

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: **10/Nov/2018**
 Depth: @24:00 **4,902.0** mBRT mbsf Progress: **0.0** m Drilling/Coring/Underreaming Hrs.: **0.00** hrs Last BOP PT: **10/25/18** Next BOP PT: **11/15/18**
 Depth: @06:00 **4,902.0** mBRT mbsf LAST CASING: **11-3/4"** x **2,922.60** mbsf **4,990.0** mBRT Last BOP FT: **11/1/18** Next BOP FT: **11/8/18**
 Summary of Operation on **9-Nov**: RIH whipstock assembly to 4,838mBRT. Tag Bridge plug. Orientate whipstock face with Gyro. Set Whipstock. Mill window last Glycol 35gal Inj. **11/8/18**
 Present Operation @ 06:00 on **10-Nov**: Milling casing window at 4,862mBRT. mBRT: meter below rotary table
 Time Breakdown (00:00 - 24:00 on **9-Nov**) mbsf: meter below sea floor

From	To	Hrs	Code	Depth(mBRT)	Detail of Operation
0:00	4:00	4:00	OTHER(N)		RIH whipstock assembly #2 from 3,845mBRT to 4,838mBRT. Fill up string every 15 stands with 1.33sg mud without sealant and soltsex. Control running speed at 10m/min. Observe no losses/Gains and no drags while running.
4:00	5:15	1:15	OTHER(N)		Lower whipstock and tag top of Bridge Plug Open CMC. Record pick up weight and slack off weight; PU: 3,280kN. SO: 3,050kN. Lower whipstock assembly and tag top of EZSV at 4,869mBRT with 20kN down. Confirm tide table - good correlation. Mark #1 on drill pipe at rotary table. Pick up 5m from Mark #1 and paint Mark #2 on dell pipe at rotary table with last tag. Reciprocate string 3 times for 20m.
5:15	6:45	1:30	OTHER(N)		Rig up wireline equipment and sheave. Start changing in vessel heading from 60deg to 250deg.
6:45	8:45	2:00	OTHER(N)		RIH Gyro assembly. Reciprocate string 3 times for 20m again after changing vessel heading. Fix vessel heading at 250deg. Perform checkshot survey at 3,084mB Gyro tool face Land on UBHO at 4,836mBRT (WL-depth) UBHO round length: 0.67m Offset from UBHO to whipstock face distance on round : 0.095m
8:45	9:45	1:00	OTHER(N)		Conduct orientation survey. #1: 253.02deg, #2: 253.70deg, #3: 253.45deg. Rotate drill pipe 200deg clockwise. Reciprocate string 3 round trips for 20m.
9:45	10:00	0:15	OTHER(N)		Conduct orientation survey. #1: 88.18deg, #2: 85.26deg, #3: 86.45deg.
10:00	13:15	3:15	OTHER(N)		POOH gyro assembly from 4,836mBRT to surface (WL-depth). Lay out gyro tool on deck - good indication of correct landing based on sheared pin.
13:15	15:00	1:45	OTHER		Set whipstock. Lower whipstock assembly and tag top of EZSV at 4,868.5mBRT (Tide 50cm lower than previous tagging on EZSV). Mark #1 on drill pipe at rotary table. Pick up 5m from Mark #1 and paint Mark #2 on drill pipe at rotary table. Pressurize inside drill pipe to 23.7MPa and keep pressure for 15min. Apply slack off and over pull weight 150kN repeatedly 4times. While picking up, observe pressure decreasing. Pick up another 3m and confirm bolt and control line hose break. Lower string and tag at 4855.1mBRT (Mill depth, Tide:1.17m). Top whipstock: 4,855.1mBRT Bottom whipstock: 4,864.0mBRT
15:00	16:00	1:00	LOG		Rig down wireline equipment and sheave.
16:00	17:45	1:45	OTHER	4,855.1	Prepare for side tracking. Remove drain hose from HPS. Tag on whipstock at 4,855.1mBRT with 150gpm 30rpm to eliminate control line hose. Pump pressure decrease from 15.9MPa to 4.2MPa. Take SCR.
17:45	24:00	6:15	OTHER	4,855.8	Mill the window with whipstock from 4855.1mBRT (Tide: 1.17m) to 4855.8mBRT (Tide:0.22m), Progress: 1.65m WOB:0-60kN, 600 - 800gpm x 15 - 17MPa, 30-80rpm x 0 - 30kN. Boost riser 250-400gpm, Average ROP 0.3m/hr. Pump 5m ³ of BAROLIFT sweep every 30min. No losses/gains. Maximum gas reading: 0.6% [BOP failure] - Blue communication CH.B - Blue lower annular UOK/Close, Leak - Blue UIC/Open, Leak - Blue Booster/Close, Leak - Yellow Upper pipe ram/Open, Leak - Yellow LK/Open, Close malfunction - Yellow OGB, Open, Leak 24hr ditch magnet weight: 1.4 kg (total 6.12kg) [Offline activities] Continue investigation on diverter malfunction.

