

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9028
LOCATION Hwy 257+60
FOREMAN Calvin Reimers

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
6-9-10	SHURVIEW USX N 03-170	3	5N	67W	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>6:35am</u>	TIME LEFT LOCATION <u>10:15am</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>1287.7</u>	TUBING DEPTH	SHOTS/FT		SURFACE PIPE ANNULUS LONG	
<u>PBTD 1237.54</u>	TUBING WEIGHT	OPEN HOLE		STRING	
CASING SIZE <u>8 7/8</u>	TUBING CONDITION			TUBING	
CASING DEPTH <u>1280</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>2416</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 H₂O with KCL, LEAD Mix + pump 300 Sacks cement, 70.5 bbls Slurry at 14.8 lbs. 1.32 yield, Tail mix + pump 135 Sacks cement, 30.5 bbls slurry at 15.2 lbs. 1.27 yield, Drop plug, Displace 78.8 bbls H₂O, Bump plug AT NO MORE THEN 150 PSI OVER LIFT PSI, Wait 5 min then bleed off PSI, Wash up, Rig down, H₂O Tested good, We have 500 Sacks Lead, 200 Sacks Tail, 20 Qts KCL, LEAD TO COVER 905' 6% EXCESS = 300 SACKS, Tail TO COVER 375' 6% EXCESS = 135 SACKS

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety meeting 8:15am, CIRC 8:42am, CEMENT 8:49am, DROP plug 9:28am, Displace 9:32am, 10 bbls 240 Psi 9:35am, 7.0 bbls/m, 20 bbls 290 Psi 9:37am 7.0 bbls/m, 30 bbls 400 Psi 9:38am 7.0 bbls/m, 40 bbls 490 Psi 9:40am 7.0 bbls/m, 50 bbls 570 Psi 9:42am 7.0 bbls/m, 60 bbls 650 Psi 9:43am 7.0 bbls/m, 70 bbls 680 Psi 9:45am 6.0 bbls/m, 78.8 bbls 650 Psi 9:48am 1.8 bbls/m, Bump Plug 830 Psi at 9:48am Psi Held for 5 min, Left with 200 Sacks Lead, 65 Sacks Tail, 17 Qts KCL, 13 bbls Slurry To The Pit

[Signature] AUTHORIZATION TO PROCEED
Calvin Reimers TITLE
6-9-10 DATE