

# 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 # 10607  
LOCATION WCR 58 +44  
FOREMAN Mike Rosalez  
LIA Mark Rob E

## TREATMENT REPORT

DATE <u>10-22-11</u>	WELL NAME <u>Sh 17 24D</u>	SECTION <u>17</u>	TWP <u>4N</u>	RGE <u>64W</u>	COUNTY <u>Weld</u>	FORMATION
CHARGE TO <u>Noble</u>		OWNER				
MAILING ADDRESS		OPERATOR <u>Noble</u>				
CITY		CONTRACTOR <u>Saxon 144</u>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>6:00 pm</u>		TIME LEFT LOCATION <u>9:30</u>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>710</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 657.75</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>858</u>	<u>703.48</u>	TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>24 lbs</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, Sattymecting, PSI Test, Circulate 40 BBLs H<sub>2</sub>O KCL mix 2<sup>nd</sup>  
10 BBLs Dye, Mix + Pump 300 sks Cement (30% EXCESS) Yield 1.27 at 15-2 LBS or  
Until Company man stops use, Release Plug Displace 41.8 BBLs H<sub>2</sub>O Bump Plug  
150 over 1ft wait 5min Release PSI WASH, Rig Down H<sub>2</sub>O Good  
Arrived with 650 sks Cement 8 gals KCL 16 oz Dye Slurry

JOB SUMMARY  
DESCRIPTION OF JOB EVENTS Sattymecting 7:30 PM Circulate 8:01 PM Cement 8:11 PM  
Drop Plug 8:22 PM Displace 8:32 PM

10 BBLs at 5.5 BBL/min at 8:36 PM 310 PSI Used 20 1/8 Excess  
20 BBLs at 5.5 BBL/min at 8:38 PM 410 PSI Used 279 sks Cement  
30 BBLs at 5.5 BBL/min at 8:40 PM 520 PSI 63 Slurry  
40 BBLs at 3.0 BBL/min at 8:45 PM 370 PSI  
41.8 BBLs at 1.5 BBL/min at 8:46 PM 660 PSI  
Bump Plug 8:46 PM 660 PSI 660 PSI BBLs Back to RT  
Plug Hold

Left with 371 sks 4 gals 0 Dye

Mary Stepleton  
AUTHORIZATION TO PROCEED  
TITLE  
DATE 10-22-11