

# BISON OIL WELL CEMENTING, INC.



1738 Wynkoop St., Ste. 102  
Denver, Colorado 80202  
Phone: 303-296-3010  
Fax: 303-298-8143  
E-mail: bisonoil1@qwestoffice.net

REF. INVOICE # 10622  
LOCATION WCR 46 + 49  
FOREMAN Mike Rosale  
L.R. mark

## TREATMENT REPORT

DATE <u>11-17-11</u>	WELL NAME <u>Nic C-18 240</u>	SECTION <u>18</u>	TWP <u>4</u>	RGE <u>64</u>	COUNTY <u>Weld</u>	FORMATION
CHARGE TO <u>Noble</u>		OWNER				
MAILING ADDRESS		OPERATOR <u>Noble</u>				
CITY		CONTRACTOR <u>Ensign 136</u>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>10:30 PM</u>		TIME LEFT LOCATION <u>2:30</u>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>723</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD <u>668.41</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>713.83</u>	TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE	
CASING WEIGHT <u>241BS</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, Sattymetry, PSI TEST 500, Circulate 40 BBls H<sub>2</sub>O KCL mix  
2 1/2 10 Dye mix + Pump 306 SKS Cement (30% excess) cycled 1:27 AT 15-21BS or until  
Company men stopper us. Release Plug + Displace 42.5 BBls H<sub>2</sub>O Bump Plug 150 over 1 ft  
PSI, wait 5 min Release PSE Wash up Rig Down. H<sub>2</sub>O TEST Good  
Arrive with 750 SKS Cement 129 SKS KCL 16 oz Dye Slurry 69.2  
JOB SUMMARY  
DESCRIPTION OF JOB EVENTS Sattymetry 1200 Circulate 1235 AM Cement 1247 AM  
DROP PLUG 1:20 AM Displace 1:20 AM

10 BBls at 5-5 BBls/min 1:25 AM 280 PSI Used 6 90 EXCESS  
20 BBls at 5-5 BBls/min 1:27 AM 380 PSI Used 250 SKS Cement  
30 BBls at 5-5 BBls/min 1:29 AM 480 PSI Slurry 56.5  
40 BBls at 3-5 BBls/min 1:32 AM 380 PSI  
42.5 BBls at 1-0 BBls/min 1:33 AM 300 PSI  
Bump Plug 1-0 BBls/min 1:33 AM 530 PSI  
Flow Collar (Ltelc) BBls Back  
12  
Let with 500 SKS Cement 8 gals KCL + Dye

[Signature] 11-17-11  
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.