

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9790

LOCATION Wells Ranch

FOREMAN Grant Lowe

## TREATMENT REPORT

DATE <u>5-5-11</u>	WELL NAME <u>Wells Ranch USXBB15-67HN</u>	SECTION <u>15</u>	TWP <u>5N</u>	RGE <u>63W</u>	COUNTY <u>Weld</u>	FORMATION
CHARGE TO <u>Noble</u>		OWNER				
MAILING ADDRESS		OPERATOR <u>Noble</u>				
CITY		CONTRACTOR <u>H&amp;P Rig # 343</u>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>10:50am</u>		TIME LEFT LOCATION <u>2:00pm</u>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>13 3/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>618</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 509</u> →	TUBING WEIGHT <u>559.96</u>	OPEN HOLE	STRING		
CASING SIZE <u>9 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>602.43</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>36 lbs</u>	PACKER DEPTH		[ ] 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 meeting per Co man. Press test, Circulate 40 bbls H<sub>2</sub>O/KCL with dye x's 10oz in 2nd 10 bbls. Mix and pump cement @ 15.2 lbs Density, 1.27 yield until dye is seen, then mix 10 bbls slurry + tub. Displace 43.2 bbls. Drop plug, displace 43.2 bbls, pump plug @ 500 psi over lift press, wait 5 min, release press. Wash up, Rig down. H<sub>2</sub>O tested good. Arrived on location with - 700 sks, 32oz dye, 10 gts KCL

### JOB SUMMARY

#### DESCRIPTION OF JOB EVENTS

Safety meeting @ 12:00pm, Circulate 12:37pm, Cement @ 12:43 to 1:02pm  
Drop plug @ 1:05pm. Displace @ 1:07pm.  
10 bbls @ 300 psi @ 1:09pm @ 7.0 bbls/min 30% excess  
20 bbls @ 350 psi @ 1:11pm @ 7.0 bbls/min 75.32 bbls - slurry  
30 bbls @ 420 psi @ 1:12pm @ 7.0 bbls/min 333 sacks cement  
40 bbls @ 200 psi @ 1:14pm @ 1.0 bbls/min  
43.2 bbls @ 200 psi @ 1:15pm @ 1.0 bbls/min  
Bump plug @ 1:17pm @ 700 psi. Float collar held

Left location with, 367 sks, 22oz dye, 6 gts KCL

17 bbls - pit

*[Signature]*

AUTHORIZATION TO PROCEED

Company Man

TITLE

5-5-11

DATE