

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10338

LOCATION WCR 43+46

FOREMAN Mike Rosalez  
L.R. Marks.

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
9-15-11	Boiko PC B-15 29.10	15	4N	65W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>Ensign 128</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>3:45 AM</u>	TIME LEFT LOCATION <u>7:45</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>726</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD <u>672.95</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>718</u>		TREATMENT VIA	TYPE OF TREATMENT		
CASING WEIGHT <u>241BS</u>	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE	TREATMENT RATE	
CASING CONDITION <u>Good</u>			<input type="checkbox"/> PRODUCTION CASING	BREAKDOWN BPM	
			<input type="checkbox"/> SQUEEZE CEMENT	INITIAL BPM	
			<input type="checkbox"/> ACID BREAKDOWN	FINAL BPM	
			<input type="checkbox"/> ACID STIMULATION	MINIMUM BPM	
			<input type="checkbox"/> ACID SPOTTING	MAXIMUM BPM	
			<input type="checkbox"/> MISC PUMP	AVERAGE BPM	
			<input type="checkbox"/> 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, PST Test, Circulate 40 BBLs H<sub>2</sub>O/KCL mix 2% Dye  
Pump 307 SKS Cement (30% Excess) yield 1.27 qt 15.2 IDS/or until Company man stoppes us NO  
more than 30 % Excess Per Company man, Release Plug + Displace 42.8 BBLs H<sub>2</sub>O, Bump Plug at 150 PSE  
over lift. Wait 5 min. Release PSE wash up Rig Down H<sub>2</sub>O Test Good  
Arrive with 650 SKS Cement 5 gal KCL 16.07 Dye Slurry 69.4

JOB SUMMARY  
DESCRIPTION OF JOB EVENTS Safety meeting 5:45 AM Circulate 6:06 AM Cement 6:17 AM  
DROP Plug 6:41 AM Displace 6:41 AM

10 BBLs at 5.0 BBLs/m 6:44 AM 270 PSE used 36 % Excess  
20 BBLs at 5.0 BBLs/m 6:46 AM 420 PSE used 321 SKS Cement  
30 BBLs at 5.0 BBLs/m 6:49 AM 390 PSE 72.4 Slurry  
40 BBLs at 2.0 BBLs/m 6:52 AM 300 PSE  
42.8 BBLs at 1.5 BBLs/m 6:54 AM 300 PSE  
Bump Plug 6:54 AM 630 PSE

BBLs Back 7

Left location with 329 SKS Cement 3 gal KCL 0.02 Dye

(Paul W. Dem)  
AUTHORIZATION TO PROCEED

Consultant  
TITLE

9-15-11  
DATE