

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10573

LOCATION WCR 44+57

FOREMAN CALVIN REIMERS

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
11-26-11	BURROUGH C 23-30D	14	4N	64W	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>10:20am.</u>	TIME LEFT LOCATION <u>1:00am.</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>695</u>	TUBING DEPTH	SHOTS/FT		SURFACE PIPE ANNULUS LONG	
<u>PBTD 646.75</u>	TUBING WEIGHT	OPEN HOLE		STRING	
CASING SIZE <u>8 5/8</u>	TUBING CONDITION			TUBING	

CASING DEPTH <u>689.97</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

PRESSURE SUMMARY				
BREAKDOWN or CIRCULATING psi	AVERAGE psi	<input type="checkbox"/> SQUEEZE CEMENT	FINAL BPM	
FINAL DISPLACEMENT psi	ISIP psi	<input type="checkbox"/> ACID BREAKDOWN	MINIMUM BPM	
ANNULUS psi	5 MIN SIP psi	<input type="checkbox"/> ACID STIMULATION	MAXIMUM BPM	
MAXIMUM psi	15 MIN SIP psi	<input type="checkbox"/> ACID SPOTTING	AVERAGE BPM	
MINIMUM psi		<input type="checkbox"/> MISC PUMP		
		<input type="checkbox"/> OTHER	HYD HHP = RATE X PRESSURE X 40.8	

INSTRUCTIONS PRIOR TO JOB Rigup, Safety meeting, Per Company Man, Circ 40 bbls H<sub>2</sub>O with KCL + Dye 16 oz 200 bbls, Most pumped dye is seen then pump tub only at 5.2 lbs. 1.27 yield, Don't go over 30% excess with out talking to company man, Drop plug, Displace 41.1 bbls H<sub>2</sub>O, Bump plug at 150 psi over lift psi, Wait 5 min then bleed off psi, Wash up, Rig down, H<sub>2</sub>O tested good, We have 600 sks, 32 oz dye, 8 qts. KCL,

JOB SUMMARY  
DESCRIPTION OF JOB EVENTS Safety Meeting 11:11am, Circ 11:40pm, Cement 11:47am, to 12:04pm  
Drop Plug 12:05am, Displace 12:06pm  
10 bbls 330 Psi 12:08am 7.0 bbls/m  
20 bbls 400 Psi 12:09am 7.0 bbls/m  
30 bbls 550 Psi 12:11am 7.0 bbls/m  
41.1 bbls 310 Psi 12:14am 1.0 bbls/m  
Bump Plug 500 Psi at 12:14am Float Collar Held  
USED 35% Excess = 305 SKS, 68.98 bbls slurry  
Avg Cement 4.05 bbls/m  
Left with 295 SKS, 16 oz Dye, 4 qts KCL

10 bbls slurry to the P.T

[Signature]  
AUTHORIZATION TO PROCEED

TITLE

11-26-11

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.