



BOTTOM HOLE ASSURANCE, INC.

Blacklight, Ultrasonic Wall Thickness,
& Liquid Penetrant Inspection

No. IR **61322CWP-1**

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

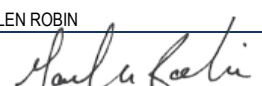
Office: (337) 857-8994 Fax: (337) 857-8964

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 6/13/2022		ACC / REJ.		ACC / REJ.		ACC / REJ.		
SERIAL NO.	DESCRIPTION	ACC	REJ.	SERIAL NO.	DESCRIPTION	ACC	REJ.	
1	451554261112	STABILIZER	ACC	41	45148290730206	654848 BLADE	ACC	
2	451484347414	STABILIZER	ACC	42	45111065140211	654848 BLADE	ACC	
3	450865583774	STABILIZER	ACC	43	45147195190132	654848 BLADE	ACC	
4	450862509922	STABILIZER	ACC	44	45127559450310	654848 BLADE	ACC	
5	451365524213	STABILIZER	ACC	45	45147195190237	654847 BLADE	ACC	
6	45106795420112	STABILIZER	ACC	46	45148290730101	654847 BLADE	ACC	
7	450870803321	STABILIZER	ACC	47	45112957260112	654847 BLADE	ACC	
8	4510065216057	STABILIZER	ACC	48	45110136820110	654847 BLADE	ACC	
9	451291414011	STABILIZER	ACC	49	45129228440123	654847 BLADE	ACC	
10	450929012713	STABILIZER	ACC	50	45112957260115	654847 BLADE	ACC	
11	450898839415	STABILIZER	ACC	51	45107287790122	654847 BLADE	ACC	
12	115651754	SPLIT HALF	ACC	52	45117195190232	654847 BLADE	ACC	
13	4507605390527	SPLIT HALF	ACC	53	45147169000109	654808 BLADE	ACC	
14	11543034	SPLIT HALF	ACC	54	45138211220204	654808 BLADE	ACC	
15	450661890125	SPLIT HALF	ACC	55	45134387080106	654808 BLADE	ACC	
16	4513782028118	SPLIT HALF	ACC	56	45138749710211	654808 BLADE	ACC	
17	4510003511814	SPLIT HALF	ACC	57	45138211220207	654808 BLADE	ACC	
18	451052346515	SPLIT HALF	ACC	58	45137219170214	654808 BLADE	ACC	
19	451495246214	SPLIT HALF	ACC	59	45137219170223	654808 BLADE	ACC	
20	4509080851022	SPLIT HALF	ACC	60	451387494710204	654808 BLADE	ACC	
21	12108798	SPLIT HALF	ACC	61	45155485520112	655266 BLADE	ACC	
22	451552321212	SPLIT HALF	ACC	62	45101288000502	655266 BLADE	ACC	
23	11543027	SPLIT HALF	ACC	63	45149048650108	655266 BLADE	ACC	
24	451764241	SPLIT HALF	ACC	64	45101288000505	655266 BLADE	ACC	
25	11877433	SPLIT HALF	ACC	65	45117271720408	655266 BLADE	ACC	
26	4510070524211	SPLIT HALF	ACC	66	45127167020109	655266 BLADE	ACC	
27	4509290127428	SPLIT HALF	ACC	67	45149048650104	655266 BLADE	ACC	
28	11543005	SPLIT HALF	ACC	68	45092936940512	655266 BLADE	ACC	
29	11544233	SPLIT HALF	ACC	69	45156480700213	655267 BLADE	ACC	
30	45016411015	SPLIT HALF	ACC	70	45127559450113	655267 BLADE	ACC	
31	11536392	SPLIT HALF	ACC	71	45156480700211	655267 BLADE	ACC	
32	116519116	SPLIT HALF	ACC	72	45120940190104	655267 BLADE	ACC	
33	4517962030621	SPLIT HALF	ACC	73	45101288000604	655267 BLADE	ACC	
34	4510679587110	SPLIT HALF	ACC	74	45101834310314	655267 BLADE	ACC	
35	45116050952	RETAINER SPLIT HALF	ACC	75	45156480700207	655267 BLADE	ACC	
36	11544247	RETAINER SPLIT HALF	ACC	76	45127559450112	655267 BLADE	ACC	
37	45119136820213	654848 BLADE	ACC	77	45106795377110	STABILIZER	ACC	
38	45111065140215	654848 BLADE	ACC	78	45106795377115	STABILIZER	ACC	
39	45111065140213	654848 BLADE	ACC	79	450861890133	STABILIZER	ACC	
40	45109534530414	654848 BLADE	ACC	80	451524254511	STABILIZER	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>6215</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	3rd Party Rep: _____
Whitelight: _____	Signature: _____
Magnaflux Developer: SKD-S2 Magnaflux Penetrant: <input type="checkbox"/> SKL-WP2 (Check one) <input type="checkbox"/> ZL-60D	Level II Inspector: GAELLEN ROBIN
Batch # _____ Dwell Time: _____ min	Signature: 
Job Information	Signature guarantees final walk thru of job and job site
B _____ GR _____ V _____ GR _____ D _____ P _____ BP _____	



