

# 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 # 8639  
LOCATION Wells Ranch  
FOREMAN Daniel Sothman  
Kirk Dan

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
6-14-09	Wells Ranch BB 12-06	12	5N	63W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>Patterson 188</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>2:10 AM</u>	TIME LEFT LOCATION <u>5:30 AM</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>574.70</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 523.26</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>562</u>		TREATMENT VIA	TYPE OF TREATMENT		
CASING WEIGHT <u>24 lb</u>	PACKER DEPTH		TREATMENT RATE		
CASING CONDITION <u>Good</u>			<input checked="" type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM	
			<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 Saffy meeting, Circ 30 bbls of H<sub>2</sub>O w/ KCL and 10 lb Dye (Trippie)  
mix + pump 221 sks of Cement @ 30% Excess @ 14.5 lb @ 1.4 y/cb, or until we see  
Dye. Drop Plug Displace 33.3 bbls of H<sub>2</sub>O Bump Plug @ 150 psi over 1.4 psi, wait  
5 min Release psi. Washup Rig Down

Arriver w 700 sks of Cement 4 g/l KCL 502 Dye 54.9 bbls of Slurry

### JOB SUMMARY

DESCRIPTION OF JOB EVENTS Saffy meeting 4:15 AM Circ 4:23 AM Cement 4:31 AM  
Drop Plug 4:48 AM Displace 4:48 AM

10 4.4/m 250 psi 4:52 AM  
20 4.4/m 320 psi 4:54 AM  
30 2.5/m 230 psi 4:57 AM  
33.3 1.0/m 190 psi 5:00 AM  
Bump Plug 340 psi 5:00 AM

Left w 479 sks of Cement 3 g/l KCL 202 Dye  
13 bbls of Slurry to pit

[Signature] AUTHORIZATION TO PROCEED  
TITLE  
DATE 6-14-09