

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10180  
LOCATION WCR 51+44  
FOREMAN CALVIN REIMERS

TREATMENT REPORT

DATE <u>7-16-11</u>	WELL NAME <u>FRICK C 17-79HN</u>	SECTION <u>18</u>	TWP <u>4N</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 Rig 132</u>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>11:00pm</u>		TIME LEFT LOCATION <u>5:30am</u>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>13 3/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>708</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 660.71</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>9 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>703.45</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>36lb.</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, Per Company Man, Circ 50 bbls. H<sub>2</sub>O with KCL + Dye 16 in 2 1/2" 10 bbls  
Mix + pump tell Dye is seen then pump tub only at 15.2 lps, 1.27 yd/l, Don't go over 40% excess  
with out talking to Company Man, Drop plug, Displace 51 bbls. H<sub>2</sub>O, Bump plug at 500 Psi over  
Lift Psi, Wait 5 min. then bleed off Psi, Wash up, Rig down, H<sub>2</sub>O tested good, We have  
700 sks, 32 oz Dye, 20 Qts. KCL,

JOB SUMMARY  
DESCRIPTION OF JOB EVENTS Safety Meeting 3:33am, Circ 3:44am, Cement 3:54am to 4:29am  
Drop Plug 4:30am, Displace 4:31am  
10 bbls 360 Psi 4:34am 7.0 bbls/m  
20 bbls 360 Psi 4:36am 7.0 bbls/m  
30 bbls 440 Psi 4:38am 7.0 bbls/m  
40 bbls 500 Psi 4:40am 7.0 bbls/m  
50 bbls 310 Psi 4:42am 1.0 bbls/m  
51 bbls 310 Psi 4:43am 1.0 bbls/m  
Bump Plug 930 Psi at 4:43am Float Collar Held  
USED 32 1/2% Excess = 389 sks, 87.98 bbls Slurry  
Left with 311 sks, 16 oz Dye, 15 Qts KCL  
17 bbls Slurry To The Pit

Tan [Signature] AUTHORIZATION TO PROCEED  
Rig Supervisor TITLE  
7-17-11 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.