

# AND PROFESSIONAL SAFETY LIMITED

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## CERTIFICATE OF INSPECTION FOR 5 1/2" HWDP

|                                                   |                                                                                                                             |                            |                                                                                                      |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|----------------------------|------------------------------------------------------------------------------------------------------|
| <b>Client Name:</b>                               | <b>DAQING DRILLING</b>                                                                                                      | <b>Report No.:</b>         | DQ1202-QC-24-04-RS-003                                                                               |
| <b>Acceptance Creater:</b>                        | DS-1 Fifth Edition, Volume 3 CAT 3-5                                                                                        | <b>Date of Inspection:</b> | 27.APRIL.2024                                                                                        |
| <b>Work Location:</b>                             | (RU-607)                                                                                                                    | <b>Rig No.:</b>            | DQ-1202                                                                                              |
| <b>Test Equipment &amp; Consumeable Details</b>   |                                                                                                                             |                            |                                                                                                      |
| WHITE CONTRAST WCP-2                              | Batch #: 220602 Manufacture: Magnaflux<br>Exp Date: JUN.2025                                                                | TECHNICAL DETAILS          | Wet Visible Continuous                                                                               |
| BLACK INK 7HF                                     | Batch#: 220605 Manufacture: Magnaflux<br>Exp Date: JULY.2025                                                                | COIL(1200 AMP-TURNS/IN     | SC 22713 Cal.15.FEB.2024<br>Cal Due14.AUG.2024                                                       |
| FLUORESCENT 14HF                                  | Batch #: 220306 Manufacture: Magnaflux<br>Exp Date: March.2025                                                              | A.C HAND YOKE              | 201504053 Cal.15.FEB.2024<br>Cal Due14.AUG.2024                                                      |
| INTENSITY METER                                   | SR#1608000134 CAL.Date Cal. 15.FEB.2024<br>Cal Due 14.AUG.2024                                                              | UV BLACK LIGHT             | SR#1900084 Cal.15.FEB.2024<br>Cal Due14.AUG.2024                                                     |
| LEAD GAGE                                         | SR#AH07KF0027 GAEMAKER LG-5003<br>Cal. 13.FEB.2024<br>Cal Due 12.AUG.2024                                                   | THREAD PROFILE GAGE        | SR#21336 Cal. 13.FEB.2024<br>Cal Due 12.AUG.2024<br>SR#21335 Cal. 15.FEB.2024<br>Cal Due 14.AUG.2024 |
| Magnetic Partical Concentration 7 HF              | 1.2 TO 2.4 ML/100 ML                                                                                                        | WMPT Light Intensity       | 3150 Lux                                                                                             |
| Magnetic particle concentration<br>flourent 14 HF | 0.1 TO 0.4 ML/100 ML                                                                                                        | UV LIGHT INTENSITY:        | 2900µw/cm <sup>2</sup>                                                                               |
| Magnetism Direction (Longitudinal)                |                                                                                                                             |                            |                                                                                                      |
| <b>METHODOLOGY:</b>                               | Through Visual inspection<br>• Dimensional • MPI inspection with Ultraviolet light<br>Heat Checking Thread Profile Gauging. |                            |                                                                                                      |
| <b>Connection:</b>                                | <b>5 1/2"FH</b>                                                                                                             | <b>Size:</b>               | <b>5 1/2"</b>                                                                                        |

