

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10559  
 LOCATION WCR 47+16  
 FOREMAN CALVIN REINIERS

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
11-5-11	Shaklee USX X 25-18D	25	2N	65W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>SAXON Rig 145</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>11:00 AM</u>	TIME LEFT LOCATION <u>5:15 pm.</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>1015</u>	TUBING DEPTH	SHOTS/FT		SURFACE PIPE ANNULUS LONG	
<u>PBTD</u>	TUBING WEIGHT	OPEN HOLE		STRING	
CASING SIZE <u>8 5/8</u>	TUBING CONDITION			TUBING	
CASING DEPTH		TREATMENT VIA		TYPE OF TREATMENT	TREATMENT RATE
CASING WEIGHT <u>24 lb.</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, Per Company Man, Circ 40 bbls H<sub>2</sub>O with KCL, Lead-Mix + pump 20% Excess to Cover 744' = 280 sks, 65.82 bbls Slurry at 14.8 lbs. 1.32 yield, Tail-Mix + pump 0% Excess to Cover 271' + shoe = 100 sks, 22.61 bbls Slurry at 15.2 lbs. 1.27 yield, Drop plug, Displace 61.4 bbls H<sub>2</sub>O, Bump plug at 500 Psi over Lift Psi, Wait 5 min. then bleed off Psi, Wash up, Rig down, H<sub>2</sub>O Tested good, We have 450 sks Lead, 200 sks Tail, 12 Qts KCL,

**JOB SUMMARY**  
 DESCRIPTION OF JOB EVENTS Safety meeting 3:19 pm, Circ 3:47 pm, Cement 3:53 pm to 4:23 pm  
Drop Plug 4:24 pm, Displace 4:25 pm. 20% Excess  
10 bbls 270 Psi 4:27 pm 7.0 bbls/m LEAD USED 280 SKS, 65.82 bbls Slurry  
20 bbls 310 Psi 4:29 pm 7.0 bbls/m 0% Excess  
30 bbls 400 Psi 4:30 pm 7.0 bbls/m Tail 100 sks, 22.61 bbls Slurry  
40 bbls 500 Psi 4:32 pm 7.0 bbls/m  
50 bbls 600 Psi 4:33 pm 7.0 bbls/m  
60 bbls 460 Psi 4:35 pm 1.0 bbls/m  
61.4 bbls 400 Psi 4:37 pm 1.0 bbls/m  
Bump Plug 990 at 4:37 pm, Float Collar Held Avg Cement 2.94 bbls/m.  
Left with 170 sks Lead, 100 sks Tail, 8 Qts KCL  
10 bbls Slurry to the Pit

[Signature] W. S. S. 11-5-11  
 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