

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 # 9260
LOCATION Wells Ranch
FOREMAN Daniel Saltzman

TREATMENT REPORT

DATE <u>9-5-10</u>	WELL NAME <u>Wells Ranch USK AE 31-99 Hz</u>	SECTION <u>31</u>	TWP <u>6N</u>	RGE <u>62W</u>	COUNTY <u>Weld</u>	FORMATION
CHARGE TO <u>None</u>			OWNER			
MAILING ADDRESS			OPERATOR <u>None</u>			
CITY			CONTRACTOR <u>Exxon Cade 22</u>			
STATE ZIP CODE			DISTANCE TO LOCATION			
TIME ARRIVED ON LOCATION <u>11:45 AM</u>			TIME LEFT LOCATION <u>7:30 PM</u>			

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>13 3/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>728.10</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>POTD 669.39</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>9 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>713.56</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>36#</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 to 500 psi, Circ 50 bbls of H₂O w KCL 2nd 10 w/Na₂O₂ Dye, mix & pump 392 sks of Cement @ 30% Excess @ 15.2' @ 1.27 yield or until stopped by Cement Drop Plug, Displace 51.7 bbls of H₂O, Pump Plug @ 150 psi over lift psi, wait 5 min Release psi washup Rig Down
H₂O test OK

Arrived w 550 sks of Cement 391 KCL 3202 Dye 58.6 bbls of Slurry

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety meeting 6:06pm Circ 6:14pm Cement 6:23pm
Drop Plug 6:45pm Displace 6:47pm

10 bbls	7.0/m	270 psi	6:50 pm	used 236 sks of cement 0.78 % 53.3 bbls of Slurry
20 bbls	7.0/m	330 psi	6:52 pm	
30 bbls	7.0/m	470 psi	6:53 pm	
40 bbls	7.0/m	510 psi	6:55 pm	
50 bbls	6.0/m	330 psi	6:59 pm	
51.7 bbls	.81/m	350 psi	7:00 pm	
Bump Plug		510 psi	7:00 pm	

Left w 200 sks of Cement 391 KCL 3202 Dye 10 bbls of Slurry Back

[Signature] AUTHORIZATION TO PROCEED
Co-Man TITLE
9-5-10 DATE