

# 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 # 8805  
LOCATION Gutterson Ranch  
FOREMAN Daniel Seltman  
mikes miked

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
5-14-10	Gutterson State D15-31	16	3N	64W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>ENSIGN 128</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>5:30pm</u>	TIME LEFT LOCATION <u>9:30pm</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>61530</u>	TUBING DEPTH	SHOTS/FT		SURFACE PIPE ANNULUS LONG	
<u>PBTD 56550</u>	TUBING WEIGHT	OPEN HOLE		STRING	
CASING SIZE <u>8 7/8</u>	TUBING CONDITION			TUBING	
CASING DEPTH <u>608.65</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>24#</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 test to 500 psi, Cier 304 hls of H<sub>2</sub>O w/ Kcl 2nd 10 w 10oz Dye, mix & pump 260 sks of cement @ 30% Excess 152' 1.27 yield or until stopped by Co man, Drop Plug Displace 36 hls of H<sub>2</sub>O Bump Plug @ 150 psi over 1.1 ft psi wait 5 min Release PSI washup Rig Down  
Arrived w 460 sks of cement 391 Kcl 20 oz Dye  
58.7 hls of Slurry / water test ok

JOB SUMMARY  
DESCRIPTION OF JOB EVENTS Safety meeting 7:40pm Cier 7:57pm Cement 8:05pm  
Drop Plug 8:20pm Displace 8:20pm

10 hls 5.0/m 90psi 8:26pm  
20 hls 5.0/m 120psi 8:28pm  
30 hls 3.0/m 150psi 8:35pm  
36 hls 1.0/m 160psi 8:41pm  
Bump Plug 360 psi 8:41pm  
Flot color did NOT Hold  
used 236 sks of cement  
18% Excess  
53.3 hls of Slurry /

Left with 221 sks of cement 391 lot Kcl 100 oz Dye  
8 hls of Slurry Back

Tam Bann  
AUTHORIZATION TO PROCEED

Rig Supervisor  
TITLE

5-14-10  
DATE