



BOTTOM HOLE ASSURANCE, INC.

Blacklight, Ultrasonic Wall Thickness,
& Liquid Penetrant Inspection

No. IR **63022CWP-1**

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 CLEAN WELL		AUTHORIZED BY TONY FREDRICK		INVOICE NO.	
RIG		OCS-G & WELL NO.		PROJECT		P.O. NO. / JOB NO.		DATE 6/30/2022
SERIAL NO.	DESCRIPTION		ACC / REJ.	SERIAL NO.	DESCRIPTION		ACC / REJ.	
1	4510070526507	SPLIT HALF	ACC	41	12080807	STABILIZER	ACC	
2	45100705260607	SPLIT HALF	ACC	42	45087854400101	STABILIZER	ACC	
3	45100705260605	SPLIT HALF	ACC	43	45140597060608	655240 BLADE	ACC	
4	45100705260608	SPLIT HALF	ACC	44	45140597060605	655240 BLADE	ACC	
5	451038028812	STABILIZER	ACC	45	45132995510303	655240 BLADE	ACC	
6	451201662615	STABILIZER	ACC	46	45132995510307	655240 BLADE	ACC	
7	4509024750313	STABILIZER	ACC	47	45129502080103	655240 BLADE	ACC	
8	450886429184	STABILIZER	ACC	48	45109385860201	655240 BLADE	ACC	
9	451484034015	STABILIZER	ACC	49	45151096140104	654840 BLADE	ACC	
10	451201662615	STABILIZER	ACC	50	45105857870213	654840 BLADE	ACC	
11	451423380615	STABILIZER	ACC	51	45151096140102	654840 BLADE	ACC	
12	451484640222	STABILIZER	ACC	52	45151446670211	654840 BLADE	ACC	
13	450987667723	STABILIZER	ACC	53	45151096140101	654840 BLADE	ACC	
14	451464681411	STABILIZER	ACC	54	45151446670312	654840 BLADE	ACC	
15	45140134110113	SPLIT HALF	ACC	55	45123488340102	654839 BLADE	ACC	
16	654819	SPLIT HALF	ACC	56	4511036690113	654839 BLADE	ACC	
17	451003541815	SPLIT HALF	ACC	57	45116658590101	654839 BLADE	ACC	
18	451008541814	SPLIT HALF	ACC	58	4511500110110	654839 BLADE	ACC	
19	115429899	SPLIT HALF	ACC	59	45110866680116	654839 BLADE	ACC	
20	4507805390526	SPLIT HALF	ACC	60	45116658590101	654839 BLADE	ACC	
21	450780539063	SPLIT HALF	ACC	61	45147870820107	654797 BLADE	ACC	
22	4510257992111	SPLIT HALF	ACC	62	45137219170105	654797 BLADE	ACC	
23	450378202834	SPLIT HALF	ACC	63	45137219170117	654797 BLADE	ACC	
24	451472026116	SPLIT HALF	ACC	64	45147169000235	654797 BLADE	ACC	
25	115466699	SPLIT HALF	ACC	65	45140597060114	654797 BLADE	ACC	
26	11542979	SPLIT HALF	ACC	66	45138749710106	654797 BLADE	ACC	
27	450902475043	SPLIT HALF	ACC	67	45138211220106	654797 BLADE	ACC	
28	450965591123	SPLIT HALF	ACC	68	45131329530117	654797 BLADE	ACC	
29	11811077	SPLIT HALF	ACC	69	45131329530202	654808 BLADE	ACC	
30	45087854400102	BRUSH CARRIER	ACC	70	45131329530227	654808 BLADE	ACC	
31	45090305240103	BRUSH CARRIER	ACC	71	45127612980210	654808 BLADE	ACC	
32	45090305240101	BRUSH CARRIER	ACC	72	45131329580232	654808 BLADE	ACC	
33	45090305240105	BRUSH CARRIER	ACC	73	45131329580220	654808 BLADE	ACC	
34	451474643312	SPRING CARTRIDGE	ACC	74	45147169000107	654808 BLADE	ACC	
35	451204811213	SPRING CARTRIDGE	ACC	75	45131329530214	654808 BLADE	ACC	
36	4507826868911	SPLIT COLLAR	ACC	76	45131329530226	654808 BLADE	ACC	
37	4508804322	STABILIZER	ACC	77	11544249	SPRING CARTRIDGE	ACC	
38	4500918420505	STABILIZER	ACC	78	11544248	SPRING CARTRIDGE	ACC	
39	4508804322	STABILIZER	ACC	79	451160509601	SPLIT COLLAR	ACC	
40	45087854400104	STABILIZER	ACC	80	11544253	SPLIT COLLAR	ACC	

SUMMARY: FULL BODY INSP AS PER BSD-GL-HAL-CWT-201

Batch # Info.	Connection Inspection		Body Inspection		Body Dry M.P.I	
20-B 20B065	Wet Flour. M.P.I. <input 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 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 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 type="checkbox"/>	DC Current <input type="checkbox"/>	Trans. Insp. <input checked="" type="checkbox"/>	Visible M.P.I. <input type="checkbox"/>		

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

Blacklight Inspection	Equipment / Inspector Information
Blacklight Intensity: <u>6157</u> Bath Mixture: <u>0.30</u> Whitelight: <u>0.1</u>	Equipment Used From Unit # <u>32</u> Qual. Date(s) MT <u>11/30/2021</u> PT _____
Liquid Penetrant Inspection Whitelight: _____ Magnaflux Developer: SKD-S2 Magnaflux Penetrant: <input type="checkbox"/> SKL-WP2 (Check one) <input type="checkbox"/> ZL-60D Batch # _____ Batch # _____ Dwell Time: _____ min Dwell Time: _____ min	3rd Party Rep: _____ Signature: _____ Level II Inspector: GAELAN ROBIN Signature: Signature guarantees final walk thru of job and job site
Job Information B _____ GR _____ V _____ GR _____ D _____ P _____ BP _____	



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RIG			OCS-G & WELL NO.		PROJECT		P.O. NO. / JOB NO.		DATE 6/30/2022
SERIAL NO.	DESCRIPTION		ACC / REJ.		SERIAL NO.	DESCRIPTION		ACC / REJ.	
1	12051353	SPRING RETAINER	ACC		41				
2	451403283/21	SPRING RETAINER	ACC		42				
3					43				
4					44				
5					45				
6					46				
7					47				
8					48				
9					49				
10					50				
11					51				
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38					78				
39					79				
40					80				

SUMMARY: FULL BODY INSP AS PER BSD-GL-HAL-CWT-201

Batch # Info.	Connection Inspection		Body Inspection		Body Dry M.P.I	
20-B 20B065	Wet Flour. M.P.I. <input 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 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 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 type="checkbox"/>	DC Current <input 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>7034</u> Bath Mixture: <u>0.30</u> Whitelight: <u>0.1</u>	Equipment Used From Unit # <u>32</u> Qual. Date(s) MT <u>11/30/2021</u> PT _____
Liquid Penetrant Inspection Whitelight: _____ Magnaflux Developer: SKD-S2 Magnaflux Penetrant: <input type="checkbox"/> SKL-WP2 (Check one) <input type="checkbox"/> ZL-60D Batch # _____ Batch # _____ Dwell Time: _____ min Dwell Time: _____ min	3rd Party Rep: _____ Signature: _____ Level II Inspector: GAELLEN ROBIN Signature:
Job Information B _____ GR _____ V _____ GR _____ D _____ P _____ BP _____	Signature: _____ <small>Signature guarantees final walk thru of job and job site</small>