

Chikyu DAILY MORNING REPORT

Mission No. :CK24-01

Exp. No. :405

Report No. :74

Site NameJTCT-01AHole NameC0019N

Lat.37°56.3303'NLong.143°54.7712'ESeabed Depth :6,924.0mBRT

RT-MSL :28.5 m

Report Date :19/Nov/2024

Depth : @24:007,088.0mBRT164.0mbsf

Progress :164.0m

Drilling/Coring/Underreaming Hrs. :8.50hrs

Depth : @06:007,236.0mBRT312.0mbsf

LAST CASING :x mbsf(mBRT)

Summary of Operation on18-Nov :Continue WOW, Run UWTV, Seabed survey, Spud in C0019N, Wash down/Drill down to 7,088.0mBRT

Present Operation @ 06:00 on19-Nov :Continue to drill down to 7,236.0mBRT.

Time Breakdown ( 00:00 - 24:00 on18-Nov )

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

| From                                                                                                                                                                                                                                                                                                                                            | To    | Hrs  | Code | Depth(mBRT) | Detail of Operation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------|------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0:00                                                                                                                                                                                                                                                                                                                                            | 1:00  | 1:00 | WAIT |             | Continue WOW<br>Cold front passes through the location and change wind direction to North from South @00:30.<br>Monitor ship position keeping after cold front passage and position keeping is stable.                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 1:00                                                                                                                                                                                                                                                                                                                                            | 6:00  | 5:00 | UWTV |             | Run UWTV to 6,825.0mBRT.<br>Open RGR door and skid back BOP cart to AFT.<br>Install UWTV along drillpipe and UWTV cable to guide sheave with painting white band at 50m (single) and 100m (double).<br>Power on UWTV and check function for camera and sonar at 100mMSL.<br>Power off and Close RGR door by using Moonpool tugger at 100mMSL<br>Adjust RGR to 0.8m offset from well center.                                                                                                                                                                                                                                                                                      |
| 6:00                                                                                                                                                                                                                                                                                                                                            | 8:15  | 2:15 | SURV |             | Seabed survey<br>Lower bit with UWTV to 6,922.0mBRT.<br>Move vessel to above C0019D hole.<br>Find JFAST observatory wellhead by UWTV camera.<br>Move vessel to C0019N hole with 318.3deg, 63.0m from C0019D hole.                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 8:15                                                                                                                                                                                                                                                                                                                                            | 12:00 | 3:45 | W&R  | 6,924.0     | Spud in C0019N hole and wash down from 6,924.0mBRT to 6,974.0mBRT (0.0-50.0mbsf).<br>Tag seabed at 6,924.0mBRT.<br>Depth (mBRT (mbsf)MP (gpm x MPa)WOB (kN)Ave.ROP (m/hr)<br>6,924.0 - 6,946.0 ( 0.0 - 22.0)150 x 1.4-2.20-4019<br>6,946.0 - 6,961.0 (22.0 - 37.0)200 x 2.2-3.30-5018<br>6,961.0 - 6,964.0 (37.0 - 40.0)250 x 3.0-4.30-5018<br>6,964.0 - 6,974.0 (40.0 - 50.0)300 x 4.1-5.20-5019<br>Reciprocate string 3m every 3m advance from 6,934.0mBRT (10.0mbsf).<br>Sweep out 3m3 SWG.                                                                                                                                                                                   |
| 12:00                                                                                                                                                                                                                                                                                                                                           | 15:30 | 3:30 | UWTV | 6,924.0     | Recover UWTV to surface.<br>Skid back working cart and skid forward RGR to FWD.<br>Set RGR position at 0.4m offset and close RGR door w/installing retainer plate.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 15:30                                                                                                                                                                                                                                                                                                                                           | 24:00 | 8:30 | DRL  | 7,088.0     | Drill down 8-1/2"hole from 6,974.0mBRT to 7,088.0mBRT (50.0-164.0mbsf).<br>Sweep out 5m3 SWG every stand.<br>Reciprocate string 3m every 3m advance until 7,027.0mBRT (103.0mbsf).<br>Depth (mBRT (mbsf)MP (gpm x MPa)Torque (rpm x kNm)WOB (kN)Auto ROP (m/hr)<br>6,974.0 - 6,994.0 (50.0 - 70.0)400 x 6.5-7.430 x 0.0-4.20-3015<br>6,994.0 - 7,000.0 (70.0 - 76.0)400 x 6.7-7.530 x 0.0-4.20-3020<br>7,000.0 - 7,022.0 (76.0 - 98.0)400 x 6.7-7.830 x 0.0-4.50-3030<br>7,022.0 - 7,032.0 (98.0 - 108.0)400 x 6.7-7.830 x 0.0-4.50-3040<br>7,032.0 - 7,070.0 (108.0 - 146.0)400 x 6.2-7.840 x 0.0-6.40-3040<br>7,070.0 - 7,088.0 (146.0 - 164.0)400 x 6.5-8.040 x 0.0-5.30-3045 |
| (1:05-13:00, 17:00-24:00) Advisory due to high wind speed >18m/s.<br>(2:00-15:00) Advisory due to the vessel position over 5m deviation.<br>(5:50-8:56) Advisory for reducing accracy of APRS for accuracy of UWTV beacon.<br>(10:37-20:20) Advisory due to the problem of sensor cable of 3C (Center) azimuth thruster. Replace damaged cable. |       |      |      |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

