

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10228

LOCATION 55-70

FOREMAN Kirk Kallhoff  
mike R LR

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
7-12-11	Howard USX A-09-09D	09	6N	64W	Weld	
CHARGE TO Noble			OWNER			
MAILING ADDRESS			OPERATOR Noble			
CITY			CONTRACTOR Saxon 1413			
STATE ZIP CODE			DISTANCE TO LOCATION			
TIME ARRIVED ON LOCATION 5:00am			TIME LEFT LOCATION 7:00am			

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 710	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBID 660.89	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 705.69		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 2415	PACKER DEPTH		+ 1 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, Pstest, circ 40 BBLs KCL H2O, 2nd 10 gal Dye, mix Pump 300 SKS cement at 30% excess at 1.27 yield at 15.2 lbs or until cement stops, no more than 30% excess, Release Plug Displace 42 BBLs H2O, Bump Plug at 150 psi over LPT-psi, wait 5 min Release Pstest up Rig down 1-120 deg OK

Arrived w/ 650 SKS cement, 4 gal KCL 16oz Dye 67.8 BBLs slurry

JOB SUMMARY  
DESCRIPTION OF JOB EVENTS: safety meeting 5:32am circ 5:40am cement 5:57am  
Drop Plug 6:11am Disp 6:11am  
10 BBLs at 5.5 BBLs/m 6:20am 280 psi used 2% excess  
20 BBLs at 5.5 BBLs/m 6:22am 330 psi used 236 SKS cement  
30 BBLs at 5.5 BBLs/m 6:24am 460 psi 53.2 BBLs slurry  
40 BBLs at 2.5 BBLs/m 6:27am 350 psi  
42 BBLs at 1.0 BBLs/m 6:29am 290 psi  
Bump Plug 6:29am 430 psi

LPT at 414 SKS cement 3 gal KCL 16oz Dye BBLs Back 10

*[Signature]*  
AUTHORIZATION TO PROCEED

TITLE

7-12-11

DATE