

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9250  
LOCATION WCD 88-59  
FOREMAN Dwain Saltzman

## TREATMENT REPORT

DATE <b>8-7-10</b>	WELL NAME <b>Shable USX AB 11-09P</b>	SECTION <b>11</b>	TWP <b>7N</b>	RGE <b>68W</b>	COUNTY <b>Weld</b>	FORMATION
CHARGE TO <b>Noble</b>			OWNER			
MAILING ADDRESS			OPERATOR <b>Noble</b>			
CITY			CONTRACTOR <b>Cade 21</b>			
STATE ZIP CODE			DISTANCE TO LOCATION			
TIME ARRIVED ON LOCATION <b>2:45 AM</b>			TIME LEFT LOCATION <b>8:15 AM</b>			

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <b>12 1/2</b>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <b>806.60</b>	TUBING DEPTH	SHOTS-FT	SURFACE PIPE ANNULUS LONG		
PBTD <b>749.42</b>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <b>9 5/8</b>	TUBING CONDITION		TUBING		
CASING DEPTH <b>787.87</b>		TREATMENT VIA	TYPE OF TREATMENT		
CASING WEIGHT <b>36#</b>	PACKER DEPTH		TREATMENT RATE		
CASING CONDITION <b>Good</b>			<input checked="" type="checkbox"/> SURFACE PIPE <input type="checkbox"/> PRODUCTION CASING <input type="checkbox"/> SQUEEZE CEMENT <input type="checkbox"/> ACID BREAKDOWN <input type="checkbox"/> ACID STIMULATION <input type="checkbox"/> ACID SPOTTING <input type="checkbox"/> MISC PUMP <input type="checkbox"/> OTHER		BREAKDOWN BPM INITIAL BPM FINAL BPM MINIMUM BPM MAXIMUM BPM AVERAGE BPM 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 test to 500psi, Circ 60 bbls of H<sub>2</sub>O w/CL 2nd 10 w/1000 Dreg Mix + pump 30% Excess 804 sks of Cement @ 15.2' @ 1.27 yield or until stopped by Company Drop Plug Displace 57.5 bbls of H<sub>2</sub>O Pump Plug @ 150 psi over 14 ft Psi, wait 5 min, Reduce psi, Washup Rig Down Arrive w/ 500 sks of cement 391 KCL 3200 Dreg 96.3 bbls of Slurry**

### JOB SUMMARY

DESCRIPTION OF JOB EVENTS **Safety meeting 6:19 AM Circ 6:28 AM Cement 6:46 AM Drop Plug 7:14 AM Displace 7:14 AM**

10 bbls	5.0/m	170psi	7:17 AM	Used 326 sks of Cement 5% Excess 73.7 bbls of Slurry	
20 bbls	5.0/m	180psi	7:19 AM		
30 bbls	5.0/m	230psi	7:21 AM		
40 bbls	5.0/m	330psi	7:24 AM		
50 bbls	3.5/m	300psi	7:26 AM		
57.5 bbls	1.0/m	300psi	7:34 AM		
Bump Plug 470 psi				7:34 AM	

**6 bbls of Slurry Back**

*[Signature]*  
AUTHORIZATION TO PROCEED

**Co Rep**

TITLE

**8-7-10**  
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.