

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9212

LOCATION cr 55-80

FOREMAN Kirk Kallhoff
Mike R. Tucker

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
7-8-10	Furrow USX AB15 CSP	15	7N	64W	Weld	

CHARGE TO Noble	OWNER
MAILING ADDRESS	OPERATOR Noble
CITY	CONTRACTOR code 21
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION 6:00am	TIME LEFT LOCATION 12:30pm

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 13 1/2	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH 778	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBD 743	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 9 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 788		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 3616	PACKER DEPTH		[] SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION good			[] PRODUCTION CASING		INITIAL BPM
			[] SOOZE 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, Psi test, circ 50 BBLs H2O 2nd 10 w/ Dye mix & Pump 400 SKS cement at 30% excess at 1.27 yield at 15.2 lbs, Release Plug, Displace 57.4 BBLs H2O, Pump Plug at 150 psi over Lift Psi, wait 5 min Release Psi, wait up Rig Down

Arrived w/ 575 SKS cement 4 gallons Kel 1602 Dye 1120 Test OK
70.2 BBLs slurry

JOB SUMMARY
DESCRIPTION OF JOB EVENTS safety meeting 10:30am circ 11:00am cement 11:10am
Drop Plug 11:38am Displace 11:38am
10 BBLs At 5.5 BBLs/m 11:41am 380psi used 440 excess
20 BBLs At 5.5 BBLs/m 11:43am 420psi used 321 SKS
30 BBLs At 5.5 BBLs/m 11:45am 550psi 72.2 BBLs slurry
40 BBLs At 5.5 BBLs/m 11:48am 640psi
50 BBLs At 3.5 BBLs/m 11:50am 510psi
57.4 BBLs At 1.0 BBLs/m 11:54am 400psi
Pump Plug 11:54am 550psi

Lift w/ 254 SKS cement 2 gallons 3pts Kel 600 Dye 13 BBLs Back 10

Signature: [Signature] Co Rep 7-8-10
AUTHORIZATION TO PROCEED TITLE DATE