

Site Name C0002 Hole Name C0002Q Lat. 33° 18.6507'N Long. 136° 38.2029'E Seabed Depth: 1,967.5 mBRT RT-MSL: 28.5 m Report Date: 23/Nov/2018
 Depth @06:00 4,990.0 mBRT 3022.5 mBRT Progress 0.0 m Drilling/Coning/Underreaming Hrs. 0.00 hrs Last BOP FT: 11/22/18
 Summary of Operation on 22-Nov : LAST CASING 134" ID 4,922.48 mBRT 4,890.0 mBRT Last BOP FT: 11/22/18
 Present Operation @ 06:00 on 23-Nov : Surface test. MUR/RIH 8-1/2" x 12-1/4" LWD w/Z-Reamer to 3,800mBRT. Function Well Commander. BOP cleaning. BOP function test. Last Cylcot Signal Inj. 11/13/18
 Time Breakdown (00:00 - 24:00 on 22-Nov) : Conduct LWD shallow hole test at 3,800mBRT. Continue RIH 8-1/2" x 12-1/4" LWD BHA to 4,845.5mBRT. mBRT: meter below rotary table
 mbsf: meter below sea floor

From	To	Hrs	Code	Description	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 "Open" position visually Well commander: Lowering Well commander to 30mBRT, break connection and drop "Close" 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	9:30	6:30	TRIP	4,990.0	Make up and Run 8-1/2" x 12-1/4" LWD w/Z-Reamer BHA to 512mBRT Measure the tool orientation for Seismic/Vision and MWD tool face MWD tool face is 215.60deg counter clockwise from Seismic/Vision tool face. Measure SonicScope stabilizer OD: 8-1/4" x 2ea Measure jar mandrel length: 20-3/4"
9:30	10:00	0:30	TRIP	4,990.0	Conduct shallow hole test for LWD #1 Receive all signals properly, except resistivity data due to resistivity tool restricted performing inside Riser
10:00	11:45	1:45	TRIP	4,990.0	Continue RIH 8-1/2" x 12-1/4" LWD w/Z-Reamer BHA to 1417mBRT
11:45	12:30	0:45	TRIP	4,990.0	Conduct shallow hole test for LWD #2 Pump with 500gpm x 11.5MPa and rotate with 30rpm x 0.5 - 2.5kNm Confirm resistivity data acquired from LWD.
12:30	14:30	2:00	TRIP	4,990.0	Resume RIH 8-1/2" x 12-1/4" LWD w/Z-Reamer BHA to 2,022mBRT.
14:30	15:00	0:30	TRIP	4,990.0	Step pumping with 100-200-300-400-500gpm to activate seismic/VISION. Record pressure: 100 - 200 - 300 - 400 - 500gpm x 2.1 - 4.0 - 7.0 - 11.5 - 14.5MPa.
15:00	15:45	0:45	OTHER	4,990.0	Open Well Commander side port and isolate the flow toward bit/LWD. Break connection and drop 2.115" ball, and chase pumping with 100gpm x 2.0MPa. Build up standpipe pressure to 9.0MPa, and stop pumping and wait a minute. Increase pressure to 12.5MPa, and increase pressure to 13.5MPa gradually. Finally, observe sleeve shifts open side by dropping standpipe pressure. Confirm side port opened by pumping with 400gpm x 4.0MPa. Break connection and drop 2.063" ball, and chase pumping 10min. with 100gpm x 2.2MPa. Increase pump rate to 400gpm x 4.1MPa to confirm flow toward bit/LWD isolated.
15:45	16:30	0:45	BOPE	4,990.0	Clean around BOP and wellhead from 2,000mBRT to 2,012mBRT (Bit depth). Pump with 400gpm x 4.0MPa and rotate with 5rpm x 1.0kNm.
16:30	17:15	0:45	OTHER(N)	4,990.0	Attempt to close Well Commander side port. Break connection and drop 2.115" ball, and chase pumping with 100gpm x 2.0MPa. Pressure build up to 10.7MPa, and stop pumping and hold pressure. Increase pressure to 13.1MPa and observe pressure dropped. Start pumping to confirm pressure back to the normal (400gpm x 11.5MPa), but pressure is still 4.0MPa. Drop another 2.115" ball again, and chase pumping with 100gpm x 2.0MPa. Build up pressure to 8.0MPa, and stop pump and hold pressure. Then, increase pressure to 12.5MPa. Observe pressure dropped at 12.5MPa. Fail to close Well Commander side port by confirming pump with 400gpm. Decide to resume RIH for BOP function test and SLB engineer to contact the onshore during BOP function test.
17:15	18:00	0:45	TRIP	4,990.0	Resume RIH 8-1/2" x 12-1/4" LWD w/Z-Reamer BHA to 2,272mBRT.
18:00	19:15	1:15	BOPE	4,990.0	Weekly BOP function test by Blue POD from Drillers house. Change Blue POD from Yellow POD at Drillers house. Find Upper Annular "Close" leak (13L/min), Upper Pipe Ram "Close" leak (12.7L/min). And find delay PS signal on display of Lower Inner Kill "Close". Find Middle Pipe Ram "Open" recovered from last function test. Back to Yellow POD from Blue POD.
19:15	20:00	0:45	OTHER	4,990.0	Close Well Commander side port. Drop 2.115" ball and chase pumping with 50gpm x 1.3MPa by one mud pump. Build up pressure to 7.0MPa, and step increasing pressure by 1.0MPa and wait a minute every step. Observe pressure dropped at 12.0MPa and 1.0MPa trapped after pressure dropped. Bleed off pressure and confirm side ports closed by pumping with 400gpm x 10.5MPa. Increase pressure to 500gpm x 15.5MPa and confirm LWD functioned.
20:00	23:30	3:30	TRIP	4,990.0	Resume RIH 8-1/2" x 12-1/4" LWD w/Z-Reamer BHA to 3,800mBRT. Offline job: Prepare Air gun for check shot and secure the safety pin of shackle by tape.
23:30	24:00	0:30	TRIP	4,990.0	Conduct LWD shallow hole test at 3,800mBRT. CMC on and Booster on with 450gpm x 4.0MPa. Record free rotating torque: 60 - 80 - 100 - 120rpm x 8.5 - 9.9 - 10.3 - 10.9kNm. Pick up weight w/100rpm: 2.385kN. Slack off weight w/100rpm: 2.360kN. Shallow hole test by pumping with 550gpm x 18.2-19.3MPa and rotating with 5rpm x 3.5-5.0kNm, on going. (12:26-14:24) Fuel Oil bunkering: 299kl. from Akatsuki.

