

# BISON OIL WELL CEMENTING, INC.



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REL INVOICE # 11258  
 LOCATION 92731  
 FOREMAN Tucker Whitman

## TREATMENT REPORT

DATE <u>9/1/12</u>	WELL NAME <u>Cannon Co 15-67-140</u>	SECTION <u>15</u>	TWP <u>2N</u>	RGE <u>66W</u>	COUNTY <u>Weld</u>	FORMATION
CHARGE TO <u>Uoble</u>	OWNER		OPERATOR <u>Uoble</u>			
MAILING ADDRESS	CONTRACTOR <u>Ensign 132</u>		DISTANCE TO LOCATION			
CITY	TIME ARRIVED ON LOCATION <u>6:00 am</u>		TIME LEFT LOCATION <u>9:00 pm</u>			
STATE ZIP CODE	WELL DATA		PRESSURE LIMITATIONS			

HOLE SIZE	TUBING SIZE	PERFORATIONS	PRESSURE LIMITATIONS	
TOTAL DEPTH	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG	INSTRUCTED
<u>13.375</u>				
<u>946</u>				
<u>945</u>				
<u>956</u>				
<u>986</u>				
<u>36 lbs</u>				
<u>600'</u>				

PRESSURE SUMMARY		TYPE OF TREATMENT		TREATMENT RATE	
BREAKDOWN OF CIRCULATING	AVERAGE	<input checked="" type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM		
FINAL DISPLACEMENT	OSP	<input type="checkbox"/> PRODUCTION CASING	INITIAL BPM		
ANNULUS	5 MIN SIP	<input type="checkbox"/> SQUEEZE CEMENT	FINAL BPM		
MAXIMUM	15 MIN SIP	<input type="checkbox"/> ACID BREAKDOWN	MINIMUM BPM		
MINIMUM		<input type="checkbox"/> ACID STIMULATION	MAXIMUM BPM		
		<input type="checkbox"/> ACID SPOTTING	AVERAGE BPM		
		<input type="checkbox"/> MISC PUMP			
		<input type="checkbox"/> OTHER	HYD HPH = RATE X PRESSURE X 40.8		

INSTRUCTIONS PRIOR TO JOB Ris up Safety printing Pif test per ce-ation cire 30 bbls Kcl mix + pump 333 sk cement at 20% excess w/ yield 1.32 at 14.8 lbs then mix + pump tail of 140 sks w/ yield 1.27 at 15.2 lb. Release plug disp 73 bbls H<sub>2</sub>O bump log 150 psi over 1.5 hrs. wait 5 min allow psi washup rig down. Arrived w/ 750 sks. 110 test ok

### JOB SUMMARY

DESCRIPTION OF JOB EVENTS	Time	Pressure	Notes
10 bbls at	8:09 pm	420 psi	
20 bbls at	8:10	430	
20 bbls at	8:12	490	
40 bbls at	8:21	550	
50 bbls at	8:15	610	
60 bbls at	8:17	670	
70 bbls at	8:19	700	
73 bbls at	8:20	1060	
Bump log at	8:20 pm	1060 psi	

used 20% excess on lead  
Lead 333 sks cement  
Tail 140 sks cement  
78.2 bbls slurry  
31.6 bbls slurry

[Signature] Company Man 9/1/12  
 AUTHORIZATION TO PROCEED TITLE DATE

Customers hereby acknowledges and specifically agrees to the terms and conditions on this work order, including, without limitation, the provisions on the reverse side hereof which include the release and indemnity.