



# BOTTOM HOLE ASSURANCE, INC.

Blacklight, Ultrasonic Wall Thickness,  
& Liquid Penetrant Inspection

No. IR **60822TT-1**

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| CUSTOMER<br>HALLIBURTON ICC |              | 3rd PARTY<br><input type="checkbox"/> | FACILITY / LOCATION<br>TEST TOOLS | AUTHORIZED BY<br>BOBBY CHOATE |                                  | INVOICE NO.      |        |      |
|-----------------------------|--------------|---------------------------------------|-----------------------------------|-------------------------------|----------------------------------|------------------|--------|------|
| RIG                         |              | OCS-G & WELL NO.                      |                                   | PROJECT<br>IN HOUSE           | P.O. NO. / JOB NO.<br>1017510022 | DATE<br>6/8/2022 |        |      |
| SERIAL NO.                  | DESCRIPTION  |                                       | PIN                               | BOX                           | I.D.                             | O.D.             | LENGTH |      |
| 1                           | EQ# 10254535 | 5" DRAIN VALVE ASSEMBLY               |                                   |                               |                                  |                  |        |      |
| 2                           | BAC20A0952-1 | DRAIN VALVE HOUSING - ACC             |                                   | 3 7/8" CAS - ACC              | INT (P) - ACC                    | 2 1/4            | 5      | 2.57 |
| 3                           |              | SAP# 100066903                        |                                   |                               |                                  |                  |        |      |
| 4                           | B014765-5    | DRAIN VALVE SLEEVE - ACC              |                                   | INT - ACC                     |                                  |                  |        |      |
| 5                           |              | SAP# 100066893                        |                                   |                               |                                  |                  |        |      |
| 6                           | B1492380-5   | NUT - ACC                             |                                   |                               | INT - ACC                        |                  |        |      |
| 7                           |              | SAP# 100066894                        |                                   |                               |                                  |                  |        |      |
| 8                           | 41499-6      | TOP ADAPTER - ACC                     |                                   | INT (B) - ACC                 | 3 7/8" CAS - ACC                 | 2 1/4            | 5      | 1.00 |
| 9                           |              | SAP# 100066902                        |                                   |                               |                                  |                  |        |      |
| 10                          |              |                                       |                                   |                               |                                  |                  |        |      |
| 11                          |              |                                       |                                   |                               |                                  |                  |        |      |
| 12                          |              |                                       |                                   |                               |                                  |                  |        |      |
| 13                          |              |                                       |                                   |                               |                                  |                  |        |      |
| 14                          |              |                                       |                                   |                               |                                  |                  |        |      |
| 15                          |              |                                       |                                   |                               |                                  |                  |        |      |
| 16                          |              |                                       |                                   |                               |                                  |                  |        |      |
| 17                          |              |                                       |                                   |                               |                                  |                  |        |      |
| 18                          |              |                                       |                                   |                               |                                  |                  |        |      |
| 19                          |              |                                       |                                   |                               |                                  |                  |        |      |
| 20                          |              |                                       |                                   |                               |                                  |                  |        |      |
| 21                          |              |                                       |                                   |                               |                                  |                  |        |      |
| 22                          |              |                                       |                                   |                               |                                  |                  |        |      |
| 23                          |              |                                       |                                   |                               |                                  |                  |        |      |
| 24                          |              |                                       |                                   |                               |                                  |                  |        |      |
| 25                          |              |                                       |                                   |                               |                                  |                  |        |      |
| 26                          |              |                                       |                                   |                               |                                  |                  |        |      |
| 27                          |              |                                       |                                   |                               |                                  |                  |        |      |
| 28                          |              |                                       |                                   |                               |                                  |                  |        |      |
| 29                          |              |                                       |                                   |                               |                                  |                  |        |      |
| 30                          |              |                                       |                                   |                               |                                  |                  |        |      |
| 31                          |              |                                       |                                   |                               |                                  |                  |        |      |
| 32                          |              |                                       |                                   |                               |                                  |                  |        |      |
| 33                          |              |                                       |                                   |                               |                                  |                  |        |      |
| 34                          |              |                                       |                                   |                               |                                  |                  |        |      |
| 35                          |              |                                       |                                   |                               |                                  |                  |        |      |
| 36                          |              |                                       |                                   |                               |                                  |                  |        |      |
| 37                          |              |                                       |                                   |                               |                                  |                  |        |      |
| 38                          |              |                                       |                                   |                               |                                  |                  |        |      |
| 39                          |              |                                       |                                   |                               |                                  |                  |        |      |
| 40                          |              |                                       |                                   |                               |                                  |                  |        |      |

**SUMMARY:** FULL BODY INSP. BSM-GOM-HAL-TT-201 REV. 5

| Batch # Info.  | Connection Inspection                                 |  | Body Inspection                                       |  | Body Dry M.P.I                        |                                     |
|----------------|---|--|---|--|---------------------------------------|-------------------------------------|
| 20-B 20B065    | Wet Flour. M.P.I. <input checked="" type="checkbox"/> | Dry M.P.I. <input type="checkbox"/>            | Wet Flour. M.P.I. <input checked="" type="checkbox"/> | Residual <input type="checkbox"/>              | Dry M.P.I. <input type="checkbox"/>   | Residual <input type="checkbox"/>   |
| Dry Powder     | Vis. Liq. Pen. <input type="checkbox"/>               | Residual <input type="checkbox"/>              | Vis. Liq. Pen. <input type="checkbox"/>               | Continuous <input checked="" type="checkbox"/> | Long. Insp. <input type="checkbox"/>  | Continuous <input type="checkbox"/> |
| 7-HF           | Flour Liq. Pen. <input type="checkbox"/>              | Continuous <input checked="" type="checkbox"/> | Flour Liq. Pen. <input type="checkbox"/>              | AC Current <input type="checkbox"/>            | Trans. Insp. <input type="checkbox"/> | AC Current <input type="checkbox"/> |
| White Contrast | Long. Insp. <input checked="" type="checkbox"/>       | AC Current <input type="checkbox"/>            | Long. Insp. <input checked="" type="checkbox"/>       | DC Current <input checked="" type="checkbox"/> |                                       | DC Current <input type="checkbox"/> |
| 14-A           | Trans. Insp. <input checked="" type="checkbox"/>      | DC Current <input checked="" type="checkbox"/> | Trans. Insp. <input checked="" type="checkbox"/>      | Visible M.P.I. <input type="checkbox"/>        |                                       |                                     |

System Effectiveness: LP-Comparitive Block  Dry MP-Castrol Strip  Wet MP-Castrol Strip

| Blacklight Inspection  | Equipment / Inspector Information   |
|--|---|
| Blacklight Intensity: <u>3085</u> Bath Mixture: <u>0.25</u> Whitelight: <u>0.1</u>   | Equipment Used From Unit # <u>13</u><br>Qual. Date(s) MT <u>7/21/2019</u> PT <u>9/21/2021</u> |
| <b>Liquid Penetrant Inspection</b><br>Whitelight: _____<br>Magnaflux Developer: SKD-S2 Magnaflux Penetrant: <input type="checkbox"/> SKL-WP2 (Check one) <input type="checkbox"/> ZL-60D<br>Batch # _____ Batch # _____<br>Dwell Time: _____ min Dwell Time: _____ min | 3rd Party Rep: _____<br>Signature: _____<br>Level II Inspector: RIDGE ALBERT<br>Signature:    |
| <b>Job Information</b><br>B _____ RA _____ V _____ RA _____ D _____ P _____ RA _____   | Signature guarantees final walk thru of job and job site                                      |