

Chikyu DAILY MORNING REPORT

Mission No. : **CK18-04**

Exp. No. : **Exp 358**

Report No. : **98**

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 : **13/Jan/2019**
 Depth : @24:00 **4,880.0** mBRT **2912.5** mbsf Progress : **0.0** m Drilling/Coring/Underreaming Hrs. : **2.45** 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 : **11-3/4"** x **2,922.50** mbsf (4,880.0 mBRT) Last BOP FT: **1/5/19** Next BOP FT: **1/12/19**
 Summary of Operation on **12-Jan** : Cont. POOH 8-1/2" x 12-1/4" LWD BHA to surface. MU cement stand and inner string. Rig up for run casing. Next Glycol 35gal Inj. **1/1/19**
 Present Operation @ 06:00 on **13-Jan** : Run 9-5/8" expandable casing at 80mBRT. mBRT: meter below rotary table
 Time Breakdown (00:00 - 24:00) on **12-Jan** : mbsf: meter below sea floor

From	To	Hrs	Code	Depth(mBRT)	Detail of Operation
0:00	2:15	2:15	TRIP	4,880.0	Continue to POOH 8-1/2" x 12-1/4" LWD BHA from 3,875mBRT to 2,930mBRT. Observe no losses/gains and no overpull while POOH. Meanwhile, maintenance MP#1 and #2
2:15	3:30	1:15	TRIP	4,880.0	BOP function test by blue pod from TP's panel. BOP conditions are the same as before.
3:30	14:00	10:30	TRIP	4,880.0	Resume POOH 8-1/2" x 12-1/4" LWD BHA from 2,930mBRT to surface. Observe no losses/gains and no overpull while POOH. Measure jar mandrel length: 20-3/4" (same as before running) Measure 10-5/8" stabilizer OD: in gauge Check HRR condition Observe cutter blocks not fully close. Check Max OD:9.29" Cutter blocks out from body: block #1 (15mm), #2 (15mm), #3 (15mm). While removing debris from cutter block, observe cutter blocks close automatically. Check OD 8.425"(Before run OD 8.25") Check cutter condition: back reaming cutters (slightly chipped, good condition), reaming cutters (No damage), Gauge cutters (No damage) Install dart and form ball on CMB w/SLB and Enventure
14:00	15:00	1:00	RS	4,880.0	Rig services
15:00	18:15	3:15	OTHER	4,880.0	MU cement stand at main well
18:15	20:00	1:45	OTHER	4,880.0	MU inner string bottom section at main well
20:00	21:15	1:15	OTHER	4,880.0	Conduct deactivate auto fill PU Launcher assembly from RTS and set to rotary table Connect inner string bottom section and Launcher assembly by chain tong Drop 2.25" brass ball then pump w/50gpm. Confirm brass ball landing by increasing pressure from 1.1MPa to 3.6MPa Confirm auto fill tripped by decreasing pressure from 3.6MPa to 1.0MPa. Confirm return. Lay out inner string bottom section and Launcher assembly. Confirm flapper closed by visually. OK
21:15	22:15	1:00	OTHER	4,880.0	MU top joint of inner string (XO x Debris chatcher x XO x 5"DP x 5"DP std x XO) at main well and rack back the same.
22:15	23:00	0:45	OTHER	4,880.0	Rig up for run Expandable casing
23:00	23:15	0:15	OTHER	4,880.0	Conduct elevator fit test Confirm elevator insert for 9-5/8" expandable casing fit properly.
23:15	24:00	0:45	OTHER(N)	4,880.0	Continue to Rig up for run Expandable casing Find Hydraulic power unit malfunction for casing tong. Switch to back up HPU. <Others> No losses in last 24 hours. Ditch magnet: 0kg (Total 23.5kg for 8" x 12.25" hole) Advisory status: (12:30-15:30) #1 Port side main generator maintenance, replace flow injection valve

Time Breakdown (00:00 - 06:00) on **13-Jan** * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs.	Code	Depth(mBRT)	Detail of Operation
0:00	1:00	1:00	CSG	4,880.0	Run 9-5/8" Expandable casing to 15mBRT
1:00	2:00	1:00	RR	4,880.0	Troubleshoot for elevator Change out Hydraulic elevator due to malfunction
2:00	4:45	2:45	RR	4,880.0	Troubleshoot for power tong HPU. Attempt to start up back up HPS, but unable to turn on. Find inside breaker tripping and reset it, but HPS does not work. Find protection circuit for reverse rotation was tripping due to making up left hand thread. Connect jumping cable to jump the protection circuit, and confirm HPS work correctly.
4:45	6:00	1:15	CSG	4,880.0	Resume running 9-5/8" Expandable casing from 15mBRT to 80mBRT (Run 8jts/20jts). Fill up 2.5m3 after run #6 casing joint.

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.	RP
9	8.5	Smith	FHK280DVP5	527X	RG1529	3 x 18	4,757.0	4,838.0	81.0	0.75	0	90	10	100	26.50	12.3	1	1	NO	A	1E	I	NO	HP

BHA 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
21	8-1/2"	Smith	FHK280DVP5	527X	RG1529	3 x 18	4,757.0	4,838.0	0.75	0	90	100	26.50	12.3

8-1/2" Bit (New, FHK280DVP5) x Bit Sub w/ Non-ported float valve x XO #1 x HRR8000 x XO #2 x arcVision675 x Telescope 675 x XO #3 x XO #4 x 10-5/8" Stabilizer x XO #5 with UR x 6-3/4" DC (4-1/2" IF/3 stds) x XO #6 x XO #7 x 8-1/2" DC (3stds) x 8" Jar x 8-1/2" DC (1std) x XO #8 x 5.68" HWDP (3 stds) x Churchill drift sub

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)
KNPP	3:00	Pit	1.39	66	24	30	10	10	19	7.4	1.1	9.5	0.1	120,700	0.20	19.0	2.25	11		20,300	0.45	2.70	6.40	-
KNPP	14:00	Pit	1.39	65	24	30	10	10	19	7.6	1.1	9.5	0.1	120,700	0.20	19.0	2.25	13		20,300	0.45	2.72	6.40	-

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

No.	Liner Size	SPM	GPM	Press. (MPa)	Ann. Vel. (m/min)
1	6"	10	50	4.3	6.75 DC 5.5 DP
2	6"	0	0		
3	6"(Booster)	95	475		5 4

Geologic Information @24:00

From	To	Lithology of cuttings

Shale Shaker / Centrifuge @24:00

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

Materials Stock on Board @24:00

Item	Unit	Stock	Used	Received
Fresh Water	m3	282.4	24.4	0.0
Potable Water	m3	256.6	5.4	0.0
Drill Water	m3	1,401.1	31.9	0.0
Fuel	m3	4,523.8	0.0	0.0
Lube, Oil	Ltrs	81,300	0.0	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
#8 Meiji-maru	Chikyu	Departed
Akatsuki	Shingu	3:00
Shincho-maru	Chikyu	Arrived

Weather Information

Time	Weather	Temp. (degC)	Barometer (hPa)	Wind (m/s)	Dir. (deg)	Gust (m/s)	Wave Height (m)	Dir. (deg)	Period (s)	Current Speed (knt)	Dir. (deg)	Visibility (km)
24:00	bc	12.0	1016.8	6.2	33	7.2	1.1	40	5.5	0.8	216	22.0

Today's Schedule: Continue to running expandable CSG. Install false rotary. Run inner string. Run expandable casing.

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