

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 8785

LOCATION WCR 80+55

FOREMAN Calvin Reimers

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
3-24-10	Shable USX AB 11-04P	11	7N	64W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>Cade Rig 21</u>
STATE / ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>2:45am</u>	TIME LEFT LOCATION <u>10:15am</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>13 1/2</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>801.3</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 753.04</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>9 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>796.15</u>	<u>785</u>	TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>3616</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, Psi check to 500 Psi, CIRC 60 bbls H<sub>2</sub>O with KCL + Dye 10 in 2 1/2 in 10 bbls, PER Company man Mix + pump 30% Excess = 401 Sacks cement, 90.7 bbls Slurry at 152 lbs 127 yield OR tell Dye 15 SEEN then pump tub + 10 bbls Slurry, Drop plug, Displace 57.5 bbls H<sub>2</sub>O, Bump plug at NO MORE THEN 150 PSI OVER Lift Psi, Wait 5 min then bleed off Psi, Wash up, Rig down, Water tested good, We have 650 Sacks cement, 32 oz. Dye, 12 Qts KCL, PER Company man Do not go over 59 bbls Displace

### JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 8:09am, CIRC 8:42am, CEMENT 8:53am  
Drop plug 9:15am, Displace 9:16am  
10 bbls 280 Psi 9:19am 7.0 bbls/min  
20 bbls 270 Psi 9:21am 7.0 bbls/min  
30 bbls 330 Psi 9:23am 7.0 bbls/min  
40 bbls 420 Psi 9:24am 7.0 bbls/min  
50 bbls 460 Psi 9:26am 6.0 bbls/min  
57.5 bbls 310 Psi 9:32am .8 bbls/min  
Bump Plug 400 Psi at 9:32am Bump Plug with 57.5 bbls Displacement  
USED 0% Excess = 309 Sacks, 69.89 bbls Slurry  
Left with 341 Sacks cement, 22 oz. Dye, 6 Qts KCL  
5 bbls Slurry To The Pit

AUTHORIZATION TO PROCEED

TITLE

3-24-10

DATE