

# 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 # 10380

LOCATION WCR 31+4

FOREMAN Calvin Reimers

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
9-26-11	Vista USX WW 33-08D	33	1N	66W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>SAKON Rig 145</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>11:00 AM</u>	TIME LEFT LOCATION <u>2:45 pm.</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>1441</u>	TUBING DEPTH	SHOTS/FT			
<u>PBTD 1391.69</u>	TUBING WEIGHT	OPEN HOLE			
CASING SIZE <u>8 5/8</u>	TUBING CONDITION				
CASING DEPTH <u>1435.13</u>					
CASING WEIGHT <u>24 lb.</u>	PACKER DEPTH				
CASING CONDITION <u>Good</u>					

PRESSURE SUMMARY		TYPE OF TREATMENT		TREATMENT RATE	
BREAKDOWN or CIRCULATING psi	AVERAGE psi	<input checked="" type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM	
FINAL DISPLACEMENT psi	ISIP psi	<input type="checkbox"/> PRODUCTION CASING		INITIAL BPM	
ANNULUS psi	5 MIN SIP psi	<input type="checkbox"/> SOEEZE CEMENT		FINAL BPM	
MAXIMUM psi	15 MIN SIP psi	<input type="checkbox"/> ACID BREAKDOWN		MINIMUM BPM	
MINIMUM psi		<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

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 1170' = 437 SKs, 103.2 bbls Slurry at 14.8 lbs. 1.32 yield, Tail 0% Excess to cover 271' + shoe = 100 SKs, 22.61 bbls Slurry at 15.2 lbs. 1.27 yield, Drop plug, Displace 88.6 bbls H<sub>2</sub>O, Bump plug at 150 Psi over Lift Psi, Wait 5 min then bleed off Psi, Wash up, Rig down, H<sub>2</sub>O Tested good, We have 450 SKs Lead, 200 SKs Tail, 10 QTS KCL

### JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety Meeting 11:45 am, Circ 12:40 pm, Cement 12:48 pm to 1:22 pm, Drop plug 1:23 pm, Displace 1:24 pm, 10 bbls 290 Psi 1:26 pm 7.0 bbls/m, 60 bbls 400 Psi 1:45 pm 4.0 bbls/m, 20 bbls 290 Psi 1:28 pm 7.0 bbls/m, 70 bbls 580 Psi 1:50 pm 4.0 bbls/m, 30 bbls 150 Psi 1:31 pm 5.0 bbls/m, 80 bbls 580 Psi 1:54 pm 4.0 bbls/m, 40 bbls 260 Psi 1:37 pm 4.0 bbls/m, 88.6 bbls 600 Psi 1:59 pm 1.0 bbls/m, 50 bbls 320 Psi 1:41 pm 4.0 bbls/m

Bump plug 750 Psi at 1:59 pm Flat Collar Held  
USED 439 SKs Lead at 20% Excess, 103.2 bbls Slurry, 100 SK Tail at 0% Excess, 22.61 bbls Slurry  
Avg cement 3.7 bbls/m  
Left with 11 SKs Lead, 100 SKs Tail, 6 QTS KCL

30 bbls Slurry To The P.T.

[Signature] AUTHORIZATION TO PROCEED [Signature] TITLE 9-26-11 DATE

Customers hereby acknowledges and specifically agrees to the terms and conditions on this work order, including, without limitation, the provisions on the reverse side hereof which include the release and indemnity.