

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9352
LOCATION Hwy 85 + Hwy 66
FOREMAN Calvin Reimers

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
11-4-10	Sherwood L 30-32D	30	3N	66W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>EN-sign Rig 128</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>8:45pm.</u>	TIME LEFT LOCATION <u>2:45am.</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>617</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 575.80</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>611.72</u>		TREATMENT VIA	TYPE OF TREATMENT		
CASING WEIGHT <u>24 lb.</u>	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE	TREATMENT RATE	
CASING CONDITION <u>Good</u>			<input type="checkbox"/> PRODUCTION CASING	BREAKDOWN BPM	
			<input type="checkbox"/> SQUEEZE CEMENT	INITIAL BPM	
			<input type="checkbox"/> ACID BREAKDOWN	FINAL BPM	
			<input type="checkbox"/> ACID STIMULATION	MINIMUM BPM	
			<input type="checkbox"/> ACID SPOTTING	MAXIMUM BPM	
			<input type="checkbox"/> MISC PUMP	AVERAGE BPM	
			<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 + Dye 16 2nd 10 bbls, Mix + pump tell Dye is seen then pump tub only at 15.2 lbs. 1.2 Tyield, Drop Plug, Displace 36.6 bbls. H₂O, Bump plug at no more than 150 Psi over Liq Psi, Wait 5 min. then bleed off Psi, Wash up, Rig down, H₂O TESTED good, WE HAVE 650 SACKS CEMENT, 32 oz. Dye, 15 Qts KCL,

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety meeting 1:07am, CIRC 1:22 am, CEMENT 1:31am
Drop plug 1:48am, Displace 1:49am
10 bbls 280 Psi 1:52am 7.0 bbls/m
20 bbls 380 Psi 1:54am 7.0 bbls/m
30 bbls 400 Psi 1:56am 7.0 bbls/m
36.6 bbls. 280 Psi 1:59am 1.0 bbls/m
Bump Plug 440 Psi A 1:59am Psi held for 5 min
USED 32% EXCESS = 264 SACKS, 59.7 bbls Slurry
Left with 386 SACKS CEMENT, 16 oz Dye, 12 Qts KCL
Avg Mix 15 min = 59.7 bbls Slurry = 3.98 bbls/m

5 bbls Slurry To The Pit

[Signature]

AUTHORIZATION TO PROCEED

TITLE

11-4-10

DATE