

Chikyu DAILY MORNING REPORT				Mission No. : CK18-04		Exp. No. : Exp 358		Report No. : 63																																																																																																																																																																																							
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	9/Dec/2018																																																																																																																																																																																		
Depth	@24:00 5,230.0 mBRT	3262.5 mbsf	Progress	0.0 m	Drilling/Coning/Undersreaming Hrs.	0.00 hrs	Last BOP PT	12/8/2018	Next BOP PT	12/29/2018	Last BOP FT	12/15/2018																																																																																																																																																																																			
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	Last Glycol 35gal Inj	12/4/2018																																																																																																																																																																																		
Summary of Operation on 8-Dec : Cont.pump out/Pull out to 4.925mBRT. Take survey. Resume POOH to 3.756mBRT. BOP PT/FT. POOH to 207mBRT. Last Glycol 35gal Inj.																																																																																																																																																																																															
Present Operation @ 06:00 on 9-Dec : Cont. POOH to surface. Lay out LWD BHA. mBRT: meter below rotary table mbsf: meter below sea floor																																																																																																																																																																																															
Time Breakdown (00:00 - 24:00 on 9-Dec)																																																																																																																																																																																															
From	To	Hrs	Code	Depth(mBRT)	Detail of Operation																																																																																																																																																																																										
0:00	1:15	1:15	TRIP	5,230.0	Continue to pump out from 5.086mBRT to 5.047mBRT. MP: 150ppm x 3.8MPa. Observe continuous drag 200 - 250kN (Normal drag). Attempt to break connection NSD sub (Top of #5 NSD stand box connection), slip lower arm of iron roughneck. Sledge tool joint and break connection. Offline job: #2 mud pump fluid end inspection.																																																																																																																																																																																										
1:15	2:00	0:45	TRIP	5,230.0	POOH 8-1/2" x 12-1/4" hole opening assembly from 5.047mBRT to 4.927mBRT. Observe continuous drag 100 - 200kN (Normal drag). Attempt to break connection NSD sub (Top of #4 NSD stand box connection), slip dies of iron roughneck. Sledge tool joint and break same. Break NSD sub (#3, #2 & #1 NSD stand) connection by iron roughneck without slip dies.																																																																																																																																																																																										
2:00	3:00	1:00	OTHER	5,230.0	Take survey at 4.925mBRT, 4.920mBRT and 4.915mBRT. Survey data (Depth: Telescope sensor depth)																																																																																																																																																																																										
				<table border="1"> <thead> <tr> <th>Depth (mBRT)</th> <th>Inc (deg)</th> <th>Azi (deg)</th> </tr> </thead> <tbody> <tr> <td>4,912.650</td> <td>3.48</td> <td>75.20</td> </tr> <tr> <td>4,907.110</td> <td>3.56</td> <td>75.37</td> </tr> <tr> <td>4,902.921</td> <td>3.15</td> <td>78.82</td> </tr> </tbody> </table>									Depth (mBRT)	Inc (deg)	Azi (deg)	4,912.650	3.48	75.20	4,907.110	3.56	75.37	4,902.921	3.15	78.82																																																																																																																																																																							
