BOTTOM HOLE ASSURANCE, INC.

Blacklight, Ultrasonic Wall Thickness, & Liquid Penetrant Inspection

Email: BHAinc@bottomholeassurance.com
109 Citron Drive • Youngsville, LA 70592
Office: (337) 857-8994 Fax: (337) 857-8964

No. DIR 51622ST-5

CUSTOMER HALLIBURTON ICC ☑ 3RD PARTY | FACILITY / LOCATION SERVICE TOOLS | AUTHORIZED BY DERRICK ROBIN | INVOICE NO.

RIG | PROJECT KOSMOS | P.O. / JOB # 907664162 | DATE: 5/16/2022

OCS-G & WELL

								PIN										BOX									
Serial #	Tool Description	Overall Length	Fishing Neck Length	Tong Space	Pin I.D.	Pin O.D.	Box O.D.	Connection Size	Pin Length	Pin Cylinder Diameter	Pin Nose Diameter	Pin Relief Diameter	Pin Rel. Width Pin Neck Lgth	Bevel Diameter	B S R	OK or Reject	Remarks	Connection Size	Counter Bore Length	Counter Bore Diameter	Bore Back Dia. Float Bore Dia.	Bore Back Lgth Float Bore Lgth	Box Thread Length	Counterbore Wall Thickness	Bevel Diameter	B S R	OK or Reject	Remarks
EQ# 12395066	9 5/8" FD MSD																										
ABN148001-4	TOP ADAPTER SAP# 100073363	1.47	13 1/4	-	2 1/8	5	6 5/8	INT (B)								Acc		NC 50	5/8	5 5/16					6 1/16	-	Acc	
AFJ143843-33	Releasing Sleeve Cap SAP# 100073379							INT								Acc											
AEZ141552-44	SPACER SAP# 100013773							*								Acc											
ALC1437760-12	UPPER MANDREL SAP# 100073371							INT								Acc		INT									Acc	
ALC1437651-2	COUPLING RING SAP# 100073743							*								Acc											
3231927-8	RELEASING SLEEVE SAP# 100073373							INT (B)								Acc		INT									Acc	
KM1430438-25	STINGER SAP# 101206647																	INT									Acc	
3235595-2	BUSHING SAP# 100073370							INT								Acc											
KM1430679-10	Setting Sleeve Body SAP# 100073372							INT INT								Acc		INT									Acc	
C3218195-1	SETTING SLEEVE SAP# 100073742																	INT									Acc	
B3240658-7	LOWER MANDREL SAP# 100073741							INT INT								Acc											
AN1400H854-179-122-119-260-282-241	(6) KEY - ACC SAP# 101351594							*								Acc											
AFQ1466511-1	DRAG BLOCK HOLDER SAP# 101312701																	INT INT									Acc	

Remarks: FULL BODY INSP. AS PER WM-GL-HAL-HCT-900 REV. 0

HB71807

Batch # Info.

20-B 20B065
Dry Powder
7-HF
White Contrast
14-A

Connection Inspection

Wet Flour. M.P.I.	☑	Dry M.P.I.	☐
Vis. Liq. Pen.	☐	Residual	☐
Flour Liq. Pen.	☐	Continuous	☑
Long. Insp.	☑	AC Current	☐
Trans. Insp.	☑	DC Current	☑

Body Inspection

Wet Flour. M.P.I.	☑	Residual	☐
Vis. Liq. Pen.	☐	Continuous	☑
Flour Liq. Pen.	☐	AC Current	☐
Long. Insp.	☑	DC Current	☑
Trans. Insp.	☑	Visible M.P.I.	☐

Body Dry M.P.I

Dry M.P.I.	☐	Residual	☐
Long. Insp.	☐	Continuous	☐
Trans. Insp.	☐	AC Current	☐
		DC Current	☐

System Effectiveness: LP-Comparitive Block ☐ Dry MP-Castrol Strip ☐ Wet MP-Castrol Strip ☑ Profile Gage RSC OK ☑

3rd Party Rep

Job Information

B BT V BT D P BT

Signature:

PPI W 131 M R DATE 5-16-22

Blacklight Inspection

Blacklight Intensity: 8700 Bath Mixture: 0.30 Whitelight: 0.1

Equipment / Inspector Information

Equipment Used From Unit # 23

Qual. Date(s) MT 4/26/2019 PT 4/26/2019

Level II Inspector: BRANSON THERIOT

Signature:

Signature guarantees final walk thru of job and job site

Liquid Penetrant Inspection

Magnaflux Developer: SKD-S2
Batch #
Dwell Time: min
White Light:
Magnaflux Penetrant: ☐ SKL-WP2
(Check one) ☐ ZL-60D
Batch #
Dwell Time: min

REVIEWED
By David Patin at 4:43 pm, May 16, 2022

BOTTOM HOLE ASSURANCE, INC.

