

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10206

LOCATION WCR 46+45

FOREMAN CALVIN REIMERS

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
8-24-11	HBR PC G 11-32D	10	4N	65W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>Ensign Rig 126</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>12:10 AM</u>	TIME LEFT LOCATION <u>5:00 AM</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>779</u>	TUBING DEPTH	SHOTS/FT		SURFACE PIPE ANNULUS LONG	
<u>PBTD 728.90</u>	TUBING WEIGHT <u>719.18</u>	OPEN HOLE		STRING	
CASING SIZE <u>8 7/8</u>	TUBING CONDITION			TUBING	
CASING DEPTH <u>771.76</u>	TREATMENT VIA		TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>2416</u>	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION <u>Good</u>			<input type="checkbox"/> PRODUCTION CASING		INITIAL BPM
			<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		HYD HHP = RATE X PRESSURE X 40.8

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, Safety meeting, Per Company MAN, CIRC 50 bbls H<sub>2</sub>O with KCL Dye x 16 in 2nd 10 bbls, Mix + pump tell Dye is seen then pump tub only at 152 lbs, 1.27 yield, Don't go over 50% excess without Talking to Company MAN, Drop plug, Displace 458 bbls H<sub>2</sub>O, Bump plug at 150 PSI over Lift PSI, Wait 5 min then bleed off PSI, Wash up, Rig down, H<sub>2</sub>O tested good, We have 700 SKS, 3202 Dye, 13 QTS KCL,

### JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 2:35 am, CIRC 3:03 am, Cement 3:15 am, to 3:46 am  
Drop Plug 3:47 am, Displace 3:48 am  
10 bbls 270 Psi 3:52 am 5.5 bbls/m  
20 bbls 280 Psi 3:54 am 5.5 bbls/m  
30 bbls 320 Psi 3:56 am 5.5 bbls/m  
40 bbls 400 Psi 3:59 am 5.5 bbls/m  
45.8 bbls 290 Psi 4:02 am 1.0 bbls/m  
Bump Plug 640 Psi at 4:02 am Float Collar Held  
USED 80% Excess = 456 SKS, 103.14 bbls Slurry  
Avg Cement 3.3 bbls/m  
Left with 244 SKS, 16 oz Dye, 8 QTS KCL  
6 bbls Slurry TO THE PIT

R. L. L. B.  
AUTHORIZATION TO PROCEED

TITLE

8-24-11

DATE