

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9850

LOCATION 34-53

FOREMAN Kirk Kallho
Mike R. L.R. Richard

TREATMENT REPORT

DATE <u>5-28-11</u>	WELL NAME <u>Guterson D22-27</u>	SECTION <u>22</u>	TWP <u>3N</u>	RGE <u>64W</u>	COUNTY <u>Weld</u>	FORMATION
CHARGE TO <u>Noble</u>		OWNER				
MAILING ADDRESS		OPERATOR <u>Noble</u>				
CITY		CONTRACTOR <u>Ensign 55</u>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>6:00am</u>		TIME LEFT LOCATION <u>9:30am</u>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>712</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 660.55</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>704</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>2415</u>	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION <u>good</u>			<input type="checkbox"/> PRODUCTION CASING		INITIAL BPM
			<input type="checkbox"/> SQUEEZE CEMENT		FINAL BPM
			<input type="checkbox"/> ACID BREAKDOWN		MINIMUM BPM
			<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, psi test, circ 40 BBLs KCL H2O, 2nd 10m Dye, mixe Pump 301
sls cement at 30% Excess at 1.27 yield at 15.2 lbs or until 11 cement stops us, Release Plug Disp 42
BBLs H2O, Bump Plug at 150 psi over Lift psi, wait 5min Release psi, wash up, Rig Down.
H2O test OK

Arrived w/ 575 sls cement 4 gallons KCL 16oz Dye 68 BBLs slurry

JOB SUMMARY
DESCRIPTION OF JOB EVENTS safety meeting 8:11am circ 8:22am cement 8:34am
Drop Plug 8:54am Disp 8:54am
10 BBLs AT 4.0 BBLs/m 8:57am 160 psi used 13% Excess
20 BBLs AT 4.0 BBLs/m 9:00am 250 psi used 264 sls cement
30 BBLs AT 4.0 BBLs/m 9:03am 330 psi 59.1 BBLs slurry
40 BBLs AT 2.5 BBLs/m 9:09am 350 psi
42 BBLs AT 1.0 BBLs/m 9:11am 300 psi
Bump Plug 9:11am 470 psi

Lift w/ 311 sls cement 3 gal KCL BBLs Baril 8

[Signature] WSS 5/28/11
AUTHORIZATION TO PROCEED TITLE DATE