

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9345

LOCATION WCR 74+57

FOREMAN Calvin Reimers

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
10-24-10	Dyer 02-25	2	6N	64W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>Cade 22</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>5:15 pm.</u>	TIME LEFT LOCATION <u>10:45 pm.</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>905</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 852.90</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>897.82</u>		TREATMENT VIA	TYPE OF TREATMENT		
CASING WEIGHT <u>24 lb.</u>	PACKER DEPTH		TREATMENT RATE		
CASING CONDITION <u>Good</u>			<input checked="" type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM	
			<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. H<sub>2</sub>O with KCL + Dye 16 in 2nd 10 bbls. Mix pump Tell Dyer is seen then pump tub only at 15.2 lbs. 1.27 yield, Drop plug, Displace 543 bbls. H<sub>2</sub>O, Bump plug at NO MORE THEN 150 PSI OVER LIFT PSI, Wait 5 min then bleed off PSI, Wash up, Rig down, H<sub>2</sub>O Tested good, We have 700 sacks cement, 2602 Dye, 10 qts KCL,

### JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 8:52 am, CIRC 9:13 am, Cement 9:22 pm

Drop plug 9:43 pm Displace 9:46 pm

10 bbls 300 Psi 9:50 pm 7.0 bbls/lm

20 bbls 320 Psi 9:51 pm 7.0 bbls/lm

30 bbls 400 Psi 9:53 pm 7.0 bbls/lm

40 bbls 510 Psi 9:54 pm 7.0 bbls/lm

50 bbls 440 Psi 9:58 pm 4.5 bbls/lm

54.3 bbls 360 Psi 10:00 pm 1.0 bbls/lm

Bump Plug 520 Psi at 10:00 pm

USED 10% EXCESS = 324 SACKS, 73.28 bbls SLURRY

Left with 376 SACKS, 1002. Dye 5 qts KCL

5 bbls SLURRY TO THE PIT

[Signature]

AUTHORIZATION TO PROCEED

WSS

TITLE

10-24-10

DATE