

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: 11/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 FT: 1/5/19 Next BOP FT: 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 10-Jan: Run BHA to 4,774mBRT. Conduct LWD test & activate E-caliper. Troubleshoot pipe handler. Cont run to 4,807mBRT Last Glycol 35gal lqj. 1/1/19
 Present Operation @ 06:00 on 11-Jan: Ream down at 4,838mBRT. mBRT: meter below rotary table mbsf: meter below sea floor

From	To	Hrs	Code	Depth(mBRT)	Detail of Operation
0:00	1:00	1:00	RS	4,880.0	Continue to service rig.
1:00	5:45	4:45	TRIP	4,880.0	Make up and RIH 8-1/2" x 12-1/4" LWD BHA to 528mBRT. Conduct surface test of HRR8000. Apply tapes onto cutter block. Lower HRR8000 below rotary table and pump 600gpm x 8.8MPa. Pick up HRR8000 above rotary table and check if tapes are broken. Confirm tapes are broken. Check 10-5/8" stabilizer OD: In gauge. Make up 8-1/2" jar and check jar mandrel length: 20-3/4"
5:45	6:30	0:45	OTHER	4,880.0	Perform LWD shallow hole test at 528mBRT. Pump w/o Sync mode by 400gpm x 7.6MPa(OK), 450gpm x 9.8MPa(OK)
6:30	14:45	8:15	TRIP	4,880.0	Resume RIH 8-1/2" x 12-1/4" LWD BHA from 528mBRT to 3,877mBRT. Fill up every 15 stands.
14:45	15:15	0:30	OTHER	4,880.0	Perform LWD shallow hole test at 3,877mBRT. Pump w/o Sync mode by 450gpm x 14MPa(NG), 500gpm x 17MPa(OK)
15:15	16:15	3:00	TRIP	4,880.0	Resume RIH 8-1/2" x 12-1/4" LWD BHA from 3,877mBRT to 4,757mBRT. Fill up every 15 stands w/o screw in
18:15	18:45	0:30	W&R	4,880.0	Run 8-1/2" x 12-1/4" LWD BHA from 4,757mBRT to 4,774mBRT Open CMC and BHA pass 11-3/4" liner top w/pump and rotation, observe no excessive drag (WOB:0-10kN) Take parameter at 4,757mBRT: HK: 2,700kN(down)/2,900kN(up) From 4,757mBRT to 4,762mBRT, run w/o pump and no rotation Observe no excessive drag while through the top window Observe bit hang up w/50kN at bottom of whipstock(4,762mBRT), Unable to pass: NG From 4,759mBRT to 4,762mBRT, run w/o pump and rotation(10rpm x 11kNm) Observe bit hang up w/50kN and torque increase to 26kNm at 4,762mBRT. Unable to pass: NG From 4,759mBRT to 4,764mBRT, run w/o pump and rotation(30rpm x 13.5kNm) Observe no excessive drag(WOB:15kN) and torque increase to 21kNm at 4,762mBRT, pass: OK From 4,764mBRT to 4,774mBRT, run w/o pump and no rotation. Observe no excessive drag, pass smoothly: OK
18:45	19:00	0:15	OTHER	4,880.0	Take SCR
19:00	19:15	0:15	OTHER	4,880.0	Conduct downlink for activate E-caliper at 4,774mBRT MP:(High flow) 520gpm x 19.3MPa, (Low flow) 450gpm x 15.5MPa. Confirm E-caliper activated: OK
19:15	19:30	0:15	W&R	4,880.0	Wash down by 8-1/2" x 12-1/4" LWD BHA From 4,774mBRT to 4,785mBRT, WOB: 0kN, MP:520gpm x 19.2MPa, no rotation Observe no excessive drag. Confirm 10-5/8" stabilizer pass top and bottom window smoothly, OK
19:30	22:00	2:30	OTHER(N)	4,880.0	Troubleshoot for pipe handler Unable to break DP and saver sub by pipe handler. Operate from DCIS(NG) and manual(NG) Pick up string from 4,785mBRT to 4,777mBRT w/o pump and no rotation. Observe no excessive drag. Confirm 10-5/8" stabilizer pass top and bottom window smoothly, OK Attempt to break DP and saver sub by HPS motor and back up tong, confirm break connection: OK Continue pick up string from 4,777mBRT to 4,748mBRT w/o pump and no rotation. Observe no excessive drag, BHA pass window smoothly: OK Changeout pipe handler assembly and cleaning saver sub body by buffing. Investigate and suspect pipe handler dies slipped due to mud.
22:00	24:00	2:00	W&R	4,880.0	Wash and Ream down 8-1/2" x 12-1/4" LWD BHA from 4,752mBRT to 4,807mBRT From 4,752mBRT to 4,767mBRT, run w/o pump and rotation(30rpm x 13.5kNm) Observe no excessive drag(WOB:<30kN) and torque increase to 28kNm at 4,762mBRT, pass: OK From 4,767mBRT to 4,773mBRT, run w/o pump and no rotation. Observe no excessive drag. Confirm 10-5/8" stabilizer pass top and bottom window smoothly, OK From 4,773mBRT to 4,799mBRT, run w/pump(520gpm x 19.2MPa) and no rotation. Observe hang up w/50kN at 4,799mBRT From 4,796mBRT to 4,802mBRT, run w/pump(520gpm x 19.2MPa) and rotation(10-30rpm x 11-13kNm). Pass 4,799mBRT w/30rpm:OK. Hang up w/40-70kN at 4,802mBRT:NG From 4,799mBRT to 4,807mBRT, run w/pump(520gpm x 19.2MPa) and rotation(10, 20, 30, 40, 50, 60, 80, 100rpm x 13-22kNm). Reciprocate 15times w/different parameters, hang up w/40-90kN, unable to pass at 4,802mBRT:NG Tag 50kN at 4,800.5mBRT w/o rotation and pump(650gpm x 29MPa) then start rotation 20rpm x 9-22kNm, pass 4,802mBRT: OK Stall at 4,807mBRT w/50rpm x >31kNm. Work pipe ongoing

