

# 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 # 10156  
LOCATION WCR 47 1/2 + 34 1/2  
FOREMAN CALVIN REIMERS

## TREATMENT REPORT

DATE <u>6-6-11</u>	WELL NAME <u>RAY H 12-240</u>	SECTION <u>12</u>	TWP <u>3N</u>	RGE <u>65W</u>	COUNTY <u>Weld</u>	FORMATION
CHARGE TO <u>Noble</u>		OWNER				
MAILING ADDRESS		OPERATOR <u>Noble</u>				
CITY		CONTRACTOR <u>Ensign</u>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>9:20pm</u>		TIME LEFT LOCATION <u>2:30am</u>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>708</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 655.65</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>699.1</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

INSTRUCTIONS PRIOR TO JOB Rig up, Safety meeting, per Company Man, CIRC 40 bbls H<sub>2</sub>O with KCL + Dye 16 in 2<sup>nd</sup> 10 bbls, Mix + pump till Dye is seen then pump tub only at 15.2 lbs/1.27 yield, Do not go over 20% excess w: out Talking to Company Man, Drop plug, Displace 41.7 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 gR, 32 oz Dy, 20 Qts KCL,

JOB SUMMARY  
DESCRIPTION OF JOB EVENTS Safety meeting 12:35am, CIRC 1:11am, CEMENT 1:18am to 1:29am  
Drop plug 1:30am, Displace 1:31am  
10 bbls 250 Psi 1:33am 7.0 bbls/m  
20 bbls 300 Psi 1:35am 7.0 bbls/m  
30 bbls 410 Psi 1:37am 7.0 bbls/m  
40 bbls 300 Psi 1:39am 1.0 bbls/m  
41.7 bbls 300 Psi 1:41am 1.0 bbls/m  
Bump plug 560 Psi at 1:41am, Float Collar Held  
USED 5% Excess = 242 SKS, 54.73 bbls Slurry  
Aug cement 4.97 bbls/m  
Left with 458 SKS, 16 oz Dye, 16 Qts KCL  
4 bbls Slurry To The PIT

[Signature] AUTHORIZATION TO PROCEED  
TITLE  
DATE 6-6-11