# BOTTOM HOLE ASSURANCE, INC.

*Blacklight, Ultrasonic Wall Thickness,*
*& Liquid Penetrant Inspection*

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No. IR **61722TT-5**

| CUSTOMER | 3rd PARTY | FACILITY / LOCATION | AUTHORIZED BY | INVOICE NO. |
|---|---|---|---|---|
| HALLIBURTON ICC | ☐ | TEST TOOLS | BOBBY CHOATE | |

| RIG | OCS-G & WELL NO. | PROJECT | P.O. NO. / JOB NO. | DATE |
|---|---|---|---|---|
| | | IN HOUSE | 1017510022 | 6/17/2022 |

| | SERIAL NO. | DESCRIPTION | PIN | BOX | I.D. | O.D. | LENGTH |
|---|---|---|---|---|---|---|---|
| 1 | EQ# 12531713 | 5" BIG JOHN JAR | | | | | |
| 2 | 3179315-1 | TOP COUPLING - ACC | INT (B) - ACC | 3 7/8" CAS - ACC | 2 1/4 | 5 | 0.98 |
| 3 | | SAP# 100066624 | | | | | |
| 4 | BAC20A1552-1 | SPLINED HOUSING - ACC | INT - ACC | | | | |
| 5 | | SAP# 100066622 | | | | | |
| 6 | 3990647 | IMPACT MANDREL - ACC | INT - ACC | INT - ACC | | | |
| 7 | | SAP# 100066605 | | | | | |
| 8 | BBM215867.1 | CASE - ACC | | INT x INT - ACC | | | |
| 9 | | SAP# 100066625 | | | | | |
| 10 | 4039634 | METERING SLEEVE - ACC | | | | | |
| 11 | | SAP# 100066616 | | | | | |
| 12 | C3875633-1 | METERING NUT - (ALL ACCESSIBLE AREAS) ACC | | | | | |
| 13 | | SAP# 100066608 | | | | | |
| 14 | C-4319988-1 | EQUALIZING PRESSURE PISTON - ACC | | | | | |
| 15 | | SAP# 100066609 | | | | | |
| 16 | BAC21A1677-1 | LOWER MANDREL - ACC | | INT - ACC | | | |
| 17 | | SAP# 100066618 | | | | | |
| 18 | B3487021-3 | BOTTOM NIPPLE - ACC | 3 7/8" CAS x INT - ACC | | 2 1/4 | 5 | 1.31 |
| 19 | | SAP# 100066626 | | | | | |
| 20 | BAC1841504-1 | ADJUSTMENT METER CONE - (ALL ACCESSIBLE AREAS) ACC | INT x INT - ACC | | | | |
| 21 | | SAP# 100066617 | | | | | |
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**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. | ☑ | Dry M.P.I. | ☐ | Wet Flour. M.P.I. | ☑ | Residual | ☐ | Dry M.P.I. | ☐ | Residual | ☐ |
| Dry Powder | | Vis. Liq. Pen. | ☐ | Residual | ☐ | Vis. Liq. Pen. | ☐ | Continuous | ☑ | Long. Insp. | ☐ | Continuous | ☐ |
| 7-HF | | Flour Liq. Pen. | ☐ | Continuous | ☑ | Flour Liq. Pen. | ☐ | AC Current | ☐ | Trans. Insp. | ☐ | AC Current | ☐ |
| White Contrast | | Long. Insp. | ☑ | AC Current | ☐ | Long. Insp. | ☑ | DC Current | ☑ | | | DC Current | ☐ |
| 14-A | | Trans. Insp. | ☑ | DC Current | ☑ | Trans. Insp. | ☑ | Visible M.P.I. | ☐ | | | | |

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

**Blacklight Inspection**

Blacklight Intensity: 1651 Bath Mixture: 0.25 Whitelight: 0.1

**Liquid Penetrant Inspection**

Whitelight: _____

Magnaflux Developer: SKD-S2

Magnaflux Penetrant: (Check one) ☐ SKL-WP2 ☐ ZL-60D

Batch # _____ Batch # _____

Dwell Time: _____ min Dwell Time: _____ min

**Job Information**

B RA V RA D _____ P RA

**Equipment / Inspector Information**

Equipment Used From Unit # 13

Qual. Date(s) MT 7/21/2019 PT 9/21/2021

3rd Party Rep: _____

Signature: _____

Level II Inspector: RIDGE ALBERT

Signature: _____

Signature guarantees final walk thru of job and job site



**REVIEWED**
*By David Patin at 3:15 pm, Jun 17, 2022*