

Chikyu DAILY MORNING REPORT

Mission No. :CK24-01

Exp. No. :405

Report No. :23

Site NameJTCT-02AHole NameC0026ALat.37°55.6020'NLong.143°04.1280'ESeabed Depth :6,957.0 mBRTRT-MSL :28.5 mReport Date :29/Sep/2024

Depth : @24:007,405.0 mBRT448.0 mbsfProgress :0.0 mDrilling/Coring/Underreaming Hrs. :0.00 hrs

Depth : @06:007,405.0 mBRT448.0 mbsfLAST CASING :xmbsf(mBRT)

Summary of Operation on28-Sep :Continue to Work pipe.

Present Operation @ 06:00 on29-Sep :Continue to Work pipe

Time Breakdown ( 00:00 - 24:00 on28-Sep )

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

| From                                                                                                                 | To    | Hrs   | Code | Depth(mBRT) | Detail of Operation   |
|----------------------------------------------------------------------------------------------------------------------|-------|-------|------|-------------|-----------------------|
| 0:00                                                                                                                 | 24:00 | 24:00 | DRL  | 7,405.0     | Continue to Work pipe |
| (0:00-14:30)                                                                                                         |       |       |      |             |                       |
| Attempt to break string with overpull 300kN >15times with pump 590gpm x 22MPa, No success                            |       |       |      |             |                       |
| Layout stand with one single on the Hydraracker no.2 and pick up one single and connect to HPS                       |       |       |      |             |                       |
| Attempt to break string with overpull 500kN >9times with pump 590gpm x 22MPa, No success                             |       |       |      |             |                       |
| Attempt to rotate string with 20kNm w/ pump 590gpm x 22MPa, No success                                               |       |       |      |             |                       |
| Sweep 10m3 of SWG with 715gpm x 31.9MPa.                                                                             |       |       |      |             |                       |
| Attempt to jarring down and apply slack off weight 400kN >15times , No success (suspect DP above seabed is bending). |       |       |      |             |                       |
| Apply 900kN overpull and attempt to jarring up 15times w/o pump. Success to fire only one time (5th attempt).        |       |       |      |             |                       |
| Apply 1250kN overpull and attempt to jarring up >100times w/pump and w/o pump. No success.                           |       |       |      |             |                       |
| Pump Kill mud 7m3 with 600gpm x 26.5MPa. Pump SWG 7m3 and 10m3 with 600gpm x 23MPa                                   |       |       |      |             |                       |
| (14:30-18:30)                                                                                                        |       |       |      |             |                       |
| Pump and spot Release pill in the annulus 8.5m3 and soak pill for 15min                                              |       |       |      |             |                       |
| Apply <1400kN overpull and attempt to jarring up >10times w/o pump. No success.                                      |       |       |      |             |                       |
| Apply 30kNm on the string and work pipe >30times, No success                                                         |       |       |      |             |                       |
| (18:30-24:00)                                                                                                        |       |       |      |             |                       |
| Apply 1250kN overpull and attempt to jarring up >10times w/400gpm x 11.8MPa, No success.                             |       |       |      |             |                       |
| Meanwhile                                                                                                            |       |       |      |             |                       |
| Conduct fit test for CSG hanger and HART, confirm HART Lock/Unlock properly with CSG hanger                          |       |       |      |             |                       |

Time Breakdown (00:00 - 06:00 on29-Sep )

\* The data on 00:00 - 06:00 is unofficial.

| From                                                                                    | To   | Hrs. | Code | Depth(mBRT) | Detail of Operation   |
|-----------------------------------------------------------------------------------------|------|------|------|-------------|-----------------------|
| 0:00                                                                                    | 6:00 | 6:00 | SP   | 7,405.0     | Continue to Work pipe |
| (0:00-6:00)                                                                             |      |      |      |             |                       |
| Apply 1250kN overpull and attempt to jarring up >7times w/400gpm x 11.8MPa. No success. |      |      |      |             |                       |

