

# BOTTOM HOLE ASSURANCE, INC.

Blacklight, Ultrasonic Wall Thickness,  
& Liquid Penetrant Inspection

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CUSTOMER **HOLE OPENER INTERNATIONAL**  3RD PARTY  
RIG \_\_\_\_\_  
OCS-G & WELL \_\_\_\_\_

FACILITY / LOCATION **SHOP**  
PROJECT **Australian Integrated Services / RA 10145**

AUTHORIZED BY **DONOVAN**  
P.O. / JOB # **103099**

INVOICE NO. **43010**  
DATE: **3/31/2021**

| Serial #               | Tool Description  | Overall Length | Fishing Neck Length | Tong Space | Pin I.D. | Pin O.D. | Box O.D. | Connection Size | PIN        |                     |                   |                     |                              |                |        |                | Remarks   | Connection Size | BOX     |                     |                       |                                |                                |                   |                            |                |         |                |         |  |
|------------------------|-------------------|----------------|---------------------|------------|----------|----------|----------|-----------------|------------|---------------------|-------------------|---------------------|------------------------------|----------------|--------|----------------|-----------|-----------------|---------|---------------------|-----------------------|--------------------------------|--------------------------------|-------------------|----------------------------|----------------|---------|----------------|---------|--|
|                        |                   |                |                     |            |          |          |          |                 | Pin Length | Pin Relief Diameter | Pin Nose Diameter | Pin Relief Diameter | Pin Rel. Width Pin Neck Lgth | Bayel Diameter | B S R  | OK or Rejected |           |                 | Remarks | Counter Bore Length | Counter Bore Diameter | Bore Back Dia. Float Bore Dia. | Bore Back Lgth Float Bore Lgth | Box Thread Length | Countersink Wall Thickness | Bayel Diameter | B S R   | OK or Rejected | Remarks |  |
| DDT-12-425-3           | UNDER REAMER BODY | 2.67           | 14"                 |            | N/A      |          | 3 3/4    | INT (B)         |            |                     |                   |                     |                              |                |        | OK             | 2 7/8 REG | 11/16           | 3 1/8   |                     |                       |                                |                                |                   |                            |                | 3 11/16 | N/A            | OK      |  |
| TS-15-425-1            | TOP SUB           | 1.63           |                     | 17"        | 1 1/8    | 3 3/4    |          | 2 7/8 REG       | 3 7/16     |                     |                   |                     |                              | 5/16           | 3 9/16 | 2.850 *        | OK        |                 | INT (P) |                     |                       |                                |                                |                   |                            |                |         |                | OK      |  |
| 08-425-003-003         | ACTUATOR          |                |                     |            |          |          |          |                 |            |                     |                   |                     |                              |                |        |                | OK        |                 |         |                     |                       |                                |                                |                   |                            |                |         |                |         |  |
| 08-425-004-001         | FLOW TUBE         |                |                     |            |          |          |          |                 |            |                     |                   |                     |                              |                |        |                | OK        |                 |         |                     |                       |                                |                                |                   |                            |                |         |                |         |  |
| N/A                    | HINGE PIN (3)     |                |                     |            |          |          |          |                 |            |                     |                   |                     |                              |                |        |                | OK (3)    |                 |         |                     |                       |                                |                                |                   |                            |                |         |                |         |  |
| 05-425-65D-004,005,006 | CUTTER ARM (3)    |                |                     |            |          |          |          |                 |            |                     |                   |                     |                              |                |        |                | OK (3)    |                 |         |                     |                       |                                |                                |                   |                            |                |         |                |         |  |
| DDT-12-425-4           | UNDER REAMER BODY | 2.66           | 13 5/8"             |            | N/A      |          | 3 3/4    | INT (B)         |            |                     |                   |                     |                              |                |        |                | OK        | 2 7/8 REG       | 5/8     | 3 1/8               |                       |                                |                                |                   |                            | 3 9/16         | N/A     | OK             |         |  |
| TS-12-425-4            | TOP SUB           | 1.60           |                     | 14 7/8"    | 1 1/8    | 3 3/4    |          | 2 7/8 REG       | 3 7/16     |                     |                   |                     |                              | 5/16           | 3 9/16 | 2.850 *        | OK        |                 | INT (P) |                     |                       |                                |                                |                   |                            |                |         |                | OK      |  |
| 08-425-003-002         | ACTUATOR          |                |                     |            |          |          |          |                 |            |                     |                   |                     |                              |                |        |                | OK        |                 |         |                     |                       |                                |                                |                   |                            |                |         |                |         |  |
| 08-425-004-002         | FLOW TUBE         |                |                     |            |          |          |          |                 |            |                     |                   |                     |                              |                |        |                | OK        |                 |         |                     |                       |                                |                                |                   |                            |                |         |                |         |  |
| 08-425-025-003,004,005 | HINGE PIN (3)     |                |                     |            |          |          |          |                 |            |                     |                   |                     |                              |                |        |                | OK (3)    |                 |         |                     |                       |                                |                                |                   |                            |                |         |                |         |  |
| 08-425-65D-003,001,002 | CUTTER ARM (3)    |                |                     |            |          |          |          |                 |            |                     |                   |                     |                              |                |        |                | OK (3)    |                 |         |                     |                       |                                |                                |                   |                            |                |         |                |         |  |

