

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9513

LOCATION CR 74-25

FOREMAN Kirk Kallhoff
Mike R. Bayt

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
11-14-10	Schneider USR 1131-12 PD	31	7N	66W	weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>Ensign 55</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>11:00am</u>	TIME LEFT LOCATION <u>4:00pm</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
12 1/4					
TOTAL DEPTH <u>885</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBD 833.69</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 9/8</u>	TUBING CONDITION		TUBING		

TYPE OF TREATMENT			TREATMENT RATE	
CASING DEPTH <u>878.43</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				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, Psit test circ 50 BBLs H2O 2nd 10w/Dye, mix & Pump 374 SKS cement at 30% Excess at 1.27 yrild at 1512 lbs or well'll come on steps us, Release Plug Displace 53.1 BBLs H2O, Pump Plug at 150psi over Lift Psi, wait 5min Release Psi, wash up Rig Down

Arrived w/ 650 SKS cement 4 gallons Kel 16oz Dye 84.5 BBLs slurry

JOB SUMMARY
DESCRIPTION OF JOB EVENTS safety meeting 2:10pm circ 2:25pm cement 2:37pm
Drop Plug 3:05pm Displace 3:05pm

10 BBLs @ 5.5 BBLs/m 3:07pm 350psi used 14% Excess
20 BBLs @ 5.5 BBLs/m 3:09pm 380psi used 329 SKS cement
30 BBLs @ 5.5 BBLs/m 3:11pm 490psi 74.1 BBLs slurry
40 BBLs @ 5.5 BBLs/m 3:14pm 590psi
50 BBLs @ 2.5 BBLs/m 3:17pm 420psi
53.1 BBLs @ 1.0 BBLs/m 3:18pm 350psi
Pump Plug 3:18pm 510psi

Lift w/ 329 SKS cement 2 gallons 3/4ts Kel 6oz Dye BBLs Bed 14

AUTHORIZATION TO PROCEED

TITLE

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.