

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 8763
LOCATION WCR 41+50
FOREMAN CALVIN REIMERS

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
2-7-10	SAUER G 04-28D	33	5N	65W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>Cade Rig 22</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>12:15 p.m.</u>	TIME LEFT LOCATION <u>4:30 p.m.</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
12 1/4					
TOTAL DEPTH <u>630.6</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 579.43</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		

CASING DEPTH	TREATMENT VIA	TYPE OF TREATMENT	TREATMENT RATE
<u>622.75</u>		<input checked="" type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM
CASING WEIGHT <u>32 lbs.</u>	PACKER DEPTH	<input type="checkbox"/> PRODUCTION CASING	INITIAL BPM
CASING CONDITION <u>Good</u>		<input type="checkbox"/> SQUEEZE CEMENT	FINAL BPM

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, Circ 35 bbls H₂O with KCL + Dye x 16 in 2nd 10 bbls, Mix + pump 30% Excess = 267 Sacks cement, 60.39 bbls Slurry at 15.2 lbs. 1.27 yield or till Dye is seen then pump tub + 15 bbls Slurry, Drop plug, Displace 35.2 bbls H₂O, Bump plug at no more than 150 psi over Lift Psi, Wait 5 min. Then bleed off Psi, Wash up, Rig down, Water tested good, We have 625 Sacks cement, 26 oz. Dye, 13 Qts. KCL

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety meeting 2:08 pm, Circ 2:30 pm, Cement 2:37 pm
Drop plug 3:18 pm, Displace 3:19 pm

10 bbls. 390 Psi 3:43 pm 7.0 bbls/m.
20 bbls 440 Psi 3:45 pm 7.0 bbls/m.

Brody stopped me 20 bbls in to Displacement Float Collar Held
Plug is 330' down from The Top of The Landing joint
Plug down 3:45 pm.

USED 535 Sacks cement, 121 bbls. Slurry, 161% Excess
Left with 90 Sacks cement, 10 oz. Dye, 9 Qts KCL

20 bbls. Slurry To The Pit

M

AUTHORIZATION TO PROCEED

TITLE

2-7-10

DATE