

# BISON OIL WELL CEMENTING, INC.



1738 Wynkoop St., Ste. 102  
Denver, Colorado 80202  
Phone: 303-296-3010  
Fax: 303-296-8143  
E-mail: bisonoil1@qwestoffice.net

REF. INVOICE # 10234

LOCATION Hwy 34-50

FOREMAN Kirk Keilhorst  
Mike R. CR, marks

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
7-21-11	BuHanson State CC 20-32 D	20	4 N	63 W	Weld	

CHARGE TO <u>Noble</u>	OWNER <u>N</u>
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>Engisw 121</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>9:15 AM</u>	TIME LEFT LOCATION <u>1:00pm</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>677</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD <u>625.07</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>670.5</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>241B</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 Risup / Safety meeting, PSE Test, Pump 40 BBLs KCL H<sub>2</sub>O 2nd 10 w/ Dye, mix + Pump 286 SKS  
Cement AT 30% Excess AT 1.27 yd at 15.2 LBS or until 11 Qman stops use no more than 50%  
Excess Release Plug Displace 39.8 BBLs H<sub>2</sub>O Bump Plug AT 150 PSI over left PSI wait 5min  
Release PSE Washup Rig Down H<sub>2</sub>O Test OK

ARRIVE w/ 525 SKS Cement 4 Gall KCL 16 oz Dye 64.6 BBLs slurry

JOB SUMMARY 11:07 am  
DESCRIPTION OF JOB EVENTS Safety meeting 11:07 am Clog 11:38 am Cement 11:50 am

Drop Plug 12:09 pm Displace 12:09 pm  
10 BBLs AT 4.5 BBLs/m 12:13 pm 200 psi used 10% Excess  
20 BBLs AT 4.5 BBLs/m 12:15 pm 310 psi used 242 SKS cement  
20 BBLs AT 3.5 BBLs/m 12:19 pm 340 psi 54.7 BBLs slurry  
39.8 BBLs AT 1.0 BBLs/m 12:25 pm 300 psi  
Bump Plug AT 12:25 pm 460 psi

Left w/ 333 SKS cement 3 Gall KCL & Dye BBLs Back 9

[Signature] 7-21-2011  
AUTHORIZATION TO PROCEED TITLE DATE