

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9760  
LOCATION WCR 44+55  
FOREMAN Daniel Saltzman

## TREATMENT REPORT

DATE <u>4-5-11</u>	WELL NAME <u>Crocket 22-300</u>	SECTION <u>21</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 178</u>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>10:40 pm</u>		TIME LEFT LOCATION <u>4:30 AM</u>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>630.1</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>POTD 577.45</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>620.81</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>24 #</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, over 30 bbls of H<sub>2</sub>O w/ KCL and 10 w/ 10oz Dye, mix + pump 267 sks of cement @ 30% Excess @ 15-2" @ 1.27 yield or until stopped by Co man, Drop Plug Displace 36.7 bbls of H<sub>2</sub>O, Bump Plug @ 150 psi over 1.14 psi wait 5 min Release psi washup Rig Down

H<sub>2</sub> test ok

Arrival w 700 sks of cement 3 gal KCL 32 oz Dye 60.3 bbls of Slurry

JOB SUMMARY  
DESCRIPTION OF JOB EVENTS Safety meeting 2:42 AM Circ 3:02 AM Cement 3:10 AM  
Drop Plug 3:27 AM Displace 3:27 AM

<u>10 bbls 6.00 m</u>	<u>2:50 AM</u>	<u>3:31 AM</u>	<u>used 267 sks of cement</u> <u>30% Excess</u> <u>60.3 bbls of Slurry</u>
<u>20 bbls 6.00 m</u>	<u>2:20 AM</u>	<u>3:33 AM</u>	
<u>30 bbls 3.50 m</u>	<u>2:70 AM</u>	<u>3:35 AM</u>	
<u>36.7 bbls 1.00 m</u>	<u>3:10 AM</u>	<u>3:38 AM</u>	
<u>Bump Plug 480 psi</u>	<u>3:38 AM</u>		

Left w 433 sks of cement 2 gal 10 KCL 16 oz Dye 10 bbls of Slurry Back

[Signature] 4-5-11  
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.