

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10147  
LOCATION 434 Z6  
FOREMAN Grant Lowe

## TREATMENT REPORT

DATE <b>7-15-11</b>	WELL NAME <b>Cannon H35-21</b>	SECTION <b>35</b>	TWP <b>3N</b>	RGE <b>65W</b>	COUNTY <b>Weld</b>	FORMATION
CHARGE TO <b>Noble</b>		OWNER				
MAILING ADDRESS		OPERATOR <b>Noble</b>				
CITY		CONTRACTOR <b>Code # 21</b>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <b>11:00pm</b>		TIME LEFT LOCATION <b>5:00am</b>				

WELL DATA		PRESSURE LIMITATIONS			
HOLE SIZE <b>12 1/4</b>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <b>757</b>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<b>PBTD 706.71</b>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <b>8 5/8</b>	TUBING CONDITION		TUBING		
CASING DEPTH <b>747.83</b>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <b>24lbs</b>	PACKER DEPTH		[ ] SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION <b>Good</b>			[ ] 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

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 **Rig up, Safety meeting, Per Co man, Press test to 500psi, Circulate 40bbls @ 20/REL with dye x's 16oz in 2nd 10bbls. Mix and pump cement @ 15.2 density @ 1.27 yield cent. If dye is seen, pump tub only, not to exceed 50% without consulting Co man. Drop plug. Displace 14.6 bbls, bump plug @ 150psi over lift press wait 5min, release press. Washup Rig down, H2O test @ goal. Arrived on location with 620 sks, 16oz dye, 15gts KCL.**

JOB SUMMARY  
DESCRIPTION OF JOB EVENTS **Safety meeting @ 3:00am, Circulate @ 3:32am, Cement @ 3:39 to 3:59am**  
**Drop plug @ 4:01am, Displace @ 4:03am**  
**10 bbls @ 280psi @ 4:03am @ 7.0bbls/min** **22% EXCESS**  
**20bbls @ 380psi @ 4:04am @ 7.0bbls/min** **300 Sacks**  
**30bbls @ 480psi @ 4:06am @ 7.0bbls/min** **67.8bbls Slurry**  
**40bbls @ 320psi @ 4:10am @ 5.0bbls/min** **8bbls to pit**  
**44.6bbls @ 320psi @ 4:11am @ 1.0bbls/min**  
**Float collar held.**  
**Bump plug @ 4:11am @ 520psi**

**left location with 320 sks, 16oz dye, 11gts KCL**

AUTHORIZATION TO PROCEED

TITLE

DATE

**7-15-11**