

Chikyu DAILY MORNING REPORT

Mission No. : CK24-01Exp. No. : 405

Report No. : 99

Site NameJTCT-01AHole NameC0019QLat (UWTV)37°56.2988'NLong.(UWTV)143°54.7733'ESeabed Depth : 6,928.0 mBRTRT-MSL : 28.5 mReport Date : 14/Dec/2024

Depth : @24:007,853.0 mBRT925.0 mbsfProgress : 0.0 mDrilling/Coring/Underreaming Hrs. : 0.00 hrs  
Depth : @06:007,853.0 mBRT925.0 mbsfLAST CASING : 13-3/8"x45.00 mbsf(6,973.0 mBRT)  
Summary of Operation on 13-Dec : Continue POOH 4-1/2" CSG hanger. RIH 4-1/2"TBG w/drillpipe  
Present Operation @ 06:00 on 14-Dec : Continue RIH 4-1/2"TBG w/drillpipe  
Time Breakdown ( 00:00 - 24:00 on 13-Dec )  

mBRT: meter below rotary table  
mbsf: meter below sea floor

From	To	Hrs	Code	Depth(mBRT)	Detail of Operation
0:00	7:45	7:45	COMPLETION(N)	7,853.0	Continue POOH 4-1/2" CSG hanger to 1,766.0mBRT
7:45	9:45	2:00	RR	7,853.0	Swap Iron Roughneck cassette from Aux.well Iron Roughneck due to malfunction (Clamp close and Make Up) Observe "Clamp close" and "Make Up" sequence don't work in main well Iron Roughneck. Swap Iron roughneck cassette from Aux.well Iron Roughneck, but both sequence still don't work. Find fuse blown for "Make Up" sequence in LER and oil leak from clamp cylinder after replacement. Investigate Aux. well Iron Roughneck because clamp cylinder replacement would take long time at main well.  Meanwhile, Prepare Sinker w/Impression block + Rope socket for drift run.
9:45	13:30	3:45	COMPLETION(N)	7,853.0	Resume POOH 4-1/2"CSG hanger to 1011.0mBRT. (09:45-11:00) Remove DGR w/roller type insert. (11:00-13:30) POCH by manual tong due to Iron roughneck malfunction.  Meanwhile: Investigate Aux. well Iron Roughneck, and find a cable for clamp damaged. Repair Iron roughneck, change electrical cable and fixed
13:30	15:00	1:30	RR	7,853.0	Swap out Iron Roughneck cassette from Aux to Main well Perform Torque Linearization, torque check and calibration. Confirm function good.
15:00	17:30	2:30	COMPLETION(N)	7,853.0	Resume POOH 4-1/2"CSG hanger to surface. (16:30-16:45) Break out ACME thread below 4-1/2"CSG hanger and lay out 4-1/2"CSG hanger at rotary (16:45-17:30) Disconnect HART assembly from 4-1/2" CSG hanger by hydraulic pump and check inside 4-1/2" CSG hanger receptacle Find two sensor (No.104 and No.123), Sensor rubber for No.123, Lower part of Weak link #1, Short rope #1 and Sinker bar(17kg) w/impression block Observe Stuck inside narrow area(3.125" ID) of 4-1/2" CSG hanger with two sensor (No.104 and No.123) and Lower part of Weak link with Short rope Unable to release stuck from top side, release stuck by pushing sinker bar from bottom side. Observe damage on Short rope #1 Conduct health check for No.104 and No.123, and confirm all good. Remove sensor No.1 and No.124 from sensor rope assembly, and compare data with No.104 and No.123, ongoing Observe sinker bar pass narrow area Confirm impression block of Sinker bar(17kg) not deform, OD 3in as same as before run Estimated friction at 5"drillpipe made 1st stop sensor assembly and two sensor dropped by recovery action. Then the dropped sensor moved down to sinker bar by free-fall. The dropped sensor move on top of sinker bar. At the end, two dropped sensors move together with sinker bar and wedged with weaklink at CSG hanger narrow area.  Meanwhile, Replace weak link in sensor assembly in core-tech workshop. Conduct predive check for UWTV
17:30	24:00	6:30	COMPLETION(N)	7,853.0	RIH 4-1/2"TBG w/drillpipe to 2,102.0mBRT (17:30-17:45) Reconnect HART to 4-1/2" CSG hanger (17:45-19:00) Pick up 6m Coring DC pony, HART and 4-1/2" CSG HGR from RTS by tailing Drift though 3in drift gauge to HART and 4-1/2" CSG hanger. Confirm pass inside properly. PU and Connect 4-1/2" CSG hanger and 4-3/4" TBG adaptor by ACME thread at Rotary Install anti-rotation key on ACME thread Install shear pin x2ea to HART Re-install reflection tape on the outside of 4-1/2" CSG hanger receptacle (19:00-19:30) HART pass rotary table, pick up 6-5/8" UD165 DP stand and connect to Top drive Conduct break circulation: 100, 150, 200, 250, 300, 350, 400gpm x 1.1, 1.1, 1.1, 1.1, 1.3, 1.5, 1.8MPa Lay out 6-5/8" UD165 DP stand (20:30-22:00) Install DGR w/roller type insert.  Meanwhile, Back load mud motor to Kaiyu
					Meanwhile, (00:00-06:00) Advisory status due to wind speed >18m/sec (06:50) KAIYU arrived chikyu (19:20) KAIYU left location for Shiogama with mud motor (ETA: 09:00 14th Dec)

