

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9731

LOCATION cr 51-70

FOREMAN Kirk Kallho  
Mike R LR Jessie

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
4-2-11	Carlson A 18-17	18	6N	64W	weld	

CHARGE TO Noble	OWNER
MAILING ADDRESS	OPERATOR Noble
CITY	CONTRACTOR Cade 21
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION 8:00 am	TIME LEFT LOCATION 4:00 pm

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH 695	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 639.91	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 7/8	TUBING CONDITION		TUBING		
CASING DEPTH 685.56		TREATMENT VIA	TYPE OF TREATMENT		
CASING WEIGHT 24 LB	PACKER DEPTH		TREATMENT RATE		
CASING CONDITION good			1 SURFACE PIPE	BREAKDOWN BPM	
			[ ] 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	

### 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	

INSTRUCTIONS PRIOR TO JOB: Rig up, safety meeting, Psit test, circ 40 BBLs KCL H2O and 10% Dye, mix 294 SKS cement at 30% Excess at 127 yield out 15.2 lbs or until cement stops us, Release Plug Displace 40.7 BBLs H2O, Bump Plug at 150 psi over Lift Psi, wait 5 min Release Psi, wash up, Rig Down.

Arrived w/ 575 SKS cement 4 gal KCL 16% Dye H2O test OK  
66.4 BBLs slurry

JOB SUMMARY  
DESCRIPTION OF JOB EVENTS: safety meeting 2:37pm circ 2:46pm cement 2:53pm  
Drop Plug 3:12pm Displace 3:13pm

10 BBLs At 7.0 BBLs/m 3:15pm 290 psi used 30% Excess  
20 BBLs At 7.0 BBLs/m 3:17pm 30 psi used 294 SKS cement  
30 BBLs At 7.0 BBLs/m 3:18pm 450 psi 66.4 BBLs slurry  
40 BBLs At 1.0 BBLs/m 3:22pm 280 psi  
40.7 BBLs At 1.0 BBLs/m 3:23pm 280 psi  
Bump Plug 3:23pm 520 psi

Lift w/ 281 SKS cement 3 gallons KCL 20% Dye BBLs Back 10

Authorized to Proceed

TITLE

4-2-11

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