

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10150  
LOCATION 70455  
FOREMAN Grant Lowe

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
7-22-11	Howard USXA09-140	9	6N	64W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>Saxon #143</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>3:45am</u>	TIME LEFT LOCATION <u>6:45am</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>710</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PSTD 660.37</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>706</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>24 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

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 40 bbls H<sub>2</sub>O/  
KEL with dye x's 10oz 2nd Sbkts. Mix and pump Cement @ 15.2 density @ 1.27 yield until dye is seen.  
pump tub only, not to exceed 30% without consulting Co man. Drop plug, displace 42 bbls, bump plug @ 150 psi  
over hif press, Wait 5 min, release press, Washup Rig down, H<sub>2</sub>O tested good.  
Arrived on location with 600 sks, 32oz dye, 20 gts KEL

### JOB SUMMARY

#### DESCRIPTION OF JOB EVENTS

Safety meeting @ 5:00am, Circulate @ 5:19am, Cement @ 5:26 to 5:41  
Drop plug @ 5:45am, Displace @ 5:47am  
10 bbls @ 250 @ 5:49am @ 7.0 bbls/min 3% Excess  
20 bbls @ 350 @ 5:50am @ 7.0 bbls/min 238 Sacks  
30 bbls @ 450 @ 5:52am @ 7.0 bbls/min 53.8 Slurry  
40 bbls @ 300 @ 5:54am @ 3.0 bbls/min 0 bbls to pit  
42 bbls @ 300 @ 5:55am @ 1.0 bbl/min  
Bump plug @ 500 psi @ 5:56am  
Float collar held

left location with 362 sks, 22oz dye, 16 gts KEL

[Signature]  
AUTHORIZATION TO PROCEED

Co man  
TITLE

7-22-11  
DATE