

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9032  
LOCATION WCR 80+55  
FOREMAN CALVIN REIMERS

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
6-21-10	Shable USX AB 11-02	11	TN	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>9:25 am</u>	TIME LEFT LOCATION <u>3:00 pm</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>13 1/2</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>844.63</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 795.79</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>9 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>839.20</u>		TREATMENT VIA	TYPE OF TREATMENT		
CASING WEIGHT <u>36 lb</u>	PACKER DEPTH		TREATMENT RATE		
CASING CONDITION <u>Good</u>			<input checked="" type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM	
			<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 60 bbls H<sub>2</sub>O with KCL + Dye x 16 in 2<sup>nd</sup> 1044, Mix + pump tell Dye is seen then pump tub only at 15.2 lbs. 1.27 yield, Drop plug, Displace 61.5 bbls H<sub>2</sub>O, Bump plug at no more than 150 Psi over Lift Psi, Wait 5 min then bleed off Psi, Wash up, Rig down, H<sub>2</sub>O Tested good, We have 700 SACKS CEMENT, 26 OZ Dye, 13 Qts KCL,

### JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 12:46pm, CIRC 1:02pm, Cement 1:14pm

Drop Plug 1:42pm, Displace 1:43pm  
10 bbls 190 Psi 1:46pm 7.0 bbls/m  
20 bbls 200 Psi 1:48pm 7.0 bbls/m  
30 bbls 310 Psi 1:50pm 7.0 bbls/m  
40 bbls 410 Psi 1:51pm 7.0 bbls/m  
50 bbls 500 Psi 1:53pm 7.0 bbls/m  
60 bbls 290 Psi 1:56pm 1.0 bbls/m  
61.5 bbls 350 Psi 2:00pm .8 bbls/m

Did not Bump Plug

USED - 3% Excess = 321 SACKS CEMENT, 72.6 bbls SLURRY

Left with 379 SACKS CEMENT, 10 OZ Dye, 7 Qts KCL

1 1/2 bbls SLURRY TO THE PIT

6-21-10

AUTHORIZATION TO PROCEED

TITLE

DATE