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3:00	3:45	0:45	TRIP	5,230.0	POOH 8-1/2" x 12-1/4" hole opening assembly from 4.915mBRT to 4.850mBRT. Observe continuous drag 100 - 200kN (Normal drag). Bit and Z-Reamer pass through the window without excess drag.																																																																																																																																																																																										
3:45	4:00	0:15	OTHER	5,230.0	Flow check. Observe well static. Remove geoservices wire while flow check.																																																																																																																																																																																										
4:00	6:00	4:00	TRIP	5,230.0	POOH 8-1/2" x 12-1/4" hole opening assembly from 4.850mBRT to 3.756mBRT. Pump 7m3 of slug mud. Open Lower Choke and Upper / Lower Kill lines, and pump booster line w/900ppm x 4.5MPa.																																																																																																																																																																																										
8:00	13:15	5:15	BOPE	5,230.0	BOP Pressure test functioning by Blue POD. Close LA and pick up string w/CMC on to confirm tool joint depth, and lower string 1m. #1: Test against MPR and LPR (Test Ram) w/300psi x 5min and 4,600psi x 5min: OK #2: Test against LA and UIC w/300psi x 5min and 4,600psi x 5min: OK Observe pressure drop while test w/300psi. Open and close Lower annular again. Pressure becomes stable and continue pressure test. #3: Test against UOK and UPR w/300psi x 5min and 4,600psi x 5min: OK Observe function fluid leak while close UPR. Lock ST Lock and Block UPR, and vent ST Lock to close LA to prevent leak. #4: Test against UIC, LIC w/300psi x 5min and 4,600psi x 5min: OK Observe LA "Close" leak (19 L/min). Change test procedure to use UA. UA and IGB are cancelled at #4 pressure test. #5: Test UOC and LOC w/300psi x 5min and 4,600psi x 5min: OK Cancel OGB by using LA for #5 test. #6: Test against IGB w/300psi x 5min and 4,600psi x 5min: OK Back to the original #4 procedure to test w/Blue POD considering well control situation. Leave UA leak (15 L/min) during #6 pressure test. OGB is not tested by consensus about well control with MOJ.																																																																																																																																																																																										
13:15	14:00	0:45	BOPE	5,230.0	BOP function test w/Yellow POD from Drillers house. Find lower pipe ram "Block" leakage (50l/min).																																																																																																																																																																																										
14:00	24:00	10:00	TRIP	5,230.0	Resume POOH 8-1/2" x 12-1/4" hole opening assembly from 3.756mBRT to 207mBRT. Find severe scratch mark #1 and #2 5.68" HWDF stand. Change shale shaker bottom side screen to API 170 and run 6 shakers. Boost riser at 500ppm x 4.8MPa. Ditch magnet: 0.0kg (Total 166.8kg)																																																																																																																																																																																										
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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: 8.23" (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/500ppm 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.																																																																																																																																																																																										
5:30	6:00	0:30	OTHER	5,230.0	Transfer arcVision and TeleScope to forward pipe deck to dump memory data.																																																																																																																																																																																										
Bit Record @24:00																																																																																																																																																																																															
