

# 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 # 8333

LOCATION WCR 49+54

FOREMAN CALVIN REIMERS

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
5-7-09	CONAGRA B 30-31D	30	5N	64W		

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>Ensign Rig 126</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>5:15 p.m.</u>	TIME LEFT LOCATION <u>7:30 p.m.</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>405</u>	TUBING DEPTH	SHOTS/FT			
<u>PBTD 357.49</u>	TUBING WEIGHT	OPEN HOLE			
CASING SIZE <u>8 5/8</u>	TUBING CONDITION				
CASING DEPTH <u>399.59</u>		TREATMENT VIA			
CASING WEIGHT <u>2416</u>	PACKER DEPTH				
CASING CONDITION <u>Good</u>					

PRESSURE SUMMARY			TYPE OF TREATMENT		TREATMENT RATE	
BREAKDOWN or CIRCULATING psi	AVERAGE psi		<input checked="" type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM	
FINAL DISPLACEMENT psi	ISIP psi		<input type="checkbox"/> PRODUCTION CASING		INITIAL BPM	
ANNULUS psi	5 MIN SIP psi		<input type="checkbox"/> SQUEEZE CEMENT		FINAL BPM	
MAXIMUM psi	15 MIN SIP psi		<input type="checkbox"/> ACID BREAKDOWN		MINIMUM BPM	
MINIMUM psi			<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

INSTRUCTIONS PRIOR TO JOB Rig up, Safety meeting, Circ 30 bbls H<sub>2</sub>O with KCL + Dye in 2<sup>nd</sup> 10 bbls + Last 5 bbls. Mix + pump 30% Excess = 156 Sacks CEMENT at 14.5 lb. 1.4 yield or till Dye is seen, Drop plug, Displace 22.7 bbls H<sub>2</sub>O, Bump plug at 150 Psi over Lift Psi, Wait 5 min then bleed off Psi, Wash up, Rig down, We have 600 Sacks CEMENT, 1602 Dye, 16 Qts KCL. 38.9 bbls Slurry

### JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 6:02 pm, Circ 6:22 pm, CEMENT 6:29 pm Drop plug 6:41 pm, Displace 6:42 pm.

10 bbls. 300 Psi 6:46 pm 7.0 bbls/min  
20 bbls. 210 Psi 6:48 pm 4.5 bbls/min  
22.7 bbls. 140 Psi 6:50 pm 1.0 bbls/min

Bump Plug 510 Psi at 6:50 pm  
USED 40% EXCESS = 167 Sacks, 416 bbls Slurry  
Left with 433 Sacks CEMENT, 1402 Dye, 13 Qts KCL

5 bbls Slurry To The Pit

*[Signature]*

*[Signature]*

5-7-09

AUTHORIZATION TO PROCEED

TITLE

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.