

# BISON OIL WELL CEMENTING, INC.



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REF INVOICE # 10194

LOCATION WCR 72+45

FOREMAN CALVIN REIMERS

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
8-2-11	BROWN PCE 02-32	3	6N	65W	Weld	

CHARGE TO Noble	OWNER
MAILING ADDRESS	OPERATOR Noble
CITY	CONTRACTOR Saxon Rig 145
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION 4:25 am	TIME LEFT LOCATION 7:15 am

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH 720	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 671.01	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 714.71		TREATMENT VIA			

CASING DEPTH	714.71		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE	
CASING WEIGHT	2416.	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM	
CASING CONDITION	Good			<input type="checkbox"/> PRODUCTION CASING		INITIAL BPM	

HYD HHP = RATE X PRESSURE X 40.8

INSTRUCTIONS PRIOR TO JOB Rig up, Safety meeting, Per Company MAN, Circ 40 bbls H<sub>2</sub>O with KCL + Dyex 16 in 2<sup>nd</sup> 10 bbls, Mix pump tell Dyex is seen then pump tub only at 15.2 lbs. 1.27 yield, Don't go over 30% Excess without Talking to Company MAN, Drop plug, Displace 42.7 bbls H<sub>2</sub>O, Bump plug at 150 Psi over Lift Psi, Washup, Rig down, H<sub>2</sub>O Tested good, We have 650 sks, 32oz Dye, 10 Qts KCL, Don't go over 4.0 bbls/m because Loss Circ

### JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety Meeting 5:27 am, Circ 5:50 am, Cement 5:59 am to 6:17 am

Drop Plug 6:19 am, Displace 6:20 am

10 bbls 130 Psi 6:24 am 4.0 bbls/m

20 bbls 230 Psi 6:27 am 4.0 bbls/m

30 bbls 380 Psi 6:30 am 4.0 bbls/m

40 bbls 490 Psi 6:33 am 4.0 bbls/m

42.7 bbls 500 Psi 6:34 am 1.0 bbls/m

Bump Plug 780 Psi at 6:34 am Float Collar Held

Avg Cement 2.94 bbls/m

USED 0% Excess = 234 SKs, 52.92 bbls Slurry

Left with 416 SKs, 16oz Dye, 6 Qts KCL

9 bbls Slurry to the P.T

*[Signature]*  
AUTHORIZATION TO PROCEED

TITLE

8-2-11

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