

# BISON OIL WELL CEMENTING, INC.



1738 Wynkoop St., Ste. 102  
Denver, Colorado 80202  
Phone: 303-296-3010  
Fax: 303-298-8143  
E-mail: bisonoil1@qwestoffice.net

REF. INVOICE # 10137  
LOCATION Hwy 34 & CR 50  
FOREMAN Grant Lowe

## TREATMENT REPORT

DATE <b>6-29-11</b>	WELL NAME <b>Carmin USX 005-10D</b>	SECTION <b>5</b>	TWP <b>4N</b>	RGE <b>63W</b>	COUNTY <b>Weld</b>	FORMATION
CHARGE TO <b>Noble</b>			OWNER			
MAILING ADDRESS			OPERATOR			
CITY			CONTRACTOR			
STATE ZIP CODE			DISTANCE TO LOCATION			
TIME ARRIVED ON LOCATION <b>2:50pm</b>			TIME LEFT LOCATION <b>6:20pm</b>			

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <b>12 1/4</b>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <b>655</b>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<b>PBTD 602.66</b>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <b>8 5/8</b>	TUBING CONDITION		TUBING		
CASING DEPTH <b>648</b>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <b>24 lbs</b>	PACKER DEPTH		[ ] SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION <b>(680)</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 500psi. Circulate 40 bbls KCL/H<sub>2</sub>O with dye 25 lbz, 2<sup>nd</sup> 10 bbls, Mix and pump cement @ 15.2 density @ 1.27 yield until dye is seen, pump tub only, not to exceed 30% excess without consulting Co. Man. Drop plug, displace 38.3 bbls, bump plug 150 psi over lift. Wait 5 min, release press. Rig Down. Arrived with 600 sts, 32 oz dye, 12 gts KCL. H<sub>2</sub>O tested good.**

JOB SUMMARY  
DESCRIPTION OF JOB EVENTS **Safety meeting @ 4:30pm. Circulate @ 5:03pm, Cement @ 5:09 to 5:23pm. Drop plug @ 5:25pm, Displace @ 5:27pm.**

<b>10 bbls @ 230 psi @ 5:28pm @ 7.0 bbls/min</b>	<b>10% Excess</b>
<b>20 bbls @ 400 psi @ 5:30pm @ 7.0 bbls/min</b>	<b>235 Sacks</b>
<b>30 bbls @ 450 psi @ 5:31pm @ 7.0 bbls/min</b>	<b>53.1 bbls slurry</b>
<b>38.3 bbls @ 350 psi @ 5:33pm @ 1.0 bbls/min</b>	<b>3 bbls to pit</b>

**Bump plug @ 5:35 @ 700 psi, Float collar held**

**left location with 365 sts, 16 oz dye, 8 gts KCL**

**Mary Stapleton** AUTHORIZATION TO PROCEED  
**6-29-11** DATE