

Chikyū DAILY MORNING REPORT				Mission No.:	CK18-04	Exp. No.:	Exp 358	Report No.:	48															
Site Name	C0002	Hole Name	C0002C	Lat.	32° 18.6507'N	Long.	126° 38.2029'E	Seabed Depth	1,967.5 mBRT	RT-MSL	28.5 m	Report Date	24/Nov/2018											
Depth @ 06:00	4,990.0 mBRT	Depth @ 06:00	3,922.5 mbsf	Progress	0.0 m	Drilling/Coring/Underreaming Hrs.	0.00 hrs	Last BOP FT.	11/15/18	Next BOP FT.	12/8/18													
Depth @ 06:00	4,990.0 mBRT	Depth @ 06:00	3,922.5 mbsf	LAST CASING	11-3/4"		2,922.50 mbsf	4,890.0 mBRT	Last BOP FT.	11/22/18	Next BOP FT.	11/29/18												
Summary of Operation on 24-Nov				LWD function test @ 3,800mBRT & 4,810mBRT. RIH to 4,845.5mBRT. Ream down to 4,909mBRT. Stall HPS. Bottoms up. Cont. Circulate and bottoms up. Work pipe from 4,894mBRT to 4,904mBRT. Take survey. Circulate and bottoms up																				
Present Operation @ 06:00 on 24-Nov				Cont. Circulate and bottoms up. Work pipe from 4,894mBRT to 4,904mBRT. Take survey. Circulate and bottoms up																				
Time Breakdown (00:00 - 24:00) on 24-Nov				Detail of Operation																				
From	To	Hrs.	Code	(hour/min)	Detail of Operation																			
0:00	2:00	2:00	OTHER	4,990.0	Continue conduct LWD shallow hole test at 3,800mBRT. While testing, CMC on and Booster on with 450gpm x 4.0MPa. Perform telemetry adjustment w/8bps #1 test w/550gpm x 19MPa(MP#1 275spm, MP#3 275spm), strong pump harmonics affect receiving signal, NG #2 test w/550gpm x 19MPa(MP#1 250gpm, MP#3 300spm), strong pump harmonics affect receiving signal, NG #3 test w/550gpm x 19MPa(MP#1 200gpm, MP#3 350spm), strong pump harmonics affect receiving signal, NG #4 test w/550gpm x 19MPa(MP#1 225gpm, MP#3 325spm), strong pump harmonics affect receiving signal, NG #5 test w/550gpm x 19MPa(MP#1 175gpm, MP#3 375gpm), confirm receiving good signal w/8bps, OK Receive Seismic/Vison data, takes 40min to surface, OK																			
2:00	4:30	2:30	TRIP	4,990.0	Continue RIH 8-1/2" x 12-1/4" LWD BHA from 3,800mBRT to 4,499.5mBRT.																			
4:30	5:00	0:30	RR	4,990.0	Troubleshoot DCIS due to malfunction DCIS parameter trend not on the DCIS screen properly. Reboot DCIS, OK																			
5:00	6:00	1:00	TRIP	4,990.0	Continue RIH 8-1/2" x 12-1/4" LWD BHA from 4,469.5mBRT to 4,845.5mBRT. Install Geolograph, Take SCR Meanwhile: DCIS parameter trend not on the DCIS screen properly, Troubleshoot ongoing																			
6:00	6:15	0:15	RR	4,990.0	Troubleshoot DCIS due to malfunction DCIS parameter trend not on the DCIS screen properly, Reboot DCIS, OK																			
6:15	7:30	1:15	OTHER	4,990.0	Conduct LWD shallow hole test at 4,810mBRT. Find signal not receive properly, Reboot surface system, NG Troubleshoot LWD tool. Suspect turbine blocked by debris, attempt pump on and off 3 times, then receive signal properly, OK CMC on, pump 550gpm x 20MPa Check Free rotation torque: 80/100/120rpm x 17/19/20kNm. Pick up/Slack off weight: 2920kN(up)/3100kN(down). Downhole torque: 120rpm x 0.1kNm Confirm LWD signal telemetry receive properly w/8bps, OK																			
7:45	8:00	0:15	RR	4,990.0	Troubleshoot DCIS due to malfunction DCIS parameter trend not on the DCIS screen properly, Reboot DCIS, OK																			
