

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 # 10362
LOCATION GUTTERSEN RANCH
FOREMAN CALVIN REIMERS

TREATMENT REPORT

DATE <u>9-6-11</u>	WELL NAME <u>Rhino D 27-22D</u>	SECTION <u>27</u>	TWP <u>3N</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>Ensign Rig 121</u>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>5:15am</u>		TIME LEFT LOCATION <u>8:15am</u>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>833</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 784.39</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>827.79</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>24 lb.</u>	PACKER DEPTH		[X] SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION <u>Good</u>			[] PRODUCTION CASING		INITIAL BPM
			[] SOOZE 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

INSTRUCTIONS PRIOR TO JOB Rig up, Safety meeting, Per Company Man, Circ 50 bbls H₂O with KCL + Dye 16 in 2nd 10 bbls, Mix pump tell Dye is seen then pump tub only at 15.2 lbs. 1.27 yield, Don't go over 15% Excess without Talking to Company Man, Drop plug, Displace 49.9 bbls H₂O, Bump Plug at 150 Psi over Lift Psi, Wait 5 min, then bleed off Psi, Wash up, Rig down, H₂O tested good, WE have 600 sks, 3202 Dye, 10 qts KCL

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 6:13am, Circ 6:36am, Cement 6:44am to 7:09am

Drop Plug 7:11am, Displace 7:12am
10 bbls 280 Psi 7:14am 7.0 bbls/m
20 bbls 320 Psi 7:16am 7.0 bbls/m
30 bbls 480 Psi 7:18am 7.0 bbls/m
40 bbls 560 Psi 7:19am 7.0 bbls/m
49.9 bbls 420 Psi 7:21am 1.0 bbls/m
Bump Plug 760 Psi at 7:21am, Float Collar Held
USED 12% Excess = 304 sks, 68.76 bbls SLURRY
Aug Cement 2.75 bbls/m
Left with 296 sks, 16 oz Dye, 5 qts KCL
5 bbls Slurry to The Pit

Amy Stapleton
AUTHORIZATION TO PROCEED

TITLE

9-6-11

DATE