

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 8986
LOCATION WCR 80+55
FOREMAN CALVIN REIMERS

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
5-15-10	STATE PC AB 16-09	16	7N	64W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>Cade Rig 21</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>5:15 a.m.</u>	TIME LEFT LOCATION <u>10:45 a.m.</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>13 1/2</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>834</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 780.54</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>9 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>823.27</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	

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, Mix + pump 30% EXCESS = 418 sacks
CEMENT at 15.2 lbs 1.27 yield or till Dye is seen then pump tub only, Drop plug,
Displace 60.3 bbls H₂O, Bump plug at no more than 150 Psi over Lift Psi, Wait 5
min. then bleed off Psi, Washup, Rig down, H₂O tested good, WE HAVE 700
SACKS CEMENT, 26 oz. Dye, 13 Qts KCL,

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 8:21am, Cick 8:46am, CEMENT 8:58am
Drop plug 9:34am, Displace 9:37am

10 bbls. 360 Psi 9:40am 7.0 bbls/m
20 bbls. 400 Psi 9:43am 7.0 bbls/m
30 bbls. 440 Psi 9:45am 7.0 bbls/m
40 bbls. 450 Psi 9:47am 7.0 bbls/m
50 bbls. 520 Psi 9:49am 7.0 bbls/m
60.3 bbls. 320 Psi 9:55am .8 bbls/m

Did Not Bump plug, Float COLLAR Held
USED 64 1/2% EXCESS 528 SACKS CEMENT, 119.42 bbls. Slurry
Left with 172 SACKS CEMENT, 16 oz Dye, 7 Qts KCL

Amcuth
AUTHORIZATION TO PROCEED

Rep
TITLE

5-15-10
DATE