| Serial No.  | Visual Inspection |     |                                                                                                                             |    | Black Light |     | Dimensional 3 Inspection |         |            |            |              |           |         |           |           |           |           |              |        |                 |                 |                   |  |
|-------------|-------------------|-----|-----------------------------------------------------------------------------------------------------------------------------|----|-------------|-----|--------------------------|---------|------------|------------|--------------|-----------|---------|-----------|-----------|-----------|-----------|--------------|--------|-----------------|-----------------|-------------------|--|
|             |                   |     |                                                                                                                             |    |             |     | Pin                      |         |            |            |              |           | Box     |           |           |           |           |              |        | Body            |                 |                   |  |
|             | Pin               | Box | Body                                                                                                                        | HB | Pin         | Box | OD (in)                  | ID (in) | SRG ϕ (in) | SRG λ (in) | Bevel ϕ (in) | pinλ (in) | OD (in) | CB ϕ (in) | CB δ (in) | BB ϕ (in) | BB δ (in) | Bevel ϕ (in) | Seal ∅ | Pin Tong λ (in) | Box Tong λ (in) | Center Pad ϕ (in) |  |
| 231477      | Acc               | Acc | Acc                                                                                                                         | √  | Acc         | Acc | 7"                       | 4"      | 5 7/32"    | 1"         | 6 ¾"         | 5"        | 7"      | 5 29/32"  | 5/8"      | 5 8/64"   | 8 ½"      | 6 1/16"      | 17/32" | 17 ½"           | 16 7/8"         | 6"                |  |
| 231491      | Acc               | Acc | Acc                                                                                                                         | √  | Acc         | Acc | 7"                       | 4"      | 5 7/32"    | 1"         | 6 ¾"         | 5"        | 7"      | 5 29/32"  | 5/8"      | 5 8/64"   | 8 ½"      | 6 1/16"      | 17/32" | 117 5/8"        | 16 ¾"           | 6"                |  |
|             |                   |     |                                                                                                                             |    |             |     |                          |         |            |            |              |           |         |           |           |           |           |              |        |                 |                 |                   |  |
|             |                   |     |                                                                                                                             |    |             |     |                          |         |            |            |              |           |         |           |           |           |           |              |        |                 |                 |                   |  |
|             |                   |     |                                                                                                                             |    |             |     |                          |         |            |            |              |           |         |           |           |           |           |              |        |                 |                 |                   |  |
|             |                   |     |                                                                                                                             |    |             |     |                          |         |            |            |              |           |         |           |           |           |           |              |        |                 |                 |                   |  |
| Conclusion: |                   |     | The Above Mentioned 5 ½" Heavy Weight Drill Pipe was Found Acceptable from Both Side at time of Inspection. (Ready to use). |    |             |     |                          |         |            |            |              |           |         |           |           |           |           |              |        |                 |                 |                   |  |

### Abbreviations :

|                                   |                               |                                 |                         |                          |                           |
|-----------------------------------|-------------------------------|---------------------------------|-------------------------|--------------------------|---------------------------|
| <b>OD</b> Outside Diameter        | <b>ID</b> Inside Diameter     | <b>SRG</b> Stress Relief Groove | <b>CB</b> Counter Bore  | <b>BB</b> Bore Back      | <b>FB</b> Float Bore      |
| <b>ϕ</b> Diameter                 | <b>λ</b> Length               | <b>σ</b> Width                  | <b>δ</b> Depth          | <b>NP.</b> Not Present   | <b>NA.</b> Not Applicable |
| <b>EGR</b> Elevator Groove Recess | <b>SGR</b> Slip Groove Recess | <b>CR</b> Crack                 | <b>B</b> Bent           | <b>PC</b> Premium Class  | <b>RF</b> Reface          |
| <b>GT</b> Galled Thread           | <b>TP</b> Thread Pitting      | <b>SP</b> Seal Pitting          | <b>TD</b> Thread Damage | <b>SD</b> Seal Damage    | <b>M</b> Mashed           |
| <b>1</b> 100 % Coating            | <b>2</b> 99-71 % Coating      | <b>3</b> 70-40 % Coating        | <b>4</b> Up to 40 %     | <b>5</b> Nil             | <b>WT</b> Wall Thickness  |
| <b>Colors Code:</b>               | <b>White</b> No Defects       | <b>Red</b> Crack or Extreme     | <b>Blue</b> Damage      | <b>Green</b> Seal Damage | <b>Yellow</b> ACFM        |

|                         |                          |                    |                    |                                         |                            |
|-------------------------|--------------------------|--------------------|--------------------|-----------------------------------------|----------------------------|
| <b>Inspector Name:</b>  | <b>Review By</b>         |                    |                    |                                         |                            |
| <b>Qualification:</b>   | <b>Senior Inspector:</b> | M.FAHAD            | <b>Supervisor:</b> | WAQAS AWAN                              | <b>Customer Name:</b>      |
| <b>Signature:</b>       |                          |                    |                    |                                         | <b>Customer Signature:</b> |
| Original - Client Files |                          | Copy - Area Office |                    | QC/FN/DJ-PB/029 Rev.00 dated 07.Nov2021 |                            |

