BOTTOM HOLE ASSURANCE, INC.

Blacklight, Ultrasonic Wall Thickness,
& Liquid Penetrant Inspection

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No. DIR 43339-2

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

FACILITY / LOCATION SHOP
PROJECT TEXAS BRINE / RC 51127

AUTHORIZED BY DONOVAN
P.O. / JOB #

INVOICE NO. 43339
DATE: 8/18/2021

								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-19-22-2	22" UNDER REAMER BODY	6.59			N/A	16"	10"	INT INT (B)								OK		7 5/8 REG	11/16	7 1/16					8 29/64	N/A	Rej	DAMAGED SHOULDER
TS-19-22-2	TOP SUB	4.62	36 3/8		3 1/16	9 1/2	16"	7 5/8 REG	5 1/4				3/8	8 13/16	2.815	Rej	DAMAGED THREAD	INT									OK	
N/A	JET SUB	2.09	-	-	4"	9 1/2	10"	7 5/8 REG	5 1/4				1/4	8 7/8	N/A	Rej	DAMAGED SHOULDER	7 5/8 REG	5/8	7 1/16					8 13/16	N/A	Rej	DAMAGED THREAD
05-220-023-003,005	CUTTER ARM (3)							INT								OK	05-220-020-011											
05-220-005-038	YOKE																	INT									OK	
05-220-008-041	STOP PIPE							INT								OK												
05-220-007-049	PISTON							INT								OK												
05-220-006-035	FLOW TUBE															OK												
05-220-009-154,136	BUSHING (2)															OK												
05-160-012-400,405,403	HINGE PIN (3)															OK	05-220-042-255,199,250											
05-220-042-253,201,234	HINGE BLOCK PIN (6)															OK	5-220-041-149,131											
05-220-041-79,113,87,158	HINGE BLOCK PIN SLEEVE (6)															OK	05-220-010-411,410,414											
05-220-047-180,183,165	HINGE BLOCK (6)																											

Customer Rep Signoff:

Remarks: FULL BODY INSP AS PER DS-1 VOL 4

Batch # Info.
20-B 20B065
Dry Powder 130531
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
Signature:

Job Information
B TB V TB D P TB

Blacklight Inspection
Blacklight Intensity: 7245 Bath Mixture: 0.25 Whitelight: 0.1

Equipment / Inspector Information
Equipment Used From Unit # 17
Qual. Date(s) MT 5/6/2019 PT
Level II Inspector: TANNER BLANCHARD
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 ☐ ZL-60D (Check one)
Batch #
Dwell Time: min

E-DIR01-05