

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9311

LOCATION CR 57-40

FOREMAN Kirk Kellard

mike R Tucker

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
10-10-10	Gutherson D12-20	12	3N	64W	weld	

CHARGE TO Noble	OWNER
MAILING ADDRESS	OPERATOR Noble
CITY	CONTRACTOR Ensign 55
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION 10:00pm	TIME LEFT LOCATION 2:00am

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH 745.1	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 688.6	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 7/8	TUBING CONDITION		TUBING		
CASING DEPTH 732.6		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 2415	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, set pipe, meeting, Psidest, circ 40 BBLs H2O 2nd 10w/Dye, mix & Pump 315 SKS cement at 30% excess at 1:27 yield at 152145 or until cement stops w/s, Release Plug, Displace 43.8 BBLs H2O, Bump Plug at 150 psi overkill Ps, wait 5 min Release Ps, wash up Rig down H2O to seal

Arised w/575 SKS cement 4 gallons Kel 16oz Dye 71.1 BBLs slurry

### JOB SUMMARY

DESCRIPTION OF JOB EVENTS set pipe meeting 12:27am circ 12:35am cement 12:44am  
Drop Plug 1:07am Displace 1:07am

10 BBLs at 5.5 BBLs/m 1:10am 350psi  
20 BBLs at 5.5 BBLs/m 1:12am 450psi  
30 BBLs at 5.5 BBLs/m 1:14am 550psi  
10 BBLs at 2.5 BBLs/m 1:17am 350psi  
43.8 BBLs at 1.0 BBLs/m 1:20am 290psi  
Bump Plug 1:20am 460psi

used 20% excess  
used 293 SKS cement  
65.7 BBLs slurry

1 Pw/202 SKS cement 3 gallons Kel 6oz Dye

13 BBLs Back 13

*[Signature]*

AUTHORIZATION TO PROCEED

TITLE

10-10-10

DATE