8:00	10:00	2:00	W&R	4,990.0	Wash down from 4,846mBRT to 4,886mBRT w/NSD. Boost Riser 450gpm x 3.7MPa Parameter: 500gpm x 17.5MPa Observe no drag while passing through window w/ CMC on. Continuous circulation pressure(NSD): Stand pipe to NSD 17.4 to 20.0MPa, NSD to Stand pipe 20.1 to 16.7MPa, OK 4,886mBRT, observe excessive pressure spike >25.0MPa. Once stop pump, pressure decrease to 5.5-7.0MPa																			
10:00	20:45	10:45	W&R	4,990.0	Ream down from 4,886mBRT to 4,909mBRT. Boost Riser 450gpm x 3.8MPa. Pump 3m3 of 12ppb Fracseal every 2hrs down (10:00-10:45) Observe excessive pressure spike 400-500gpm x >20.0MPa and stalled >23kNm. Once stop pump, pressure decrease to 5.0-7.0MPa. Work pipe from 4,886mBRT to 4,896.5mBRT, observe excessive drag >200kN and overpull >400kN Attempt to rotate pipe, stall w/10-30rpm x >23kNm. Jarring for 6times w/max over pull 550kN (10:45-11:15) Continue work pipe until observe no excessive drag w/Pump: 250gpm x 7.5-7.9MPa, HK: 3120kN, 50rpm x 16-18kNm (11:15-12:30) Stall HPS @ 4,896.0mBRT. Pick up string to 4,982mBRT and observe overpull w/460kN. (12:30-12:45) Stall HPS @ 4,897.5mBRT. Pick up string and observe overpull w/400kN @ 4,894mBRT. Establish pumping w/400gpm x 13.8MPa & 70rpm x 17-18kNm and ream down to 4,898.0mBRT. (12:45-13:15) Stall HPS @ 4,898.0mBRT. Pick up string to 4,895mBRT and observe overpull w/500kN @ 4,896mBRT. Establish pumping w/400gpm x 13.2MPa and increase rotation speed to 70rpm x 17-19kNm. Ream down to 4,902.5mBRT. (13:15-14:00) Stall HPS @ 4,902.5mBRT. Pick up string and observe overpull w/550kN @ 4,900.0mBRT. Overpull dropped when shut off pump. (14:00-14:30) Stall HPS @ 4,903.0mBRT after establishing pumping and rotation. Release string from stall. Observe cement block on shaker gradually. (14:30-15:00) Stall HPS @ 4,904.0mBRT. Pick up string and observe overpull w/300kN @ 4,900mBRT. Establish pumping w/400gpm x 12.3MPa & 70rpm x 17.5-19.0kNm. Pump 3m3 of 12ppb fracseal. Ream down to 4,904.0mBRT. (15:00-16:00) Stall HPS @ 4,904.0mBRT again. Pick up string and observe overpull w/560kN @ 4,901.0mBRT. Establish pumping w/400gpm x 12.7MPa & 70rpm x 17.0-21.0kNm. Ream down to 4,905.0mBRT. Set torque limit form 23kNm to 25kNm. Pump 3m3 of 12ppb fracseal. (16:00-16:45) Stall HPS @ 4,905.0mBRT. Pick up string and observe overpull w/620kN @ 4,899.0mBRT. Establish pumping w/400gpm x 12.7MPa & 70rpm x 17.5-18.5kNm. Ream down to 4,905.5mBRT. (16:45-17:30) Stall HPS @ 4,905.5mBRT. Pick up string and observe overpull w/570kN @ 4,902.0mBRT. Establish pumping w/400gpm x 12.3MPa & 70rpm x 18.0-20.0kNm. Ream down to 4,905.5mBRT. (17:30-18:30) Stall HPS @ 4,905.5mBRT again. Pick up string and observe overpull w/470kN @ 4,903.5mBRT. Establish pumping w/400gpm x 12.5MPa & 70rpm x 18.5-20.5kNm. Ream down to 4,909.0mBRT. (18:30-19:00) Stall HPS @ 4,907.5mBRT. Pick up string and observe overpull w/490kN @ 4,904.0mBRT. Rotate string and stall HPS @ 4,903.5mBRT. Pick up string and observe overpull w/400kN @ 4,902.0mBRT. Pick up string to 4,897.5mBRT. Establish pumping w/400gpm x 12.5MPa & 70rpm x 17.5-18.5kNm. Ream down to 4,905.5mBRT. (19:00-20:00) Stall HPS @ 4,900.0mBRT. Pick up & establish pumping w/100gpm x 3.7MPa & 70rpm x 17.0-22.0kNm. Ream down to 4,909.0mBRT. (20:00-20:30) Stall HPS @ 4,909.0mBRT. Pick up string & observe overpull w/600kN @ 4,906.0mBRT. (20:30-20:45) Stall HPS @ 4,898.0mBRT while establish pump and rotation.																			
