



# B O T T O M   H O L E   A S S U R A N C E ,   I N C .

Blacklight, Ultrasonic Wall Thickness,  
& Liquid Penetrant Inspection

No. IR **51822TT-6**

Email: BHAInc@bottomholeassurance.com  
109 Citron Drive • Youngsville, LA 70592

Office: (337) 857-8994    Fax: (337) 857-8964

CUSTOMER HALLIBURTON ICC		3rd PARTY <input type="checkbox"/>	FACILITY / LOCATION TEST TOOLS	AUTHORIZED BY BOBBY CHOATE		INVOICE NO.		
RIG		OCS-G & WELL NO.		PROJECT ARENA	P.O. NO. / JOB NO. 907644927	DATE 5/18/2022		
SERIAL NO.	DESCRIPTION		PIN	BOX	I.D.	O.D.	LENGTH	
1	EQ# 10255587	5" DT OMNI						
2	B304210-1	NITROGEN MANDREL - ACC		INT - ACC				
3		SAP# 100065911						
4	BAC20A1200-1	NITROGEN CASE - ACC			INT x INT - ACC			
5		SAP# 100065910						
6	BAS1882	FLOATING PISTON - ACC						
7		SAP# 100065961						
8	ABX1340723-15	FLOATING PISTON - ACC						
9		SAP# 100065961						
10	AFJ133430-1	NUT CHECK - ACC		INT - ACC				
11		SAP# 100065966						
12	B3406349-1	LONG RATCHET - (LP) ACC			INT - ACC			
13		SAP# 101483056						
14	AHY1811745-1	OPERATING MANDREL - ACC		INT x INT - ACC				
15		SAP# 100065965						
16	293884-3	OPERATING CASE - ACC		INT - ACC	INT - ACC			
17		SAP# 100065916						
18	BAC20A0441-2	OIL CASE - ACC			INT x INT - ACC			
19		SAP# 100065913						
20	BAS2032	SEALING NIPPLE - ACC		INT x INT - ACC				
21		SAP# 100065962						
22	BAC20A0376-2	CIRCULATING CASE - ACC		INT - ACC	INT - ACC			
23		SAP# 100065914						
24	B3752844-2	CIRCULATING PORT - ACC		INT - ACC	INT - ACC			
25		SAP# 101762732						
26	ZU1519736-21	SPRING FINGER - ACC		INT - ACC				
27		SAP# 101666471						
28	C4320014-3	SEAT HOLDER - ACC		INT - ACC				
29		SAP# 101834007						
30	C-4385877-1	BALL & SEAT - (LP) ACC						
31		SAP# 100065973						
32	B34162-1	BALL VALVE CAGE - ACC			INT - ACC			
33		SAP# 102313157						
34	3546749-2	BALL VALVE CASE - ACC			INT - ACC			
35		SAP# 100065955						
36	249994-1	BTM ADAPTER - ACC		3 7/8 CAS - ACC	INT - ACC	2 3/8	5"	0.94
37		SAP# 100065935						
38	AKV139144-4	CONNECTOR - ACC			INT - ACC			
39		SAP# 101666472						
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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. <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 checked="" type="checkbox"/>	Residual <input type="checkbox"/>	Vis. Liq. Pen. <input checked="" 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>3161</u> Bath Mixture: <u>0.25</u> Whitelight: <u>0.1</u>	Equipment Used From Unit # <u>13</u> Qual. Date(s)    MT <u>7/21/2019</u> PT <u>9/21/2021</u>
<b>Liquid Penetrant Inspection</b> Whitelight: <u>100.0</u>	3rd Party Rep: _____
Magnaflux Developer: SKD-S2    Magnaflux Penetrant: <input checked="" type="checkbox"/> SKL-WP2 (Check one) <input type="checkbox"/> ZL-60D	Signature: _____
Batch # <u>19F16K</u> Batch # <u>19D07K</u>	Level II Inspector: <u>RIDGE ALBERT</u>
Dwell Time: <u>10</u> min    Dwell Time: <u>20</u> min	Signature:
<b>Job Information</b> B <u>RA</u> V <u>RA</u> D <u>RA</u> P <u>RA</u>	Signature guarantees final walk thru of job and job site



# BOTTOM HOLE ASSURANCE, INC.

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Office: (337) 857-8994 Fax: (337) 857-8964

CUSTOMER HALLIBURTON ICC		3rd PARTY <input type="checkbox"/>	FACILITY / LOCATION TEST TOOLS	AUTHORIZED BY BOBBY CHOATE		INVOICE NO.		
RIG		OCS-G & WELL NO.		PROJECT ARENA	P.O. NO. / JOB NO. 907644927	DATE 5/18/2022		
SERIAL NO.	DESCRIPTION		PIN	BOX	I.D.	O.D.	LENGTH	
1	EQ# 1025587	5" DT OMNI						
2	BAC20A0336-2	RD NIPPLE - ACC		INT X INT - ACC				
3		SAP# 100065958						
4	AFR1222300-7	LOCK CONNECTOR - ACC						
5		SAP# 100065950						
6	C3866557-3	OPERATING VALVE BODY -- ACC						
7		SAP# 102569123						
8	3386202-2	ROTATING MANDREL - ACC						
9		SAP# 102569121						
10	B1895071-2,4	OPERATING PIN - ACC						
11		SAP# 100066677			INT - ACC			
12	BAC20A0635-1	CICULATING MANDREL - ACC						
13		SAP# 101762221						
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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. <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 checked="" 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>2183</u> Bath Mixture: <u>0.25</u> Whitelight: <u>0.1</u>	Equipment Used From Unit # <u>13</u> Qual. Date(s) MT <u>7/21/2019</u> PT <u>9/21/2021</u>
<b>Liquid Penetrant Inspection</b> Whitelight: <u>100.0</u> Magnaflux Developer: SKD-S2 Magnaflux Penetrant: <input checked="" type="checkbox"/> SKL-WP2 (Check one) <input type="checkbox"/> ZL-60D Batch # <u>19F16K</u> Batch # <u>19D07K</u> Dwell Time: <u>10</u> min Dwell Time: <u>20</u> min	3rd Party Rep: _____ Signature: _____ Level II Inspector: RIDGE ALBERT Signature:
<b>Job Information</b> B <u>RA</u> V <u>RA</u> D <u>RA</u> P <u>RA</u>	Signature guarantees final walk thru of job and job site