x 8" UBHO Sub x XO #2 x Xo #3 x 8-1/2" Coring DC (4stds) x XO #4 x 5-6/8" HWDP (3 studs) x Churchill drift catcher sub x XO #5 x 5" DP S-140 (23 studs) x XO #6 x 5-1/2" DP S-160 (50 studs) x XO #7 x 6-5/8" DP 2-140 (22 studs) x 6-5/8" DP UD-165	Hook W/L (knt) @24:00hrs	3,980.0	mBRT
			Hook Load	2,720	
			BHA	950	
			Below HWDP	240	
			below Jar		
			HPS & Traveling block	600	
			Hook + RTR	-	
			Hook block	-	
			Jar Rotating time	S/N: -	
			Today	Total	- hrs
			Cutting skip @24:00	Empty	Full
				42	1
					43
			ROV @24:00		In water
			Status		11/12/18
			Last Dive		
			Injection Skid	135	135 gal

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	6rpm	Gel St (10 <sup>3</sup> /10 <sup>2</sup> )	API	Cake	pH	PI	Cl-	Sand	Oil	Solid	MBC	Temp In	Temp Out	K+	n	K	LGS	FIT 20/40 (mm)
KNPP	1:30	4,867	1	59	23	33	10	9	13	2.8	0.5	10.3	0.2	131,000	0	15	0	12	10	20,900	0.43	2.69	1.60	
KNPP	18:30	4,867	1.37	54	23	33	11	9	13	2.6	0.5	10.2	0.2	138,000	0.25	16.0	0.25	14	11	22,500	0.46	2.28	1.1	

Mud Pump	14-P-220	@ 4842.0 mBRT	5.00	gallon/stroke @97%	Personnel @24:00	Mud Materials on Board @24:00hrs	(unit: kg)
No.	Liner Size	SPM	GPM	Press. (MPa)	Ann. Vel. (m/min)	DC	DP
1	6"	60	300				
2	6"	80	400	33.0	64	50	
3	6"	60	300				

Geologic Information	From	To	Lithology of cuttings

Shale Shaker	Centrifuge: hrs
No.1	20
No.2	20, 50 x 2ea
No.3	20

Materials Stock on Board @24:00	Item	Unit	Stock	Used	Received
	Fresh Water	m3	247.0	96.1	103.1
	Potable Water	m3	300.0	9.0	0.0
	Drill Water	m3	1,818.0	14.0	0.0
	Fuel	m3	6,548.9	48.7	0.0
	Lube, Oil	Ltrs	120,100	1,400	0
	Helix 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
	#8 Meiji-maru	Chikyu	Departed
	Akatsuki	Chikyu	Arrived

Mud Volume @24:00	Item	Unit	Volume
	KNPP mud (1.33)	m3	361
	Old Mud/Contami	m3	359
	Slug mud	m3	9
	KNPP mud (1.37)	m3	191
	KNPP mud (1.35)	m3	55
	total	m3	975

Weather Information	Time	Weather	Temp. (degC)	Barometer	Wind	Wave	Current	Visibility
	24:00	r	18.0	21.8	1014.4	3.0	224	3.5
			Air	SW	(hPa)	Speed (m/s)	Dir. (deg)	Gust (m/s)
						Height (m)	Dir. (deg)	Period (s)
						Speed(knt)	Dir. (deg)	Visibility (km)
						1.2	100	7.4
						0.8	241	22.0

Today's Schedule: POOH Tri-Mill assembly to surface. RIH 8-1/2" Kick Off BHA.  
 Reported by : A. Suzuki / T. Nishiyama  
 Approved by : T. Saruhashi