

Chikyu DAILY MORNING REPORT

Mission No. : CK24-01

Exp. No. : 405

Report No. : 101

Site NameJTCT-01A

Hole NameC0019Q

Lat (UWTV)37°56.2988'N

Long.(UWTV)143°54.7733'E

Seabed Depth : 6,928.0 mBRT

RT-MSL : 28.5 m

Report Date : 16/Dec/2024

Depth : @24:007,853.0 mBRT925.0 mbsf

Depth : @06:007,853.0 mBRT925.0 mbsf

Summary of Operation on 15-Dec : Continue to run and set sensor. Land CSG hanger w/sensor assembly. Unlock HART. Recover UWTV. POOH HART.

Present Operation @ 06:00 on 16-Dec : Continue POOH.

Time Breakdown (00:00 - 24:00) on 15-Dec

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

From	To	Hrs	Code	Depth(mBRT)	Detail of Operation
0:00	2:30	2:30	COMPLETION	7,853.0	Continue to run and set sensor assembly DepthCoreline speedPump rateCoreline tension 0 - 1,650m50m/min50gpm x 1.2MPa22kN (Down) at 1,650m 1,650 - 2,050m50m/min75gpm x 1.2MPa26kN (Down) at 2,050m 2,050 - 5,500m50m/min50gpm x 1.2MPa75kN (Down) at 5,500m 5,500 - 6,820m30m/min50gpm x 1.2MPa92kN (Down) at 6,820m 6,820 - 6,910m10m/min0gpm97kN (Static) *Check static weight at 6,910m 6,910 - 6,943m5m/min0gpm97kN (Down) Landing MTL hanger at 6,943m (4-1/2"CSG hanger) by reducing coreline tension to 92kN from 97kN. Check static weight 93kN at 6,943m and confirm the MTL hanger landing. Apply jarring down 4times to release MTL hanger from coreline sinker bar. Shear pin would be sheared at 1st jarring down. Another 2times of jarring down is applied for confirmation. Check static weight at 6,910m once pick up to 6,900m. Observe the weight is decreased to 92kN and confirm MTL hanger is properly released.
2:30	5:45	3:15	COMPLETION	7,853.0	Recover coreline sinker bar to surface. Start pumping with 50gpm x 1.2MPa, but observe pressure increased to 1.4MPa, and stop pumping. Continue to recover coreline sinker bar. Observe coreline tension drop to 55kN from 62kN (-7kN) at 3,737m. Check if the tension drop happens again at 3,737m: No observation at same tension drop. Suspect MTL hanger released at that time, but decide to pick up coreline to surface. Observe tension drop happens at 3,070m (-3~4kN), 2,660m (-3~4kN) and 1,934m (-3~4kN) when coreline at the edge of drum while recovering. Pump 25gpm to confirm if float shoe is plugged because 5MPa of pressure is required to break the shoe before re-entry. Pressure increases to 5.5MPa and hole pressure.: Unable to determine whether the holding pressure happens by float shoe or sensor assembly. Continue to recover coreline sinker bar to surface to drift coreline sinker bar to 4-1/2"CSG hanger. Observe tension drop happens at 1,510m(-3~4kN) and 1,112m(-5kN) when coreline at the edge of drum while recovering.
5:45	8:15	2:30	COMPLETION	7,853.0	Drift run through drillpipe to confirm no dropping object inside. Replace weakend shear pin and run coreline sinker bar. Confirm MTL hanger landing at 4-1/2"CSG hanger by decreasing coreline tension at around 6,920mBRT (93kN → 87kN). Pick up coreline to 6,900mBRT and confirm coreline catch sensor assembly by increasing coreline tension (93kN → 99kN). Set MTL hanger at 4-1/2"CSG hanger again by 7times jarring down. Confirm MTL hanger released by decreasing coreline tension (99kN → 95kN).
8:15	10:15	2:00	COMPLETION	7,853.0	Land 4-1/2"CSG hanger onto wellhead. Take weight at 7,831mBRT while RIH to land 4-1/2"CSG hanger onto wellhead. Work pipe 3times and pump 50gpm to confirm if no pressure holding happens.: Pressure increases to 6.0MPa. Stop pumping and wait a few minutes because the pressure gradually decreases, but observe seawater comes out from drain hose. Bleed off pressure and resume RIH to land 4-1/2"CSG hanger. Work pipe 3tmes again, but observe no progress. Close CMC and try to land 4-1/2"CSG hanger. Finally 4-1/2"CSG hanger lands onto wellhead at 7,837mBRT and apply 100kN of slack off weight. Open CMC and keep slack off while recovering coreline to surface.
10:15	11:30	1:15	COMPLETION	7,853.0	Run HART unlock dart. Replace normal shear pin and install HART unlock dart to coreline. Run HART unlock dart and confirm same landing at HART by decreasing coreline tension to 85kN from 90kN at around 6,920mBRT. Meanwhile, keep slack off 130-150kN by CMC.
11:30	11:45	0:15	COMPLETION	7,853.0	Set 4-1/2"CSG hanger w/sensor assembly to unlock HART. Close CMC and adjust slack off weight to 190kN. Close seal ram and start to pump with 5gpm. Pressure increases gradually and observe HART sleeve move upward by UWTV. Keep pumping when pressure increase to 7.5MPa. Confirm HART unlocked properly by observing HART floating above 4-1/2"CSG hanger. Bleed off pressure to zero and open seal ram, and pick up a few meter.
11:45	14:45	3:00	OTHER	7,853.0	Recover UWTV Meanwhile Check MTL hanger inside 4-1/2"CSG hanger by UWTV.: Confirm MTL hanger lands. Recover HART unlock dart to surface.
14:45	15:15	0:30	OTHER	7,853.0	Unload sinker bar
15:15	24:00	8:45	TRIP	7,853.0	POOH HART assembly to 3,310mBRT Flush string w/600gpm x 8.4MPa Spot 3m3 drill water inside string While POOH, flush outside drill pipe by drill water at mezzanine Meanwhile (11:51) Advisory status due to maintenance of main generator. (16:30) Advisory status due to wind speed >18m/sec (19:00) Advisory status due to Vessel deviation >5m

From	To	Hrs.	Code	Depth(mBRT)	Detail of Operation
0:00	6:00	6:00	TRIP	7,853.0	Continue POOH HART assembly to 117mBRT, ongoing. (01:30-02:30) Remove DGR.

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								
							From	To		Min.	Max.	Min.	Max.		Inner	Outer	Dull	Loc.	B	G	O.D.	RP

BHA Record @24:00

13	Completion	Float shoe x 4-1/2"TBG 1m pup (2its) x 4-1/2"TBG 3m pup x 4-1/2"TBG R2 (94its) 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

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	K+	n	K	LGS	FIT 20/40 (mm)	
																		In	Out				0 min	5min

Mud Pumps : 14-P-220

No.	Liner Size	SPM	GPM	Press. (MPa)	Ann. Vel. (m/min)
1	6"	10	50	6.1	DC 5"DP
2	6"				
4	6"				

Materials Stock on Board @24:00

Item	Unit	Stock	Used	Received
Fresh Water	m3	132.7	75.1	43.2
Potable Water	m3	168.0	4.0	0.0
Drill Water				