20:45	24:00	3:15	C&C	4,990.0	Pick up string and observe overpull w/480kN @ 4,896.0mBRT. Circulate and bottoms up @ 4,894mBRT. Pump 3m3 of 12ppb fracseal. Rotate w/70rpm x 16.5-20.0kNm and step pumping from 200gpm to 500gpm with 50gpm by confirming hole condition. Meanwhile: Fracseal collecting job, ongoing ROV: Maintenance due to Umbilical failure																			
Time Breakdown (00:00 - 06:00) on 24-Nov				* The data on 00:00 - 06:00 is unofficial.																				
From	To	Hrs.	Code	(hour/min)	Detail of Operation																			
0:00	0:15	0:15	C&C	4,990.0	Continue circulate and bottoms up @ 4,894mBRT. Parameter: 70rpm x 18.0-19.0kNm, 400gpm x 12.5MPa																			
0:15	2:45	2:30	W&R	4,990.0	Work pipe from 4,894mBRT to 4,904mBRT, Boost Riser 450gpm x 3.8MPa (00:22) Stall HPS @ 4,901.5mBRT 50rpm x 22.7kNm (Pressure not increase, 350gpm x 12.4MPa) (00:30-00:50) Stall HPS @ 4,903.8mBRT 35rpm x 20.5kNm (Pressure not increase, 200, 350gpm x 1.2, 13.3MPa) x 3times (01:11) Stall HPS @ 4,901.2mBRT 30rpm x 22.6kNm (Pressure not increase, 400gpm x 12.2MPa) (01:11) Stall HPS @ 4,896.5mBRT 30rpm x 16.8kNm (Pressure increase, 400gpm x 11.8 to 13.0MPa, Once stop pump, pressure drop to 1.3MPa.) (01:21-21) Stall HPS @ 4,896.5mBRT 50rpm x 17.2kNm (Pressure not increase, 250gpm x 8.2MPa) (02:16) Stall HPS @ 4,896.4mBRT 50rpm x 20.2kNm (Pressure not increase, 300gpm x 8.1MPa)																			
2:45	3:15	0:30	OTHER	4,990.0	Take survey. Parameter: 550gpm x 20.5MPa Confirm hole inclination at 4894.5mBRT (Tool depth 4878.2mBRT) Observe Azimuth magnetic interference. Inclination 4.02deg, OK																			
3:15	6:00	2:45	C&C	4,990.0	Circulate and bottoms up, Boost Riser 450gpm x 3.8MPa Pump 3m3 of 12ppb Fracseal Parameter: 20rpm x 13.0-14.0kNm, 500gpm x 12.5MPa Fracseal collecting while Fracseal sweep come out from shaker																			
BRT Record @24:00																								
Bit	Size	MFR	Type	IADC	S/No.	Nozzles	Depth (mBRT)	Meter-	Hrs.	WOB (knt)	rpm	Total Rev.	Dull Condition											
No.	(in)			Code		From	To	age		Min.	Max.	(Rev)	Inner	Outer	Dull	Loc.	B	G	O.D.	RP				
4	6.5	Smith	Wahlde XH1	M323	QF3233	19132, 31133	4,846.0	4,909.0	63.0	16.00		0	70	46.94										
BHA Record @24:00																								
#11	8.67x12.25" 9-1/2" BH x MicroCopper75 x arc/Vision75 x Telescope75 x SonicScope75 x SonicScope75 x XO 6-3/4" DC (1) x 2-Reamer x Float sub w/ton-ported float x 7" Well commander x XO x LWD w/RS 5-1/2" DC (1) x 10-1/4" Sub x 6-1/2" DC (3sets) x 8" Jar x 6-1/2" DC (2) x XO x 5.6" WHP (3sets) x XO																							
