

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10242

LOCATION 46-29

FOREMAN Kirk Kallhoff
Mike R CR marks

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
8-5-11	Five Rivers K08-07D	8	4N	66W	Weld	

CHARGE TO Noble	OWNER
MAILING ADDRESS	OPERATOR Noble
CITY	CONTRACTOR Ensign 121
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION 5:00 am	TIME LEFT LOCATION 7:45 am

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH 625	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBD 583.07	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 5/8	TUBING CONDITION		TUBING		

PRESSURE SUMMARY			TREATMENT RATE	
BREAKDOWN or CIRCULATING psi	AVERAGE psi		TYPE OF TREATMENT	BREAKDOWN BPM
FINAL DISPLACEMENT psi	ISIP psi		[] SURFACE PIPE	INITIAL BPM
ANNULUS psi	5 MIN SIP psi		[] PRODUCTION CASING	FINAL BPM
MAXIMUM psi	15 MIN SIP psi		[] SOOZE CEMENT	MINIMUM BPM
MINIMUM psi			[] ACID BREAKDOWN	MAXIMUM BPM
			[] ACID STIMULATION	AVERAGE BPM
			[] ACID SPOTTING	
			[] MISC PUMP	
			[] OTHER	HYD HHP = RATE X PRESSURE X 40.8

INSTRUCTIONS PRIOR TO JOB Rig up, safety meeting, Bit test, circ 40545 KCL H2O, 2nd 1000 Dye, mix Pump 265 SKS cement at 30% Excess at 1.27 yd at 15.2 ISS or until cement stops up, no more than 80% Excess per cement, Release Plug Disp 37.1 BBLS H2O, Bump Plug at 150 psi over Lift Psi, wait 5 min Release Psi, wash up
Big Down
H2O test OK
Arrived w/ 650 SKS cement 4 gal KCL 16oz Dye
59.7 BBLS slurry

JOB SUMMARY

DESCRIPTION OF JOB EVENTS safety meeting 6:06 am circ 6:28 am cement 6:38 am
Drop Plug 6:58 am Disp 6:58 am
10 BBLS at 5.5 BBLS/m 7:01 am 400 psi used 50% Excess
20 BBLS at 5.5 BBLS/m 7:03 am 620 psi used 305 SKS cement
30 BBLS at 3.5 BBLS/m 7:07 am 640 psi 68.9 BBLS slurry
37.1 BBLS at 1.0 BBLS/m 7:12 am 630 psi
Bump Plug 7:12 am 780 psi

LPHW/345 SKS cement 3 gal KCL & Dye

BBLS Back 12

Mary Stapleton

AUTHORIZATION TO PROCEED

TITLE

8-5-11

DATE