

# 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 # 9527

LOCATION CR 47-52

FOREMAN Kirk Kallhaas

Mike R. Tucker Guy A

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
12-8-10	Elkridge State F 36 <del>36</del> 32D	36	5N	6SW	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>Ensign 176</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>11:00pm</u>	TIME LEFT LOCATION <u>2:00am</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>630.5</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBID <u>578.25</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 7/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>624.57</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>24 lb</u>	PACKER DEPTH		[ ] SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION <u>good</u>			[ ] PRODUCTION CASING		INITIAL BPM
PRESSURE SUMMARY			[ ] SQUEEZE CEMENT		FINAL BPM
BREAKDOWN or CIRCULATING psi	AVERAGE psi		[ ] ACID BREAKDOWN		MINIMUM BPM
FINAL DISPLACEMENT psi	ISIP psi		[ ] ACID STIMULATION		MAXIMUM BPM
ANNULUS psi	5 MIN SIP psi		[ ] ACID SPOTTING		AVERAGE BPM
MAXIMUM psi	15 MIN SIP psi		[ ] MISC PUMP		
MINIMUM psi			[ ] OTHER		HYD HHP = RATE X PRESSURE X 40.8

INSTRUCTIONS PRIOR TO JOB Rig up safety meeting. Packed circ 35 BBls H2O and 10 ml Dye. wire re Pump 2675Ks cemented 30% excess at 1.27 yield at 15.2 lbs or until roman stops 43. Release Plus Displace 36.8 BBls H2O. Pump Plus at 150psi over L.Ft. P. want 5min Release P. wash up Rig Down 1120 feet OK

Arrived w/ 5755Ks cement 4 gallons Kcl 16oz Dye 60.2 BBls slurry

### JOB SUMMARY

DESCRIPTION OF JOB EVENTS safety meeting 12:32am circ 12:55am cement 1:05am

Deep Plug 1:22am Displace 1:22am

10 BBls at 5.5 BBls/m 1:24am 320psi

20 BBls at 5.5 BBls/m 1:26am 420psi

30 BBls at 3.5 BBls/m 1:30am 300psi

36.8 BBls at 1.0 BBls/m 1:35am 240psi

Bump Plus 1:35am 400psi

used 2 1/4% excess

used 2505Ks cement

56 BBls slurry

L.Ft at 325Ks cement 3 gallons 1st Kcl 6oz Dye 13 BBls Baril 11

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.