

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 8982  
LOCATION WCR 3+40  
FOREMAN CALVIN REIMERS

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
5-9-10	Elliot USX 5 31-09P	31	4N	68W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>ENSIGN Rig 126</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>11:45pm.</u>	TIME LEFT LOCATION <u>3:00 am.</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>575</u>	TUBING DEPTH	SHOTS/FT			
<u>PBTD 524.58</u>	TUBING WEIGHT	OPEN HOLE			
CASING SIZE <u>8 5/8</u>	TUBING CONDITION				
CASING DEPTH <u>565.95</u>		TREATMENT VIA			
CASING WEIGHT <u>24 lb</u>	PACKER DEPTH				
CASING CONDITION <u>Good</u>					

PRESSURE SUMMARY			TYPE OF TREATMENT		TREATMENT RATE	
BREAKDOWN or CIRCULATING psi	AVERAGE psi		<input checked="" type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM	
FINAL DISPLACEMENT psi	ISIP psi		<input type="checkbox"/> PRODUCTION CASING		INITIAL BPM	
ANNULUS psi	5 MIN SIP psi		<input type="checkbox"/> SQUEEZE CEMENT		FINAL BPM	
MAXIMUM psi	15 MIN SIP psi		<input type="checkbox"/> ACID BREAKDOWN		MINIMUM BPM	
MINIMUM psi			<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

INSTRUCTIONS PRIOR TO JOB Rig up, Safety meeting, Per Company Man, CIRC 30 bbls. H<sub>2</sub>O with KCL + Dye 10 in 1st 10 bbls, Mix + pump tell Dye is seen then pump tub only at 15.2 lbs/1.27 yield, 30% Max Excess, Drop plug, Displace 33.4 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, H<sub>2</sub>O tested good, WE HAVE 700 SACKS CEMENT, 26 oz. Dye, 6 Qts KCL,

### JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 1:42am, CIRC 2:02am, CEMENT 2:08am, Drop plug 2:22am, Displace 2:24am,

10 bbls. 270 Psi 2:27am 7.0 bbls/lm  
20 bbls. 350 Psi 2:29am 7.0 bbls/lm  
30 bbls. 330 Psi 2:32am 4.5 bbls/lm  
33.4 bbls. 240 Psi 2:35am .8 bbls/lm

Bump Plug 370 Psi at 2:35am Psi Held for 5 min.  
USED 10% Excess = 206 SACKS CEMENT, 46.59 bbls SLURRY  
Left with 494 SACKS CEMENT, 16 oz Dye, 3 Qts KCL  
6 bbls Slurry to the Pit

[Signature]  
AUTHORIZATION TO PROCEED

Co man  
TITLE

5-9-10  
DATE