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No. DIR 51622ST-6

CUSTOMER HALLIBURTON ICC ☑ 3RD PARTY
RIG
OCS-G & WELL
FACILITY / LOCATION SERVICE TOOLS
PROJECT KOSMOS
AUTHORIZED BY DERRICK ROBIN
P.O. / JOB # 907664162
INVOICE NO.
DATE: 5/16/2022

								PIN										BOX										
Serial #	Tool Description	Overall Length	Fishing Neck Length	Tong Space	Pin I.D.	Pin O.D.	Box O.D.	Connection Size	Pin Length	Pin Cylinder Diameter	Pin Nose Diameter	Pin Relief Diameter	Pin Rel. Width Pin Neck Lgth	Bevel Diameter	B S R	OK or Reject	Remarks	Connection Size	Counter Bore Length	Counter Bore Diameter	Bore Back Dia. Float Bore Dia.	Bore Back Lgth Float Bore Lgth	Box Thread Length	Counterbore Wall Thickness	Bevel Diameter	B S R	OK or Reject	Remarks
EQ# 12693943	9 5/8" DRAG BLOCK ASSY																											
G3667154-33	RETAINER RING SAP#102519029																	INT									Acc	
G3667154-05	RETAINER RING SAP#102519029																	INT									Acc	
G3653381-1	LOWER RETAINER SAP# 102593920																	INT									Acc	
KM-14-314-99-10	Drag Block Sleeve SAP# 102591923																	INT									Acc	
G3667153-17	UPPER RETAINER SAP#102593926							INT INT								Acc												
4349505-23,9,21,4,12 L1547269-82	DRAG BLOCK-Acc SAP# 102530303							*								Acc												
40223570-157 L1547281-28	DRAG BLOCK-Acc SAP# 102529491							*								Acc												

Remarks: FULL BODY INSP. AS PER WM-GL-HAL-HCT-900 REV. 0

Batch # Info.
20-B 20B065
Dry Powder
7-HF
White Contrast
14-A

Connection Inspection
Wet Flour. M.P.I. ☑ Dry M.P.I. ☐
Vis. Liq. Pen. ☐ Residual ☐
Flour Liq. Pen. ☐ Continuous ☑
Long. Insp. ☑ AC Current ☐
Trans. Insp. ☑ DC Current ☑

Body Inspection
Wet Flour. M.P.I. ☑ Residual ☐
Vis. Liq. Pen. ☐ Continuous ☑
Flour Liq. Pen. ☑ AC Current ☐
Long. Insp. ☑ DC Current ☑
Trans. Insp. ☑ Visible M.P.I. ☐

Body Dry M.P.I
Dry M.P.I. ☐ Residual ☐
Long. Insp. ☐ Continuous ☐
Trans. Insp. ☐ AC Current ☐
DC Current ☐

Blacklight Inspection
Blacklight Intensity: 8700 Bath Mixture: 0.30 Whitelight: 0.1

Liquid Penetrant Inspection
Magnaflux Developer: SKD-S2
Batch #
Dwell Time: min
White Light:
Magnaflux Penetrant: (Check one) ☐ SKL-WP2 ☐ ZL-60D
Batch #
Dwell Time: min

System Effectiveness: LP-Comparitive Block ☐ Dry MP-Castrol Strip ☐ Wet MP-Castrol Strip ☑ Profile Gage RSC OK ☑

3rd Party Rep
Signature:

Job Information
B BT V BT D P BT

Equipment / Inspector Information
Equipment Used From Unit # 23
Qual. Date(s) MT 4/26/2019 PT 4/26/2019
Level II Inspector: BRANSON THERIOT
Signature:
Signature guarantees final walk thru of job and job site

PPI W 131 M R DATE 5-16-22

REVIEWED
By David Patin at 4:43 pm, May 16, 2022