Remarks: **FULL BODY INSP AS PER DS-1 VOL 4**

Customer Rep Signoff: \_\_\_\_\_

| Batch # Info.          |        | Connection Inspection |                                     | Body Inspection      |                                     | Body Dry M.P.I.          |                                     | Blacklight Inspection |                                     |                      | Liquid Penetrant Inspection         |            |  |   |                                 |                        |                             |
|------------------------|--------|-----------------------|-------------------------------------|----------------------|-------------------------------------|--------------------------|-------------------------------------|-----------------------|-------------------------------------|----------------------|-------------------------------------|------------|--|---|---------------------------------|------------------------|-----------------------------|
| 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 checked="" type="checkbox"/> | Residual   | <input type="checkbox"/>                                 | Blacklight Intensity: <u>5371</u>           | Bath Saturation: <u>0.25</u>    | Whitelight: <u>0.1</u> | Magnaflux Developer: SKD-S2 |
| Dry Powder             | 130531 | Vis. Liq. Pen.        | <input type="checkbox"/>            | Residual             | <input type="checkbox"/>            | Vis. Liq. Pen.           | <input type="checkbox"/>            | Continuous            | <input checked="" type="checkbox"/> | Long Insp            | <input checked="" type="checkbox"/> | Continuous | <input checked="" type="checkbox"/>                      | Equipment / Inspector Information           |                                 |                        | Batch # _____               |
| 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 checked="" type="checkbox"/>                      | Equipment Used From Unit #                  | <u>25</u>                       | Dwell Time _____ min   |                             |
| White Contrast         |        | Long Insp             | <input type="checkbox"/>            | AC Current           | <input type="checkbox"/>            | Long Insp                | <input type="checkbox"/>            | DC Current            | <input checked="" type="checkbox"/> | Qual Date(s)         | MT <u>5/6/2019</u>                  | PT _____   | White Light _____  | Level II Inspector: <b>TANNER BLANCHARD</b> |                                 |                        | White Light _____           |
| 14-A                   |        | Trans Insp            | <input checked="" type="checkbox"/> | DC Current           | <input checked="" type="checkbox"/> | Trans Insp               | <input type="checkbox"/>            | Visible M.P.I.        | <input type="checkbox"/>            | Signature: _____     |                                     |            | Magnaflux Penetrant (Check one)                          | <input type="checkbox"/> SKL-WP2            | <input type="checkbox"/> ZL-60D | Batch # _____          |                             |
| System Effectiveness:  |        | LP-Comparative Block  | <input type="checkbox"/>            | Dry MP-Castrol Strip | <input checked="" type="checkbox"/> | Wet MP-Castrol Strip     | <input checked="" type="checkbox"/> | Profile Gage RSC      | <input checked="" type="checkbox"/> | 3rd Party Rep: _____ |                                     |            | Dwell Time _____ min                                     |   |                                 |                        |                             |
| <b>Job Information</b> |        | B _____ TB _____      |                                     | V _____ TB _____     |                                     | D _____ P _____ TB _____ |                                     | Signature: _____      |                                     | Signature: _____     |                                     |            | Signature guarantees final walk thru of job and job site |   |                                 |                        |                             |