

# BISON OIL WELL CEMENTING, INC.



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02617839

REF. INVOICE # 8606

LOCATION WCR 44+29

FOREMAN Calvin Reimers

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
6-28-09	Zabka K 20-17	20	4N	66W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>Cade 21</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>6:30pm.</u>	TIME LEFT LOCATION <u>9:45pm.</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>532.65</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 481.92</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>525.65</u>		TREATMENT VIA	TYPE OF TREATMENT		
CASING WEIGHT <u>24 lb.</u>	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE	TREATMENT RATE	
CASING CONDITION <u>Good</u>			<input type="checkbox"/> PRODUCTION CASING	BREAKDOWN BPM	
			<input type="checkbox"/> SQUEEZE CEMENT	INITIAL BPM	
			<input type="checkbox"/> ACID BREAKDOWN	FINAL BPM	
			<input type="checkbox"/> ACID STIMULATION	MINIMUM BPM	
			<input type="checkbox"/> ACID SPOTTING	MAXIMUM BPM	
			<input type="checkbox"/> MISC PUMP	AVERAGE BPM	
			<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, CIRC 30 bbls. H<sub>2</sub>O with KCL + DBL DYE in 2<sup>nd</sup> 10 bbls, Mix + pump 30% EXCESS = 205 SACKS CEMENT at 14.5 lbs. 1.4 yield or TELL DYE IS SEEN, Drop plug, Displace 30.6 bbls. H<sub>2</sub>O, Bump plug at NO MORE than 150 PSI OVER Lift PSI, Wait 5 min then bleed off PSI, Wash up, Rig down, Rig to CIRC at more than 7.5 bbls/m to pop out Tabs on Float Collar, We have 640 SACKS CEMENT, 18 oz DYE, 7 Qts KCL, 51.1 bbls SLURRY

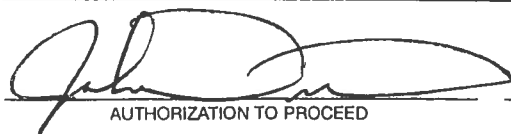
### JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 8:20pm, CIRC 8:28pm, CEMENT 8:37pm  
Drop plug 8:53pm, Displace 8:55pm

10 bbls 340 PSI 9:00pm 7.0 bbls/m  
20 bbls 400 PSI 9:02pm 7.0 bbls/m  
30.6 bbls 180 PSI 9:06pm .8 bbls/m

Bump Plug 330 PSI at 9:06pm.  
USED 55% EXCESS = 243 SACKS CEMENT, 60.5 bbls SLURRY  
Left with 397 SACKS CEMENT, 16 oz. DYE, 4 Qts KCL

8 bbls SLURRY To The P.T



AUTHORIZATION TO PROCEED

TITLE

6-28-09

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