

# 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 # 10378

LOCATION WCR 55+76

FOREMAN Calvin Reimers

## TREATMENT REPORT

DATE <u>9-24-11</u>	WELL NAME <u>Richter USX AB 27-65HN</u>	SECTION <u>27</u>	TWP <u>7N</u>	RGE <u>64W</u>	COUNTY <u>Weld</u>	FORMATION
CHARGE TO <u>Noble</u>		OWNER				
MAILING ADDRESS		OPERATOR <u>Noble</u>				
CITY		CONTRACTOR <u>H&amp;P Rig 315</u>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>6:05 pm.</u>		TIME LEFT LOCATION <u>5:30 am.</u>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>13 3/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>862</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 813.88</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>9 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>856.99</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>3616.</u>	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION <u>Good</u>			<input type="checkbox"/> PRODUCTION CASING		INITIAL BPM
			<input type="checkbox"/> SOEEZE 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, CCR 60 bbls H<sub>2</sub>O 75 lbs SAPP in 1st Noble, 1/2 Gal. Soap + 10.02 Dye in 2nd Noble, then Hobbs H<sub>2</sub>O with KCL, mix pump till dye is seen then mix 10 bbls. Slurry + tub, at 15.2 lbs, 1.27 yield, Don't go over 35% excess without talking to company man, Drop plug, Displace 62.9 bbls H<sub>2</sub>O, Bump plug at 500 Psi over Lift P, Wait 5 min then Need off P, Wash up, Rig down, H<sub>2</sub>O tested good, we have 700 SKs, 32.02 Dye, 75 lbs SAPP, 26 lbs Soap, 11 Qts KCL,

JOB SUMMARY  
DESCRIPTION OF JOB EVENTS Safety Meeting 2:06 am, Mud Flush 3:23 am, Cement 3:33 am to 4:15 am  
Drop Plug 4:17 am, Displace 4:18 am  
10 bbls 290 Psi 4:20 am 7.0 bbls/m Avg Cement 2.4 bbls/m  
20 bbls 510 Psi 4:22 am 7.0 bbls/m Avg Displace 6.0 bbls/m  
30 bbls 600 Psi 4:23 am 7.0 bbls/m Avg Cement 300 Psi  
40 bbls 700 Psi 4:25 am 7.0 bbls/m Avg Displace 600 Psi  
50 bbls 710 Psi 4:28 am 7.0 bbls/m USED 25% Excess = 447 SKs, 101.1 bbls Slurry  
60 bbls 650 Psi 4:29 am 4.5 bbls/m  
62.9 bbls 380 Psi 4:30 am 1.0 bbls/m  
Bump Plug 650 Psi at 4:30 am. Float Collar Held  
Left with 253 SKs, 22.02 Dye, 1/2 Gal Soap, 7 Qts KCL  
15 bbls Slurry to the Pit

MGP

WSS/NEZ

9-24-11

AUTHORIZATION TO PROCEED

TITLE

DATE