

BISON OIL WELL CEMENTING, INC.



1738 Wynkoop St., Ste. 102
Denver, Colorado 80202
Phone: 303-296-3010
Fax: 303-298-8143
E-mail: bisonoil1@qwest.net

REF. INVOICE # 9241
LOCATION WCR 122 + 89
FOREMAN Daniel Saltzman

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
7-16-10	Wilson PC GR 02-04	2	10N	61W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>Fort 5</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>3:04 PM</u>	TIME LEFT LOCATION <u>8:30 PM</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>1070-31</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PATD 1020.46</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>1061.73</u>		TREATMENT VIA	TYPE OF TREATMENT	TREATMENT RATE	
CASING WEIGHT <u>24 #</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 Rig up, Safety meeting, Psi test to 500 psi, Circ 40 bbls of H₂O w/ KCl 2nd 10 w/ 10oz Dye mix + pump Lead @ 205 sks of Cement @ 1.31 / 14 @ 1.69 yield Bring up weight mix tail of 100 sks @ 152" @ 1.27 yield or until stopped by column, Drop Plug Displace 65 bbls of H₂O Bump Plug @ 150 psi over left psi wait 5 min Release psi Washup Rig Down H₂O test ok Arrived w/ 450 sks of Cement 391 KCl 32oz Dye 84.3 total bbls of Slurry

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 4:35 pm Circ 5:57 pm Cement 6:10 pm Drop Plug 7:30 pm Displace 7:30 pm

10 5.5/m	70 psi	7:32 pm	used 17% EXCESS 305 sks of Cement @ 4.36 bbls of Slurry
20 5.5/m	110 psi	7:34 pm	
30 5.5/m	140 psi	7:36 pm	
40 5.5/m	270 psi	7:38 pm	
50 5.5/m	370 psi	7:40 pm	
60 2.5/m	370 psi	7:42 pm	
65 1.0/m	350 psi	7:55 pm	
Bump Plug	450 psi	7:55 pm	

11 bbls to Pit
left w/ 145 sks of Cement 291 KCl 22oz Dye

AUTHORIZATION TO PROCEED

TITLE

DATE