

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10579

LOCATION 46-61

FOREMAN Kirkellhoff  
Jossy Davis

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
10-26-11	State C24-28	24	4N	64W	Weld	
CHARGE TO Noble		OWNER				
MAILING ADDRESS		OPERATOR Noble				
CITY		CONTRACTOR Code 21				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION 5:00am		TIME LEFT LOCATION 8:00am				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 673	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBD 616.95	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 7/8	TUBING CONDITION		TUBING		
CASING DEPTH 662.75		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 24 lb	PACKER DEPTH		[ ] SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION good			[ ] PRODUCTION CASING		INITIAL BPM
			[ ] SQUEEZE CEMENT		FINAL BPM
			[ ] ACID BREAKDOWN		MINIMUM BPM
			[ ] ACID STIMULATION		MAXIMUM BPM
			[ ] ACID SPOTTING		AVERAGE BPM
			[ ] MISC PUMP		
			[ ] OTHER		HYD HHP = RATE X PRESSURE X 40.8

INSTRUCTIONS PRIOR TO JOB: Rig up, safety meeting, Psitest, Per Coman, 39.2 BBLs KEL H2O, 2nd 104 Dye, mix Pump  
285 sks cement at 30% excess at 1.27 yielded at 15.2 lbs cement till coman stops us, no more than 50% excess  
Release Plug Disp 39.2 BBLs H2O, Pump Plug at 150 psi air Lift Bi, wait 5 min, Release Psi, wash  
up, Rig Down H2O test OK  
Arrived w/ 575 sks cement 4 small KEL 16oz Dye 64.4 BBLs slurry

JOB SUMMARY  
DESCRIPTION OF JOB EVENTS: safety meeting 6:30am over 6:43am cement 6:52am  
Drop Plug 7:16am Displace 7:16am

10 BBLs at 5.0 BBLs/m 7:19am 280psi used 36% excess  
20 BBLs at 5.0 BBLs/m 7:21am 330psi used 300 sks cement  
30 BBLs at 5.0 BBLs/m 7:23am 390psi 67.8 BBLs slurry  
39.2 BBLs at 1.0 BBLs/m 7:30am 250psi  
Bump Plug 7:30am 470psi

1st w/ 275 sks cement 3 small KEL 16oz Dye BBLs Back 2

AUTHORIZATION TO PROCEED

TITLE

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.