

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 # 10386

LOCATION WCR 76+47

FOREMAN CALVIN REIMERS

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
10-4-11	Booth USX EE 35-05D	35	7N	65W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>Saxon Rig 144</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>1:00 pm</u>	TIME LEFT LOCATION <u>8:15 pm</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
12 1/4			SURFACE PIPE ANNULUS LONG		
TOTAL DEPTH <u>789</u>	TUBING DEPTH	SHOTS/FT	STRING		
<u>POTD 735.43</u>	TUBING WEIGHT	OPEN HOLE	TUBING		
CASING SIZE <u>8 1/2</u>	TUBING CONDITION		TYPE OF TREATMENT		TREATMENT RATE
CASING DEPTH <u>778.92</u>		TREATMENT VIA	<input checked="" type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM
CASING WEIGHT <u>2416</u>	PACKER DEPTH		<input type="checkbox"/> PRODUCTION CASING		INITIAL BPM
CASING CONDITION <u>Good</u>			<input type="checkbox"/> SQUEEZE CEMENT		FINAL BPM

PRESSURE SUMMARY			PRESSURE LIMITATIONS	
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			
			<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, per company man, Circ 40 bbls H₂O with KCL & Dye in 2nd 10 bbls, Mix & pump till dye is seen then pump tub only at 15.2 lbs. 1.27 gpm, Don't go over 30% excess with out talking to company man, Drop plug, Displace 46.8 bbls H₂O, Bump plug at 150 psi over lift psi, Wait 5 min then bleed off psi, Wash up, Rig down, H₂O tested good, We have 700 sks, 32 oz dye, 10 qts KCL

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety Meeting 6:35 pm, Circ 6:57 pm, Cement 7:05 pm to 7:29 pm

Drop Plug 7:30 pm, Displace 7:31 pm

10 bbls 290 Psi 7:33 pm 7.0 bbls/m

20 bbls 400 Psi 7:34 pm 7.0 bbls/m

30 bbls 510 Psi 7:36 pm 7.0 bbls/m

40 bbls 600 Psi 7:37 pm 6.0 bbls/m

46.8 bbls 360 Psi 7:40 pm 1.0 bbls/m

Bump Plug 580 Psi at 7:40 pm Float Collar Held

USED 14% Excess = 293 sks, 66.27 bbls SLURRY

Aug Cement 2.76 bbls/m

Left with 407 sks, 16 oz. Dye, 6 qts KCL

12 bbls SLURRY To The Pit

[Signature]

AUTHORIZATION TO PROCEED

TITLE

10-4-11

DATE

Customers hereby acknowledges 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.