

**Chikyū DAILY MORNING REPORT**

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

Report No.: **19**

Site Name: **C0002** Hole Name: **C0002P** Lat: **33° 18.0507'N** Long: **136° 38.2029'E** Seabed Depth: **1,967.5** mBRT RT-MSL: **28.5** m Report Date: **26/Oct/2018**  
 Depth: @24:00 **345.0** mBRT mbsf Progress: **0.0** m Drilling/Coning/Underreaming Hrs.: **0.00** hrs Last BOP FT: **10/25/2018** Next BOP FT: **11/15/2018**  
 Depth: @06:00 **790.0** mBRT mbsf LAST CASING: **11-3/4" x 2,922.50** mbsf **4,890.0** mBRT Last BOP FT: **10/25/2018** Next BOP FT: **11/15/2018**  
 Summary of Operation on **25-Oct**: **Complete to install HPU, RIH WBRRT with 13-3/8" wear bushing. Pressure test BOP, POOH WBRRT to 361mBRT.** Last Glycol 35gal Inj. **24** October 2018  
 Present Operation @ 06:00 on **26-Oct**: **Cont. POOH WBRRT assembly to surface. Make up Side entry sub assembly. Make up and run 12-1/4" Drill out BHA.** mBRT: meter below rotary table  
 mbsf: meter below sea floor

From	To	Hrs	Code	Depth(mBRT)	Detail of Operation
0:00	1:45	1:45	BOPE		Continue to install HPU on traveling block, check all function. OK
1:45	11:15	9:30	BOPE		Make up and run WBRRT with 13-3/8" wear bushing to 2307.0mBRT. Weight below WBRRT: 120kN. While WBRRT assembly passing inside BOP, no observe any obstruction. Passing through properly. OK Take weight 1964.06mBRT (wear bushing landing depth by index measurement, -0.2m from Mean Sea Level (0.9m)). High tide mark at 140m from Drill floor Slack off 70kN by decrease CMC pressure for set wear bushing to 13-3/8" CSG hanger Take overpull 23kN by increase CMC pressure to confirm wear bushing "Lock" to 13-3/8" CSG hanger Slack off 90kN by decrease CMC pressure for BOP pressure test
11:15	17:15	6:00	BOPE		Conduct BOP Pressure test and Function test with Blue POD. Observe Booster function valve leaking, when change POD selection from Yellow to Blue POD. (Pressure test) #1 Close middle pipe ram, UOC, UIC, LIC, UIK, UOK. Pressure test via kill line, 300psi x 5min and 7500psi x 5min - OK. --Before pressure test, conduct function test (Lower and Upper inner/outer kill, function OK) --Before pressure test, flush kill line w/seawater 1.5times line volume by GMT pump 5bpm / 200psi (Pressure test) #2 Close middle pipe ram (same), UOC, UIC, LOC, UIK, UOK. Pressure test via kill line, 300psi x 5min and 7500psi x 5min - OK. (Pressure test) #3 Close lower annular, UIC, LOC, LIC, UIK, UOK. Pressure test via kill line, 300psi x 5min and 7000psi x 5min - OK. Unable to block/open lower annular after the pressure test. Switch close/open/block several time and lower annular open. (Pressure test) #4 Close upper annular, IGB, UOC, LOC, LIC, UIK, UOK. Pressure test via kill line, 300psi x 5min and 7000psi x 5min - OK. Flow to open UIC did not stop after valve status changed to open. Flow was kept during pressure test #4 to keep UIC open. Block UIC after test #4. (Pressure test) #5 Close upper annular (same), OGB, UOC, UIC, LOC, LIC, UIK, UOK. Pressure test via kill line, 300psi x 5min and 7000psi x 5min - OK. Change test line from kill line to choke line. Flush choke line with 160bbl seawater at 5bpm from cement unit. (Pressure test) #6 Close upper Variable Bore Ram (VBR), OGB, IGB, UIK, UOK, LIK. Pressure test via kill line, 300psi x 5min and 7500psi x 5min - OK. (Pressure test) #7 Close upper VBR (same), OGB, IGB, UOC, UOK, LOK. Pressure test via kill line, 300psi x 5min and 7500psi x 5min - OK.
17:15	18:00	0:45	BOPE		Conduct BOP function test with Blue POD for remaining functions. Troubleshoot lower annular function. Flow counter did not stop once function Open/Close/Block from Blue POD. Estimated unexpected solenoid valve position cause to problem. Lower annular is operation only from Yellow POD.
18:00	24:00	6:00	BOPE		POOH WBRRT assembly. Slack off 23kN on WBRRT. Rotate 1 right hand turn with 23kN slack off weight on WBRRT. Pull WBRRT from wellhead without overpull. POOH WBRRT assembly from 2,309mBRT (setting sub depth) to 361mBRT. WBRRT at rig floor. No damage.  [Other activities] --CCB function test [BOP failure] --Conduct full function test with seawater. Function good - Blue communication CH.B --Function test BOP acoustic control system. - Blue lower annular UOK/Close, Leak --Function test ST-lock from moon pool - good test. - Blue UIC/Open, Leak --Function test from bridge - no communication. Investigation is ongoing. - Blue Booster/Close, Leak --Function test BOP pressure/temperature logger by ROV - no communication between data logger and BOP control unit. Investigation is ongoing.

