

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 8613

LOCATION WCR 46+29

FOREMAN CALVIN REIMERS

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
7-11-09	FIVE RIVERS USX K 09-02D	9	4N	66W	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>5:45 AM.</u>	TIME LEFT LOCATION <u>9:15 AM.</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>612</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 564.01</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>606.45</u>		TREATMENT VIA			

CASING WEIGHT <u>24 lb.</u>	PACKER DEPTH		TYPE OF TREATMENT	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, Cick 30 bbls. H<sub>2</sub>O with KCL + Dye x3 in 2<sup>nd</sup> 10 bbls, Mix + pump 60% EXCESS = 289 SACKS CEMENT at 14.5 lbs./l. yield or tell Dye is seen, Drop plug, Displace 35.9 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, We have 640 SACKS CEMENT, 4 oz. Dye, 7 qts KCL  
72 bbls. Slurry

### JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 7:39am, Cick 7:58am, Cement 8:06am  
Drop plug 8:21am, Displace 8:23am

10 bbls. 240 Psi 8:26am 7.0 bbls/m  
20 bbls 350 Psi 8:28am 7.0 bbls/m  
30 bbls 360 Psi 8:30am 6.0 bbls/m  
35.9 bbls. 200 Psi 8:32am .8 bbls/m

Bump Plug 320 Psi at 8:32am  
USED 40% EXCESS = 253 SACKS CEMENT 63 bbls Slurry  
Left with 387 SACKS CEMENT, 1 oz Dye, 3 qts KCL  
5 bbls Slurry To The Pit

John Rogers  
AUTHORIZATION TO PROCEED

TITLE

7-11-09

DATE