

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 8756

LOCATION 40CB-47-64

FOREMAN Kirk Kallho
Daniel, Mike, Fred

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
<u>2-6-10</u>	<u>Singin state E 36-20</u>	<u>36</u>	<u>6N</u>	<u>6SW</u>	<u>Weld</u>	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR
CITY	CONTRACTOR <u>Cade 21</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>10:30pm</u>	TIME LEFT LOCATION <u>1:30am</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>573.9</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBD 523.53</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>566.01</u>		TREATMENT VIA	TYPE OF TREATMENT		
CASING WEIGHT <u>3216</u>	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE	TREATMENT RATE	
CASING CONDITION <u>Good</u>			<input type="checkbox"/> PRODUCTION CASING	BREAKDOWN BPM	
			<input type="checkbox"/> SQUEEZE CEMENT	INITIAL BPM	
			<input type="checkbox"/> ACID BREAKDOWN	FINAL BPM	
			<input type="checkbox"/> ACID STIMULATION	MINIMUM BPM	
			<input type="checkbox"/> ACID SPOTTING	MAXIMUM BPM	
			<input type="checkbox"/> MISC PUMP	AVERAGE BPM	
			<input type="checkbox"/> 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 Big up, Soften, making, circ 30 BBLs Kel H2O and 10 w/Dye, mix Pump 2413 SKs, 30% cement at 1.27 yield at 15.2 lbs or until column stops us, Release Plug Displace 31.8 BBLs of H2O Pump Plug at 150 psi over Lift PSI wait 5 min Raise psi wash up Rig Down

Arrived w/ 575 SKs cement 4 gallons KCL 16oz Dye H2O Test OK
541.8 BBLs slurry

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Softening making 11:57pm circ 12:13am cement 12:24am Drop Plug 12:44am Displace 12:44am

10 BBLs at 5.5 BBLs/m 160 psi 12:47am used 321 SKs cement
20 BBLs at 5.5 BBLs/m 320 psi 12:50am 71% excess
30 BBLs at 1.0 BBLs/m 200 psi 12:54am 22.1 BBLs slurry
31.8 BBLs 320 psi at 12:57am
Pump Plug 320 psi 12:57am

Left w/ 254 SKs cement 3 gal 2 gals Kel 6oz Dye BBLs Basil 17

John B...

AUTHORIZATION TO PROCEED

TITLE

2-6-10

DATE