

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10390

LOCATION WCR 47+76

FOREMAN Calvin Reimers

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
10-11-11	Booth USXEE 35-12D	35	7N	65W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>Saxon Rig 144</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>12:00am</u>	TIME LEFT LOCATION <u>6:45am</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>754</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 704.65</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		

CASING DEPTH <u>747.5</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

PRESSURE SUMMARY				
BREAKDOWN or CIRCULATING	psi	AVERAGE	psi	<input type="checkbox"/> ACID BREAKDOWN
FINAL DISPLACEMENT	psi	ISIP	psi	<input type="checkbox"/> ACID STIMULATION
ANNULUS	psi	5 MIN SIP	psi	<input type="checkbox"/> ACID SPOTTING
MAXIMUM	psi	15 MIN SIP	psi	<input type="checkbox"/> MISC PUMP
MINIMUM	psi			<input type="checkbox"/> OTHER
				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 + Dye x 16 in 2<sup>nd</sup> 10 bbls. Mix + pump tell Dye is seen then pump tub only at 15.2 lbs 1.27 yield, Don't go over 30% EXCESS with out Talking to Company Man, Drop plug, Displace 44.8 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 700 SKs 32oz Dye, 15 Qts KCL,

### JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety Meeting 4:55am, Circ 5:21am, Cement 5:28am to 5:47am

Drop Plug 5:48am, Displace 5:49am

10 bbls 230 Psi 5:51am 7.0 bbls/m

20 bbls 400 Psi 5:53am 7.0 bbls/m

30 bbls 500 Psi 5:54am 7.0 bbls/m

40 bbls 520 Psi 5:57am 4.5 bbls/m

44.8 bbls 400 Psi 6:00am 1.0 bbls/m

Bump Plug 700 Psi at 6:00am Float Collar Held

USED 15% EXCESS = 282 SKs, 63.78 bbls Slurry

AVG CEMENT 3.35 bbls/m

Left with 418 SKs, 16 oz Dye, 11 Qts KCL

14 bbls Slurry To the P.T.

AUTHORIZATION TO PROCEED

TITLE

10-11-11

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.