

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10271  
LOCATION WCR 46447  
FOREMAN Grant Lowe

## TREATMENT REPORT

DATE 8-19-11	WELL NAME Boulter PC G14-Z9D	SECTION 14	TWP 4N	RGE 65W	COUNTY Weld	FORMATION
CHARGE TO Noble		OWNER				
MAILING ADDRESS		OPERATOR Noble				
CITY		CONTRACTOR Ensign #126				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION 3:30 AM		TIME LEFT LOCATION 7:15 AM				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 733	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 679.91	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 725.61		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 24 lbs	PACKER DEPTH		[ ] SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION GOOD			[ ] 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 Coman. Press test to 500psi. Circulate 50 bbls  
100/100L with dye x 5 1/2 oz in 200 bbls. Mix and pump cement 15.2 density @ 1.27 yield until  
ye is seen, pump tub only, not to exceed 40 % excess without consulting Coman. Drop plug displace  
3.3 bbls. Pump plug @ 150 psi over lift press. Wait 5 min, release press, Washup, Rig down. H2O Good  
Arrived on location with 700 sks, 320z dye, 20gts KCL

JOB SUMMARY  
DESCRIPTION OF JOB EVENTS Safety meeting @ 5:00 AM. Circulate @ 5:51 AM. Cement @ 6:00 AM to 6:17 AM.

Drop plug @ 6:18 AM. Displace @ 6:19 AM.  
10 bbls @ 400 psi @ 6:20 AM @ 2.0 bbls/min 50% Excess  
20 bbls @ 450 psi @ 6:22 AM @ 2.0 bbls/min 358 sks  
30 bbls @ 490 psi @ 6:24 AM @ 2.0 bbls/min 81 bbls slurry  
40 bbls @ 450 psi @ 6:26 AM @ 3.0 bbls/min 12 bbls to pit  
433 bbls @ 380 psi @ 6:27 AM @ 1.0 bbls/min  
Bump plug @ 520 psi @ 6:30 AM  
Float collar held

Left location with 342 sks, 160z dye, 15gts KCL

*Grant Lowe*  
AUTHORIZATION TO PROCEED

TITLE

8-19-11  
DATE