

# BISON OIL WELL CEMENTING, INC.



1738 Wynkoop St., Ste. 102  
Denver, Colorado 80202  
Phone: 303-296-3010  
Fax: 303-296-8143  
E-mail: bisonoil1@qwestoffice.net

REF INVOICE # 9363  
LOCATION WCR 47+69 1/2  
FOREMAN Calvin Reimers

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
11-29-10	LDS E 25-33D	25	6N	6BW	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>ENsign Rig 12C</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>2:00 am</u>	TIME LEFT LOCATION <u>4:30 am</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>622</u>	TUBING DEPTH	SHOTS/FT		SURFACE PIPE ANNULUS LONG	
<u>PBTD 573 K</u>	TUBING WEIGHT	OPEN HOLE		STRING	
CASING SIZE <u>8 5/8</u>	TUBING CONDITION			TUBING	
CASING DEPTH <u>615.4</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 10 <sup>-8</sup>	

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 35 bbls H<sub>2</sub>O with KCL + Dye x 10 in 2 1/2 10 bbls. Mix pump till dye is seen then pump tub only at 15.2 lbs 1.27 yield. Prep plug, Displace 36.5 bbls H<sub>2</sub>O, Bump plug at no more than 150 Psi over Lift Psi, Wait 5 min then bleed off Psi, Wash up, Rig down, H<sub>2</sub>O Tested good, We have 550 sacks cement, 26 oz Dye, 10 qts KCL,

JOB SUMMARY  
DESCRIPTION OF JOB EVENTS Safety meeting 2:45 am, CIRC 3:16 am, Cement 3:25 am to 3:36 am, Drop plug 3:37 am, Displace 3:38 am

10 bbls 280 Psi 3:41 am 7.0 bbls/m  
20 bbls 380 Psi 3:43 am 7.0 bbls/m  
30 bbls 420 Psi 3:44 am 6.0 bbls/m  
36.5 bbls 280 Psi 3:48 am 1.0 bbls/m  
Pump Plug 450 Psi at 3:43 am, Psi held for 5 min.  
USED 6<sup>th</sup> Excess = 214 Sacks, 484 bbls Slurry  
LEFT WITH 336 Sacks, 16 oz Dye, 6 Qts KCL  
Avg cement 3.025 bbls/m  
5 bbls Slurry To The Pit

[Signature] Co Man 11-29-10  
AUTHORIZATION TO PROCEED TITLE DATE  
Customer 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.