

# 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 # 11058  
LOCATION 34853  
FOREMAN Tucker Lehnkehl  
Pat. Poble. Don

## TREATMENT REPORT

DATE <u>7/10/12</u>	WELL NAME <u>6460</u>	SECTION <u>16</u>	TWP <u>32</u>	RGE <u>6460</u>	COUNTY <u>Weld</u>	FORMATION
CHARGE TO <u>Noble</u>		OWNER				
MAILING ADDRESS		OPERATOR <u>Noble</u>				
CITY		CONTRACTOR <u>Ensign 132</u>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>6:15 am</u>		TIME LEFT LOCATION <u>1:30 pm</u>				

WELL DATA			PRESSURE LIMITATIONS	
HOLE SIZE <u>13 3/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>798</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG	
<u>6510</u> 747	TUBING WEIGHT	OPEN HOLE	STRING	
CASING SIZE <u>9 5/8</u>	TUBING CONDITION	TREATMENT VIA	TUBING	
CASING DEPTH <u>797</u>			TYPE OF TREATMENT	
CASING WEIGHT <u>36.1 lbs</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 HP = RATE X PRESSURE X 40.8

INSTRUCTIONS PRIOR TO JOB: Pump up setting string PSF test to cement (see 6460) kill 110 gal w/ dye mix it pump 400 sls cement at 30% excess yield 127 @ 15.2 lbs on well cement stops is Release Pkg dye 57.7 bbls 420 Pump Pkg 150 psi 0- or lift appi until 5 min release per workshop rig down this test ok

Arrived w/ 750 sls cement 4 gal kill 160 dye 97.2 bbls slurry

JOB SUMMARY  
DESCRIPTION OF JOB EVENTS: Set Pkg meeting 11:45 am Circ 11:54 Cement 12:05 pm  
Stop cement 12:22 Prop Pkg 12:26 Disp 12:26

10 bbls at	12:28 pm	170 psi	used 27 % excess used 421 sls cement 97.2 bbls slurry
20 bbls at	12:30	260	
30 bbls at	12:32	340	
40 bbls at	12:34	350	
50 bbls at	12:36	400	
57.7 bbls at	12:41	480 psi	
Pump Pkg at	12:41 pm	480 psi	
Left w/ 329 sls	2 1/2 gal kill		BBLs Back 15

Tucker Lehnkehl  
AUTHORIZATION TO PROCEED

WSS  
TITLE

7/10/12  
DATE