

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 8990

LOCATION Wells Ranch

FOREMAN CALVIN REIMERS

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
5-21-10	Wells Ranch AE 32-05	32	6N	62W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>ENSGRIG 55</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>10:45 am.</u>	TIME LEFT LOCATION <u>3:30 am.</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>573.1</u>	TUBING DEPTH	SHOTS/FT		SURFACE PIPE ANNULUS LONG	
<u>PBTD 525.97</u>	TUBING WEIGHT	OPEN HOLE		STRING	
CASING SIZE <u>8 5/8</u>	TUBING CONDITION			TUBING	
CASING DEPTH <u>564.55</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 30 bbls H<sub>2</sub>O with KCL + Dye x 10 in 2nd 10 bbls, Mix + pump Tell Dye is seen then pump tub + 10 bbls slurry at 152 lbs. 1.27 yield, Drop plug, Displace 33.5 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, 32 oz. Dye, 20 qts KCL,

JOB SUMMARY  
DESCRIPTION OF JOB EVENTS Safety meeting 1:51 am, CIRC 2:08 am, CEMENT, 2:14 am, Drop plug 2:36 am, Displace 2:37 am,

10 bbls. 290 Psi 2:40 am 7.0 bbls/m  
20 bbls. 410 Psi 2:42 am 7.0 bbls/m  
30 bbls. 350 Psi 2:45 am 4.5 bbls/m  
33.5 bbls. 250 Psi 2:48 am .8 bbls/m

Bump Plug 370 Psi at 2:48 am, Psi Held for 5 min  
USED 30% EXCESS = 243 SACKS CEMENT, 54.96 bbls. SLURRY  
Left with 457 SACKS CEMENT, 22 oz. Dye, 17 qts. KCL  
11 bbls Slurry To The Pit

AUTHORIZATION TO PROCEED

TITLE

DATE