BOTTOM HOLE ASSURANCE, INC.

No. DIR 41924ST-21

NDE Inspection Services

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

Office: (337) 857-8994 Fax: (337) 857-8964
Bottomholeassurance.com

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

FACILITY / LOCATION SERVICE TOOLS
PROJECT IN HOUSE

AUTHORIZED BY JASON CLOSTIO
P.O. / JOB # 1017510021

INVOICE NO.
DATE: 4/19/2024

								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# 13710165	8.15" OD INTERCEPT SSC																											
4379124-2	Top Adapter SAP# 102619500	2.19	14 15/16	-	-	-	6 5/8	INT	-	-	-	-	-	-	-	Acc		NC 50	11/16	5 5/16	-	-	-	-	6 1/16	-	Acc	
AHF2067780-5	Overshot SAP# 102619501	-	-	-	-	-	-		-	-	-	-	-	-	-			INT	-	-	-	-	-	-	-	-	Acc	
4364835-1	Seal Nipple SAP# 102619502	-	-	-	-	-	-	INT	-	-	-	-	-	-	-	Acc			-	-	-	-	-	-	-	-		
4363056-4	Lug Mandrel SAP# 102619503	-	-	-	-	-	-	INT	-	-	-	-	-	-	-	Acc		INT	-	-	-	-	-	-	-	-	Acc	
4366975-3	Slotted Connector SAP# 102619504	-	-	-	-	-	-	INT	-	-	-	-	-	-	-	Acc		INT	-	-	-	-	-	-	-	-	Acc	
4366977-3	Lug Positioner Sleeve SAP# 102578201	-	-	-	-	-	-	*	-	-	-	-	-	-	-	Acc		INT	-	-	-	-	-	-	-	-	Acc	
4366994-4	Luug Positioner Sleeve Connector SAP# 102619505	-	-	-	-	-	-	INT	-	-	-	-	-	-	-	Acc			-	-	-	-	-	-	-	-		
AFQ2054131-5	Balance Piston Housing SAP# 102619506	-	-	-	-	-	-	*	-	-	-	-	-	-	-	Acc			-	-	-	-	-	-	-	-		
C4433521-1	Middle Connector SAP# 102618080	-	-	-	-	-	-	INT	-	-	-	-	-	-	-	Acc		INT(P)	-	-	-	-	-	-	-	-		
C4368253-3	Ball Valve Case SAP# 102619508	-	-	-	-	-	-	INT(B)	-	-	-	-	-	-	-	Acc		INT	-	-	-	-	-	-	-	-	Acc	
C4374650-1	Ball Case Connector SAP# 102619514	-	-	-	-	-	-	INT	-	-	-	-	-	-	-	Acc		INT(P)	-	-	-	-	-	-	-	-	Acc	
4366988-4	Spring Housing SAP# 102475225	-	-	-	-	-	-	INT(B)	-	-	-	-	-	-	-	Acc		INT	-	-	-	-	-	-	-	-	Acc	
C4374628-2	Retainer SAP# 102472748	-	-	-	-	-	-	INT(B)	-	-	-	-	-	-	-	Acc			-	-	-	-	-	-	-	-		

Remarks: FULL BODY INSP. AS PER MAN-GL-HAL-HCT-900 REV 6.3

Customer Rep Signoff:

Batch # Info.

20-B	23K007
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 DP

Signature RAYMOND DUNCAN

Blacklight Inspection

Blacklight Intensity: 5257 Bath Mixture: 0.25 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: #N/A min
White Light: #N/A
Magnaflux Penetrant: (Check one) ☐ SKL-WP2 ☐ ZL-60D
Batch #
Dwell Time: #N/A min

APPROVED

E-DIR01-06

By david.patin@bottomholeassurance.com at 8:09:30 AM, 4/22/2024

BOTTOM HOLE ASSURANCE, INC.

No. DIR 41924ST-22

NDE Inspection Services

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

Office: (337) 857-8994 Fax: (337) 857-8964
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CUSTOMER HALLIBURTON ICC ☐ 3RD PARTY
RIG
OCS-G & WELL

