

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10200

LOCATION GUTTERSEN RANCH

FOREMAN CALVIN REIMERS

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
8-11-11	Rhino D 27-200	27	3N	64W	Weld	

CHARGE TO Noble	OWNER
MAILING ADDRESS	OPERATOR Noble
CITY	CONTRACTOR Ensign Rig 121
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION 10:30 AM	TIME LEFT LOCATION 3:15 PM

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH 839	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 789.30	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 7/8	TUBING CONDITION		TUBING		
CASING DEPTH 832.75		TREATMENT VIA			

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"/> SOOZE 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			


INSTRUCTIONS PRIOR TO JOB Rig up, Safety Meeting, Per Company Man, CIRC 50 bbls H<sub>2</sub>O WITH KCL + DYE 16 IN 2<sup>ND</sup> 10 bbls, Mix + pump Tell Dye is seen then pump tub only at 15.2 lbs. 1.27 yield, Don't go over 15% Excess with out Talking to Company Man, Drop Plug, Displace 50.2 bbls H<sub>2</sub>O, Bump plug at 150 Psi over Lift Psi, Wait 5 min, then bleed off Psi, Washup, Rig down, H<sub>2</sub>O tested OK, WE HAVE 600 SKS, 32 oz Dye, 17 Qts KCL,

### JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety Meeting 1:00 pm, CIRC 1:23 pm, CEMENT 1:32 pm to 1:53 pm

Drop Plug 1:56 pm, Displace 1:58 pm

10 bbls 320 Psi 2:01 pm 7.0 bbls/m

20 bbls 320 Psi 2:03 pm 7.0 bbls/m

30 bbls 450 Psi 2:06 pm 4.5 bbls/m

40 bbls 550 Psi 2:09 pm 4.5 bbls/m

50.1 bbls 430 Psi 2:14 pm 1.0 bbls/m

Bump Plug 560 Psi at 2:14 pm Flat Collars Held

USED 30% Excess = 355 SKS, 80.29 bbls Slurry

Avg Cement 38 bbls/m

Left with 245 SKS, 16 oz Dye, 12 Qts KCL

5 bbls Slurry To The P:J

*[Signature]*  
AUTHORIZATION TO PROCEED

TITLE

8-11-11

DATE