

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9214

LOCATION Cr 51-80

FOREMAN Kirk Kallhoff  
Mike R. Theodor Grant

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
7-11-10	Kellhoff USR AB 17-03P	17	2N	64W	field	

CHARGE TO Noble	OWNER
MAILING ADDRESS	OPERATOR Noble
CITY	CONTRACTOR Ensign 126
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION 2:00am	TIME LEFT LOCATION 8:30am

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH 861	TUBING DEPTH	SHOTS/FT			
PBD 811.1	TUBING WEIGHT	OPEN HOLE			
CASING SIZE 8 5/8	TUBING CONDITION				
CASING DEPTH 855.21		TREATMENT VIA			
CASING WEIGHT 2416	PACKER DEPTH				
CASING CONDITION good					

PRESSURE SUMMARY			TYPE OF TREATMENT		TREATMENT RATE	
BREAKDOWN or CIRCULATING psi	AVERAGE psi		<input checked="" type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM	
FINAL DISPLACEMENT psi	ISIP psi		<input type="checkbox"/> PRODUCTION CASING		INITIAL BPM	
ANNULUS psi	5 MIN SIP psi		<input type="checkbox"/> SQUEEZE CEMENT		FINAL BPM	
MAXIMUM psi	15 MIN SIP psi		<input type="checkbox"/> ACID BREAKDOWN		MINIMUM BPM	
MINIMUM psi			<input type="checkbox"/> ACID STIMULATION		MAXIMUM BPM	
			<input type="checkbox"/> ACID SPOTTING		AVERAGE BPM	
			<input type="checkbox"/> MISC PUMP			
			<input type="checkbox"/> OTHER			
					HYD HHP = RATE X PRESSURE X 40.8	

INSTRUCTIONS PRIOR TO JOB Rig up, safety meeting, Psit test, circ 50 BBLs H2O and 10 gal Dye, mix & Pump 324 SKS cement at 30% excess at 1.27 yield at 15.2 IS or until cement stops in, Release Plug Displace 51.6 BBLs H2O, Pump Plug at 150psi over LHD psi wait 5 min Release psi work up rig Down H2O test OK

Arrived w/ 750 SKS cement 4 gallons KCL 16oz Dye 82.2 BBLs slurry

JOB SUMMARY DESCRIPTION OF JOB EVENTS Safety meeting 3:56am circ 7:16am cement 7:27am

Drop Plug 7:53am Displace 7:53am

used 294 SKS cement

10 BBLs At 5.0 BBLs/m 7:56am 380psi

20 BBLs At 5.0 BBLs/m 7:59am 510psi

30 BBLs At 5.0 BBLs/m 8:01am 510psi

40 BBLs At 5.0 BBLs/m 8:03am 580psi

50 BBLs At 3.0 BBLs/m 8:08am 410psi

51.6 BBLs At 1.0 BBLs/m 8:09am 380psi

Pump Plug 8:09am 500psi

LFT w/ BBLs BAIL 37

7-11-10 DATE

AUTHORIZATION TO PROCEED TITLE