From	To	Hrs.	Code	Depth(mBRT)	Detail of Operation
0:00	6:00	6:00	COMPLETION(N)	7,853.0	Continue RIH 4-1/2"TBG w/drillpipe to 5,456.0mBRT Fill up every 15stds.  Meanwhile, (04:00-06:00) Advisory status due to wind speed >18m/sec

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. (krev)	ROP (m/hr)	Dull Condition
							FromTo			Min.Max	Min.Max			InnerOuterDullLoc.BG O.D.RP

BHA Record @24:00

13	Completion	Float shoe x 4-1/2"TBG 1m pup (2lts) x 4-1/2"TBG 3m pup x 4-1/2"TBG R2 (94lts) x 4-1/2"TBG 1m pup x CSG hanger x HART x 8-1/2"coring DC 6m pup x 8-1/2"coring DC (2stds) x XO#1 x 5"DP V-150 (22stds) x XO#2 x 5"DP S-140 (42stds) x 5-1/2"DP S-140 (22stds) x XO#3 x 5-1/2"DP S-150 (27stds) x XO#4 x 5-1/2"DP UD-165 (30stds) x XO#5 x 6-5/8"DP Z-140 (11stds) x 6-5/8"DP UD-165
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Mud Properties @24:00

Mud Type	Time	Depth (mBRT)	MW	VIS	PV	YV	6rpm	Gel St. (10", 10')	API	Cake	pH	Pf	Cl-	Sand	Oil	Solid	MBC	Temp InOut	K+	n	K	LGS	FIT 20/40 (mm) 0 min5min

Mud Pumps : 14-P-220

5.00	gallon/stroke @97%
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No.	Liner Size	SPM	GPM	Press. (MPa)	Ann. Vel. (m/min)
1	6"				DC 5"DP
2	6"				
4	6"				00

Materials Stock on Board @24:00

Item	Unit	Stock	Used	Received
Fresh Water	m3	211.0	75.2	87.0
Potable Water	m3	175.5	5.0	0.0
Drill Water	m3	776.0	0.5	0.0
Fuel	m3	2,719.4	44.3	0.0
Lube, Oil	Ltrs	90,700	0.0	0.0
Heli Fuel	Ltrs	0.0	0.0	0.0

Weather Information

Time	Weather	Temp. (degC)	Barometer	Wind	Wave	Current	Visibility		
		AirSW	(hPa)	Speed (m/s)Dir. (deg)	Gust (m/s)	Height (m)Dir. (deg)	Period (s)	Speed(knt)Dir. (deg)	(km)
24:00	o	12.020.6	1005.7	9.9179	11.7	1.9300	5.4	0.4236	22.0

Today's Schedule:

Continue RIH 4-1/2"TBG w/drillpipe. Run UWTV. Run sensor assembly.

Personnel @24:00

MarE3	7
MQJ Crew	99
MWJ	19
Scientist	27
JAMSTEC PR	1
Outreach officer	1
Sub-contractor	
Expro	