

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9845

LOCATION 57-40

FOREMAN Kirk Kallhoff
Mike R CR Jessie

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
5-19-11	State D01-30D	36	4N	64W	Weld	

CHARGE TO Noble	OWNER
MAILING ADDRESS	OPERATOR Noble
CITY	CONTRACTOR Saxon 145
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION 2:00am	TIME LEFT LOCATION 11:30am

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH 670	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 617.42	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 7/8	TUBING CONDITION		TUBING		
CASING DEPTH 661.33		TREATMENT VIA	TYPE OF TREATMENT		
CASING WEIGHT 24 lb	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		BREAKDOWN BPM		
FINAL DISPLACEMENT psi	ISIP psi		INITIAL BPM		
ANNULUS psi	5 MIN SIP psi		FINAL BPM		
MAXIMUM psi	15 MIN SIP psi		MINIMUM BPM		
MINIMUM psi			MAXIMUM BPM		
			AVERAGE BPM		
			HYD HHP = RATE X PRESSURE X 40.8		

INSTRUCTIONS PRIOR TO JOB: Rig up, safety meeting, psi test, circ 40 BBLs KCL H2O, 2nd 10w/ Dye, mix Pump 284 SKS cement at 30% excess at 1.27 gpm at 15.2 155 or until common steps are. Release Plug, Displace 39.3 BBLs H2O, Bump Plug at 150 psi over LIFT psi, wait 5 min, Release psi, washup Rig, Down

Arrived w/ 575 SKS cement 4 gallons KCL 16oz Dye H2O test OK
64 BBLs slurry

JOB SUMMARY

DESCRIPTION OF JOB EVENTS: safety meeting 9:25am circ 10:06am cement 10:18am

Drop Plug 10:37am Displace 10:37am

10 BBLs at 4.0 BBLs/m 10:40am 150psi

20 BBLs at 4.0 BBLs/m 10:43am 290psi

30 BBLs at 3.5 BBLs/m 10:46am 350psi

39.3 BBLs at 1.0 BBLs/m 10:50am 300psi

Bump Plug 10:50am 470psi

used 0% excess

used 218 SKS cement

49.2 BBLs slurry

LIFT w/ 357 SKS cement 3 gal KCL 6oz Dye

BBLs Back 16

AUTHORIZATION TO PROCEED

TITLE

DATE