

Chikyu DAILY MORNING REPORT

Mission No. :CK24-01

Exp. No. :405

Report No. :93

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 :8/Dec/2024

Depth : @24:007,567.0 mBRT639.0 mbsf

Depth : @06:007,729.0 mBRT801.0 mbsf

Progress :594.0 m

Drilling/Coring/Underreaming Hrs. :20.00 hrs

Summary of Operation on7-Dec :Recover UWTV, wash down and drill down.

Present Operation @ 06:00 on8-Dec :Continue to drill down.

Time Breakdown (00:00 - 24:00 on7-Dec)

mBRT: meter below rotary table

mbsf: meter below sea floor

From	To	Hrs	Code	Depth(mBRT)	Detail of Operation
0:00	4:00	4:00	UWTV	6,973.0	Recover UWTV. Skid working cart to AFT, open RGR and skid BOP to AFT. Set RGR position at 0.4m offset and close RGR door w/installing retainer plate. Meanwhile, recover unlock dart by coreline.
4:00	5:00	1:00	DRL	7,003.0	Wash down from 6,973.0mBRT to 7,003.0mBRT (45.0-75.0mbsf). Sweep 10m3 of SWG every stand. 6,973.0 - 6,978.0mBRT (45.0 - 50.0mbsf), MP 350gpm x 6.2-7.2MPa, WOB 0-60kN, Ave. ROP 23m/hr 6,978.0 - 7,003.0mBRT (50.0 - 75.0mbsf), MP 350gpm x 6.2-7.1MPa, WOB 0-60kN, Ave. ROP 29m/hr
5:00	24:00	19:00	DRL	7,567.0	Drill down from 7,003.0mBRT to 7,567.0mBRT (75.0-639.0mbsf). Sweep 10m3 of SWG every stand. 7,003.0 - 7,018.0mBRT (75.0 - 90.0mbsf), MP 350gpm x 6.5-7.5MPa, HPS 20rpm x 0.2-8.7kNm, WOB 0-40kN, Ave. ROP 33m/hr 7,018.0 - 7,023.0mBRT (90.0 - 95.0mbsf), MP 350gpm x 6.5-7.5MPa, HPS 20rpm x 0.3-9.8kNm, WOB 0-40kN, Ave. ROP 37m/hr 7,023.0 - 7,032.0mBRT (95.0 - 104.0mbsf), MP 350gpm x 6.2-7.6MPa, HPS 20rpm x 0.2-5.9kNm, WOB 0-30kN, Ave. ROP 45m/hr 7,032.0 - 7,057.5mBRT (104.0 - 129.5mbsf), MP 350gpm x 6.2-7.6MPa, HPS 20rpm x 0.3-7.1kNm, WOB 0-30kN, Ave. ROP 59m/hr 7,057.5 - 7,073.5mBRT (129.5 - 145.5mbsf), MP 350gpm x 6.9-9.7MPa, HPS 20rpm x 0.7-7.5kNm, WOB 0-70kN, Ave. ROP 34m/hr Increase pump rate from 500 to 600gpm and HPS from 20 to 60rpm due to observing high pressure. 7,073.5 - 7,094.5mBRT (145.5 - 166.5mbsf), MP 500gpm x 11.0-11.2MPa, HPS 60rpm x 0.2-5.6kNm, WOB 0-30kN, Ave. ROP 57m/hr 7,094.5 - 7,132.0mBRT (166.5 - 204.0mbsf), MP 500gpm x 11.4-11.9MPa, HPS 60rpm x 0.2-10.5kNm, WOB 0-50kN, Ave. ROP 61m/hr 7,132.0 - 7,152.0mBRT (204.0 - 224.0mbsf), MP 500gpm x 10.9-13.5MPa, HPS 60rpm x 0.1-13.6kNm, WOB 0-110kN, Ave. ROP 44m/hr Increase pump rate from 500 to 600gpm due to observing high pressure and torque. 