Time Breakdown (00:00 - 06:00 on 23-Nov) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	Description	Detail of Operation
0:00	2:00	2:00	OTHER	4,990.0	Continue conduct LWD shallow hole test at 3,800mBRT. While testing, CMC on and Booster on with 450gpm x 4.0MPa. Perform telemetry adjustment w/bbps #1 test w/550gpm x 19MPa(MP#1 275spm, MP#3 275spm), strong pump harmonics affect receiving signal, NG #2 test w/550gpm x 19MPa(MP#1 250spm, MP#3 300spm), strong pump harmonics affect receiving signal, NG #3 test w/550gpm x 19MPa(MP#1 200spm, MP#3 350spm), strong pump harmonics affect receiving signal, NG #4 test w/550gpm x 19MPa(MP#1 225spm, MP#3 325spm), strong pump harmonics affect receiving signal, NG #5 test w/550gpm x 19MPa(MP#1 175spm, MP#3 375spm), confirm receiving good signal w/bbps, OK Receive Seismic/Vision data, takes 40min to surface, OK
2:00	4:30	2:30	TRIP	4,990.0	Continue RIH 8-1/2" x 12-1/4" LWD BHA from 3,800mBRT to 4,499.5mBRT.
4:30	5:00	0:30	TRIP	4,990.0	Troubleshoot DCIS due to malfunction DCIS parameter trend not on the DCIS screen properly, Reboot DCIS, OK
5:00	6:00	1:00	TRIP	4,990.0	Continue RIH 8-1/2" x 12-1/4" LWD BHA from 4,499.5mBRT to 4,845.5mBRT. Install Geograph. Take SCR Meanwhile: DCIS parameter trend not on the DCIS screen properly, Reboot DCIS, Troubleshoot ongoing

Bit No.	Size (in)	MFR	Type	IADC Code	S/No.	Nozzles	Depth (mBRT)	Meter- age	Hrs.	WOB (kN)	rpm	Total Rev. (kN)	Inner	Outer	Dull Condition
From : To															
4	9.5	Smith	Neelabde X916	M33	QF3233	3x1312, 3x1312									

