

# 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 # 9806  
LOCATION WCR 1274 104.5  
FOREMAN Daniel Saltzman

## TREATMENT REPORT

DATE <u>5-3-11</u>	WELL NAME <u>Timbro PC LD 16-17</u>	SECTION <u>16</u>	TWP <u>9N</u>	RGE <u>58W</u>	COUNTY <u>we/cd</u>	FORMATION
CHARGE TO <u>Noble</u>		OWNER				
MAILING ADDRESS		OPERATOR <u>Noble</u>				
CITY		CONTRACTOR <u>FRSIGH 128</u>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>11:22 AM</u>		TIME LEFT LOCATION <u>7:45 PM</u>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12" 1/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>1178.0</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD <u>1126.5</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>1168.0</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>29#</u>	PACKER DEPTH		[ ] SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION <u>good</u>			[ ] PRODUCTION CASING		INITIAL BPM
			[ ] SQUEEZE CEMENT		FINAL BPM
			[ ] ACID BREAKDOWN		MINIMUM BPM
			[ ] ACID STIMULATION		MAXIMUM BPM
			[ ] ACID SPOTTING		AVERAGE BPM
			[ ] MISC PUMP		
			[ ] OTHER		HYD HHP = RATE X PRESSURE X 40.8

INSTRUCTIONS PRIOR TO JOB Rig up, Safety meeting, PSI test circ 40 hbls of H<sub>2</sub>O w/ KCL 10 w/ 6 oz Dye, mix + pump Lead Cement @ 20% Excess @ 340 sks @ 14.8" @ 1.32 yield Bring up weight w 3% to 15.2" @ 100 sks @ 1.27 yield Drop Plug Displace 71.7 hbls of H<sub>2</sub>O Pump Plug @ 150 psi over 1 ft psi wait 5 min Release PSI wash up Rig Down Arrived w 500 sks of Neat Cement 200 sks of 3% Cement 4 gal KCL 32 oz Dye

102.5 hbls of Slurry

### JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 5:35 pm Circ 5:46 pm Cement 5:55 pm Drop Plug 6:39 pm Displace 6:39 pm

10 hbls	5.0/m	180 psi	left w 260 sks of Cement 3 gal KCL 16 oz Dye
20 hbls	5.0/m	290 psi	
30 hbls	5.0/m	420 psi	
40 hbls	5.0/m	490 psi	
50 hbls	5.0/m	560 psi	
60 hbls	5.0/m	580 psi	
70 hbls	1.0/m	450 psi	
71.7 hbls	1.0/m	460 psi	
Pump Plug	600 psi	6:56 pm	41 hbls of Slurry Back

5-3-11

AUTHORIZATION TO PROCEED

TITLE

DATE