

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10549

LOCATION WCR 74+33

FOREMAN CALVIN REIMERS

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
10-21-11	Updyke USX 103-17	3	6N	66W	Weld	

CHARGE TO Noble	OWNER
MAILING ADDRESS	OPERATOR Noble
CITY	CONTRACTOR Cade Rig 21
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION 2:05 AM	TIME LEFT LOCATION 5:30 AM

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH 780	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 730.96	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 771.27		TREATMENT VIA	TYPE OF TREATMENT		
CASING WEIGHT 24 lb.	PACKER DEPTH		TREATMENT RATE		
CASING CONDITION Good			M SURFACE PIPE		
			BREAKDOWN BPM		
			I PRODUCTION CASING		
			INITIAL BPM		
			I SQUEEZE CEMENT		
			FINAL BPM		
			I ACID BREAKDOWN		
			MINIMUM BPM		
			I ACID STIMULATION		
			MAXIMUM BPM		
			I ACID SPOTTING		
			AVERAGE BPM		
			I MISC PUMP		
			HYD HHP = RATE X PRESSURE X 40.9		
			I OTHER		

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, Cick 40 bbls H<sub>2</sub>O with KCL + Dye x 16 in 2nd 10 bbls, Mix pump tell Dye is seen then pump tub only at 15.2 lbs 127 yield, Don't go over 30% Excess without Talking to Company man, Drop plug, Displace 46.5 bbls H<sub>2</sub>O, Bump plug at 150 Psi over Lift Psi, Wait 5 min then bleed off Psi, H<sub>2</sub>O tested good, We have 700 sks, 32 oz Dye, 10 qts KCL,

### JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 2:48 AM Cick 4:03 AM Cement 4:09 AM to 4:32 AM

Drop Plug 4:33 AM, Displace 4:34 AM

10 bbls 200 Psi 4:36 AM 7.0 bbls/m

20 bbls 310 Psi 4:38 AM 7.0 bbls/m

30 bbls 400 Psi 4:39 AM 7.0 bbls/m

40 bbls 400 Psi 4:42 AM 6.0 bbls/m

46.5 bbls 360 Psi 4:45 AM 1.0 bbls/m

Bump Plug 690 Psi at 4:45 AM Float Collar Held

USED 20% Excess = 305 sks, 68.98 bbls Slurry

Avg Cement 2.99 bbls/m

Left with 395 sks, 16 oz Dye, 6 qts KCL

7 bbls Slurry to the P.T

*MSillon*  
AUTHORIZATION TO PROCEED

TITLE

10-21-11

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