

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: 10/Dec/2018
 Depth: @24:00 5,230.0 mBRT 3262.5 mbsf Progress: 0.0 hrs Drilling/Coning/Undersreaming Hrs.: 0.00 hrs Last BOP PT: 12/29/2018 Next BOP PT: 12/29/2018
 Depth: @06:00 5,230.0 mBRT 3262.5 mbsf LAST CASING 11-3/4" x 2,922.50 mbsf(4,890.0 mBRT) Last BOP FT: 12/8/2018 Next BOP FT: 12/15/2018
 Summary of Operation on 9-Dec : POOH to surface. Rig services. Dump LWD data. Prepare next BHA. Z-Reamer surface test. RIH 8-1/2"x 12-1/4"LWD BHA. To 1,437mBRT Last Glycol 35gal Inj. 12/4/2018
 Present Operation @ 06:00 on 10-Dec : Cont. RIH to 3,604.5mBRT. mBRT: meter below rotary table mbsf: meter below sea floor

From	To	Hrs	Code	Depth(mBRT)	Detail of Operation
0:00	5:30	5:30	TRIP	5,230.0	Continue to POOH 8-1/2" x 12-1/4" hole opening assembly from 207mBRT to surface. Measure jar mandrel length: 20-3/4". Lay down 8" Jar. Check Z-Reamer. Body: 8.25" <= Full gauge. Cutter block area: 8.29" (212.5mm) <= -0.02" Undergauge. Conduct function test for Z-Reamer. Apply tapes onto cutter block. Lower Z-Reamer below the rotary and pump w/500gpm x 5.1MPa. Pick up Z-Reamer above the rotary and confirm cutter block opened by breaking tapes. Check 8-1/4" stabilizer: 8.19in (208mm) <= -0.06in Check 8-1/2" bit. Gauge cutter: 8.36" (212.5mm) <= -1/8" Undergauge Gauge section is "In Gauge". (04:45-05:15) Shut down Geoservices monitor to exchange AC/DC converter. Offline job: #3 Mud pump fluid end inspection.
5:30	6:00	0:30	OTHER	5,230.0	Transfer arcVision and TeleScope to forward pipe deck to dump memory data.
6:00	7:30	1:30	RS	5,230.0	Rig services during DCIS troubleshooting for SCADA Network and DW mis-match. Offline job: Attempt to dump Telescope memory data, but fail to retrieve by loosening the extender thread. Make a decision to use backup Telescope and arcVISION, and start to install battery for arcVision.
7:30	11:30	4:00	OTHER	5,230.0	Pick up and replace damaged 8-1/2"DC and 5.68"HWDP stand. Pick up 8-1/2"DC stand and replace 11 of 8-1/2"DC (S/N: 02-001-0020 to S/N: 37KA108-19) Pick up 5.68"HWDP stand and replace 31 of 5.68"HWDP (S/N: TSN08 to S/N: 0050, S/N: TSN08 to S/N: 0019, S/N: TSN05 to S/N: 0015) (09:00-09:30) Unable to open Hydraulic elevator door due to sticky. Offline job: Continue to prepare arcVISION. Prepare next BHA (Bit change from X616 to XS616, Sketch Telescope (New), 8" Jar, 10-5/8" Stabilizer (Full gauge)) Pump booster line w/450gpm to clean mud. Change bottom screen size. (2 shakers: API 170, 2 shakers: API 230, 2 shakers: API 270).
11:30	13:45	2:15	OTHER	5,230.0	Surface test of Z-Reamer. MU bit x XO x Z-Reamer x Float sub x XO x 6-5/8" DP UD165 1stand. Install new non-ported float. Apply tapes onto cutter block and bottom nozzle which become open after activated. Lower Z-Reamer below the rotary and pump 500gpm x 5.7MPa. Pick up Z-Reamer above the rotary and check if tapes are not broken.; Confirm tapes are not broken.
13:45	20:45	7:00	TRIP	5,230.0	Make up and RIH 8-1/2" x 12-1/4" LWD BHA to 493mBRT. Pick up back up arcVision675 and TeleScope675. Attempt to pull extender pin on bottom side of arcVision675, but not success. Measure resistivity on arcVision and confirm extender pin not affect on arcVision operations. Check 8-1/4", 8-1/8" and 105/8" stabilizer OD. Confirm all stabilizers full gauge. Pick up back up 8" jar. Jar mandrel length: 52.3cm
20:45	21:15	0:30	OTHER	5,230.0	Conduct shallow hole test for LWD at 493mBRT. Receive all signals properly w/450gpm x 8.3MPa (#1 & #2 Mud pump).
21:15	24:00	2:45	TRIP	5,230.0	Reume RIH 8-1/2" x 12-1/4" LWD BHA from 493mBRT to 1,437mBRT. Fill up every 15stds. RIH @ joints of 5" DP S-140 single by single from 1,362mBRT to 1,437mBRT. Ditch magnet: 0.0kg (Total 166.8kg)

Time Breakdown (00:00 - 06:00 on 10-Dec) * 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	5,230.0	Continue to RIH 8-1/2" x 12-1/4" hole opening assembly from 1,437mBRT to 3,604.5mBRT. Fill up every 15stds. Flow check at 1,926mBRT. Confirm well static. Pump booster line w/450gpm to clean mud.

