BOTTOM HOLE ASSURANCE, INC.

No. DIR 51122ST-15

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

CUSTOMER HALLIBURTON ICC ☐ 3RD PARTY
RIG
OCS-G & WELL

FACILITY / LOCATION SERVICE TOOLS
PROJECT BP

AUTHORIZED BY DERRICK ROBIN
P.O. / JOB # 907093353

INVOICE NO.
DATE: 5/11/2022

Serial #	Tool Description	Overall Length	Fishing Neck Length	Tong Space	Pin I.D.	Pin O.D.	Box O.D.	PIN Connection Size	PIN Pin Length	PIN Pin Cylinder Diameter	PIN Pin Nose Diameter	PIN Pin Relief Diameter	PIN Pin Rel. Width Pin Neck Lgth	PIN Bevel Diameter	PIN B S R	PIN OK or Reject	PIN Remarks	BOX Connection Size	BOX Counter Bore Length	BOX Counter Bore Diameter	BOX Bore Back Dia. Float Bore Dia.	BOX Bore Back Lgth Float Bore Lgth	BOX Box Thread Length	BOX Counterbore Wall Thickness	BOX Bevel Diameter	BOX B S R	BOX OK or Reject	BOX Remarks
EQ# 12395040	16" FD MSD																											
ABN147359-43	TOP ADAPTER SAP# 100073363	1.45	13 1/16	-	2 1/8	-	6 5/8	INT (B)								Acc		NC 50	5/8	5 5/16					6 5/64		Acc	
AFJ143843-21	Releasing Sleeve Cap SAP# 100073379							INT								Acc												
AEZ141777-7	UPPER MANDREL SAP# 100073371							INT								Acc		INT									Acc	
3247695-7	RELEASING SLEEVE SAP# 100073373							INT (B)								Acc		INT									Acc	
3269267-5	BUSHING SAP# 100073370							INT								Acc												
AFQ1401611-21	Setting Sleeve Body SAP# 100073372							INT INT								Acc		INT									Acc	
AAT1464051-5	Setting Sleeve Adapter SAP#100073449																	INT										
3292952-3	Drag Spring Setting Sleeve SAP#101764515							INT								Acc												
AHY147302-1	Drag Spring Retainer SAP#100073448																	INT									Acc	
KM1430531-5	LOWER MANDREL SAP#101765397							INT INT								Acc												
3272748-3	RING MANDREL-ACC SAP#101767028							*								Acc												
ZU1222398-7	STINGER SAP#101765407																	INT									Acc	
ABN146565-4	COUPLING RING-ACC SAP#101765381							*								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

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: Branson Theriot
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: (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: 4871807

Job Information

B BT V BT D P BT

REVIEWED
By David Patin at 4:19 pm, May 17, 2022

E-DIR01-04

BOTTOM HOLE ASSURANCE, INC.

No. DIR 51122ST-16

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

CUSTOMER HALLIBURTON ICC ☐ 3RD PARTY
RIG
OCS-G & WELL

FACILITY / LOCATION SERVICE TOOLS
PROJECT BP

AUTHORIZED BY DERRICK ROBIN
P.O. / JOB # 907093353

INVOICE NO.
DATE: 5/11/2022

Serial #	Tool Description	Overall Length	Fishing Neck Length	Tong Space	Pin I.D.	Pin O.D.	Box O.D.	PIN Connection Size	PIN Pin Length	PIN Pin Cylinder Diameter	PIN Pin Nose Diameter	PIN Pin Relief Diameter	PIN Pin Rel. Width Pin Neck Lgth	PIN Bevel Diameter	PIN B S R	PIN OK or Reject	PIN Remarks	BOX Connection Size	BOX Counter Bore Length	BOX Counter Bore Diameter	BOX Bore Back Dia. Float Bore Dia.	BOX Bore Back Lgth Float Bore Lgth	BOX Box Thread Length	BOX Counterbore Wall Thickness	BOX Bevel Diameter	BOX B S R	BOX OK or Reject	BOX Remarks
EQ# 12395040	16" FD MSD																											
AN1400H854-52,143, 37,362,45	KEY-ACC SAP#101351594							*								Acc												
AN1458H854-124	KEY-ACC SAP#101351594							*								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	☐

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

Job Information

B BT V BT D P BT

3rd Party Rep
Signature HB71807

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: Branson Theriot
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: (Check one) ☐ SKL-WP2 ☐ ZL-60D
Batch #
Dwell Time: min

REVIEWED
By David Patin at 4:19 pm, May 17, 2022