

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 # 9851
LOCATION May 14-115
FOREMAN Kirk Kallho
Mike R Richard m

TREATMENT REPORT

DATE <u>6-2-11</u>	WELL NAME <u>McLellan PCLG04-15</u>	SECTION <u>4</u>	TWP <u>8N</u>	RGE <u>59W</u>	COUNTY <u>Morgan</u>	FORMATION
CHARGE TO <u>Noble</u>		OWNER				
MAILING ADDRESS		OPERATOR <u>Noble</u>				
CITY		CONTRACTOR <u>Code 21</u>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>12:45am</u>		TIME LEFT LOCATION <u>4:45am</u>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>590</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD <u>538.21</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 7/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>585.71</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>2415</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

INSTRUCTIONS PRIOR TO JOB Rig up, safety meeting, Psi test, circ 30 bbls KLL H2O and 10w/ Dye, mix Pump 250 SKS cement at 30% Excess at 127 yield at 15.2 US or until cement stops, Release Plug, Disp 34.2 BBLs H2O, Bump Plug at 150 psi over Lift Psi, wait 5 min Release Psi, wash up, Rig Down

Arrived w/ 575 SKS cement 4 gal KCL 16oz Dye H2O test OK
56.3 BBLs slurry

JOB SUMMARY
DESCRIPTION OF JOB EVENTS safety meeting 3:06am circ 3:22am cement 3:35am

Drop Plug 3:55am Disp 3:55am

10 BBLs at 5.5 BBLs/m 3:58am 340psi used 37% Excess
20 BBLs at 5.5 BBLs/m 4:03am 430psi used 264 SKS cement
30 BBLs at 2.5 BBLs/m 4:09am 280psi 59.4 BBLs slurry
34.2 BBLs at 1.0 BBLs/m 4:12am 250psi
Bump Plug 4:12am 410psi

Lift w/ 311 SKS cement 3 gal 1 qt KCL 6oz Dye BBLs Back 15

[Signature] 6-2-11
AUTHORIZATION TO PROCEED TITLE DATE

Customers hereby acknowledge 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.