

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 11224

LOCATION 49-30

FOREMAN Kirk Railhoffs
Mike R Mike P Guston

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
7-29-12	Adams D30-30D	30	3N	64W	weld	

CHARGE TO Noble	OWNER
MAILING ADDRESS	OPERATOR Noble
CITY	CONTRACTOR Saxon 143
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION 9:30pm	TIME LEFT LOCATION 1:30am

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH 740	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 691	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 732		TREATMENT VIA	TYPE OF TREATMENT		
CASING WEIGHT 2416	PACKER DEPTH		TREATMENT RATE		
CASING CONDITION good			[] SURFACE PIPE		
			[] PRODUCTION CASING		
			[] SQUEEZE CEMENT		
			[] ACID BREAKDOWN		
			[] ACID STIMULATION		
			[] ACID SPOTTING		
			[] MISC PUMP		
			[] OTHER		

PRESSURE SUMMARY				TREATMENT RATE	
BREAKDOWN or CIRCULATING psi	AVERAGE psi			INITIAL BPM	
FINAL DISPLACEMENT psi	ISIP psi			FINAL BPM	
ANNULUS psi	5 MIN SIP psi			MINIMUM BPM	
MAXIMUM psi	15 MIN SIP psi			MAXIMUM BPM	
MINIMUM psi				AVERAGE BPM	
				HYD HHP = RATE X PRESSURE X 40.8	

INSTRUCTIONS PRIOR TO JOB Rig up, safety meeting, Ps. test Per remain Cier 40 BBLs Kel H2O, 2nd 1000 Dye mix E Pump 314 SKs cement at 30% Excess at 127 yield at 15.2 BS or until stopped By Roman, Release Plug Disp 44 BBLs H2O, Bump Plug at 150psi or Lift Psi, wait 5min Release Psi, wash up H2O test OK
Rig Down
Arrived w/ 650 SKs cement 4 gal Kel 16oz Dye 71 BBLs slurry

JOB SUMMARY
DESCRIPTION OF JOB EVENTS safety meeting 11:28pm Cier 11:54pm cement 12:03pm stop cement 12:24pm
Drop Plug 12:27am Displace 12:27am

10 BBLs At 5.5 BBLs/m 12:30am 300psi used 57% Excess
20 BBLs At 5.5 BBLs/m 12:32am 400psi used 379 SKs cement
30 BBLs At 5.5 BBLs/m 12:34am 450psi 85.7 BBLs slurry
40 BBLs At 3.5 BBLs/m 12:37am 400psi
44 BBLs At 1 BBL/m 12:39am 300psi
Bump Plug 12:39am 600psi

Left w/ 271 SKs cement 3 gal Kel 6oz Dye BBLs Back 19

[Signature] WSS 7-29-12
AUTHORIZATION TO PROCEED TITLE DATE