

Site Name: C0024 Hole Name: C0024A Lat: 33° 02' 02.6379"N Long: 136° 47' 23.9464"E Seabed Depth: 3,870.0 mBRT RT-MSL: 28.5 m Report Date: 8/Mar/2019  
 Depth: @24:00 4,391.0 mBRT 521.0 mbsf Progress: 275.5 m Drilling/Coring/Underreaming Hrs.: 11.93 hrs Last BOP FT: Next BOP FT:  
 Depth: @06:00 4,475.0 mBRT 605.0 mbsf LAST CASING: mbsf(mBRT) Last BOP FT: Next BOP FT:  
 Summary of Operation on 7-Mar : Cont. to drill down 8-1/2" LWD hole at 4.391mBRT. Take survey. Perform NSD connection.  
 Present Operation @ 06:00 on 8-Mar : Cont. to drill down 8-1/2" LWD hole at 4.475mBRT.  
 Time Breakdown (00:00 - 24:00 on 7-Mar )

From	To	Hrs	Code	Depth(mBRT)	Detail of Operation
0:00	1:15	1:15	DRL	4,115.5	Continue to drill 8-1/2" LWD hole from 4.091mBRT to 4.115.5mBRT WOB: 0-18kN, HPS:110rpm x 0-10kNm, SPP:450gpm x 8.5MPa, Set Auto driller:21m/hr, Pump sweep 5m3 x 2times per stand(SPP:7MPa then back to normal) DGR rotate smoothly. Adjust Vessel position for RGR rotation smoothly
1:15	1:45	0:30	OTHER	4,115.5	Take survey #6
1:45	2:45	1:00	DRL	4,131.5	Continue to drill 8-1/2" LWD hole from 4.115.5mBRT to 4.131.5mBRT WOB: 0-18kN, HPS:110rpm x 0-9kNm, SPP:450gpm x 8.4MPa, Set Auto driller:21m/hr, Pump sweep 5m3 x 2times per stand(SPP:7MPa then back to normal)
2:45	3:30	0:45	OTHER(N)	4,131.5	Troubleshoot for DGR While drilling, find brush coming out from DGR. Check DGR and find 2 bolts sheared. Remove the same and conduct function test without two bolts.
3:30	4:45	1:15	DRL	4,155.0	Continue to drill 8-1/2" LWD hole from 4.131.5mBRT to 4.155mBRT WOB: 0-20kN, HPS:110rpm x 0-14kNm, SPP:450gpm x 8.7MPa, Set Auto driller:21m/hr, Pump sweep 5m3 x 2times per stand(SPP:7MPa then back to normal)
4:45	5:30	0:45	OTHER	4,155.0	Take survey #7
5:30	7:45	2:15	DRL	4,193.0	Continue to drill 8-1/2" LWD hole from 4.155mBRT to 4.193mBRT WOB: 0-20kN, HPS:110rpm x 0-15kNm, SPP:450gpm x 8.4MPa, Set Auto driller:21m/hr, Pump sweep 5m3 x 2times per stand(SPP:7MPa then back to normal)
7:45	8:30	0:45	OTHER	4,193.0	Take survey #8. Vessel move toward to opposite way from DP/RGR contacted position and stop vessel 10m away from well center.
8:30	10:30	2:00	DRL	4,231.0	Continue to drill 8-1/2" LWD hole from 4.193mBRT to 4.231mBRT WOB: 0-50kN, HPS:110rpm x 0-15kNm, SPP:500gpm x 10.2MPa, Set Auto driller:21m/hr, Pump sweep 5m3 x 2times per stand(SPP:9MPa then back to normal) Vessel move 1.5m/10min toward to DP/RGR contacted direction for RGR rotation smoothly.
10:30	11:00	0:30	OTHER	4,231.0	Take survey #9. Vessel move toward to opposite way from DP/RGR contacted position and stop vessel 10m away from well center.
11:00	13:15	2:15	DRL	4,263.0	Continue to drill 8-1/2" LWD hole from 4.231mBRT to 4.263mBRT WOB: 0-49kN, HPS:110rpm x 0-11.5kNm, SPP:500gpm x 10.4MPa, Set Auto driller:21m/hr, Pump sweep 5m3 x 2times per stand(SPP:9MPa then back to normal) Vessel move 1.5m/10min toward to DP/RGR contacted direction for RGR rotation smoothly.
13:15	13:45	0:30	OTHER	4,263.0	Take survey #10. Vessel move toward to opposite way from DP/RGR contacted position and stop vessel 10m away from well center.
13:45	16:15	2:30	DRL	4,263.0	Continue to drill 8-1/2" LWD hole from 4.231mBRT to 4.263mBRT WOB: 0-44kN, HPS:110rpm x 0-15kNm, SPP:500gpm x 10.7MPa, Set Auto driller:21m/hr, Pump sweep 5m3 x 2times per stand(SPP:9MPa then back to normal) Vessel move 1.5m/10min toward to DP/RGR contacted direction for RGR rotation smoothly.
16:15	16:45	0:30	OTHER	4,263.0	Take survey #11. Vessel move toward to opposite way from DP/RGR contacted position and stop vessel 10m away from well center.
16:45	19:00	2:15	DRL	4,342.0	Continue to drill 8-1/2" LWD hole from 4.263mBRT to 4.342mBRT WOB: 0-52kN, HPS:110rpm x 0-15kNm, SPP:500gpm x 10.5MPa, Set Auto driller:21m/hr, Pump sweep 5m3 x 2times per stand(SPP:9MPa then back to normal) Vessel move 1.5m/10min toward to DP/RGR contacted direction for RGR rotation smoothly.
19:00	20:00	1:00	OTHER	4,342.0	Take survey #12. Vessel move toward to opposite way from DP/RGR contacted position and stop vessel 10m away from well center.
20:00	22:15	2:15	DRL	4,381.5	Continue to drill 8-1/2" LWD hole from 4.342mBRT to 4.381.5mBRT WOB: 0-40kN, HPS:110rpm x 0-12kNm, SPP:500gpm x 10.9MPa, Set Auto driller:21m/hr, Pump sweep 5m3 x 2times per stand(SPP:9MPa then back to normal) Vessel move 1.5m/10min toward to DP/RGR contacted direction for RGR rotation smoothly.
22:15	22:45	0:30	OTHER	4,381.5	Take survey #13 Confirm function good IR#B, make up 3m joint w/NSD stand at Aux well
22:45	23:15	0:30	OTHER	4,381.5	Perform NSD connection. Vessel move toward to opposite way from DP/RGR contacted position and stop vessel 10m away from well center.
23:15	24:00	0:45	DRL	4,391.0	Continue to drill 8-1/2" LWD hole from 4.342mBRT to 4.391mBRT WOB: 0-30kN, HPS:110rpm x 0-12kNm, SPP:500gpm x 10.5MPa, Set Auto driller:21m/hr, Pump sweep 5m3 x 2times per stand(SPP:9MPa then back to normal) Vessel move 1.5m/10min toward to DP/RGR contacted direction for RGR rotation smoothly.

