

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9346
LOCATION WCR 54+25
FOREMAN CALVIN REIMERS

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
10-25-10	Phillips 23-17	23	5N	67W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>Code Rig 24</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>11:00 am</u>	TIME LEFT LOCATION <u>1:15 pm</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>735.5</u>	TUBING DEPTH	SHOTS/FT		SURFACE PIPE ANNULUS LONG	
<u>PBTD 683.10</u>	TUBING WEIGHT	OPEN HOLE		STRING	
CASING SIZE <u>8 5/8</u>	TUBING CONDITION			TUBING	
CASING DEPTH <u>722.10</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, P&L Company man, CIRC 40 bbls H₂O with KCL + Dye 10 in 20 10 bbls, Mix + pump Tell Dye is seen then pump 5 bbls slurry + Tub at 15.2 us. 1.27 yield, Drop plug, Displace 43.5 bbls H₂O, Bump plug at no more than 150 psi over Lift P, Wait 5 min. Then bleed off P, Washup, Rig down, H₂O Tested good, We have 700 Sacks cement, 26 oz Dye, 25 QTS KCL,

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety meeting 11:42 am, CIRC 11:55 am, CEMENT 12:03 pm
Drop plug 12:26 pm, Displace 12:28 pm

10 bbls 300 Psi 12:31 pm 7.0 bbls/min
20 bbls 290 Psi 12:33 pm 7.0 bbls/min
30 bbls 480 Psi 12:34 pm 7.0 bbls/min
40 bbls 390 Psi 12:38 pm 4.5 bbls/min
43.5 bbls 280 Psi 12:40 pm 1.0 bbls/min
Bump Plug 420 Psi at 12:40 pm
USED 30% Excess = 311 Sacks, 70.34 bbls Slurry
Left with 389 Sacks cement, 16 oz Dye, 21 QTS KCL
11 bbls Slurry TO THE PIT

Hay Stapleton
AUTHORIZATION TO PROCEED

TITLE

10-25-10

DATE