

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10352  
 LOCATION WCR 49 + 18  
 FOREMAN MIKE ROSALUC  
LIP MARKS ROBE

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
10-7-11	SHARLEC USX X25-05-0	25	2N	6SW	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>SAXON 145</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>4:50</u>	TIME LEFT LOCATION <u>10:30 PM</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>987</u>	TUBING DEPTH	SHOTS/FT		SURFACE PIPE ANNULUS LONG	
<u>PBTD 935.41</u>	TUBING WEIGHT	OPEN HOLE		STRING	
CASING SIZE <u>8 5/8</u>	TUBING CONDITION			TUBING	
CASING DEPTH <u>940.85</u>		TREATMENT VIA			

PRESSURE SUMMARY			TYPE OF TREATMENT		TREATMENT RATE	
BREAKDOWN or CIRCULATING psi	AVERAGE psi		<input checked="" type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM		
FINAL DISPLACEMENT psi	ISIP psi		<input type="checkbox"/> PRODUCTION CASING	INITIAL BPM		
ANNULUS psi	5 MIN SIP psi		<input type="checkbox"/> SQUEEZE CEMENT	FINAL BPM		
MAXIMUM psi	15 MIN SIP psi		<input type="checkbox"/> ACID BREAKDOWN	MINIMUM BPM		
MINIMUM psi			<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, Displace Circulate 60 BBls H<sub>2</sub>O/KCL mix, 2nd 10 Dye mix and Pump a Lead of 269 sks Cement (20% Excess) at 132 gals at 14-8 lbs then mix and Pump a Tail of 100 sks at 15-2 lbs yield 1.27 at 15-2 lbs. Release Plug Displace 59.5 BBls H<sub>2</sub>O Bump Plug at 150 PSI wait 5 min Release PSI Wash up Rig Down H<sub>2</sub>O TEST  
 Arrive with 650 sks 12 gts KCL 16 oz Dye 59.5 Lead Slurry 22.6 Tail

JOB SUMMARY  
 DESCRIPTION OF JOB EVENTS Safety meeting 8:00 pm Circulate 8:37 pm Cement 8:52  
 Drop Plug 9:22 pm Displace 9:22 pm

10 BBls at 5-5 BBls/m	9:27 pm	280 PSI	Used 20 % Excess Lead
20 BBls at 5-5 BBls/m	9:29 pm	340 PSI	Used 20 % Excess on Tail
30 BBls at 5-5 BBls/m	9:31 pm	380 PSI	Slurry Lead 59.5
40 BBls at 5-5 BBls/m	9:33 pm	480 PSI	Slurry Tail 22.6
50 BBls at 4-0 BBls/m	9:36 pm	600 PSI	Used 100 sks Cement BFW 3%
59 BBls at 1-5 BBls/m	9:39 pm	310 PSI	Used 5 sks BFW III neat
Bump Plug	9:39 pm	650 PSI	

off with 281 sks Cement 6 gts KCL + Dye

BBls BACK (19)

Ed K. Cous AUTHORIZATION TO PROCEED      W.S.J TITLE      10-7-11 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