Survey data (Depth: Telescope sensor depth)

No	Depth (mBRT)	Inc (deg)	Azi (deg)
#6	4,098.91	4.75	239.78
#7	4,134.47	4.68	237.87
#8	4,175.94	5.03	243.39
#9	4,213.66	4.82	248.95
#10	4,246.12	4.93	251.76
#11	4,284.84	4.65	259.91
#12	4,324.77	4.72	259.22
#13	4,363.63	5.00	260.37

<Iron roughneck>  
Conduct function test IR#B. Confirm able to make up pipes w/proper torque. OK

<DGR&RGR>  
Magnus effect affect to RGR sometimes difficult to rotate due to high side force.  
DGR retaining bolt x 2ea sheared and rotating not properly. Continue to apply water on DGR  
Continue to grease up RGR sufficiently while every connection

Time Breakdown (00:00 - 06:00 on 8-Mar) \* The data on 00:00 - 06:00 is unofficial.

From	To	Hrs	Code	Depth(mBRT)	Detail of Operation
0:00	1:45	1:45	DRL	4,421.0	Continue to drill 8-1/2" LWD hole from 4.391mBRT to 4.421mBRT WOB: 0-60kN, HPS:110rpm x 0-14kNm, SPP:500gpm x 10.6MPa, Set Auto driller:21m/hr, Pump sweep 5m3 x 2times per stand(SPP:8.8MPa then back to normal) Vessel move 1.5m/10min toward to DP/RGR contacted direction for RGR rotation smoothly.
1:45	2:00	0:15	OTHER	4,421.0	Take survey #14
2:00	2:30	0:30	OTHER	4,421.0	Perform NSD connection. Vessel move toward to opposite way from DP/RGR contacted position and stop vessel 10m away from well center.
2:30	4:15	1:45	DRL	4,460.0	Continue to drill 8-1/2" LWD hole from 4.421mBRT to 4.460mBRT WOB: 0-40kN, HPS:110rpm x 0-12kNm, SPP:500gpm x 10.5MPa, Set Auto driller:21m/hr, Pump sweep 5m3 x 2times per stand(SPP:9.6MPa then back to normal) Vessel move 1.5m/10min toward to DP/RGR contacted direction for RGR rotation smoothly.
4:15	4:30	0:15	OTHER	4,460.0	Take survey #15
4:30	5:00	0:30	OTHER	4,460.0	Perform NSD connection. Vessel move toward to opposite way from DP/RGR contacted position and stop vessel 10m away from well center.
5:00	6:00	1:00	DRL	4,475.0	Continue to drill 8-1/2" LWD hole from 4.460mBRT to 4.475mBRT WOB: 0-30kN, HPS:110rpm x 0-16kNm, SPP:500gpm x 10.7MPa, Set Auto driller:21m/hr, Pump sweep 5m3 x 2times per stand(SPP:9.3MPa then back to normal) Vessel move 1.5m/10min toward to DP/RGR contacted direction for RGR rotation smoothly.

