

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10134  
LOCATION 46 & 31  
FOREMAN Grant Lowe

## TREATMENT REPORT

DATE <u>6-24-11</u>	WELL NAME <u>Five Rivers K03-33D</u>	SECTION <u>3</u>	TWP <u>4N</u>	RGE <u>66W</u>	COUNTY <u>Weld</u>	FORMATION
CHARGE TO <u>Noble</u>		OWNER				
MAILING ADDRESS		OPERATOR <u>Noble</u>				
CITY		CONTRACTOR <u>Ensign #126</u>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>3:10 AM</u>		TIME LEFT LOCATION <u>6:45 AM</u>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>616</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD <u>564.86</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>616</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>24 lbs</u>	PACKER DEPTH		[ ] SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION <u>6000</u>			[ ] PRODUCTION CASING		INITIAL BPM
			[ ] SQUEEZE 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

INSTRUCTIONS PRIOR TO JOB: Rig up. Safety meeting per Co Man. Press test to 500psi - Circulate 40 bbls KCL/H<sub>2</sub>O with dye x's 16oz 2<sup>nd</sup> 10 bbls. Cement mix and pump 15.2 density @ 1.27 yield until dye is seen, not to exceed 35% excess without consulting Co man pump tub only. Drop plug. Displace 35.9 bbls. Bump plug @ 150psi over lift press. Wait 5 min. release press. Wash up. Rig down H<sub>2</sub>O good. Arrived on location with 700 sks, 32oz dye, 14 gts KCL

JOB SUMMARY  
DESCRIPTION OF JOB EVENTS: Safety meeting @ 5:15 am, Circulate @ 5:28 am, Cement 5:35 to 5:51 am  
Drop plug @ 5:52 am, Displace @ 5:54 am  
10 bbls 300 psi @ 5:55 am @ 7.0 bbls/min 35% Excess  
20 bbls 390 psi @ 5:56 am @ 7.0 bbls/min 61.2 bbls slurry  
30 bbls 430 psi @ 5:58 am @ 7.0 bbls/min 271 - Sacks  
35.9 bbls 390 psi @ 5:59 am @ 1.0 bbls/min 3 bbls - pit  
Bump plug @ 600 psi @ 6:00 am Float collar held  
Left location with 429 sks, 16oz dye, 10 gts KCL

*Robert Chalk*  
AUTHORIZATION TO PROCEED

TITLE

6-24-11  
DATE