

# 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 # 9044  
LOCATION WCR 134+89  
FOREMAN CALVIN REIMERS

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
7-22-10	Timm PC GK 04-12	4	11N	61W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>Fort Rig 5</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>11:00 a.m.</u>	TIME LEFT LOCATION <u>4:15 p.m.</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>1220.1</u>	TUBING DEPTH	SHOTS/FT		SURFACE PIPE ANNULUS LONG	
<u>PBTD 1169.77</u>	TUBING WEIGHT	OPEN HOLE		STRING	
CASING SIZE <u>8 1/8</u>	TUBING CONDITION			TUBING	
CASING DEPTH <u>1212.72</u>		TREATMENT VIA		TYPE OF TREATMENT	TREATMENT RATE
CASING WEIGHT <u>24 lb.</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 40 bbls. H<sub>2</sub>O with KCL + Dye x 10 in 2<sup>nd</sup> 10 bbls., Lead Mix + pump 17% EXCESS = 270 SACKS CEMENT AT 13.1 lbs. 1.69 yield 81.26 bbls. Slurry, Tail To Cover 941.72', Tail Mix + pump 0% EXCESS = 100 SACKS CEMENT AT 15.2 lbs. 1.27 yield 22.61 bbls. Slurry To Cover 271' + shoe joint, Drop plug, Displace 74.5 bbls. H<sub>2</sub>O, Bump plug at NO MORE THEN 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, 26 oz. DYE, 26 qts KCL,

DESCRIPTION OF JOB EVENTS Safety meeting 2:45 pm, CIRC 2:54 pm, Cement 3:02 pm, Drop plug 3:46 pm, Displace 2:48 pm  
10 bbls 240 Psi 3:51 pm. 7.0 bbls/m  
20 bbls. 250 Psi 3:53 pm. 7.0 bbls/m  
30 bbls. 280 Psi 3:55 pm. 7.0 bbls/m  
40 bbls. 360 Psi 3:56 pm. 7.0 bbls/m  
50 bbls. 450 Psi 3:58 pm 7.0 bbls/m  
60 bbls. 520 Psi 4:00 pm 7.0 bbls/m  
70 bbls. 460 Psi 4:02 pm 4.5 bbls/m  
74.5 bbls. 380 Psi 4:04 pm. .8 bbls/m  
Bump Plug 530 Psi at 4:04 pm. Psi Held for 5 min.  
Left with 280 SACKS CEMENT, 16 oz. Dye, 22 qts KCL  
15 bbls. Slurry To The Pit

*[Signature]*

AUTHORIZATION TO PROCEED

TITLE

7-22-10

DATE