Time Breakdown (00:00 - 06:00 on **10-Nov**) * The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	Depth(mBRT)	Detail of Operation
0:00	6:00	6:00	OTHER	4,862.0	Mill the window with whipstock from 4855.8mBRT (Tide: 0.22m) to 4,862.0mBRT (Tide: 1.59m), Progress: 4.83m WOB: 30-80kN, 800gpm x 24.0MPa, 50-80rpm x 0 - 30kN. Boost riser 400gpm, Average ROP 1.0m/hr. Observe string stall out with 35kNm at 4,862mBRT. Release torque and pick up string. Work string at 4,862mBRT. Pump 5m ³ of BAROLIFT sweep every 30min. No losses/gains. Maximum gas reading: 0.2% Observe increasing trend of return metal swarf at shaker. Observe cement at shaker at 4,858mBRT (Lag depth). Proportions of returns as of 6am: cement 70%, metal swarf 20%, formation 10%. Ditch Magnet Weight 1:00 3.0kg 2:00 3.0kg 3:00 2.5kg 4:00 5.0kg 5:00 7.5kg 6:00 5.5kg

Bit	Size (in)	MFR	Type	IADC Code	S/No.	Nozzles	Depth (mBRT)	Meter-age	Hrs.	WOB (kN)	rpm	Total Rev. (krev)	Inner	Outer	Dull	Loc.	B	G	O.D.	RP
No.	10.625	SLB	Tri-mill			2x 20/32"	4,855.1 : 4,855.8	0.7		0 : 60	30 : 80	20.95								

BHA Record @24:00
 #1 Whipstock
 Anchor/Whipstock Assembly x 10-5/8" OD Tilt mill x 8" OD Running Tool x 6-5/8" HWDP (1 jt, provided by SLB) x XO #1 x 8" UBHO Sub x XO #2 x XO #3 x 8-1/2" Coring DC (4stds) x XO #4 x 5-6/8" HWDP (3 stds) x Churchill drift catcher sub x XO #5 x 5" DP S-140 (23 stds) x XO #6 x 5-1/2" DP S-150 (50 stds) x XO #7 x 6-5/8" DP Z-140 (22 stds) x 6-5/8" DP UD-165

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	6rpm	Get St. (10", 10')	API	Cake	pH	PI	Cl-	Sand	Oil	Solid	MBC	Temp In	Temp Out	K+	n	K	LGS	FIT 20/40 (mm)
KNPP	6:00	Pit	1.33	54	20	28	9	9	11	3.0	0.5	9.9	0.3	138.000	0.25	15.0	0.25	24	21,400	80.00	0.41	1.3		
KNPP	15:30	4,848	1.33	57	19	31	9	9	12	3.0	0.5	9.9	0.2	138.000	0.3	15.0	0.25	25	22,400	80.00	0.40	1.3		

Mud Pump	14-P-220	5.00	gallon/stroke @97%		
No.	Liner Size	SPM	GPM	Press. (MPa)	Ann. Vel. (m/min)
1	6"	80	400		DC DP
2	6"(Booster)	80	400	24.0	DP
3	6"	80	400		85 67

Personnel	@24:00	Mud Materials on Board	@24:00hrs	(unit: kg)	
CDEX	11	Item	Received	Used	Stock
MOJ Crew	98	Bartite (Bulk)		2,600	727,400
MOJ (SC, Other)	2	Caustic Soda			1,200
MWJ	15	Lime			200
Scientist	4	Soda Ash			500
Telinite	2	Caustic Potash			1,425
Oceanering	6	Tel-Polymer DX / L / H			3820/640/0
SLB Cementing	2	XCD-Polymer			1,050
SLB WL	4	Lignite NC			4,500
Geoservices	6	Clean Lube W			6,000
BHG	0	Tel Clean W			6,400
M-I SWACO	4	Astex-S			5,300
Gyrodatta	1	Deformer 30C			400
SLB Whipstock	2	Tell DD			3,200
SLB LWD	2	Bi-Carbonate			1,250
SLB DD	2	Citric Acid			2,275
SLB Seismic	2	Tan Cal M / F / FF			1,020 / 210 / 510
AFGlobal	2	Telinite GXL			684
Drillchem	1	Treat-HS			9,200
Total	166	Mud Seal P			130
		Tel Plug C / M / F			500 / 500 / 500
		Tel Stop P / G			500 / 260
		Balolift		30	270
		Disical D			0
		Tel Flow P			0
		Poro Seal			2,310
		Steel Seal 50			2,250
		KCI			7,000
		NaCl			6,000
		Fraceal			4,000
		Stopseal			8,000
		Bentonate(Bulk)			46,000

Shale Shaker	Centrifuge	Hrs			
No.1	20, 80 x 2ea	No.4	20, 80 x 2ea	No.1	off
No.2	20, 80 x 2ea	No.5	20, 80 x 2ea	No.2	off
No.3	20, 80 x 2ea	No.6	20, 80 x 2ea	No.3	off

Materials Stock on Board	@24:00			
Item	Unit	Stock	Used	Received
Fresh Water	m3	220.5	92.5	0.0
Potable Water	m3	325.0	4.0	102.0
Drill Water	m3	1,860.0	15.0	0.0
Fuel	m3	6,695.7	48.0	0.0
Lube, Oil	Ltrs	122,200	500	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

Boat Information	@24:00	
Boat Name	Status	Time @Chikyu
#8 Meiji-maru	Chikyu	Departed
Akatsuki	Chikyu	Arrived
		6am 10th Nov

Weather Information							
Time	Weather	Temp. (degC)	Barometer	Wind	Wave	Current	Visibility
24:00	bc	21.0 : 22.0	1018.6	1.8	318	2.2	1.4 : 90
							6.4 : 226
							22.0

Today's Schedule: Mill casing window. Circulate hole clean. Perform FIT. Increase mud weight.