

Chikyu DAILY MORNING REPORT

Mission No. :CK24-01Exp. No. :405Report No. :94

Site NameJTCT-01AHole NameC0019QLat (UWTV)37°56.2988'NLong.(UWTV)143°54.7733'ESeabed Depth :6,928.0 mBRTRT-MSL :28.5 mReport Date :9/Dec/2024

Lat (Ship)37°56.3086'NLong.(Ship)143°54.7737'E

Depth : @24:007,853.0 mBRT925.0 mbsfProgress :286.0 mDrilling/Coring/Underreaming Hrs. :12.50 hrs

Depth : @06:007,853.0 mBRT925.0 mbsfLAST CASING :13-3/8" x45.00 mbsf(6,973.0 mBRT)

Summary of Operation on8-Dec :Drill down to 7,853mBRT. Wiper trip. POOH

Present Operation @ 06:00 on9-Dec :Continue to POOH

Time Breakdown (00:00 - 24:00 on8-Dec)

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

From	To	Hrs	Code	Depth(mBRT)	Detail of Operation
0:00	12:30	12:30	DRL	7,853.0	Drill down from 7,567.0mBRT to 7,853.0mBRT (639.0-925.0mbsf). Sweep 10m3 of SWG every stand. 7,567.0 - 7,591.0mBRT (639.0 - 663.0mbsf), MP 600gpm x 17.1-19.3MPa, HPS 60rpm x 0.2-14.9kNm, WOB 0-100kN, Ave. ROP 55m/hr 7,591.0 - 7,628.0mBRT (663.0 - 700.0mbsf), MP 600gpm x 16.9-19.3MPa, HPS 60rpm x 0.2-17.0kNm, WOB 0-90kN, Ave. ROP 54m/hr 7,628.0 - 7,667.0mBRT (700.0 - 739.0mbsf), MP 600gpm x 16.0-18.2MPa, HPS 60rpm x 0.2-16.3kNm, WOB 0-60kN, Ave. ROP 51m/hr 7,667.0 - 7,705.5mBRT (739.0 - 777.5mbsf), MP 600gpm x 15.8-16.9MPa, HPS 60rpm x 0.2-14.3kNm, WOB 0-80kN, Ave. ROP 53m/hr 7,705.5 - 7,729.0mBRT (777.5 - 801.0mbsf), MP 600gpm x 15.9-18.3MPa, HPS 60rpm x 0.2-14.6kNm, WOB 0-60kN, Ave. ROP 52m/hr 7,729.0 - 7,743.0mBRT (801.0 - 815.0mbsf), MP 600gpm x 16.8-17.4MPa, HPS 60rpm x 0.2-15.2kNm, WOB 0-30kN, Ave. ROP 60m/hr 7,743.0 - 7,782.0mBRT (815.0 - 854.0mbsf), MP 600gpm x 15.9-18.5MPa, HPS 60rpm x 0.2-15.8kNm, WOB 0-120kN, Ave. ROP 50m/hr 7,782.0 - 7,819.5mBRT (854.0 - 891.5mbsf), MP 600gpm x 16.0-18.7MPa, HPS 60rpm x 0.2-19.6kNm, WOB 20-120kN, Ave. ROP 39m/hr 7,819.5 - 7,827.5mBRT (891.5 - 899.5mbsf), MP 600gpm x 16.1-25.0MPa, HPS 60rpm x 0.2-19.6kNm, WOB 10-85kN, Ave. ROP 37m/hr Tandem sweep 15m3 and 6m3 of SWG after 5m3 of SW. 7,827.5 - 7,838.0mBRT (899.5 - 910.0mbsf), MP 600gpm x 16.6-21.5MPa, HPS 60rpm x 0.5-19.9kNm, WOB 25-135kN, Ave. ROP 30m/hr Observe hard formation at 7,838.0mBRT due to high WOB and standpipe pressure. 7,838.0 - 7,840.0mBRT (910.0 - 912.0mbsf), MP 600gpm x 18.1-19.4MPa, HPS 60rpm x 0.2-17.7kNm, WOB 20-45kN, Ave. ROP 30m/hr 7,840.0 - 7,847.5mBRT (912.0 - 919.5mbsf), MP 600gpm x 17.8-21.0MPa, HPS 60rpm x 0.2-20.0kNm, WOB 10-125kN, Ave. ROP 20m/hr Observe drilling break at 7,847.0mBRT and HPS torque increases to 20.0kNm (Up to torque limit, but not stall) and standpipe pressure increases to 21.0MPa. Start picking up string, and HPS stall intermittent and standpipe pressure increase to 25.0MPa. Increase HPS speed to 80rpm until 7,842.0mBRT. Work pipe until HPS torque and standpipe pressure become stable at drilling parameter (60rpm and 600g Sweep 15m3 of SWG. 7,847.5 - 7,853.0mBRT (919.5 - 925.0mbsf), MP 600gpm x 16.9-18.8MPa, HPS 60rpm x 0.1-19.7kNm, WOB 0-100kN, Ave. ROP 9m/hr Sweep 15m3 of SWG.
