

# 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 # 11244  
LOCATION Wells Ranch  
FOREMAN Calvin Reimers

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
11-2-12	Wells Ranch AA 24-64-14N	24	6N	63W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>H&amp;P Rig 343</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>11:45 am</u>	TIME LEFT LOCATION <u>4:15 am</u>

WELL DATA			PRESSURE LIMITATIONS	
HOLE SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL	INSTRUCTED
<u>13 3/4</u>				
TOTAL DEPTH <u>638</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG	
<u>PBTD 590.38</u>	TUBING WEIGHT	OPEN HOLE	STRING	
CASING SIZE <u>9 3/8</u>	TUBING CONDITION		TUBING	
CASING DEPTH <u>633.08</u>		TREATMENT VIA	TYPE OF TREATMENT	TREATMENT RATE
CASING WEIGHT <u>3616</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, Psi check to 500 psi, Circ 40 bbls H<sub>2</sub>O with KCL + Dye  
x16 in 2nd 10 bbls, Mix + pump tell good Dye is seen at 15.2 lbs, 1.27 yield, Drop plug, Displace 45.6 bbls H<sub>2</sub>O,  
Blump plug at 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 600 SKs, 32 oz. Dye, 17 Qts KCL,

### JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety Meeting 1:35 am, Circ 2:05 am, Cement 2:14 am to 2:35 am.

Drop Plug 2:40 am, Displace 2:42 am  
10 bbls. 460 Psi 2:46 am 6.0 bbls/min  
20 bbls. 520 Psi 2:48 am 6.0 bbls/min  
30 bbls. 630 Psi 2:50 am 6.0 bbls/min  
40 bbls. 490 Psi 2:53 am 4.5 bbls/min  
45.6 bbls. 300 Psi 2:56 am 1.0 bbls/min  
USED 35% EXCESS = 357 SKs, 80.74 bbls Slurry  
Left with 243 SKs, 16 oz Dye, 13 Qts KCL,

15 bbls Slurry To The Pit

*[Signature]*

AUTHORIZATION TO PROCEED

TITLE

11-2-12

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