Item	Unit	Stock	Used	Received
#11	8.5"x12.25" 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/inon-ported float x 7" Well commander x XO x LWD w/UR 8-1/2" DC(1) x 10-1/4" Stab x 8-1/2" DC(2) x 8" Jar x 8-1/2" DC(2) x XO x 5.88" HWBP (3) x XO			

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	VY	Spm	Gel Sol (10 ³ , 10 ²)	API	Clay	pH	PI	Cl-	Sand	Oil	Solid	MBC	Temp In	Temp Out	K+	n	K	LGS	FT 20/40 (mm) 6 min / 5 min		
KNPP	4:00	Pit	1.37	55	23	32	11	9	13	2.5	0.8	9.9	0.2	138.00	0.50	16.5	0.25	16	22.00	0.41	3.41	1.90	20	112		
KNPP	17:00		2.00	1.37	57	24	32	11	9	13	2.5	0.8	9.9	0.2	138.00	0.50	16.5	0.25	11	7	21.40	0.42	3.16	2.00	20	98

Mud Pump	Rate	Stroke	Personnel	Mud Materials on Board									
44F-220	5.00	gallon/stroke @ 97%											
No.	Liner Size	SPM	GPM	Press. (MPa)	Ann. Vel. (m/min)	DC	DP	CDEX	9	Item	Received	Used	Stock
1	6"	50	250					MOJ Crew	99	Barite (Bulk)			654.500
2	8" (Booster)	50	250	15.5	53	42		MOJ (SC, Other)	1	Caustic Soda			1,200
3	6"	50	250					MWJ	16	Lime			200
								Scientist	14	Soda Ash			1,825
										Caustic Potash			2,700
										Tel-Polymer DX / L / H	400/0/0	2660/1200/0	
										XCD-Polymer			1,050
										SLB Cementing			4,500
										Clean Lube W			5,000
										Tel Clean W			6,400
										M-I SWACO			5,300
										SLB Whipstock			368
										Tell DD			3,200
										SLB DD			1,250
										SLB Seismic			2,275
										AFGlobal			1,020 / 210 / 510
										Ten Cal M / F / FF			684
										Telrite GXL			9,200
										Treat-HS			130
										Mud Seal P			500 / 500 / 500
										Tel Plug C / M / F			500 / 260
										Tel Stop P / G			106
										Driscoll D			0
										Tel Flow P			2,310
										Poro Seal			4,750
										Steel Seal 50			11,000
										KCl			28,000
										NaCl			4,500
										Fracsael			7,000
										Stopseal			8,000
										Bentonate(Bulk)			46,000

Geologic Information	From	To	Lithology of cuttings

Shale Shaker	No.1	No.2	No.3	No.4	No.5	No.6	No.7	No.8	No.9	No.10	Centrifuge: hrs
	30	50	2ea	20	Dummy x 2	No.2	off				
	20	50	x 2ea	No.5	30	50	x 2ea	No.1	off		
	30	Dummy x 2	No.6	20	50	x 2ea	No.3	off			

Materials Stock on Board	Item	Unit	Stock	Used	Received
	Fresh Water	m3	320.0	82.5	95.5
	Potable Water	m3	335.0	5.0	0.0
	Drill Water	m3	1,712.0	18.0	0.0
	Fuel	m3	6,387.2	45.5	297.8
	Lube Oil	Ltrs	113,100	0.0	0.0
	Hull Fuel	Ltrs	0.0	0.0	0.0
	Cement "OWC"	ton	186.0	0.0	0.0
	Cement "G"	ton	97.0	0.0	0.0

Mud Volume	Item	Volume (m3)
	KNPP mud (1.33)	140
	KNPP mud (1.37)	445
	Slug mud	1
	total	586

Boat Name	Status	Time @ Chikyū
R8 Meji-manu	Chikyū	Departed
Akatsuki	Chikyū	Arrived

Weather Information	Time	Weather	Temp. (degC)	Barometer	Wind	Wave	Current	Visibility				
	24:00	bc	14.0	20.9	1018.1	14.9	323	11.0	1.5	0.9	242	22.0

Today's Schedule: Conduct LWD shallow hole test at 4,800mBRT. Enlarge with 8-1/2" x 12-1/4" BHA to 4,890mBRT. Start drill down with 8-1/2" x 12-1/4" BHA from 4,890mBRT.
 Reported by: T. Yokoyama / N. Sakurai
 Approved by: T. Sanihashi