

**Chikyū DAILY MORNING REPORT**

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

Report No.: **105**

Site Name	C0002	Hole Name	C0002R	Lat.	33° 18.0507'N	Long.	136° 38.2029'E	Seabed Depth :	1,967.5 mBRT	RT-MSL :	28.5 m	Report Date :	20/Jan/2019
Depth @	024:00	4,880.0 mBRT	2912.5 mbsf	Progress :	0.0 m	Drilling/Coning/Underreaming Hrs. :	0.00 hrs	Last BOP PT:	1/5/19	Next BOP PT:	1/26/19		
Depth @	06:00	4,880.0 mBRT	2912.5 mbsf	LAST CASING :	9.851" x 11.345" ESET x 2,847.60 mbsf	4.815.0 mBRT)		Last BOP FT:	1/12/19	Next BOP FT:	1/19/19		
Summary of Operation on 19-Jan : Cont.#2&3 FPIT survey. POOH FPIT. Run back off tool. Back off. Rig down wireline. Bottoms up. POOH to 4,765mBRT. Last Glycol 35gal Inj. 1/15/19													
Present Operation @ 06:00 on 20-Jan : Continue to POOH drill out assembly from 4,765mBRT to 2,185mBRT													
Time Breakdown (00:00 - 24:00 on 19-Jan )													

From	To	Hrs	Code	Depth(mBRT)	Detail of Operation
0:00	2:30	2:30	OTHER(N)	4,880.0	Continue to conduct FPIT survey. FPIT survey @ 4,816mBRT and 4,791mBRT (Wireline depth). Observe Jar activated while FPIT survey  FPIT survey result # Wireline depth Overpull Pipe stretch Turn Torque free (mBRT) (kN) (%) (times) (%) 2 4,816 1600.0 28 15 0.3 3 4,791 1500.0 100 14 94.5 On the way up to #3 survey depth, conduct short depth correlation by CCL
2:30	5:30	3:00	OTHER(N)	4,880.0	POOH FPIT tool to surface On the way up, conduct depth correlation 4,816mBRT to 4,220mBRT by CCL
5:30	14:15	8:45	OTHER(N)	4,880.0	Prepare for run back off tool Flush choke and kill line w/250gpm x 2.3MPa Explosive depth (Set CCL wireline depth) CCL 0 m Fill up clean mud for mud gas separator Top of explosive 1.25 m Perform maintenance IBOP, confirm function good, OK Center of explosive 2.25 m Derrick inspection, no observe any damage, OK Bottom of explosive 3.25 m
14:15	17:15	3:00	OTHER(N)	4,880.0	Run back off tool assembly to 4,793.75mBRT. Pick up tool and set zero reset with CCL at rotary. Torque up string with 48kNm by right hand turns when back off tool is at 100mBRT (18 right hand turns). Pick up to 3,000kN and slack off to 2,500kN with 48kNm right hand torque to transfer the torque to the lower section (Total 5times). Apply 30kNm of left hand torque when back off tool is at 4,660mBRT (9.5 left hand turns). Pick up to 3,000kN and slack off to 2,800kN with 30kNm left hand torque to transfer the torque to the lower section (Total 5times). Pick up to 3,100kN and keep string 350kN tension (neutral weight 2,750kN)
17:15	17:30	0:15	OTHER(N)	4,880.0	Back off connection between #2 and #3 6-3/4" drill collar at 4,793.75mBRT (CCL depth). Observe surface torque released from 30kNm (Left hand) to 5kNm (Right hand) once shot back off tool. After shot, confirm DP turn counter clock wise then continue apply rotate counter close wise (HPS speed set 2rpm) Observe Hook load decreased from 3,100kN to 2,900kN. Pick up back off tool to 4673.75mBRT. Confirm back off the connection by picking up string slowly from 4,915mBRT to 4,910mBRT w/normal drag (inside casing 200kN)
17:30	20:00	2:30	OTHER(N)	4,880.0	POOH back off tool to surface. Check the explosive fired.
20:00	20:15	0:15	OTHER(N)	4,880.0	Rig down wireline equipment. Rig down derrick sheave.
20:15	23:00	2:45	OTHER(N)	4,880.0	Circulate and bottoms up. Offline job: Continue to rig down wireline sheave at drill floor. Stage up pumping from 300-400-600-800gpm x 4.1-6.3-12.1-19.5MPa. Booster with 450gpm x 4.6MPa.
23:00	23:30	0:30	OTHER(N)	4,880.0	Spot 5m3 of Hi-vis mud to prevent debris from settling the top connection.
23:30	24:00	0:30	OTHER(N)	4,880.0	POOH drill out string to 4,765mBRT, on going. Booster with 450gpm x 4.5MPa.  Replace relay circuit on Franks electrical power unit and function test EPU and EPU w/power tong: Okay. Backload 67lbs of 9-5/8"ESET(purchased) binding by Econo wrap, anchor hanger, launcher and connection sleeves. Loading LWD tools (microscope, sonicScope, seismicVision, geoVision, Telescope), XC8000, Tri-mill and 9-5/8"bit.  No loss in 24hrs

