

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10639

LOCATION WCR 37+8

FOREMAN CALVIN REIMERS

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
12-4-11	BRANDT USX WW 13-17D	13	1N	66W	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>8:05 am.</u>	TIME LEFT LOCATION <u>6:00 pm.</u>

WELL DATA			PRESSURE LIMITATIONS	
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>1263</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG	
<u>PBTD 1215.05</u>	TUBING WEIGHT	OPEN HOLE	STRING	
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING	
CASING DEPTH <u>1258.43</u>	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 992' = 373 SKS, 87.68 bbls SLURRY AT 14.8 lbs. 1.32 yield, Tail Mix + pump 0% EXCESS TO COVER 271' + shoe = 100 SKS, ~~40 bbls~~ 22.61 bbls SLURRY AT 15.2 lbs. 1.27 yield, Drop plug, Displace 77.3 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, 11 QTS KCL,

JOB SUMMARY  
DESCRIPTION OF JOB EVENTS Safety Meeting 3:32 pm, CIRC 4:16 pm, CEMENT 4:23 pm to 4:55 pm

Drop Plug 4:56 pm, Displace 4:57 pm  
10 bbls 220 PSI 4:59 pm 7.0 bbls/m 50 bbls 500 PSI 5:05 pm 7.0 bbls/m  
20 bbls 250 PSI 5:01 pm 7.0 bbls/m 60 bbls 600 PSI 5:07 pm 7.0 bbls/m  
30 bbls 310 PSI 5:02 pm 7.0 bbls/m 70 bbls 670 PSI 5:08 pm 6.0 bbls/m  
40 bbls 410 PSI 5:04 pm 7.0 bbls/m 77.3 bbls 510 PSI 5:12 pm 1.0 bbls/m  
Bump Plug 1000 PSI AT 5:12 pm, Float Collar Held  
USED LEAD 20% EXCESS 373 SKS, 87.68 bbls SLURRY  
Tail 0% EXCESS 100 SKS, 22.61 bbls SLURRY  
Avg Cement 3.44 bbls/m  
Left with 77 SKS LEAD, 100 SKS TAIL, 7 QTS KCL  
27 bbls SLURRY TO THE P.T

OK KCSO W.S.S. 12-4-11  
 AUTHORIZATION TO PROCEED TITLE DATE