Mud Properties @24:00																								
Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	Gpm	Gel St. (1hr / 10")	API	Calc	pH	PI	Cl-	Sand	Oil	Solid	MBC	Temp (1hr / 10")	K+	n	K	LGS	(FT 20MB) (min)	
KNPP	2:00	3,800	1.37	60	23	37	12	14	2.5	0.6	9.9	0.2	138.00	0.50	16.5	0.25	12	10	21,400	0.42	3.16	2.00	18	10
KNPP	9:30	4,890	1.37	60	24	34	12	14	2.5	0.6	9.9	0.2	138.00	0.50	16.5	0.25	12	8	20,900	0.43	2.91	2.00	18	10
KNPP	17:00	4,901	1.37	61	24	35	12	14	2.6	0.6	10.1	0.2	138.00	0.50	17.0	0.50	11	7	21,400	0.43	2.91	2.7	16	10
Personnel @24:00																								
No.	Liner Size	SPM	GPM	Press. (MPa)	Ann. Vel. (m/min)	CDEX		Item		Received		Used		Stock										
1	6"	50	250		DC DP	9	101	Barite (Bulk)							651.500									
2	6"(Booster)	90	450	18.2	53	4	101	Caustic Soda							1,200									
3	6"	60	250			13	101	Caustic Soda							200									
Geologic Information @24:00																								
From	To	Lithology of cuttings	Telrite		Tel-Polymer DX / L / H		XCD-Polymer		Lignite NC		Clean Lube W		Tel Clean W		M-I SWACO		Astex-S		SLB Whiptack		Tel DO		SLB Seismic	
Shale Shaker @24:00																								
No.1	30	50 x 26a	No.4	20	Dummy x 2	No.1	8hrs																	
No.2	20	50 x 26a	No.5	30	50 x 26a	No.2	off																	
No.3	30	Dummy x 2	No.8	20	50 x 26a	No.3	off																	
Materials Stock on Board @24:00																								
Item	Unit	Stock	Used	Received																				
Fresh Water	m3	324.0	93.6	97.6																				
Potable Water	m3	338.0	7.0	0.0																				
Drill Water	m3	1,698.0	14.0	0.0																				
Fuel	m3	6,337.6	49.6	0.0																				
Lube, Oil	Ltrs	112,000	1,100.0	0.0																				
Heli Fuel	Ltrs	0.0	0.0	0.0																				
Cement "COWC"	ton	186.0	0.0	0.0																				
Cement "G"	ton	97.0	0.0	0.0																				
Boat Information @24:00																								
Boat Name	Status	Time @Chikyū																						
#8 Meiji-maru	Chikyū	Departed	Arrived																					
Akatsuki	Chikyū	ETD 8:30	ETD 8:30																					
Shincho-maru	Chikyū	15:30																						
Weather information																								
Time	Weather	Air Temp (degC)	Barometer (hPa)	Wind (m/s)	Dir (deg)	Gust (m/s)	Height (m)	Dir (deg)	Period (s)	Speed(knt)	Dir (deg)	Visibility (km)												
24:00	bc	13.0	1025.3	7.7	307	9.4	1.1	0	4.3	0.6	224	22.0												
Today's Schedule: Cont. work pipe with 8-1/2" 12-1/4" BHA. Check hole condition																								
Reported by: T. Yokoyama / N. Sakurai																								
Approved by: T. Satahara																								