BOTTOM HOLE ASSURANCE, INC.

Blacklight, Ultrasonic Wall Thickness,
& Liquid Penetrant Inspection

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No. DIR 43810-1

CUSTOMER HOLE OPENER CORP. ☐ 3RD PARTY
RIG
OCS-G & WELL

FACILITY / LOCATION SHOP
PROJECT TEXAS BRINE RC 51134

AUTHORIZED BY DONOVAN
P.O. / JOB # 7848

INVOICE NO. 43810
DATE: 9/13/2021

								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
DTU-18-22-1	22" UNDER REAMER																										
DTU-18-22-1	BODY	6.50			N/A	16"	10"	INT INT (B)								OK OK		7 5/8 REG	21/32	7 1/16					B 1/2		Rej	DAMAGED SHOULDER
TS-09-16-1	TOP SUB	4.82	26 1/2	13 5/8	2 13/16	9 1/2	16"	7 5/8 REG	5 3/16				5/16	8 13/16		Rej	DAMAGED THREADS	INT									Rej	DAMAGED SHOULDER
N/A	JET SUB	2.00	N/A	N/A	3 15/16	9 1/2	10"	7 5/8 REG	5 3/16				3/8	8 11/16		Rej	DAMAGED SHOULDER	7 5/8 REG	5/8	7 1/16					8 13/16		Rej	DAMAGED THREADS
05-220-020-088,089,090	CUTTER ARM (3)							INT								OK (3)											
05-220-008-036	STOP PIPE							INT								OK											
05-220-035-002	YOKE																	INT								OK	
05-220-037-011	PISTON							INT								OK											
05-220-006-041	FLOW TUBE															OK											
05-160-012-455,437,4547	HINGE PIN (3)															OK (3)											
05-220-047-102,168,172	HINGE BLOCK (6)															OK (6)	05-220-010-441,442,440										
05-220-042-233,257,263	HINGE BLOCK PIN (6)															OK (6)	05-220-042-238,265,230										
05-220-041-93,74,80,107,91	HINGE BLOCK PIN SLEEVE (6)															OK (6)	05-220-041-92										
05-220-009-144,166	BUSHING (2)															OK (2)											

Remarks: MAG.INSP CONNECTION & BODIES AS PER DS-1 VOLUME 4

Customer Rep Signoff:

Batch # Info.
20-B 20B065
Dry Powder 131509
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 LE V LE D P LE

Signature:

Blacklight Inspection
Blacklight Intensity 4000 Bath Mixture: 0.25 Whitelight: 0.1

Equipment / Inspector Information
Equipment Used From Unit # 11
Qual. Date(s) MT 2/1/2021 PT
Level II Inspector: LEVAR EAGLIN
Signature: Levar Eaglin
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-69D
Batch #
Dwell Time: min

E-DIR01-05