



BOTTOM HOLE ASSURANCE, INC.

No. DIR 42781

Blacklight. Ultrasonic Wall Thickness.
& Liquid Penetrant Inspection

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CUSTOMER HOLE OPENER INTERNATIONAL 3RD PARTY
RIG _____
OCS-G & WELL _____

FACILITY / LOCATION SHOP
PROJECT HILCORP ENERGY / RA 30913

AUTHORIZED BY DONOVAN
P.O. / JOB # 7757

INVOICE NO. 42781
DATE: 2/12/2021

Serial #	Tool Description	Overall Length	Fishing Neck Length	Tong Space	Pin I.D.	Pin O.D.	Box O.D.	PIN										BOX										Remarks	
								Connection Size	Pin Length	Pin Cylinder Diameter	Pin Nose Diameter	Pin Relief Diameter	Pin Root Width	Pin Neck Length	Bevel Diameter	B S R	OK or Reject	Remarks	Connection Size	Counter Bore Length	Counter Bore Diameter	Bore Back Dia. Flat Bore Dia.	Bore Back Lgh	Float Bore Lgh	Box Thread Length	Counterbore Wall Thickness	Revel Diameter		B S R
HOC-B-987-1	BLADED HOLE OPENER	5.09	19 1/2	19 1/4	2 13/16	8"	6"	6 5/8 REG	4 7/8			5.406	3/4	7 1/2	2.604	OK		4 1/2 REG	5/8	4 11/16						5 11/16	3.117	OK	
BN-27	BULLNOSE	1.50		FL	2 1/16	5 15/16		4 1/2 REG	4 1/4				3/8	5 43/64	2.577	OK													

Remarks: FULL BODY INSP AS PER DS-1 VOL 4 Customer Rep Signoff: _____

Batch # Info.		Connection Inspection				Body Inspection				Body Dry M.P.I.				Blacklight Inspection				Liquid Penetrant Inspection						
20-B	20B065	Wet Flour M.P.I.	<input checked="" type="checkbox"/>	Dry M.P.I.	<input type="checkbox"/>	Wet Flour M.P.I.	<input checked="" type="checkbox"/>	Residual	<input type="checkbox"/>	Dry M.P.I.	<input checked="" type="checkbox"/>	Residual	<input type="checkbox"/>	Blacklight Intensity	5479	Bath Mixture	025	White Light	01	Magnaflox Developer	SKD-S2			
Dry Powder	131509	Vis. Liq. Pen.	<input type="checkbox"/>	Residual	<input type="checkbox"/>	Vis. Liq. Pen.	<input type="checkbox"/>	Continuous	<input checked="" type="checkbox"/>	Long Insp.	<input checked="" type="checkbox"/>	Continuous	<input checked="" type="checkbox"/>	Equipment / Inspector Information						Batch #	_____			
7-HF		Flour Liq. Pen.	<input type="checkbox"/>	Continuous	<input checked="" type="checkbox"/>	Flour Liq. Pen.	<input type="checkbox"/>	AC Current	<input type="checkbox"/>	Trans. Insp.	<input type="checkbox"/>	AC Current	<input checked="" type="checkbox"/>	Equipment Used From Unit #	17	Qual. Date(s)		1/1 5/6/2018	PT	_____	Dwell Time	_____ min		
White Contrast		Long. Insp.	<input type="checkbox"/>	AC Current	<input type="checkbox"/>	Long. Insp.	<input type="checkbox"/>	DC Current	<input checked="" type="checkbox"/>	DC Current	<input type="checkbox"/>	DC Current	<input type="checkbox"/>	Level II Inspector: <u>TANNER BLANCHARD</u>						Magnaflox Penetrant	SKL-WP2			
14-A		Trans. Insp.	<input checked="" type="checkbox"/>	DC Current	<input checked="" type="checkbox"/>	Trans. Insp.	<input checked="" type="checkbox"/>	Visible M.P.I.	<input type="checkbox"/>	System Effectiveness:		LP-Comparative Block	<input type="checkbox"/>	Dry MP-Castrol Strip	<input checked="" type="checkbox"/>	Wet MP-Castrol Strip	<input checked="" type="checkbox"/>	Profile Gage RSC OK	<input checked="" type="checkbox"/>	Signature: _____		(Check one)	<input type="checkbox"/> ZL-60D	
Job Information		3rd Party Rep: _____																						
B	TB	V	TB	D	P	TB	Signature: _____														Signature guarantees final walk thru of job and job site		Batch #	_____
		Dwell Time: _____ min																						