FACILITY / LOCATION SERVICE TOOLS
PROJECT IN HOUSE

AUTHORIZED BY JASON CLOSTIO
P.O. / JOB # 1017510021

INVOICE NO.
DATE: 4/19/2024

								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# 13710165	8.15" OD INTERCEPT SSC																											
4364844-3	NUT SAP# 102472245	-	-	-	-	-	-	INT	-	-	-	-	-	-	-	Acc			-	-	-	-	-	-	-	-		
AHY2014419-5	Piston Mandrel SAP# 102619515	-	-	-	-	-	-		-	-	-	-	-	-	-			INT	-	-	-	-	-	-	-	-	Acc	
4364840-4	Balance Piston SAP# 102619516	-	-	-	-	-	-	*	-	-	-	-	-	-	-	Acc			-	-	-	-	-	-	-	-		
4366716-2	CAGE SAP# 102619517	-	-	-	-	-	-	INT(B)	-	-	-	-	-	-	-	Acc		INT	-	-	-	-	-	-	-	-	Acc	
AKV2013169-2	Lower Seat Holder SAP# 102619518	-	-	-	-	-	-	INT	-	-	-	-	-	-	-	Acc		INT(P)	-	-	-	-	-	-	-	-	Acc	
4380118-3	Lower Mandrel SAP# 102619509	-	-	-	-	-	-	INT	-	-	-	-	-	-	-	Acc		INT	-	-	-	-	-	-	-	-	Acc	
C4379130-2	Lower Adapter SAP# 102619511	1.43	9 15/16	-	3	6 5/8	-	5 1/4 CAS	-	-	-	-	-	-	-	Acc		INT	-	-	-	-	-	-	-	-	Acc	
4374906-1	Ball and Seat (LP) SAP# 100065707	-	-	-	-	-	-	*	-	-	-	-	-	-	-	Acc			-	-	-	-	-	-	-	-		
AHF2067746-8,9	Operating Arm (LP) SAP# 102475223	-	-	-	-	-	-	*	-	-	-	-	-	-	-	Acc	R/S		-	-	-	-	-	-	-	-		
AD20031881	Repositioning Spring SAP# 102326795	-	-	-	-	-	-	*	-	-	-	-	-	-	-	Acc			-	-	-	-	-	-	-	-		
ALA1944308-25,30,29,38,26,39,27,28	KEY SAP#101406358	-	-	-	-	-	-	*	-	-	-	-	-	-	-	Acc			-	-	-	-	-	-	-	-		
4364853-3	Slotted Weir Sleeve SAP# 102579226	-	-	-	-	-	-	*	-	-	-	-	-	-	-	Acc			-	-	-	-	-	-	-	-		
4976638-1	CLAMP ASSY SAP# 102802422	-	-	-	-	-	-	*	-	-	-	-	-	-	-	Acc			-	-	-	-	-	-	-	-		

Remarks: FULL BODY INSP. AS PER MAN-GL-HAL-HCT-900 REV 6.3

Customer Rep Signoff:

Batch # Info.

20-B	23K007
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	BT	P	DP

Signature: RAYMOND DUNCAN

Blacklight Inspection

Blacklight Intensity: 2347 Bath Mixture: 0.25 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 # 20M06K
Dwell Time: 10 min
White Light: 100fc
Magnaflux Penetrant: ☑ SKL-WP2
(Check one) ☐ ZL-60D
Batch # 22B06C
Dwell Time: 20 min

APPROVED

E-DIR01-06

By david.patin@bottomholeassurance.com at 8:09:29 AM, 4/22/2024

Page 1.1 Component Trace Number Log Sheet

4/19/24 BHA verified B. Thenor

Assembly Description:	8.15" OD Intercept Subsurface Control Valve	SAP Part No. / Legacy Part No. 102618080	Batch 4433521	Serial Number	13710165

Component Description				In SAP	Change #1 Trace No.		Change #2 Trace No.		Change #3 Trace No.	
Assembly Item Number	Subassembly Item Number	SAP Part Number	Legacy Part Number	Description						
✓	1C	102619500	102619500	Top Adapter	4379124-2 ✓	✓				
✓	2C	102619501	102619501	Overshot	AHF2067780-5 ✓	✓				
✓	3C	102619502	102619502	Seal Nipple	4364835-1 ✓	✓				
✓	4C	102619503	102619503	Lug Mandrel	4363056-4 ✓	✓				
✓	5C	102619504	102619504	Slotted Connector	4366975-3 ✓	✓				
✓	6C	102578201	102578201	Lug Positioner Sleeve	4366977-3 ✓	✓				
✓	7C	102619505	102619505	Lug Positioner Sleeve Connector	4366994-4 ✓	✓				
✓	8C	102619506	102619506	Balance Piston Housing	AFQ2054131-5 ✓	✓				
✓ 102618080	9C	~~102619507~~	~~102619507~~	Middle Connector	~~[illegible]~~	✓	C 4433521-1 ✓			
✓	10C	102619508	102619508	Ball Valve Case	C 4368253-3 ✓	✓				
✓	11C	102619514	102619514	Ball Case Connector	C 4374650-1 ✓	✓				
✓	12	102475225	102475225	Spring Housing	4366988-4 ✓	✓				
✓	13	102472748	102472748	Retainer	C 4374628-2 ✓	✓				
✓	14	102472245	102472245	Nut	4364844-3 ✓	✓				
✓	15C	102619515	102619515	Piston Mandrel	AHY2014419-5 ✓	✓				
✓	16C	102619516	102619516	Balance Piston	4364840-4 ✓	✓				
✓	17C	102619517	102619517	Cage	4366716-2 ✓	✓				
✓	18C	102619518	102619518	Lower Seat Holder	AKV2013169-2 ✓	✓				
✓	19C	102619509	102619509	Lower Mandrel	4380118-3 ✓	✓	C 4380118-3 ✓			
✓	20C	102619511	102619511	Lower Adapter	C 4379130-2 ✓	✓				
✓	21C	100065707	100065707	Ball and Seat	C 4374906-1 ✓	✓				
✓	22	102475223	102475223	Operating Arm	AHF2067746-8,9 ✓	✓	– not stenciled			
✓	23	102326795	102326795	Repositioning Spring	AD20031881 ✓	✓				
✓	24	101406358	101406358	Key	ALA1944308 - 25, 30, 29, 38, 26, 39, 27, 28				✓	
	25C	101564008	101564008	~~Shear Screw~~	AB20197817					
	26	101891932	101891932	~~Wave Spring~~	AJ2094781B					
✓	50	102579226	102579226	Slotted Weir Sleeve	4364853-3 ✓	✓				
	51	~~102492599~~	~~102492599~~	Clamp Assembly	~~4400697~~					
		102802422			4976638-1 ✓					

All components identified as "critical" in accordance with HCT Technology procedure 21.3.205 (Identification and Assignment of Critical Parts and Inspectio
behind the Print Item #.

DP