

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 # 9612

LOCATION cr 49-36

FOREMAN Mike R. Ouy A

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
<u>2-8-11</u>	<u>Smith PC D 06-20D</u>	<u>6</u>	<u>3N</u>	<u>64W</u>	<u>Weld</u>	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>Ensign 121</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>6:15pm</u>	TIME LEFT LOCATION <u>1:00am</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>709</u>	TUBING DEPTH	SHOTS/FT		SURFACE PIPE ANNULUS LONG	
PBTD <u>657.5</u>	TUBING WEIGHT	OPEN HOLE		STRING	
CASING SIZE <u>8 5/8</u>	TUBING CONDITION			TUBING	

CASING DEPTH <u>702.5</u>	TREATMENT VIA	TYPE OF TREATMENT	TREATMENT RATE
CASING WEIGHT <u>2413</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

PRESSURE SUMMARY				HYD HHP = RATE X PRESSURE X 40.8	
BREAKDOWN or CIRCULATING	psi	AVERAGE	psi	<input type="checkbox"/> ACID BREAKDOWN	MINIMUM BPM
FINAL DISPLACEMENT	psi	ISIP	psi	<input type="checkbox"/> ACID STIMULATION	MAXIMUM BPM
ANNULUS	psi	5 MIN SIP	psi	<input type="checkbox"/> ACID SPOTTING	AVERAGE BPM
MAXIMUM	psi	15 MIN SIP	psi	<input type="checkbox"/> MISC PUMP	
MINIMUM	psi			<input type="checkbox"/> OTHER	

INSTRUCTIONS PRIOR TO JOB Rig up, safety meeting, Psidast, circ 40591s KCL H2O 2nd 10w/ Dye, mix Pump 311 SKS cement at 30% excess at 1.27 yield at 15.2 lbs or until can stop up, Release Plug Displace 40.8 BBLs H2O Bump Plug at 150 psi over Lift psi wait 5 min Release Psi wash up Rig Down H2O test OK

Arrived w/ 750 SKS cement 4 gallons KCL 16oz Dye 70.2 BBLs slurry

JOB SUMMARY
DESCRIPTION OF JOB EVENTS safety meeting 10:52pm circ 11:27pm cement 11:38pm
Drop Plug 11:58pm Displace 11:58pm

10 BBLs At 5.5 BBLs/m 12:02am 300psi used 14% excess
20 BBLs At 5.5 BBLs/m 12:04am 390psi used 264 SKS cement
30 BBLs At 5.5 BBLs/m 12:06am 460psi 59.4 BBLs slurry
40 BBLs At 1.0 BBLs/m 12:09am 240psi
48 BBLs At 1.0 BBLs/m 12:11am 240psi
Bump Plug 12:11am 480psi

LST w/ 480 SKS cement 3 gallons KCL 6oz Dye BBLs Back 12.

AUTHORIZATION TO PROCEED [Signature] TITLE 2-8-11 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.