Time Breakdown (00:00 - 06:00 on 11-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	W&R	4,880.0	Continue to Wash and Ream down 8-1/2" x 12-1/4" LWD BHA from 4,807mBRT to 4,823mBRT. From 4,807mBRT to 4,823mBRT mBRT Work pipe at 4,807mBRT. Reciprocate for 3 times and pass through 4,808mBRT. Take weight 100kN at 4,813mBRT. Pass through with reciprocating. Take survey at 4,810mBRT and 4,823mBRT. Pick up to 4,797mBRT and ream down again from 4,979mBRT to 4,823mBRT. Tag 50kN at 4,800mBRT w/o rotation and pump(650gpm x 28.4MPa) then start rotation 90rpm x 15-23kNm, pass 4,800mBRT: OK Take weight 50kN at 4,805mBRT with 30rpm and pass through with 90rpm x 16-20kNm. From 4,823mBRT to 4,838mBRT. Take weight at 4,837 - 4,838mBRT. Attempt to pass through with several parameter, but unable to pass through 4,828mBRT. Take survey at 4,837mBRT for 3times. Incination was dropping trend (1.12 - 1.72deg).

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.
9	8.5	Smith	FWK200VPS	527X	RG1529	3 x 18	4,757.0	4,807.0	50.0	0.75	0	90	10	100	2.66	30.7								

BHA Record @24:00		Survey data (Depth: Telescope sensor depth)	
21	8-1/2" LWD 8-1/2" Bit (New, FWK2800VPS) x Bit Sub w/ Non-ported float valve x XO #1 x HRR8000 x XO #2 x arc/Vision#75 x Telescope #75 x XO #3 x XO #4 x 10-5/8" Stabilizer x XO #5 with UR x 6-3/4" DC (4-1/2" ID 30 std) x XO #6 x XO #7 x 8-1/2" DC (30std) x 8" Jar x 8-1/2" DC (18std) x XO #8 x 5.68" HWDP (3 std) x Churchill drift sub	Depth (mBRT)	Azi (deg)
		4,794.24	140.07
		4,808.33	105.02