Time Breakdown (00:00 - 06:00 on **26-Oct**) \* The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	Depth(mBRT)	Detail of Operation
0:00	1:00	1:00	BOPE		Continue to POOH WBRRT assembly (No. 13-3/8" WB)
1:00	2:00	1:00	TRIP		Make up Side Entry Sub assembly and layout on RTS
2:00	2:30	0:30	RS		Service for grease up HPS, T-block, Dolly
2:30	6:00	3:30	TRIP		Make up and run 12-1/4" drill out slick assembly to 790mBRT Used Bit condition(Exp.380): Inner0, Outer1, Dull CT, Loc T, G, B, X, G, I, OD WT, RP, TD Install nozzle 13/32 x 9ea and confirm 12-1/4" Bit "In Gauge".OK  [BOP failure] - Blue communication CH.B - Blue lower annular UOK/Close, Leak - Blue UIC/Open, Leak - Blue Booster/Close, Leak

Bit No.	Size (in)	MFR	Type	IADC Code	S/No.	Nozzles	Depth (mBRT)	Meter-age	Hrs.	WOB (kN)	rpm	Total Rev. (kern)	Inner	Outer	Dull	Loc	B	G	O.D.	RP

1	13-3/8" WB	Jetting Sub x XO x 5-1/2-inchDP S-140 (9stds) x XO x WBRRT x XO x 5-1/2-inchDP x S-150 6m pup x 5-1/2-inchDP S-150 (5stds) x XO x 6-5/8-inchDP Z-140 (22stds)	Hook Wt. (kN) @24:00hrs	345.0	mBRT
			Hook Load	720	
			BHA	120	
			Below HWDP		
			below Jar		
			HPS & Traveling block	600	
			Hook + BRT		
			Hook block		
			Jar Rotating time S/N:		
			Today		hrs
			Cutting skip @24:00		
			Empty	Full	Total
			40	0	40
			ROV @24:00		
			Status	On deck	
			Last Dive	10/25/2018	
			Injection Skid	135 /135	gal

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	6rpm	Gel St. (10 <sup>10</sup> , 10 <sup>1</sup> )	API	Cake	pH	PI	Cl-	Sand	Oil	Solid	MBC	Temp In	Temp Out	K+	n	K	LGS	FIT 20/40 (mm)	
KNPP	18:00	Pit	1.33	60	22	30	8	7	11	2.7	0.5	9.9	1.2	145,000	Tr	-	14.0	-	23	-	23,100	0.49	1.98	-	

No.	Liner Size	SPM	GPM	Press. (MPa)	Ann. Vel. (m/min)	DC	DP
1	6"						
2	6"	0	0	0.0	0	0	0
3	6"						

Geologic Information		Lithology of cuttings	
From	To		

Shale Shaker		Centrifuge - hrs	
No.	Off	No.	Off
No.1	No.1 off	No.1	No.1 off
No.2	No.2 off	No.2	No.2 off
No.3	No.3 off	No.3	No.3 off

Materials Stock on Board @24:00				
Item	Unit	Stock	Used	Received
Fresh Water	m3	325.0	75.7	98.7
Potable Water	m3	235.0	6.5	0.0
Drill Water	m3	1,973.0	19.0	0.0
Fuel	m3	7,396.5	45.2	0.0
Lube, Oil	Ltrs	130,600	0	0
Heil 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		Time @Chikyū	
Boat Name	Status	Departed	Arrived
#8 Meiji-maru	Chikyū		
Akatsuki	Chikyū		

Weather Information		Temp. (degC)		Barometer		Wind		Wave		Current		Visibility	
Time	Weather	Air	SW	(hPa)	(hPa)	Dir. (deg)	Gust (m/s)	Height (m)	Dir. (deg)	Period (s)	Speed(knt)	Dir. (deg)	(km)
24:00	bc	20.5	24.0	1020.0	6.8	84	7.7	1.8	80	7.1	0.7	220	22.0

Today's Schedule: Continue to Run 12-1/4" drill out slick assembly. Drill out plug back cement inside 13-3/8" CSG. Tag top of liner. Circulate and Bottoms up.

Reported by: A. Suzuki / N. Sakurai  
 Approved by: T. Saruhashi