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 |
| 2       | 8.5       | Smith | BXZ716M | -         | QG1124 | 7 x 12  | 7,340.0      | 7,405.0   | 65.0 | 54.14    |      |                   |            |                |       |       |      |      |   |   |      |    |

BHA Record @24:00

48-1/2"LWD8-1/2" Bit x 6-1/2" Mud motor x MicroScope x TeleScope x SonicScope x 6-3/4" drilling DC(1jt) x Float sub w/float x Filter sub x 6-3/4" drilling DC(3stds) x 6-1/2"H-M Jar x 6-3/4" drilling DC(1std) x XO#1 x 5" DP V-150 (24stds) x XO#2 x 5" DP S-140 (66stds) x 5-1/2" DP S-140 (22stds) x XO#3 x 5-1/2" DP S-150(26stds) x XO#4 x 5-1/2" DP UD-165 (30stds) x XO#5 x 6-5/8" DP Z-140 (7stds) x 6-

Hook Wt. (knt) @24:007,379.0 mBRT

|                           |                |       |       |     |
|---------------------------|----------------|-------|-------|-----|
| Hook Load                 | 3,880          |       |       |     |
| BHA                       | 190            |       |       |     |
| Below Jar                 | 140            |       |       |     |
| HPS & Traveling block     | 680            |       |       |     |
| CSG/TBG                   |                |       |       |     |
| Jar Rotating Time @24:00  | S/N: 474-69575 |       |       |     |
| Today                     | 0.00           | Total | 81.83 | hrs |
| Motor Pumping time @24:00 | S/N: 624094    |       |       |     |
| Today                     | 0.00           | Total | 29.53 | hrs |

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

5.00 gallon/stroke @97%

| No. | Liner Size | SPM | GPM | Press. (MPa) | Ann. Vel. (m/min) |
|-----|------------|-----|-----|--------------|-------------------|
| 1   | 6"         |     |     |              | 6"DC 5"DP         |
| 2   | 6"         | 60  | 300 | 26.5         | 151               |
| 4   | 6"         | 60  | 300 |              | 95                |

Materials Stock on Board @24:00

| Item          | Unit | Stock   | Used | Received |
|---------------|------|---------|------|----------|
| Fresh Water   | m3   | 329.5   | 57.0 | 36.6     |
| Potable Water | m3   | 282.0   | 2.5  | 0.0      |
| Drill Water   | m3   | 1,580.0 | 0.0  | 0.0      |
| Fuel          | m3   | 6,058.6 | 43.1 | 0.0      |
| Lube Oil      | Ltrs | 129,400 | 0.0  | 0.0      |
| Heli Fuel     | Ltrs | 0.0     | 0.0  | 0.0      |

Personnel @24:00

|                  |     |
|------------------|-----|
| MarE3            | 7   |
| MQJ Crew         | 97  |
| MWJ              | 11  |
| Scientist        | 25  |
| LSS              | 3   |
| Outreach         | 4   |
| JAMSTEC PR       | 1   |
| Akita University | 1   |
| Sub-contractor   |     |
| WL               |     |
| SLB-LWD          | 4   |
| Expro            |     |
| NuStar           | 3   |
| Total            | 156 |

Mud Materials on Board @24:00hrs

(unit: kg)

| Item         | Received | Used | Stock   |
|--------------|----------|------|---------|
| Barite       |          |      | 76,000  |
| Tel-Gel      |          |      | 208,000 |
| Caustic soda |          |      | 9,025   |
| Lime         |          |      | 8,960   |
| Flowzan      |          |      | 25      |

Mud volume

|               |     |
|---------------|-----|
| PHG (m3)      | 219 |
| Kill mud (m3) | 50  |
| SWG (m3)      | 116 |
| Pre-Mix (m3)  | 49  |

Marine Information @24:00

|                      |       |
|----------------------|-------|
| Heave (m)            | 0.9   |
| Pitch (deg)          | 0.6   |
| Roll (deg)           | 0.3   |
| Vessel Heading (deg) | 040   |
| Riser Tension (kN)   | -     |
| V.D. Load (ton)      | 14867 |
| Max Draught (m)      | 9     |