

# BISON OIL WELL CEMENTING, INC.



1738 Wynkoop St., Ste. 102  
Denver, Colorado 80202  
Phone: 303-296-3010  
Fax: 303-298-8143  
E-mail: bisonoil1@qwestoffice.net

REF. INVOICE # 8786

LOCATION WCR 55+17 1/2

FOREMAN CALVIN REIMERS

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
3-25-10	Ehrlich N 34-220	34	5N	67W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>ENSGN Rig 126</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>3:45 pm.</u>	TIME LEFT LOCATION <u>7:30 pm.</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>588</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 543.94</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>587.13</u>		TREATMENT VIA	TYPE OF TREATMENT	TREATMENT RATE	
CASING WEIGHT <u>3216</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, Psi check to 500 Psi, CIRC 30 bbls. H<sub>2</sub>O with KCL + DYE 10 in 2 1/2 10 bbls, Per Company Man, Mix + pump tell Dye is seen then pump tub only at 15.2 lbs / 27 yield, Drop plug, Displace 331 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 0% Excess min No Max Excess, Water tested good, We have 650 Sacks cement, 26 oz. Dye, 6 Qts KCL,

### JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 5:50 pm, CIRC 6:13 pm, Cement 6:22 pm

Drop plug 6:38 pm, Displace 6:39 pm

10 bbls 290 Psi 6:43 pm 7.0 bbls/min  
20 bbls 360 Psi 6:45 pm 6.0 bbls/min  
30 bbls 320 Psi 6:48 pm 4.5 bbls/min  
331 bbls 220 Psi 6:53 pm 8 bbls/min

Bump Plug 340 Psi at 6:53 pm  
USED 30% Excess = 249 Sacks CEMENT, 56.3 lbs SUGARY  
Left w. Th 401 Sacks CEMENT, 16 oz. Dye, 3 Qts KCL  
9 bbls SUGARY To The Pit

*Charles Perry*

3-25-10

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