Bit No.	Size (in)	MFR	Type	IADC Code	S/No.	Nozzles	Depth (mBRT)	Meter-agg	Hrs.	WOB (kN)	rpm	Total Rev. (krev)	ROP (m/hr)	Inner	Outer	Dull Condition																																																																																																																																																																															
RR4a	8.5	Smith	vestside X16	M23	QF3233	3x1212 3x1310	4,990.0 - 5,230.0	240.0	94.06	100	145	110	160	2.5	1	5	BT	G	X	2	WT	BHA																																																																																																																																																																									
RR4b	8.5 x 12.25	Dallstar	Z-Reamer850	NA	52763	1x 702 2x 802	4894.00 - 5,201.00	307.0	153.49	75	110	90	160	1,153.8	2.0	1	1	LC	I	X	I	WT	BHA																																																																																																																																																																								
BHA Record @24:00																																																																																																																																																																																															
#13	8.5"x12.25"-18-1/2" Bit x 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 (11) x XO x 6-3/4"Coning DC (3) x XO x 8-1/2"DC (3) x 8" Jar x 5.68"HWDF (3605) x XO											Hook WL (knt) @24:00		207.0	mBRT																																																																																																																																																																																
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Mud Type	Time	Depth (mBRT)	MW	Vis	PV	YV	6rpm	Gel St. (10 ³ , 10 ⁴)	API	Cake	pH	PI	Cl-	Sand	Oil	Solid	MBC	Temp. In : Out	K+	n	K	LGS	FIT 20/40 (mm) 0 min : 5 min	Jar Rotating time 24/S/N: 1762-5074																																																																																																																																																																							
KNPP	3:00	4,900	1.37	67	23	33	12	12	20	4.4	0.8	10.2	0.1	128,000	0.10	17.0	1.50	11	8	21,400	0.42	3.61	3.40	14	-	Today 12:25	Total 176.49	hrs																																																																																																																																																																			
KNPP	15:00	Pr	1.37	62	23	33	12	12	21	4.5	0.8	10.0	0.1	128,000	0.10	17.0	1.50	16	8	21,400	0.42	3.61	3.40	16	-																																																																																																																																																																						
Mud Pumps @24:00													Mud Materials on Board @24:00hrs		(unit: kg)																																																																																																																																																																																
No.	Line Size	SPM	GPM	Press. (MPa)	Ann. Vel. (m/min)	<table border="1"> <thead> <tr> <th>Item</th> <th>Received</th> <th>Used</th> <th>Stock</th> </tr> </thead> <tbody> <tr> <td>CDEX</td> <td>10</td> <td></td> <td></td> <td></td> </tr> <tr> <td>MOJ Crew</td> <td>104</td> <td></td> <td>562,000</td> <td></td> </tr> <tr> <td>MOJ (Other)</td> <td>0</td> <td></td> <td>1,200</td> <td></td> </tr> <tr> <td>MWJ</td> <td>15</td> <td></td> <td>200</td> <td></td> </tr> <tr> <td>Scientist</td> <td>14</td> <td></td> <td>1,200</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>150</td> <td>1,100</td> </tr> <tr> <td>Telinite</td> <td>2</td> <td></td> <td>2060/1100/0</td> <td></td> </tr> <tr> <td>Oceanearing</td> <td>6</td> <td></td> <td>1,375</td> <td></td> </tr> <tr> <td>SLB Cementing</td> <td>2</td> <td></td> <td>4,500</td> <td></td> </tr> <tr> <td>SLB WL</td> <td>0</td> <td></td> <td>0</td> <td></td> </tr> <tr> <td>Geoservices</td> <td>6</td> <td></td> <td>6,400</td> <td></td> </tr> <tr> <td>M-I SWACO</td> <td>4</td> <td></td> <td>0</td> <td></td> </tr> <tr> <td>SLB Underreamer</td> <td>2</td> <td></td> <td>368</td> <td></td> </tr> <tr> <td>SLB LWD</td> <td>2</td> <td></td> <td>3,200</td> <td></td> </tr> <tr> <td>SLB Seismic</td> <td>0</td> <td></td> <td>1,250</td> <td></td> </tr> <tr> <td>AFGlobal</td> <td>2</td> <td></td> <td>2,275</td> <td></td> </tr> <tr> <td>ENVENTURE</td> <td>0</td> <td></td> <td>1,020 / 210 / 510</td> <td></td> </tr> <tr> <td>SLB