

# 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 # 10561

LOCATION WCR 55+18

FOREMAN Calvin Reimers

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
11-8-11	GOETZ Y 22-06	22	2N	64W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>Ensign Rig 126</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>3:30 pm</u>	TIME LEFT LOCATION <u>7:45 pm</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
12 1/4					
TOTAL DEPTH <u>1085</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 1033.81</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		

CASING DEPTH	CASING WEIGHT	CASING CONDITION	TREATMENT VIA	TYPE OF TREATMENT	TREATMENT RATE
<u>1077.37</u>	<u>24 lb.</u>	<u>Good</u>		<input checked="" type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM
	PACKER DEPTH			<input type="checkbox"/> PRODUCTION CASING	INITIAL BPM
				<input type="checkbox"/> SQUEEZE CEMENT	FINAL BPM
				<input type="checkbox"/> ACID BREAKDOWN	MINIMUM BPM
				<input type="checkbox"/> ACID STIMULATION	MAXIMUM BPM
				<input type="checkbox"/> ACID SPOTTING	AVERAGE BPM
				<input type="checkbox"/> MISC PUMP	
				<input type="checkbox"/> 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 Company Man, Circ 40 bbls H<sub>2</sub>O with KCL, Lead Mix + pump 20% Excess to cover 814' = 306 sks, 71.93 bbls Slurry at 14.8 lbs. 1.32 yield, Tail Mix + pump 0% Excess to cover 271' + shoe = 100 sks, 22.61 bbls Slurry at 15.2 lbs. 1.27 yield, Drop plug, Displace 65.8 bbls H<sub>2</sub>O, Bump plug at 500 Psi over Lift Psi, wait 5 min. then bleed off Psi, Wash up, Rig down, We have 450 sks Lead, 200 sks Tail, 8 qts KCL,

JOB SUMMARY  
DESCRIPTION OF JOB EVENTS Safety meeting 5:30 pm, Circ 6:01 pm, Cement 6:08 pm to 6:39 pm, Drop Plug 6:40 pm Displace 6:46 pm 10 bbls 200 Psi 6:43 pm 7.0 bbls/m 20 bbls 310 Psi 6:44 pm 7.0 bbls/m 30 bbls 420 Psi 6:46 pm 7.0 bbls/m 40 bbls 490 Psi 6:48 pm 7.0 bbls/m 50 bbls 600 Psi 6:50 pm 6.0 bbls/m 60 bbls 660 Psi 6:52 pm 6.0 bbls/m 65.8 bbls 480 Psi 6:54 pm 1.0 bbls/m Bump Plug 10:10 Psi at 6:54 pm Float Collar Held avg Cement 3.04 bbls/m USED Lead 20% Excess = 306 sks, 71.93 bbls Slurry, Tail 0% Excess = 100 sks, 22.61 bbls Slurry Left with 144 sks Lead, 100 sks Tail, 4 qts KCL

25 bbls Slurry to the P.T

*Robert J. [Signature]*

AUTHORIZATION TO PROCEED

TITLE

11-8-11

DATE