

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10586

LOCATION 46-61

FOREMAN Kirk Kallhaas  
Jassy Mike S. Rob

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
11-9-11	Stader CC 18-24	18	4N	63W	weld	

CHARGE TO Noble	OWNER
MAILING ADDRESS	OPERATOR Noble
CITY	CONTRACTOR Saxon 1413
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION 10:30pm	TIME LEFT LOCATION 1:30am

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH 660	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 607.8	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 7/8	TUBING CONDITION		TUBING		
CASING DEPTH 653.5		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 2416	PACKER DEPTH		[X] 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

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, Psited, Per conan, C/cr 40 bbls Kcl H2O, 2nd 10w/ Dye, mix & Pump  
279 sks cement at 30% Excess at 11:27 yield at 15.2 lbs or until cement stop us, use more than 50% Excess  
Release Plug Disp 38.7 BBLs H2O, Bump Plug At 150 psi over Lift Psi, wait 5 min, Release PSZ,  
Hydrate Rig Down H2O test OK  
Arrived w/ 750 sks cement 4 gal Kcl 16oz Dye 63.1 BBLs slurry

JOB SUMMARY  
DESCRIPTION OF JOB EVENTS safety meeting 11:06pm C/cr 11:49pm cement 11:57pm

Drop Plug 12:27am Displace 12:27am  
10 BBLs At 5.5 BBLs/min 12:30am 250psi  
20 BBLs At 4.5 BBLs/min 12:32 am 300psi  
30 BBLs At 4.5 BBLs/min 12:34 am 330psi  
38.7 BBLs At 1.0 BBLs/min 12:39 am 250psi  
Bump Plug 12:39 am 450psi  
Float Didn't hold  
Used 30% Excess  
used 279 sks cement  
63.1 BBLs slurry

Lftr/ 471 sks cement 3 gal Kcl 6oz Dye 1 BBLs Back 5

AUTHORIZATION TO PROCEED  
TITLE  
DATE 11-9-11