

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9860

LOCATION Hwy 34-50

FOREMAN Kirk Kallho FF  
mike R LR

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
6-14-11	Carmin 458 CL 05-17D	SN	4N	63W	weld	

CHARGE TO Noble	OWNER
MAILING ADDRESS	OPERATOR Noble
CITY	CONTRACTOR Ensigh 121
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION 2:00pm	TIME LEFT LOCATION 5:00pm

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH 682	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 615.52	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 7/8	TUBING CONDITION		TUBING		
CASING DEPTH 661.02		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 2416	PACKER DEPTH		[X] SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION good			[ ] PRODUCTION CASING		INITIAL BPM
PRESSURE SUMMARY			[ ] SQUEEZE CEMENT		FINAL BPM
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, Cicer 4034s KCL H2O 2nd 10 w/ Dye, mix & Pump 289 SKS cement at 30% excess at 127 yd at 15.2 lbs or until cement stops us, NO more than 50% excess per cement. Release Plug, Disp 39.2 BBls H2O, Bump Plug at 150 psi over LIFT psi, wait 5 min Release Psi, wash up Rig Down H2O test OK  
Arrived w/ 650 SKS cement 4 gal KCL 16oz Dye 65.1 BBls slurry

JOB SUMMARY  
DESCRIPTION OF JOB EVENTS: safety meeting 3:36 pm cicer 3:56 pm cement 4:05 pm  
Drop Plug 4:19 pm Disp 4:19 pm  
10 BBls at 5.5 BBls/m 4:22 pm 290 psi used 8% excess  
20 BBls at 5.5 BBls/m 4:24 pm 350 psi used 222 SKS cement  
30 BBls at 3.5 BBls/m 4:26 pm 320 psi 50.1 BBls slurry  
39.2 BBls at 1.0 BBls/m 4:32 pm 290 psi  
Bump Plug 4:32 pm 490 psi

LIFT w/ 428 SKS cement 3 gal KCL 6oz Dye

13 BBls Back 7

*Mary Stoltz*  
AUTHORIZATION TO PROCEED

TITLE

6-14-11

DATE