

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9370  
LOCATION WCR 74+35  
FOREMAN CALVIN REIMER

## TREATMENT REPORT

DATE <u>12-11-10</u>	WELL NAME <u>Noffsinger 35-13</u>	SECTION <u>35</u>	TWP <u>7N</u>	RGE <u>66W</u>	COUNTY <u>Weld</u>	FORMATION
CHARGE TO <u>Noble</u>			OWNER			
MAILING ADDRESS			OPERATOR <u>Noble</u>			
CITY			CONTRACTOR <u>Ensign Rig 55</u>			
STATE ZIP CODE			DISTANCE TO LOCATION			
TIME ARRIVED ON LOCATION <u>8:30 AM</u>			TIME LEFT LOCATION <u>1:45 PM</u>			

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>726</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 670.08</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>713.46</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>24 lb</u>	PACKER DEPTH		[X] SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION <u>Good</u>			[ ] PRODUCTION CASING		INITIAL BPM
			[ ] SQUEEZE CEMENT		FINAL BPM
			[ ] ACID BREAKDOWN		MINIMUM BPM
			[ ] ACID STIMULATION		MAXIMUM BPM
			[ ] ACID SPOTTING		AVERAGE BPM
			[ ] MISC PUMP		
			[ ] 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 40 bbls 11" with KCL DYE 10 in 7 1/2" 10 bbls, Mix pump tell DYE is seen then pump tub only at 15.2 lbs 1.27 yield, Drop plug, Displace 42.6 bbls H<sub>2</sub>O, Bump plug at no more than 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 650 Sacks cement, 32.02 Dye, 15 Qts KCL,

### JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety Meeting 11:53 AM, Circ 12:29 PM, Cement 12:30 PM to 12:51 PM  
Drop plug 12:53 PM, Displace 12:54 PM  
10 bbls 280 Psi 12:57 PM 7.0 bbls/m  
20 bbls 310 Psi 12:58 PM 7.0 bbls/m  
30 bbls 410 Psi 1:00 PM 7.0 bbls/m  
40 bbls 400 Psi 1:03 PM 4.5 bbls/m  
42.6 bbls 300 Psi 1:05 PM 1.0 bbls/m  
Bump Plug 500 Psi at 1:05 PM Psi held for 5 min  
USED 30% Excess = 307 Sacks, 69.4 bbls Slurry  
Avg Cement 4.62 bbls/m  
Left with 343 Sacks Cement, 22.02 Dye, 11 Qts KCL  
5 bbls Slurry To The Pit

AUTHORIZATION TO PROCEED

TITLE

12-11-10

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