12:30	14:15	1:45	C&C	7,853.0	Bottoms up and spot SWG. Observe take weight 100kN at 7,848.0mBRT. Attempt to pass w/60rpm x 14.0-15.6kNm and 600gpm x 17.0-17.9MPa x2times, no success Attempt to pass w/30rpm x 3.5kNm and 600gpm x 18.1MPa x1times, no success Attempt to pass w/30rpm x 8.5kNm and 300gpm 8.3MPa x1times, no success Open CMC and attempt to pass 30rpm x 300gpm x1times, success. Continue to lowering to 7,853.0mBRT. Sweep out 15m3 SWG with 600gpm x 16.0MPa x2times. Spot 20m3 of SWG.
14:15	17:15	3:00	TRIP	7,853.0	Short trip from 7,853.0mBRT to 7,474.0mBRT. From 7,853.0mBRT to 7,474.0mBRT. Observe no excessive drag. From 7,474.0mBRT to 7,853.0mBRT. Observe no excessive drag. Open CMC at 7,844.0mBRT for passing 7,848.0mBRT. No observe any drag while passing 7,848.0mBRT. Observe take weight 100kN at 7,849.5mBRT. Suspect 3.5m fill on bottom. Pick up to 7,845.5mBRT and apply pump 600gpm and rotation 30rpm Ream down from 7,845.5mBRT to 7,853.0mBRT. WOB: 0-40kN, HPS: 30rpm x 1.8-4.5kNm, MP:600gpm x 15.8MPa.
17:15	18:00	0:45	C&C	7,853.0	Bottoms up and spot SWG. Sweep out 10m3 SWG x2times w/600gpm x 15.6MPa. Spot 20m3 of SWG.
18:00	19:45	1:45	TRIP	7,853.0	POOH to 7,321.0mBRT. (18:45-18:55) Finger broken at finger board due to upper arm does not open fully when retracting the hydraracker.
19:45	20:15	0:30	OTHER(N)	7,853.0	Drop Elevator verification pin Elevator verification pin fell from 20m above rig floor due to verification pin thread loosened. Suspect the cause due to vibration by rough weather. As countermeasures, apply Loctite to verification pin thread and mark pin to see if there is gap due to loosen routinely by drilling crew.
20:15	24:00	3:45	TRIP	7,853.0	POOH to 5,865.5mBRT, ongoing. Open CMC for recovering DAT body, confirm no drag at 6,973mBRT. When Bit off 500m from seabed, Vessel move 20m down stream from C0019Q. At 6,494mBRT, remove DGR camera. Meanwhile, (00:00-3:00)Advisory status due to strong wind (>18m/s) and ship deviation(>5m). (03:00-6:00)Advisory status due to ship deviation(>5m). (07:15) Green status (Ship deviation <5m) (03:25) Kaiyu arrives at Chikyu. (09:55) Kaiyu left location for evacuation. (15:05-24:00)Advisory status due to ship deviation(>5m).

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