

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10614
 LOCATION WCR 76+47
 FOREMAN Mik Rosak
LIR+mark

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
11-4-11	Boothusx EE-25 15-U	25	7	65W	Weld	

CHARGE TO	<u>Noble</u>	OWNER	
MAILING ADDRESS		OPERATOR	<u>Noble</u>
CITY		CONTRACTOR	<u>Ensign 121</u>
STATE ZIP CODE		DISTANCE TO LOCATION	
TIME ARRIVED ON LOCATION	<u>10:10 Am</u>	TIME LEFT LOCATION	<u>4:20</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE	<u>12 1/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL	INSTRUCTED
TOTAL DEPTH	<u>760</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG	
<u>PBTD 709.9</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE	<u>8 5/8</u>	TUBING CONDITION	TUBING		

CASING DEPTH		TREATMENT VIA		TYPE OF TREATMENT		TREATMENT RATE	
CASING DEPTH	<u>755.3L</u>			<input checked="" type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM	
CASING WEIGHT	<u>241BS</u>	PACKER DEPTH		<input type="checkbox"/> PRODUCTION CASING		INITIAL BPM	
CASING CONDITION	<u>Good</u>			<input type="checkbox"/> SQUEEZE CEMENT		FINAL BPM	
				<input type="checkbox"/> ACID BREAKDOWN		MINIMUM BPM	
				<input type="checkbox"/> ACID STIMULATION		MAXIMUM BPM	
				<input type="checkbox"/> ACID SPOTTING		AVERAGE BPM	
				<input type="checkbox"/> MISC PUMP			
				<input type="checkbox"/> OTHER			

PRESSURE SUMMARY			
BREAKDOWN or CIRCULATING	psi	AVERAGE	psi
FINAL DISPLACEMENT	psi	ISIP	psi
ANNULUS	psi	5 MIN SIP	psi
MAXIMUM	psi	15 MIN SIP	psi
MINIMUM	psi		

INSTRUCTIONS PRIOR TO JOB Rig up, Satty meeting, PSE TEST, Circulate 40 BBls H₂O/KCL mix 2nd 10 Dye, mix + Pump 322 sks Cement (30% excess) yield 1.27 at 15-21BS or until Company men stopper use Release Plug Displace 45.2 BBls H₂O Bump Plug 150 over 1ft PSE wait 5min Release PSE WASH up Rig Down H₂O TEST Good Arrived with 650 sks 10qt KCL 16 oz Dye Slurry 22

JOB SUMMARY
 DESCRIPTION OF JOB EVENTS Satty meeting 2:10 PM Circulate 2:36 PM Cement 2:49 PM DROP Plug 3:17 PM Displace 3:17 PM

10 BBls at 5-5 BBls/m 3:20 PM 310 PSE Used 6 7/8 Excess
20 BBls at 5-5 BBls/m 3:22 PM 420 PSE Used 264 sks Cement
30 BBls at 5-5 BBls/m 3:27 PM 480 PSE 59 Slurry
40 BBls at 3-5 BBls/m 3:29 PM 440 PSE
45 BBls at 1-5 BBls/m 3:31 PM 320 PSE
Bump Plug AT 1-0 BBls/m 3:31 530 PSE
Flow Celler (held)

att with 386 sks Cement & qts KCL 6 oz Dye BBls Back (15)

Michael Rogers 11-4-11
 AUTHORIZATION TO PROCEED TITLE DATE

Customers hereby acknowledges and specifically agrees to the terms and conditions on this work order, including, without limitation, the provisions on the reverse side hereof which include the release and indemnity.