DD</td> <td>0</td> <td></td> <td>684</td> <td></td> </tr> <tr> <td>Franks</td> <td>0</td> <td></td> <td>9,200</td> <td></td> </tr> <tr> <td>Treat-HS</td> <td>0</td> <td></td> <td>130</td> <td></td> </tr> <tr> <td>Mud Seal P</td> <td>0</td> <td></td> <td>500 / 500 / 500</td> <td></td> </tr> <tr> <td>Tel Plug C / M / F</td> <td>0</td> <td></td> <td>500 / 260</td> <td></td> </tr> <tr> <td>Tel Stop P / G</td> <td>0</td> <td></td> <td>105</td> <td></td> </tr> <tr> <td>Balofit</td> <td>0</td> <td></td> <td>0</td> <td></td> </tr> <tr> <td>Driscol D</td> <td>0</td> <td></td> <td>0</td> <td></td> </tr> <tr> <td>Tel Flow P</td> <td>0</td> <td></td> <td>0</td> <td></td> </tr> <tr> <td>Poro Seal</td> <td>0</td> <td></td> <td>0</td> <td></td> </tr> <tr> <td>Steel Seal 50</td> <td>7,000</td> <td></td> <td>8,000</td> <td></td> </tr> <tr> <td>KCI</td> <td>6,000</td> <td></td> <td>16,000</td> <td></td> </tr> <tr> <td>NuCo</td> <td>10,000</td> <td></td> <td>26,000</td> <td></td> </tr> <tr> <td>Fracsreal</td> <td>0</td> <td></td> <td>13,000</td> <td></td> </tr> <tr> <td>Slopsal</td> <td>0</td> <td></td> <td>8,000</td> <td></td> </tr> <tr> <td>Bentonate(Bulk)</td> <td>0</td> <td></td> <td>46,000</td> <td></td> </tr> </tbody> </table>																	Item	Received	Used	Stock	CDEX	10				MOJ Crew	104		562,000		MOJ (Other)	0		1,200		MWJ	15		200		Scientist	14		1,200					150	1,100	Telinite	2		2060/1100/0		Oceanearing	6		1,375		SLB Cementing	2		4,500		SLB WL	0		0		Geoservices	6		6,400		M-I SWACO	4		0		SLB Underreamer	2		368		SLB LWD	2		3,200		SLB Seismic	0		1,250		AFGlobal	2		2,275		ENVENTURE	0		1,020 / 210 / 510		SLB DD	0		684		Franks	0		9,200		Treat-HS	0		130		Mud Seal P	0		500 / 500 / 500		Tel Plug C / M / F	0		500 / 260		Tel Stop P / G	0		105		Balofit	0		0		Driscol D	0		0		Tel Flow P	0		0		Poro Seal	0		0		Steel Seal 50	7,000		8,000		KCI	6,000		16,000		NuCo	10,000		26,000		Fracsreal	0		13,000		Slopsal	0		8,000		Bentonate(Bulk)	0		46,000	
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Shale Shaker @24:00													Safety (HSE) and other information		No. LTA																																																																																																																																																																																
No.1	20, 170	No.4	30, 170	No.1	off	<table border="1"> <thead> <tr> <th>Item</th> <th>Unit</th> <th>Stock</th> <th>Used</th> <th>Received</th> </tr> </thead> <tbody> <tr> <td>Fresh Water</td> <td>m³</td> <td>336.4</td> <td>85.8</td> <td>102.4</td> </tr> <tr> <td>Potable Water</td> <td>m³</td> <td>222.9</td> <td>11.8</td> <td>0.0</td> </tr> <tr> <td>Drill Water</td> <td>m³</td> <td>1,628.0</td> <td>12.5</td> <td>0.0</td> </tr> <tr> <td>Fuel</td> <td>m³</td> <td>6,189.4</td> <td>48.2</td> <td>0.0</td> </tr> <tr> <td>Lube Oil</td> <td>Ltrs</td> <td>99,200</td> <td>700.0</td> <td>0.0</td> </tr> <tr> <td>Heli Fuel</td> <td>Ltrs</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>Cement "GWCC"</td> <td>ton</td> <td>186.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>Cement "G"</td> <td>ton</td> <td>97.0</td> <td>0.0</td> <td>0.0</td> </tr> </tbody> </table>																	Item	Unit	Stock	Used	Received	Fresh Water	m ³	336.4	85.8	102.4	Potable Water	m ³	222.9	11.8	0.0	Drill Water	m ³	1,628.0	12.5	0.0	Fuel	m ³	6,189.4	48.2	0.0	Lube Oil	Ltrs	99,200	700.0	0.0	Heli Fuel	Ltrs	0.0	0.0	0.0	Cement "GWCC"	ton	186.0	0.0	0.0	Cement "G"	ton	97.0	0.0	0.0	Incident		Last Incident																																																																																																																									
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Boat Information @24:00													Remarks		Marine Information @24:00		Heave (m)		0.4																																																																																																																																																																												
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Today's Schedule: Dump LWD memory data. Prepare next BHA run. DCIS troubleshooting during preparation. MU & RH 8-1/2" x 12-1/4"LWD BHA.													Riser Tension (kN)		9600.0																																																																																																																																																																																
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