

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9573  
LOCATION Wells Ranch  
FOREMAN Calvin Reimers

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
1-9-11	Wells Ranch AA 24-03	24	6N	63W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>Cade Rig 22</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>11:20 pm</u>	TIME LEFT LOCATION <u>9:15 pm</u>

WELL DATA		PRESSURE LIMITATIONS	
HOLE SIZE <u>12 1/4</u>	DRILL PIPE SIZE <u>4 1/2</u>	PERFORATIONS	THEORETICAL
TOTAL DEPTH <u>671</u>	DRILL PIPE DEPTH <u>626</u>	SHOTS/FT	INSTRUCTED
<u>PBTD 626</u>	DRILL PIPE WEIGHT <u>20 lb</u>	OPEN HOLE	
CASING SIZE <u>8 5/8</u>	DRILL PIPE TUBING CONDITION <u>Good</u>		

CASING DEPTH	CASING WEIGHT <u>24 lb</u>	PACKER DEPTH	TREATMENT VIA	TYPE OF TREATMENT	TREATMENT RATE
				SURFACE PIPE	BREAKDOWN BPM
				PRODUCTION CASING	INITIAL BPM
				SQUEEZE CEMENT	FINAL BPM

PRESSURE SUMMARY		OTHER	
BREAKDOWN or CIRCULATING psi	AVERAGE psi	ACID BREAKDOWN	MINIMUM BPM
FINAL DISPLACEMENT psi	ISIP psi	ACID STIMULATION	MAXIMUM BPM
ANNULUS psi	5 MIN SIP psi	ACID SPOTTING	AVERAGE BPM
MAXIMUM psi	15 MIN SIP psi	MISC PUMP	
MINIMUM psi		OTHER <u>P/A</u>	HYD HHP = RATE X PRESSURE X 40.8

INSTRUCTIONS PRIOR TO JOB Rig up, Safety meeting, Per Company Man, 1st Plug, Circ 60 bbls H<sub>2</sub>O, Mix + pump 90 Sacks, 20.35 bbls Slurry at 15.2 lbs / 1.27 yield, Displace 35 bbls To 300', 2nd Plug, Break Circ, Mix + pump 30 Sacks, 6.78 bbls Slurry at 15.2 lbs / 1.27 yield, Displace 1 bbl to 14', Top off Rat Hole mouse hole with 10 Sacks 2.26 bbls Slurry at 15.2 lbs / 1.27 yield, Wash up, Rig down,

JOB SUMMARY  
DESCRIPTION OF JOB EVENTS 1:12 pm Safety meeting 12:45 pm, Circ 60 bbls H<sub>2</sub>O to CLEAN CONE H<sub>2</sub>O out of hole, CEMENT 1:25 pm, 90 Sks, 20.35 bbls Slurry, Displace 35 bbls H<sub>2</sub>O up to 300', Start Pull Pipe 1:34 pm, End Pull Pipe 2:00 pm, Wait 3 hrs To Tag, 2nd Plug, Break Circ 4 bbls, 7:24 pm Cement 7:26 pm, Displace 36 74 Sks, 16.73 bbls Slurry to Cover 120', Displace 7:36 up to 14' bbls, Start Pull Pipe 7:41 pm, End Pull Pipe 7:48 pm, Mix + pump 10 Sks 5 for Rat Hole + 5 for Mouse hole 8:18 pm

USED 174 Sks, 39 35 bbls. Slurry

SAR  
AUTHORIZATION TO PROCEED

TITLE

1-9-11

DATE

Customers hereby acknowledges and specifically agrees to the terms and conditions on this work order, including, without limitation, the provisions on the reverse side hereof which include the release and indemnity