

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9009

LOCATION WCR 34-55

FOREMAN Kirk Kallho

Mike R Mike D Mike's Allen R

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
5-26-10	Gutherson state D16-18	16	3N	64W	weld	

CHARGE TO <u>Woble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Woble</u>
CITY	CONTRACTOR <u>Ensign 128</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>11:30pm</u>	TIME LEFT LOCATION <u>4:30am</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>657.2</u>	TUBING DEPTH	SHOTS/FT		SURFACE PIPE ANNULUS LONG	
PBD <u>645.94</u>	TUBING WEIGHT	OPEN HOLE		STRING	
CASING SIZE <u>8 5/8</u>	TUBING CONDITION			TUBING	
CASING DEPTH <u>649.94</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>2416</u>	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION <u>good</u>			<input type="checkbox"/> PRODUCTION CASING		INITIAL BPM

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

INSTRUCTIONS PRIOR TO JOB Rig up, set log, meeting, psi test, circ 30 gals H2O and 10 gals Dye mix Pump 275 sks cement at 30% excess at 1.27 yield at 15.2 lbs around 15 man stops, Release Plug Displace 38.5 BBLS H2O, Bump Plug at 150 psi, Lift Psi, wait 5 min Release Psi, wash up Rig Down H2O lost OK

Arrived w/ 575 sks cement 4 gallons KCL 16oz Dye 62.7 BBLS slurry

JOB SUMMARY DESCRIPTION OF JOB EVENTS set log, meeting 3:10am circ 3:20am cement 3:27am Drop Plug 3:50am Displace 3:50am

10 BBLS at 5.5 BBLS/m 3:54am 370 psi used 40% excess per column used 300 sks cement 67.6 BBLS slurry  
20 BBLS at 5.5 BBLS/m 3:56am 430 psi  
30 BBLS at 3.5 BBLS/m 3:58am 350 psi  
38.5 BBLS at 1.0 BBLS/m 4:02am 350 psi  
Bump Plug 4:02am 450 psi

Lift w/ 275 sks cement 3 gallons 1st KCL 6oz Dye BBLS Back 15

J. B. B.  
AUTHORIZATION TO PROCEED

TITLE

5-26-10

DATE