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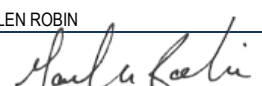
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CUSTOMER HALLIBURTON ICC		3rd PARTY <input type="checkbox"/>	FACILITY / LOCATION CLEAN WELL		AUTHORIZED BY TONY FREDRICK		INVOICE NO.	
RIG		OCS-G & WELL NO.			PROJECT		P.O. NO. / JOB NO.	DATE 6/13/2022
SERIAL NO.	DESCRIPTION		ACC / REJ.	SERIAL NO.	DESCRIPTION		ACC / REJ.	
1	4514233806111	STABILIZER	ACC	41	451520928517	SPLIT HALF	ACC	
2	451365524218	STABILIZER	ACC	42	4514855332110	SPLIT HALF	ACC	
3	451291414015	STABILIZER	ACC	43	11452949	SPLIT HALF	ACC	
4	4510679537112	STABILIZER	ACC	44	11572896	SPRING CARTRIDGE	ACC	
5	451026351615	STABILIZER	ACC	45	450802166415	SPLIT RING	ACC	
6	451484347416	STABILIZER	ACC	46	4510766480208	SPLIT RING	ACC	
7	4508535412412	SPLIT HALF	ACC	47	12077608	RETAINER SPLIT HALF	ACC	
8	5913011	SPLIT HALF	ACC	48	11544242	RETAINER SPLIT HALF	ACC	
9	450847084212	SPLIT HALF	ACC	49	11572896	RETAINER SPLIT HALF	ACC	
10	11542081	SPLIT HALF	ACC	50	45116050952	RETAINER SPLIT HALF	ACC	
11	451879852211	SPLIT HALF	ACC	51				
12	4510579537123	SPLIT HALF	ACC	52				
13	450797619855	SPLIT HALF	ACC	53				
14	451003541812	SPLIT HALF	ACC	54				
15	450851654112	SPLIT HALF	ACC	55				
16	450996943526	SPLIT HALF	ACC	56				
17	451501524114	SPLIT HALF	ACC	57				
18	451067351714	SPLIT HALF	ACC	58				
19	4510679653710	SPLIT HALF	ACC	59				
20	4510366259123	SPLIT HALF	ACC	60				
21	451067952712	SPLIT HALF	ACC	61				
22	450868583735	SPLIT HALF	ACC	62				
23	451484347911	SPLIT HALF	ACC	63				
24	451378202819	SPLIT HALF	ACC	64				
25	11762314	SPLIT HALF	ACC	65				
26	451303243013	STABILIZER	ACC	66				
27	45106795420106	STABILIZER	ACC	67				
28	451393659213	STABILIZER	ACC	68				
29	451287252331	STABILIZER	ACC	69				
30	1156696	SPLIT HALF	ACC	70				
31	450973496613	SPLIT HALF	ACC	71				
32	45019941967523	SPLIT HALF	ACC	72				
33	4510523465111	SPLIT HALF	ACC	73				
34	450797619859	SPLIT HALF	ACC	74				
35	450907625712	SPLIT HALF	ACC	75				
36	11544264	SPLIT HALF	ACC	76				
37	11542653	SPLIT HALF	ACC	77				
38	4509270812710	SPLIT HALF	ACC	78				
39	4513782028712	SPLIT HALF	ACC	79				
40	12051526	SPLIT HALF	ACC	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-Comparative Block Dry MP-Castrol Strip Wet MP-Castrol Strip

Blacklight Inspection	Equipment / Inspector Information
Blacklight Intensity: <u>4372</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 # _____ Dwell Time: _____ min Batch # _____ Dwell Time: _____ min	3rd Party Rep: _____ Signature: _____ Level II Inspector: GAELEN ROBIN Signature:  <small>Signature guarantees final walk thru of job and job site</small>
Job Information B _____ GR _____ V _____ GR _____ D _____ P _____ BP _____	