

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10210

LOCATION WCR 41+12

FOREMAN CALVIN REIMERS

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
8-29-11	GREEN USX XX 07-07D	7	1N	65W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>Ensign Rig 136</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>10:10 am</u>	TIME LEFT LOCATION <u>5:15 pm</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>1177</u>	TUBING DEPTH	SHOTS/FT		SURFACE PIPE ANNULUS LONG	
<u>PBTD 1121.31</u>	TUBING WEIGHT	OPEN HOLE		STRING	
CASING SIZE <u>8 5/8</u>	TUBING CONDITION			TUBING	
CASING DEPTH <u>1164.77</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 70 bbls H<sub>2</sub>O with KCL + Dyex 16 in 2nd 10 bbls, Lead-Mix + pump 20% Excess to cover 906' = 340 sks, 79.93 bbls Slurry at 14.8 lbs 1.32 yield, Tail-Mix + pump 0% Excess to cover 271' + shoe = 100 sks, 22.61 bbls Slurry at 15.2 lbs 1.27 yield, Drop plug, Displace 71.4 bbls H<sub>2</sub>O, Bump Plug at 200 to 300 Psi over Lift P, Wait 5 min. then bleed off Psi, Wash up, Rig down, H<sub>2</sub>O tested good, We have 400 sks Lead, 200 sks Tail, 32 oz Dye, 15 Qts KCL,

### JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety Meeting 2:38 pm, Circ 3:01 pm, Cement 3:15 pm to 4:12 pm  
Drop Plug 4:14 pm, Displace 4:15 pm  
10 bbls 270 Psi 4:19 pm 6.0 bbls/m 20% Excess  
20 bbls 400 Psi 4:21 pm 6.0 bbls/m USED Lead 340 sks, 79.93 bbls Slurry  
30 bbls 500 Psi 4:23 pm 6.0 bbls/m 0% excess Tail 100 sks, 22.61 bbls Slurry  
40 bbls 500 Psi 4:25 pm 6.0 bbls/m Avg Cement 1.76 bbls/m  
50 bbls 530 Psi 4:26 pm 6.0 bbls/m  
60 bbls 570 Psi 4:28 pm 6.0 bbls/m  
71.4 bbls 440 Psi 4:32 pm 1.0 bbls/m  
Bump Plug 800 Psi at 4:32 pm float Collar Held  
Left with 60 sks Lead, 100 sks Tail, 16 oz Dye, 8 Qts KCL  
38 bbls Slurry to the P.T

Michael Magro  
AUTHORIZATION TO PROCEED

W.S.S.

TITLE

8-29-11

DATE