

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 # 8983
LOCATION GUTTERSEN RANCH
FOREMAN CALVIN REIMERS

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
5-9-10	GUTTERSEN D 15-30	15	3N	63W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>ENSIGN Rig 128</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>9:45 pm.</u>	TIME LEFT LOCATION <u>12:15 am.</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>607</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 560.53</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>602.64</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>24 lb.</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 30 bbls H₂O with KCL + Dye x 10 in 2nd 10 bbls, Mix + pump Tell Dye is seen then pump tub only at 152 lbs. 1.27 yield, Drop plug, Displace 35.7 bbls H₂O, Bump plug ~~no~~ no more than 150 Psi over Lift Psi, wait 5 min then bleed off Psi, Wash up, Rig down, H₂O tested OK, We have 700 sacks cement, 10 qts. KCL 32 oz. Dye,

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety meeting 10:30 pm, Circ 10:46 pm, Cement 10:58 pm
Drop plug 11:17 pm, Displace 11:19 pm

10 bbls 310 Psi 11:22 pm 7.0 bbls/m
20 bbls 410 Psi 11:23 pm 7.0 bbls/m
30 bbls 440 Psi 11:25 pm 6.0 bbls/m
35.7 bbls 250 Psi 11:28 pm .8 bbls/m

Bump Plug 400 Psi at 11:28 pm Psi Held for 5 min.
USED 30 % EXCESS = 257 SACKS CEMENT, 58.13 bbl Slurry
Left with 443 SACKS CEMENT 22 oz Dye, 7 qts KCL
15 bbls Slurry To The Pit

Tam Bow
AUTHORIZATION TO PROCEED

Rig Supervisor
TITLE

5-9-10

DATE