

# BISON OIL WELL CEMENTING, INC.



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REF INVOICE # 9368

LOCATION WCR 49+30

FOREMAN CALVIN REIMERS

## TREATMENT REPORT

DATE <u>12-8-10</u>	WELL NAME <u>GURTIER H 24-99HZ</u>	SECTION <u>24</u>	TWP <u>3N</u>	RGE <u>65W</u>	COUNTY <u>Weld</u>	FORMATION
CHARGE TO <u>Noble</u>		OWNER				
MAILING ADDRESS		OPERATOR <u>Noble</u>				
CITY		CONTRACTOR <u>Ensign Rig 136</u>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>11:15 pm.</u>		TIME LEFT LOCATION <u>4:00 am.</u>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>13 3/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>702</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD <u>648.20</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>9 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>691.39</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>36 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

INSTRUCTIONS PRIOR TO JOB Rig up, Safety meeting, Per Company Man, Circ 50 bbls. H<sub>2</sub>O with KCL + Dye 10, in 2<sup>nd</sup> 10 bbls, Mix pump till Dye is seen then pump tub only at 15.2 lbs. 1.27 yield, Drop plug, Displace 50.1 bbls. H<sub>2</sub>O, Bump plug at 500 Psi over Lift Psi, wait 5 min then bleed off Psi, Wash up, Rig down, WE HAVE, 650 SACKS CEMENT, 32 oz Dye, 20 QTS KCL,

### JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 2:13 am, Circ 2:42 am, Cement 2:52 am to 3:09 am  
Drop plug 3:12 am, Displace 3:12 am  
10 bbls 280 Psi 3:16 am 7.0 bbls/lm  
20 bbls 300 Psi 3:18 am 7.0 bbls/lm  
30 bbls 400 Psi 3:19 am 7.0 bbls/lm  
40 bbls 480 Psi 3:21 am 7.0 bbls/lm  
50.1 bbls 300 Psi 3:25 am 1.0 bbls/lm  
Bump Plug 850 Psi held for 5 min.  
Avg Cement Rate 3.87 bbls/lm  
USED 0% Excess = 291 Sacks, 65.8 bbls Slurry  
Left with 359 Sacks cement, 22 oz Dye, 15 QTS KCL  
12 bbls Slurry to the Pit

AUTHORIZATION TO PROCEED

TITLE

12-8-10

DATE