

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10371
LOCATION WCR 78+39
FOREMAN CALVIN REIMERS

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
9-15-11	CALVARY USX EE 29-03D	29	7N	65W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>Saxon Rig 143</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>9:45 AM</u>	TIME LEFT LOCATION <u>12:45 AM</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>710</u>	TUBING DEPTH	SHOTS/FT		SURFACE PIPE ANNULUS LONG	
<u>PBTD 660.68'</u>	TUBING WEIGHT	OPEN HOLE		STRING	
CASING SIZE <u>8 5/8</u>	TUBING CONDITION			TUBING	
CASING DEPTH <u>704.75'</u>	TREATMENT VIA		TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>24 lb.</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		H ₂ O 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 40 bbls H₂O with KCL + Dye x 10 in 2nd 10 bbls, Mix + pump tell Dye is seen then pump tub only at 15.2 lbs. 1.27 yd/h. Don't go over 20% Excess with out Talking to Company Man, Drop plug, Displace 42 bbls H₂O, Bump plug at 150 Psi over Lift Psi, Wait 5 min then bleed off Psi, Wash up, Rig down, H₂O tested good, We have 600 sks 32oz Dye, 16 qts KCL,

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety meeting 10:49am, Circ 11:13am, Cement 11:21am to 11:38am
Drop Plug 11:40am, Displace 11:41am
10 bbls 240 Psi 11:44am 7.0 bbls/lm
20 bbls 300 Psi 11:45am 7.0 bbls/lm
30 bbls 380 Psi 11:47am 7.0 bbls/lm
40 bbls 400 Psi 11:49am 4.5 bbls/lm
42 bbls 300 Psi 11:51am 1.0 bbls/lm
Bump Plug 480 Psi at 11:51am Float Collar Held
USED 10% Excess = 245 SKS, 57.45 bbls Slurry
Avg Cement 3.37 bbls/lm
Left with 346 SKS, 22oz Dye, 12 qts KCL
3 bbls Slurry To The Pit

[Signature] AUTHORIZATION TO PROCEED CAMAN TITLE 9-15-11 DATE

Customers hereby acknowledges and specifically agrees to the terms and conditions on this work order, including, without limitation, the provisions on the reverse side hereof which include the release and indemnity