Time Breakdown (00:00 - 06:00 on 20-Jan ) \*The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	Depth(mBRT)	Detail of Operation
0:00	6:00	6:00	TRIP	4,880.0	Continue to POOH drill out assembly from 4,765mBRT to 2,185mBRT Booster with 450gpm x 4.2MPa.

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.	RP	

No.	Size	DO	Description	Hook Wt. (knt) @24:00	mBRT
22	9.851"	DO	9.851" Junk Mill x Bit Sub w/ non ported float x XO#1 x 6-3/4" DC (4-1/2" IF 3stds) x 6-1/2" jar x 6-3/4" DC (4-1/2" IF 2) x XO#2 x Churchhill Drift Sub x 5" DP S-140 (12stds) x 5-1/2" DP S-140 (22 stds) x XO#3 x 5-1/2" DP S-150 (70 stds) x XO#4 x 6-5/8" DP Z140 (12stds) x 6-5/8" DP UD-165	4,765.0	

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Erpm	Gel St. (10 <sup>10</sup> )	API	Cake	pH	PI	Cl-	Sand	Oil	Solid	MBC	Temp In/Out	K+	n	K	LGS	FIT 20/40 (mm)		
KNPP	3:00	Pit	1.39	62	25	26	9	8	17	7.1	1.1	10.7	0.1	120,700	0.20	19.0	2.25	12	8	21,400	0.46	2.50	6.30	-	
KNPP	22:00		4.809	1.39	63	24	27	9	8	16	7.2	1.1	10.6	0.1	120,700	0.20	19.0	2.25	12	8	21,400	0.47	2.30	6.30	-

No.	Liner Size	SPM	GPM	Press. (MPa)	Ann. Vel. (m/min)
1	6"	80	400	19.5	6.500
2	6"	80	400		5.500
3	6"(Booster)	90	450		85

From	To	Lithology of cuttings

No.	Temp. (degC)	No.	Temp. (degC)	#1-#3 Centrifuge running time
No.1	30, 230	No.4	30, 230	
No.2	30, 230	No.5	30, 230	
No.3	30, 230	No.6	30, 230	

Item	Unit	Stock	Used	Received
Fresh Water	m3	327.8	82.6	96.2
Potable Water	m3	315.0	5.9	0.0
Drill Water	m3	1,135.3	13.4	0.0
Fuel	m3	4,159.2	44.7	0.0
Lube Oil	Ltrs	76,500	1,100.0	0.0
Helix Fuel	Ltrs	0.0	0.0	0.0
Cement "GWC"	ton	161.9	24.1	0.0
Cement "G"	ton	97.0	0.0	0.0

Boat Name	Status	Time @Chikyū
#8 Meiji-maru	Chikyū	Departed
Akatsuki	Chikyū	Arrived
Shincho-maru	Chikyū	3:00 18:50

Time	Weather	Temp. (degC)	Barometer (hPa)	Wind Speed (m/s)	Dir. (deg)	Gust (m/s)	Height (m)	Dir. (deg)	Period (s)	Speed(knt)	Dir. (deg)	Visibility (km)
24:00	bc	14.0	1020.6	11.2	252	13.1	0.8	270	4.2	0.8	193	22.0

Today's Schedule: Continue to POOH drill out assembly to surface. Run fishing assembly. BOP function test.