

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9512

LOCATION C-47-50

FOREMAN Kirk Kallhauff  
Mike R. Tucker L Guy T

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
11-9-10	Anderson PLF 35-23	35	5N	6SW	Weld	

CHARGE TO Noble	OWNER
MAILING ADDRESS	OPERATOR Noble
CITY	CONTRACTOR Ensign 126
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION 8:00pm	TIME LEFT LOCATION 12:00am

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH 706.1	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 654.47	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 7/8	TUBING CONDITION		TUBING		

CASING DEPTH 701.25	TREATMENT VIA	TYPE OF TREATMENT	TREATMENT RATE
CASING WEIGHT 2416	PACKER DEPTH	1 SURFACE PIPE	BREAKDOWN BPM
CASING CONDITION good		[ ] PRODUCTION CASING	INITIAL BPM
		[ ] SQUEEZE CEMENT	FINAL BPM

PRESSURE SUMMARY			
BREAKDOWN or CIRCULATING psi	AVERAGE psi	[ ] ACID BREAKDOWN	MINIMUM BPM
FINAL DISPLACEMENT psi	ISIP psi	[ ] ACID STIMULATION	MAXIMUM BPM
ANNULUS psi	5 MIN SIP psi	[ ] ACID SPOTTING	AVERAGE BPM
MAXIMUM psi	15 MIN SIP psi	[ ] MISC PUMP	
MINIMUM psi		[ ] OTHER	HYD HHP = RATE X PRESSURE X 40.8

INSTRUCTIONS PRIOR TO JOB: Rig up safety meeting, psi test, circ 40 BBLs H2O, 2nd 10% dye, mix Pump 299SKs cement at 30% excess at 127 yield at 152 lbs or until cement stops, Release Plug Displace 41.6 BBLs H2O Pump Plug at 150psi over LIFT psi wait 5 min Release psi wash up Rig Down

Arrived w/ 650SKs cement 4 gallons Kcl 16oz Dye M70 test OK  
67.4 BBLs slurry

JOB SUMMARY  
DESCRIPTION OF JOB EVENTS: safety meeting 10:25pm circ 10:50pm cement 11:01pm  
Drop Plug 11:19pm Displace 11:19pm

used 2790 excess  
used 293SKs cement  
65.9 BBLs slurry

16 BBLs at 5.5 BBLs/m 11:21pm 360psi  
20 BBLs at 5.5 BBLs/m 11:23pm 430psi  
30 BBLs at 5.5 BBLs/m 11:27pm 520psi  
40 BBLs at 1.0 BBLs/m 11:31pm 270psi  
41.6 BBLs at 1.0 BBLs/m 11:32pm 290psi  
Pump Plug 11:32pm 450psi

LPHW/ 357SKs cement 3 gallons Kcl 6oz Dye BBLs Bril 15

Kandy Bayle  
AUTHORIZATION TO PROCEED

TITLE

11-9-10

DATE

Customers hereby acknowledge and specifically agree 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