Survey data (Depth: Telescope sensor depth)

No	Depth (mBRT)	Inc (deg)	Azi (deg)
#14	4,403.00	5.52	262.02
#15	4,442.09	5.79	263.71

Bit Record @24:00

Bit No.	Size (in)	MFR	Type	IADC Code	S.No.	Nozzles	Depth (mBRT)	Meter- age	Hrs.	WOB (kN)	rpm	Total Rev.	ROP (m/hr)	Inner	Outer	Dull	Loc.	B	G	O.D.	RP	
13	8.5	Smith	MDIS16URPXCJ	M223	QF3594	2 x 11.93 x 11.93	3,870.0 - 4,391.0	S21.0	21.53	0 - 50	30 - 110	175.30	23.9									

BHA Record @24:00

No.	Lineer Size	SPM	GPM	Press. (MPa)	Ann. Vel. (m/min)
1	6"	50	250	11.0	5.20
2	6"	50	250	11.0	5.20
3	6"	0	0		56

Mud Properties @24:00

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Bpm	Gel St (10', 10')	API	Cake	pH	PI	Cl-	Sand	Oil	Solid	MBC	Temp (In/Out)	K+	n	K	LGS	FIT 20/40 (mm)
KNPP	14:00	Pit	1.34	51	20	15		3 - 8			12.0							21		0.65	0.60		0 min ; 5min

Mud Pumps - 14P:220 5.00 gallon/stroke @97%

No.	Lineer Size	SPM	GPM	Press. (MPa)	Ann. Vel. (m/min)
1	6"	50	250	11.0	5.20
2	6"	50	250	11.0	5.20
3	6"	0	0		56

Geologic Information @24:00

From	To	Lithology of cuttings

Shale Shaker / Centrifuge @24:00

No.1	No.2	No.3	No.4	No.5	No.6	#1-#3 Centrifuge running time
30	30	30	30	30	30	

Materials Stock on Board @24:00

Item	Unit	Stock	Used	Received
Fresh Water	m3	280.5	70.8	95.7
Potable Water	m3	195.8	6.3	0.0
Drill Water	m3	910.6	8.8	0.0
Fuel	m3	1,952.3	48.2	0.0
Lube Oil	litre	47,600	0.0	0.0
Heli Fuel	litre	0.0	0.0	0.0
Cement "GWC"	ton	160.0	0.0	0.0
Cement "G"	ton	30.0	0.0	0.0

Personnel @24:00

Item	Unit	Stock	Used	Received
CDCEX		16		
MIQJ Crew		102		
Basic (Bulk)		1,050		
Caustic Soda		200		
MIWJ		16		
Scientist		16		
MIQJ (Other)		1		
Telnite		1		
Caustic Potash		1,075		
Tel-Polymer DX / L / H		2,240 / 0 / 0		
XCD-Polymer		1,200		
Lignite NC		4,500		
Clean Lube W		8,000		
Tel Clean W		4,600		
Aster-S		4,400		
Defomer 30C		480		
Tell DD		3,200		
Bi-Carbonate		300		
Citric Acid		1,900		
Tan Cal C / M / F		210 / 1,020 / 510		
Telnite GXL		504		
Treat-HS		6,940		
Mud Seal P		130		
Tel Plug C / M / F		500 / 500 / 500		
Tel Stop P / G		500 / 180		
Barolith (lbs)		0		
Discal D		1027		
Tel Flow P		0		
Poro Seal		0		
Steel Seal 50 (lbs)		1,000		
KCI		0		
NaCl		0		
Fraceal (lbs)		0		
Stopsal (lbs)		0		
Bentonate(Bulk)		46,000		

Weather Information

Time	Weather	Temp. (degC)	Barometer (hPa)	Wind Speed (m/s)	Dir. (deg)	Gust (m/s)	Height (m)	Dir. (deg)	Period (s)	Speed(knt)	Dir. (deg)	Current (knt)	Visibility (km)
24:00	bc	10.0	1014.1	16.0	315	18.5	2.5	315	6.1	0.2	128	22.0	

Today's Schedule: Continue to drill down 8-1/2" LWD hole.

Reported by : N. Sakurai / T. Nishiyama  
 Approved by : T. Saruhashi