

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 8586

LOCATION 70 RANCH

FOREMAN CALVIN REIMERS

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
11-18-09	70 RANCH USX BB 09-99HZ	9	5N	63W	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>5:00 p.m.</u>	TIME LEFT LOCATION <u>1:00 a.m.</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>665</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 606.66</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>9 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>650.98</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	
PRESSURE SUMMARY			<input type="checkbox"/> SQUEEZE CEMENT	FINAL BPM	
BREAKDOWN or CIRCULATING psi	AVERAGE psi		<input type="checkbox"/> ACID BREAKDOWN	MINIMUM BPM	
FINAL DISPLACEMENT psi	ISIP psi		<input type="checkbox"/> ACID STIMULATION	MAXIMUM BPM	
ANNULUS psi	5 MIN SIP psi		<input type="checkbox"/> ACID SPOTTING	AVERAGE BPM	
MAXIMUM psi	15 MIN SIP psi		<input type="checkbox"/> MISC PUMP		
MINIMUM psi			<input type="checkbox"/> OTHER	HYD HHP = RATE X PRESSURE X 40.8	

INSTRUCTIONS PRIOR TO JOB Rig up, Safety meeting, CIRC 46.9 bbls. H<sub>2</sub>O with KCL + Dye x 10 in 2 1/2" 10 bbls. Mix + pump 30% EXCESS = 214 SACKS CEMENT at 15.2 lbs. 1.27 yield, 84.4 bbls SLURRY, OR TELL DYE IS SEEN, DROP plug, Displace 46.9 bbls. H<sub>2</sub>O, Bump plug at no more than 150 PSI over lift PSI, Wait 5 min then bleed off PSI, Washup, Rig down, Rig to CIRC at more than 7.5 bbls/m to pop out Taps on Float Collar, WE HAVE 600 SACKS CEMENT, 17 oz DYE, 10 qts KCL, WATER TESTED GOOD,

JOB SUMMARY  
DESCRIPTION OF JOB EVENTS Safety meeting 10:34 pm, CIRC 11:07 pm, CEMENT 11:17 pm  
DROP plug 11:47 pm, Displace 11:47 pm

10 bbls 280 PSI 11:53 pm 7.0 bbls/m  
20 bbls 320 PSI 11:54 pm 7.0 bbls/m  
30 bbls 450 PSI 11:56 pm 7.0 bbls/m  
40 bbls 460 PSI 11:58 pm 6.0 bbls/m  
46.9 bbls 240 PSI 12:00 am 8 bbls/m

Bump Plug 340 PSI at 12:00 am  
USED 20% EXCESS = 200 SACKS CEMENT, 45.2 bbls SLURRY  
LEFT WITH 400 SACKS CEMENT, 7 oz DYE, 5 qts KCL  
8 bbls. SLURRY TO THE PIT

AUTHORIZATION TO PROCEED

TITLE

11-18-09

DATE