

# 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 # 10762  
LOCATION WCR 49416  
FOREMAN Per Noud

## TREATMENT REPORT

DATE <u>12-11-11</u>	WELL NAME <u>NEI C 18-211</u>	SECTION <u>18</u>	TWP <u>4N</u>	RGE <u>64W</u>	COUNTY <u>Wyo</u>	FORMATION
CHARGE TO <u>NOBLE</u>		OWNER				
MAILING ADDRESS		OPERATOR <u>NOBLE</u>				
CITY		CONTRACTOR <u>Ensign Rig 136</u>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>9:07 PM</u>		TIME LEFT LOCATION <u>1:00</u>				

### WELL DATA

### PRESSURE LIMITATIONS

HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>697</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 642</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 3/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>687.47</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 per company man CIRC 41000S H2O & KCL  
Dye in 2nd 1000s, m+p till dye is seen then pump tubing only at 15.2 LB 1.27 Y/L  
Don't go over 30% excess without talking to company man drop 66 DIS 40.900S  
H2O bump 66 150 PSI over lift pressure wait 5 min bleed off PSI wash up  
Rig down H2O tested 6000 VCHAVE 7000S 1002 DYE 15 QTS KCL

### JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 11:10 PM CIRC 11:44 CEM 11:55 TO 12:12 AM  
Drop 66 12:12 DIS 40.900S 12:14  
10 12:17 220 PSI  
20 12:19 270 PSI  
30 12:21 280 PSI  
HP 12:26 220 PSI  
used 243 SKS = 7% excess 54.9 BBLS slurry  
left with 437 SKS O.DYE 11 QTS KCL

John M. Taylor AUTHORIZATION TO PROCEED Colman TITLE 12-11-11 DATE

Customers hereby acknowledges and specifically agrees to the terms and conditions on this work order, including, without limitation, the provisions on the reverse side hereof which include the release and indemnity.