

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10391  
 LOCATION WCR 47+16  
 FOREMAN CALVIN REIMERS

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
10-12-11	Shaklee USX X25-29D	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>9:55 AM.</u>	TIME LEFT LOCATION <u>4:45 PM.</u>

WELL DATA			PRESSURE LIMITATIONS	
HOLE SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL	INSTRUCTED
<u>12 1/4</u>				
TOTAL DEPTH <u>992</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG	
<u>PBTD 945.28</u>	TUBING WEIGHT	OPEN HOLE	STRING	
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING	
CASING DEPTH <u>988.74</u>		TREATMENT VIA	TYPE OF TREATMENT	
CASING WEIGHT	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM
CASING CONDITION			<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 721' = 271 sks, 63.70 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 60.2 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, WE HAVE 400 sks Lead, 200 sks Tail, 11 Qts KCL,

**JOB SUMMARY**  
 DESCRIPTION OF JOB EVENTS Safety Meeting 2:35 pm, Circ 3:04 pm, Cement 3:10 pm to 3:44 pm, Drop Plug 3:45 pm, Displace 3:47 pm  
10 bbls 280 Psi 3:49 pm 7.0 bbls/m  
20 bbls 330 Psi 3:51 pm 7.0 bbls/m  
30 bbls 450 Psi 3:52 pm 7.0 bbls/m  
40 bbls 550 Psi 3:54 pm 7.0 bbls/m  
50 bbls 600 Psi 3:55 pm 7.0 bbls/m  
60.2 bbls 380 Psi 3:59 pm 1.0 bbls/m  
Bump Plug 880 Psi at 3:59 pm Float Collar Held  
USED LEAD 20% Excess = 271 sks, 63.70 bbls Slurry, Tail 0% Excess = 100 sks, 22.61 bbls Slurry  
Avg Cement 2.78 bbls/m  
Left with 129 sks Lead, 100 sks Tail, 7 Qts KCL  
16 bbls Slurry To The Pit

Sub & Co AUTHORIZATION TO PROCEED      W.S.S TITLE      10-12-11 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.