7,152.0 - 7,171.0mBRT (224.0 - 243.0mbsf), MP 600gpm x 16.0-17.3MPa, HPS 60rpm x 0.2-12.0kNm, WOB 0-90kN, Ave. ROP 48m/hr 7,171.0 - 7,210.0mBRT (243.0 - 282.0mbsf), MP 600gpm x 15.3-16.7MPa, HPS 60rpm x 0.2-11.9kNm, WOB 0-80kN, Ave. ROP 52m/hr 7,210.0 - 7,247.0mBRT (282.0 - 319.0mbsf), MP 600gpm x 15.2-15.5MPa, HPS 60rpm x 0.2-9.3kNm, WOB 0-90kN, Ave. ROP 57m/hr 7,247.0 - 7,285.0mBRT (319.0 - 357.0mbsf), MP 600gpm x 15.7-16.7MPa, HPS 60rpm x 0.2-10.6kNm, WOB 0-75kN, Ave. ROP 47m/hr 7,285.0 - 7,323.0mBRT (357.0 - 395.0mbsf), MP 600gpm x 15.4-16.6MPa, HPS 60rpm x 0.2-13.0kNm, WOB 0-100kN, Ave. ROP 57m/hr 7,323.0 - 7,362.0mBRT (395.0 - 434.0mbsf), MP 600gpm x 15.5-16.3MPa, HPS 60rpm x 0.2-14.5kNm, WOB 0-100kN, Ave. ROP 56m/hr 7,362.0 - 7,399.0mBRT (434.0 - 471.0mbsf), MP 600gpm x 15.1-16.2MPa, HPS 60rpm x 0.2-12.6kNm, WOB 0-90kN, Ave. ROP 49m/hr 7,399.0 - 7,438.0mBRT (471.0 - 510.0mbsf), MP 600gpm x 15.5-17.1MPa, HPS 60rpm x 0.2-17.3kNm, WOB 0-60kN, Ave. ROP 62m/hr 7,438.0 - 7,476.0mBRT (510.0 - 548.0mbsf), MP 600gpm x 15.7-17.2MPa, HPS 60rpm x 0.2-17.6kNm, WOB 0-95kN, Ave. ROP 58m/hr 7,476.0 - 7,514.0mBRT (548.0 - 586.0mbsf), MP 600gpm x 15.5-17.3MPa, HPS 60rpm x 0.2-16.4kNm, WOB 0-110kN, Ave. ROP 56m/hr 7,514.0 - 7,552.0mBRT (586.0 - 624.0mbsf), MP 600gpm x 15.6-18.7MPa, HPS 60rpm x 0.2-15.6kNm, WOB 0-110kN, Ave. ROP 51m/hr Observe pressure increasing and CMC going up. 7,552.0 - 7,567.0mBRT (624.0 - 639.0mbsf), MP 600gpm x 15.6-18.1MPa, HPS 60rpm x 0.2-15.9kNm, WOB 0-75kN, Ave. ROP 53m/hr
					Meanwhile, Pre-assemble 4-1/2"Float shoe x 4-1/2"TBG PJ(1m) x 4-1/2"TBG PJ(1m) x 4-1/2"TBG PJ(3m) by torque master with Weld A. Pre-assemble 4-1/2"TBG PJ(1m) x bottom pup joint of CSG hanger by torque master with Weld A. Finish installing 128ea of thermistor sensors on ropes(Duraion: Dec. 3rd - Dec.7th, 3 people x only day time). (00:00-24:00)Advisory status due to strong wind (>18m/s) and ship deviation(>5m).

From	To	Hrs.	Code	Depth(mBRT)	Detail of Operation
0:00	6:00	6:00	DRL		Drill down from 7,567.0mBRT to 7,729.0mBRT (639.0-801.0mbsf). 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
					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). (3:25) Kaiyu arrives at Chikyu.

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							
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