| From | To   | Hrs. | Code | Depth(mBRT) | Detail of Operation                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|------|------|------|------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0:00 | 6:00 | 6:00 | DRL  | 7,236.0     | Continue to drill down 8-1/2"hole from 7,088.0mBRT to 7,236.0mBRT (164.0-312.0mbsf).<br>Sweep out 5m3 SWG every stand.<br>Depth (mBRT (mbsf)MP (gpm x MPa)Torque (rpm x kNm)WOB (kN)Auto ROP (m/hr)<br>7,088.0 - 7,108.5 (164.0 - 184.5)400 x 6.5-8.140 x 0.0-5.30-3045<br>7,108.5 - 7,147.0 (184.5 - 223.0)400 x 6.8-8.250 x 0.1-7.630-7050<br>7,147.0 - 7,159.0 (223.0 - 235.0)500 x 10.3-11.560 x 0.1-9.10-6050<br>7,159.0 - 7,236.0 (235.0 - 312.0)500 x 10.4-11.860 x 0.1-11.00-6055 |

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 |  |
| 7       | 8.5       | NOV | CJPC713S | -         | 312252 | 7 x 16  | 6,924.0      | 7,088.0   | 164.0 | 8.27     | 0    | 30                | 0          | 40             | 11.00 | 19.8  |      |      |   |   |      |    |  |

BHA Record @24:00

|   |        |                                                                                                                                                                                                                                                                                                                                                                            | Hook Wt. (knt) @24:00 | 7,088.0 | mBRT |
|---|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------|------|
| 9 | SD-RCB | 8-1/2"Core bit x Float valve sub x Near bit sub (w/o stabilizer) x Outer core barrel x Landing sub (w/o stabilizer) x Head sub x XO#1 x 6-3/4"Coring Collar(5std) x XO#2 x 5"DP V-150 (23stds) x XO#3 x 5"DP S-140 (66stds) x 5-1/2"DP S-140 (22stds) x XO#4 x 5-1/2"DP S-150 (27stds) x XO#5 x 5-1/2"DP UD-165 (30stds) x XO#6 x 6-5/8"DP Z-140 (7stds) 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 In | Temp Out | K+ | n | K | LGS | FIT 20/40 (mm) 0 min | 5min |
|----------|------|--------------|----|-----|----|----|------|--------------------|-----|------|----|----|-----|------|-----|-------|-----|---------|----------|----|---|---|-----|----------------------|------|
|          |      |              |    |     |    |    |      |                    |     |      |    |    |     |      |     |       |     |         |          |    |   |   |     |                      |      |

Mud Pumps : 14-P-220

| No. | Liner Size | SPM | GPM | Press. (MPa) | Ann. Vel. (m/min) |
|-----|------------|-----|-----|--------------|-------------------|
| 1   | 6"         | 40  | 200 | 8.0          | DC 5"DP           |
| 2   | 6"         |     |     |              |                   |
| 4   | 6"         | 40  | 200 |              | 112 63            |

Materials Stock on Board @24:00

| Item          | Unit | Stock | Used | Received |
|---------------|------|-------|------|----------|
| Fresh Water   | m3   | 300.0 | 73.1 | 41.5     |
| Potable Water | m3   | 258.0 | 2.0  | 0.0      |
| Drill Water   | m3   | 884.0 | 0.0  | 0        |