

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9361

LOCATION WCR 45+40

FOREMAN CALVIN REIMERS

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
11-19-10	BEAMAN G 34-99H2	34	4N	65W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>H&amp;P Rig 315</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>11:36 AM.</u>	TIME LEFT LOCATION <u>4:00 PM.</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>13 3/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>775</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 727.26</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>9 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>770.18</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>36 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 56 bbls. H<sub>2</sub>O with KCL + Dye x 16 in 2nd 10 bbls. Mix + pump Tell Dye is seen then mix 5 bbls. Slurry pump tub, at 15.2 lbs. 1.27 yield Drop plug, Displace 56.2 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 650 SACKS, 32 oz Dye, 18 Qts KCL, H<sub>2</sub>O TESTED GOOD

### JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 2:18 pm, CIRC 2:32 pm, CEMENT 2:43 pm to 3:02 pm.

Drop plug 3:05 pm, Displace 3:07 pm  
10 bbls 320 Psi 3:11 pm 7.0 bbls/s/m  
20 bbls 400 Psi 3:12 pm 7.0 bbls/s/m  
30 bbls 480 Psi 3:14 pm 7.0 bbls/s/m  
40 bbls 520 Psi 3:15 pm 7.0 bbls/s/m  
50 bbls 520 Psi 3:17 pm 6.0 bbls/s/m  
56.2 bbls 250 Psi 3:21 pm 1.0 bbls/s/m  
Bump Plug 870 Psi at 3:21 pm Psi held for 5 min.  
USED 30% EXCESS = 418 SACKS, 94.54 bbls. Slurry  
Left with 232 SACKS CEMENT, 16 oz. Dye, 12 Qts KCL  
11 bbls Slurry to The Pit

[Signature] Well Site Supervisor 11-19-10  
 AUTHORIZATION TO PROCEED TITLE 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.