Mud Properties @24:00		Survey data (Depth: Telescope sensor depth)	
Mud Type	Time	Depth (mBRT)	Azi (deg)
KNPP	3:00	4,824.41	115.03
KNPP	19:30	4,823.24	110.59
		4,823.78	112.42

Mud Materials on Board @24:00hrs (unit: kg)	
Item	Received
Barite (Bulk)	5,000
Caulic Soda	1,200
Lime	200
Soda Ash	775
Caustic Potash	2,025
Tel-Polymer DX / L / H	0/100/0
XCD-Polymer	925
Lignite NC	4,500
Clean Lube W	0
Tel Clean W	6,400
Astex-S	600
Dialformer 30C	48
Tel DD	3,200
Bi-Carbonate	1,000
Citric Acid	2,275
Tan Cal M / F / FF	1,020 / 210 / 510
Telrite GXL	684
Treat-HS	9,200
Mud Seal P	130
Tel Plug C / M / F	500 / 500 / 500
Tel Stop P / G	500 / 260
Barofilt	1,965
Driscol D	0
Tel Flow P	0
Poro Seal	0
Steel Seal 50 (lbs)	1,000
KCl	9,000
NaCl	22,000
Fracsael (lbs)	8,000
Stopseal (lbs)	0
Bentonate(Bulk)	46,000

Personnel @24:00		Mud Volume (m3)	
No.	Line Size	Item	Stock
1	6"	KNPP mud (1.39)	323
2	6"	KNPP (Fracsael)	215
3	6"	KNPP (BAROFLUT)	50
		KNP mud (1.25)	50
		KNP mud (1.13)	105
		STOPLOSS(1.37)	54
		Slug mud	8
		total	805

Geologic Information @24:00		Mud volume @24:00	
From	To	Item	Stock
		KNPP mud (1.39)	323
		KNPP (Fracsael)	215
		KNPP (BAROFLUT)	50
		KNP mud (1.25)	50
		KNP mud (1.13)	105
		STOPLOSS(1.37)	54
		Slug mud	8
		total	805

Shale Shaker / Centrifuge @24:00		Mud volume @24:00	
No.1	30, 170	Item	Stock
No.2	30, 170	KNPP mud (1.39)	323
No.3	30, 170	KNPP (Fracsael)	215
		KNPP (BAROFLUT)	50
		KNP mud (1.25)	50
		KNP mud (1.13)	105
		STOPLOSS(1.37)	54
		Slug mud	8
		total	805

Materials Stock on Board @24:00		Mud volume @24:00	
Item	Unit	Item	Stock
Fresh Water	m3	KNPP mud (1.39)	323
Potable Water	m3	KNPP (Fracsael)	215
Drill Water	m3	KNPP (BAROFLUT)	50
Fuel	m3	KNP mud (1.25)	50
Lube, Oil	Ltrs	KNP mud (1.13)	105
Heli Fuel	Ltrs	STOPLOSS(1.37)	54
Cement "GWC"	ton	Slug mud	8
Cement "G"	ton	total	805

Boat Information @24:00		Mud volume @24:00	
Boat Name	Status	Item	Stock
#B Meiji-maru	Chikyū	KNPP mud (1.39)	323
Akatsuki	Chikyū	KNPP (Fracsael)	215
Shincho-maru	Shingū	KNPP (BAROFLUT)	50
		KNP mud (1.25)	50
		KNP mud (1.13)	105
		STOPLOSS(1.37)	54
		Slug mud	8
		total	805

Weather Information		Mud volume @24:00	
Time	Weather	Item	Stock
24:00	bc	KNPP mud (1.39)	323
		KNPP (Fracsael)	215
		KNPP (BAROFLUT)	50
		KNP mud (1.25)	50
		KNP mud (1.13)	105
		STOPLOSS(1.37)	54
		Slug mud	8
		total	805

Today's Schedule: Continue to ream down to 4,851mBRT.
 Reported by: N.Sakurai / T.Nishiyama
 Approved by: T.Saruhashi