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 51322ST-1

CUSTOMER HALLIBURTON ICC ☐ 3RD PARTY
RIG
OCS-G & WELL
FACILITY / LOCATION SERVICE TOOLS
PROJECT SHELL
AUTHORIZED BY DERRICK ROBIN
P.O. / JOB # 906511446
INVOICE NO.
DATE: 5/13/2022

								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# 11974595	SSCIII VALVE																											
AEF1170960-1	CONNECTOR SAP# 101400323							INT INT								Acc Acc												
1538793-2	BALL VALVE CAGE SAP# 101400534																	INT INT									Acc Acc	
AC1182163-2	BALANCE PISTON -ACC SAP# 101400673							*								Acc												
C3570367-1	PISTON MANDREL SAP# 101400611							INT								Acc												
3671154-3	BALL AND SEAT (LP)-REJ SAP# 100065707							*								Acc												
B51364-2,3	PIN (LP) - ACC SAP# 101397703							*								Acc												
1641871-1	LOWER SEAT HOLDER SAP# 101400669							INT								Acc												
AFR1121118-1	BALL VALVE CASE SAP# 101400734							INT								Acc												
2451835-2	SPRING HOUSING SAP# 101401061							INT								Acc		INT									Acc	
1589973-3	LOWER MANDREL SAP# 101401280							INT								Acc		INT									Acc	
AD12936321-1 AD12933434-4	RepositioningSpring(LP)-Acc SAP# 101411729							*								Acc												
1514638-6	NUT-Acc SAP# 101400791							INT								Acc		INT									AC C	
G2135100 AFR1221929-8	KEY - ACC SAP#101406358							*								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 BT P BT

3rd Party Rep.
Signature: HB7807

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 # 19F16K
Dwell Time: 10 min
White Light: 100
Magnaflux Penetrant. (Check one) ☑ SKL-WP2 ☐ ZL-60D
Batch # 19D07K
Dwell Time: 20 min

REVIEWED
By David Patin at 5:00 pm, May 17, 2022

BOTTOM HOLE ASSURANCE, INC.

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& Liquid Penetrant Inspection

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No. DIR 51322ST-2

CUSTOMER **HALLIBURTON ICC** ☐ 3RD PARTY
RIG
OCS-G & WELL
FACILITY / LOCATION **SERVICE TOOLS**
PROJECT **SHELL**
AUTHORIZED BY **DERRICK ROBIN**
P.O. / JOB # **906511446**
INVOICE NO.
DATE: **5/13/2022**

								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# 11974595	SSCIII VALVE																											
AFR1221894-7-8	KEY - ACC SAP#101406358							*								Acc												
2451831-2	KEY KEEPER - ACC SAP# 101402777							*								Acc												
1592835-1	BOTTOM ADAPTER SAP# 101401697	1.80	-	7 3/16	3 1/2	6 5/8	-	5 1/4 CAS								Acc		INT									Acc	
2283313-3	PISTON HOSUING SAP# 101399874																	INT INT									Acc Acc	
KM1227462-1	LUG MANDREL SAP# 101403537							INT								Acc		INT									Acc	
KM1532568-2	Lug Positioner Sleeve SAP# 101398808																	INT									Acc	
1932939	SLEEVE CONNECTOR SAP# 101398775							INT								Acc												
3594079-4	SLOTTED CONNECTOR SAP# 101398725							INT								Acc		INT									Acc	
ABX1340709-1	SEAL NIPPLE SAP# 101398674							INT								Acc												
EQ# 12340043	8 1/2" SSCIII OVERSHOT																											
KM1329089-7	TOP ADAPTER SAP# 101398579	1.35		-	4 1/4	8 1/2	8 1/2	INT								AC C		6 5/8 FH	11/16	6 13/16					7 45/64	-	Rej	DAMAGE SHOULDER
ALC1336839-3	OVER SHOT BODY SAP# 101398067																	INT									AC C	

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 BT P BT

3rd Party Rep
Signature: HB 71807

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 # 19F16K
Dwell Time: 10 min
White Light: 100
Magnaflux Penetrant: ☑ SKL-WP2
(Check one) ☐ ZL-60D
Batch # 19D07K
Dwell Time: 20 min

REVIEWED
By David Patin at 5:00 pm, May 17, 2022

BOTTOM HOLE ASSURANCE, INC.

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& Liquid Penetrant Inspection

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No. DIR 51322ST-3

CUSTOMER HALLIBURTON ICC ☐ 3RD PARTY
RIG
OCS-G & WELL
FACILITY / LOCATION SERVICE TOOLS
PROJECT SHELL
AUTHORIZED BY DERRICK ROBIN
P.O. / JOB # 906511446
INVOICE NO.
DATE: 5/13/2022

								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# 12340043	8 1/2" SSCIII OVERSHOT																											
KM1329089-7	TOP ADAPTER SAP# 101398579	1.35		-	4 1/4	8 1/2	8 1/2											6 5/8 FH	11/16	6 13/16					7 45/64	-	Acc	RE-INSP

Remarks: CONNECTION INSP. AS PER WM-GL-HAL-HCT-900 REV. 0 (MACHINE SHOP CONNECTION INSPECTION ONLY)

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:

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 5:00 pm, May 17, 2022