

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 # 9273
LOCATION WCR 88+59
FOREMAN Calvin Reimers

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
8-19-10	Waloker USX AB 01-07P	1	TN	64W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>Code Rig 21</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>10:45 am.</u>	TIME LEFT LOCATION <u>4:15 am.</u>

WELL DATA			PRESSURE LIMITATIONS	
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>820</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG	
<u>PBTD 765.92</u>	TUBING WEIGHT	OPEN HOLE	STRING	
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING	
CASING DEPTH <u>807.97</u>		TREATMENT VIA	TYPE OF TREATMENT	TREATMENT RATE
CASING WEIGHT <u>2416.</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"/> 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 50 bbls. H₂O with KCL + Dye x 16 in 2nd 10 bbls, Mix + pump tell Dye is seen then pump tub only at 15.2 lbs. 1.27 yield, Drop plug, Displace 48.7 bbls. H₂O, Bump plug at no more than 150 Psi over Lift Psi, Wait 5 min then bleed off Psi, Wash up, Rig down, H₂O tested good, We have 700 sacks cement, 26 oz. Dye, 20 qts KCL,

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 2:20 am, Circ 2:47 am, Cement 2:59 am
Drop plug 3:23 am, Displace 3:27 am

10 bbls 160 Psi 3:30 am 7.0 bbls/m
20 bbls 290 Psi 3:32 am 7.0 bbls/m
30 bbls 370 Psi 3:33 am 7.0 bbls/m
40 bbls 430 Psi 3:35 am 6.0 bbls/m
48.7 bbls 310 Psi 3:40 am .8 bbls/m

Bump Plug 420 Psi at 3:40 am Psi held for 5 min
USED 0% EXCESS = 267 SACKS CEMENT, 60.39 bbls SLURRY
Left with 433 SACKS CEMENT, 10 oz. Dye, 15 qts KCL
3 bbls SLURRY TO THE PIT

AUTHORIZATION TO PROCEED

TITLE

8-19-10

DATE