

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10270  
LOCATION WCR 57472  
FOREMAN Grant Lowe

## TREATMENT REPORT

DATE <b>8-15-11</b>	WELL NAME <b>ORR USX A03-15D</b>	SECTION <b>3</b>	TWP <b>6N</b>	RGE <b>64W</b>	COUNTY <b>Weld</b>	FORMATION
CHARGE TO <b>Noble</b>		OWNER				
MAILING ADDRESS		OPERATOR <b>Noble</b>				
CITY		CONTRACTOR <b>Saxon #143</b>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <b>5:30pm</b>		TIME LEFT LOCATION <b>8:35pm</b>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <b>12 1/4</b>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <b>837</b>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD <b>786.59</b>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <b>8 5/8</b>	TUBING CONDITION		TUBING		
CASING DEPTH <b>832</b>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <b>24.1 lbs/ft</b>	PACKER DEPTH		[ ] SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION <b>Good</b>			[ ] PRODUCTION CASING		INITIAL BPM
			[ ] SQUEEZE CEMENT		FINAL BPM
			[ ] ACID BREAKDOWN		MINIMUM BPM
			[ ] ACID STIMULATION		MAXIMUM BPM
			[ ] ACID SPOTTING		AVERAGE BPM
			[ ] MISC PUMP		
			[ ] 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 per Co. man. Press test to 500psi. Circulate 50 bbls H<sub>2</sub>O/ea with dye x's 16oz in 2nd 5 bbls. Mix and pump cement @ 15.2 density @ 1.27 yield, until dye is seen, pump tub only, not to exceed 40% without consulting Co. man. Drop plug displace 50.1 bbls H<sub>2</sub>O, bump plug @ 150 lbs cur lift press, wait 5 min, release press, Washup, Rig down, H<sub>2</sub>O test & good. Arrive on location with 700 sks, 3700 dye 10 API

### JOB SUMMARY

#### DESCRIPTION OF JOB EVENTS

Safety meeting @ 6:30, Circulate @ 7:11pm, Cement @ 7:22pm to 7:39pm  
Drop plug @ 7:41pm, displace @ 7:42pm  
10 bbls @ 200 psi @ 7:43pm  
20 bbls @ 300 psi @ 7:45pm  
30 bbls @ 380 psi @ 7:46pm  
40 bbls @ 500 psi @ 7:48pm  
50 bbls @ 350 psi @ 7:50pm  
50.1 bbls @ 350 psi @ 7:50pm  
Bump plug @ 500 psi @ 7:51pm  
Float collar held

0% Excess  
272 Sacks  
61.5 bbls slurry  
4 bbls to pit

Left location with 4/28, 16oz dye, Spts OK

*[Signature]*  
AUTHORIZATION TO PROCEED

*[Signature]*  
TITLE

8-15-11  
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