Bit No.	Size (in)	MFR	Type	IADC Code	S/No.	Nozzles	Depth (mBRT)	Meter-age	Hrs.	WOB (kN)	rpm	Total Rev. (m/hr)	ROP (m/hr)	Inner	Outer	Dull	B	G	O.D.	RP			
RR4b	8.5	Smith	keblade X614	M323	QF3233	3x1202, 3x1302	4,990.0 - 5,230.0	240.0	94.06	100	145	110	160	852.3	2.6	1	5	BT	G	X	2	WT	BHA
RR4b	8.5 x 12.25	Drilstar	Z-Reamer850	NA	52763	1x 702, 2x 802	4,984.00 - 5,201.00	307.0	153.49	75	110	90	160	1,153.8	2.0	1	1	LC	I	X	1	WT	BHA
5	8.5	Smith	keblade XS61	M323	QF3237	3x1202, 3x1302																	
5	8.5 x 12.25	Drilstar	Z-Reamer850	NA	52764	1x 702, 2x 802																	

BHA Record @24:00	Hook Wt. (knt) @24:00	1,437.0	mBRT
#13 8.5"x12.25" 8-1/2" Bit sub w/non-ported x XO x arcVision675 x TeleScope675 x XO x 8-1/4" Stabilizer x 6-3/4"DC (1) x Z-Reamer x Float sub w/non-ported float x 6-3/4"DC (1) x XO x 36-3/4"Coning DC (3) x XO x 8-1/2"DC (3) x XO x 5.68"HWDP (3stds) x XO	Hook Load		1,340
#14 8.5"x12.25" 8-1/2" Bit sub w/non-ported x XO x arcVision675 x TeleScope675 x XO x 8-1/4" Stabilizer x 6-3/4"DC (1) x Z-Reamer x Float sub w/non-ported float x 6-3/4"DC (1) x 8-1/8" Stabilizer x 6-3/4"DC (1) x XO x 8-1/2"DC (3) x 10-5/8" Stabilizer x 8-1/2"DC (3) x XO x 5.68"HWDP (3stds) x XO	BHA		330
	Below HWDP		243
	Below Jar		243
	HPFS & Travelling block		620
	Hook + BRT		-
	Jar Rotating time 24S/N:	1762-1638	
	Today	0.00	0.00
	Cutting skip @24:00		
	Empty	Full	Total
	43	2	45

Mud Properties @24:00	Time	Depth (mBRT)	MW	Vis	PV	VV	6rpm	Gal St. (10"/10')	API	Cake	pH	PI	Cl-	Sand	Oil	Solid	MB	Temp (in / out)	K+	n	K	LGS	FIT 20/40 (mm) 5min / 5min	
KNPP	3:30	Pit	1.37	70	25	35	12	12	20	3.9	0.8	10.2	0.1	128,000	0.10	17.0	1.50	8	5	21,400	0.39	4.44	3.40	
KNPP	17:00	Pit	1.37	68	25	34	12	11	19	3.9	0.7	10.3	0.1	128,000	0.10	17.0	1.50	8	5	21,400	0.42	3.61	3.40	
KNPP	20:00	Pit	1.37	67	25	34	11	20	3.9	0.7	10.3	0.1	128,000	0.10	16.5	1.50	8	5	21,400	0.42	3.61	2.40		

Mud Pump: 14-P-220	5.00	gallon/stroke @97%			
No.	Liner Size	SPM	GPM	Press. (MPa)	Ann. Vel. (m/min)
1	6"	0	0		4.8
2	6"	0	0		32
3	6" (Booster)	90	450		40

Geologic Information @24:00	From	To	Lithology of cuttings

Shale Shaker @24:00	Centrifuge @0 hrs
No.1	20, 170
No.2	20, 270
No.3	30, 230
No.4	30, 270
No.5	30, 230
No.6	30, 170

Materials Stock on Board @24:00	Item	Unit	Stock	Used	Received
	Fresh Water	m3	290.6	95.3	49.5
	Potable Water	m3	270.7	3.2	51.0
	Drill Water	m3	1,623.0	5.0	0.0
	Fuel	m3	6,142.2	47.2	0.0
	Lube Oil	Ltrs	98,600	600.0	0.0
	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

Personnel @24:00	Item	Received	Used	Stock
	CDEX	10		
	MQJ Crew	104		562,000
	MQJ (Other)	0		1,200
	MWJ	15		200
	Scientist	14		1,025
	Caustic Soda		450	650
	Tel-Polymer DX / L / H		800/200/0	1260/900/0
	XCD-Polymer			1,375
	Lignite NC			4,500
	Clean Lube W			0
	Tel Clean W			6,400
	Astex-S			0
	Deforner 30C			368
	Tell DD			3,200
	Bi-Carbonate			1,250
	Citric Acid			2,275
	Tan Cal M / F / FF			1,020 / 210 / 510
	Telnite GXL			684
	Treat-HS			9,200
	Mud Seal P			130
	Tel Plug C / M / F			500 / 500 / 500
	Tel Plug P / G			500 / 260

Mud volumes @24:00	Mud Volume (m3)	106
	KNPP mud (1.37)	507
	Slugg mud	2
	KNP mud (1.35)	55

Boat Information @24:00	Boat Name	Status	Time @Chikyu
	#8 Meiji-maru	NE Smile	Departed
	Akatsuki	Chikyu	Arrived
	Shincho-maru	Shingu	03:00

Weather Information	Time	Weather	Temp. (degC)	Barometer	Wind	Wave	Current	Visibility		
	24:00	bc	10.0 / 19.9	1028.9	9.6 / 354	12.1	1.2 / 10	4.5	0.5 / 247	22.0

Today's Schedule: Continue to RIH 8-1/2" x 12-1/4" LWD BHA to 4,845mBRT. Wash / Ream down. Take survey. Pump up to 4,894mBRT. Activate Z-Reamer. Drill 8-1/2"x12-1/4" LWD hole.

Reported by: T. Nishiyama / T. Yokoyama
 Approved by: T. Saruhashi