

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9014

LOCATION W 55-80

FOREMAN Kirk Kallhoff  
mile 2 mile 5

## TREATMENT REPORT

DATE <u>5-31-10</u>	WELL NAME <u>Furrow USX AB15-10P</u>	SECTION <u>15</u>	TWP <u>7N</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>Coda 21</u>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>3:30 am</u>		TIME LEFT LOCATION <u>8:45 am</u>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>828.2</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD <u>768.52</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 9/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>812.17</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>2415</u>	PACKER DEPTH		[X] SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION <u>good</u>			[ ] 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

INSTRUCTIONS PRIOR TO JOB Rig up safety meetings, Biotest, circ 40 BBLs H2O and 104 Dye mix & Pump  
350 sks cement at 30% excess at 1.27 yield at 15.2 lbs or until cement stops, Release  
Plug Displace 489 BBLs H2O, Pump Plug at 150 psi over L.S. Bi, and 5 min Release Psi  
wash up Rig Down H2O test OK  
Arrived w/ 575 sks cement 4 gallons Kel 16oz Dye 79.1 BBLs slurry

JOB SUMMARY  
DESCRIPTION OF JOB EVENTS Safety meeting 7:03am circ 7:17am cement 7:28am  
Drop Plug 7:48am Displace 7:48am  
used 5% excess Per cement  
used 286 sks cement  
63.9 BBLs slurry  
10 BBLs At 5.5 BBLs/m 7:52am 340 psi  
20 BBLs At 5.5 BBLs/m 7:54am 380 psi  
30 BBLs At 5.5 BBLs/m 7:56am 520 psi  
40 BBLs At 3.5 BBLs/m 8:01am 440 psi  
48.9 BBLs At 1.0 BBLs/m 8:06am 360 psi  
Bump Plug 8:06am 530 psi  
LFT w/ 289 sks cement 3 gallons Kel 6oz Dye  
13 BBLs Back 10

R AUTHORIZATION TO PROCEED TITLE DATE 5-31-10