

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9322
LOCATION VER 51+82
FOREMAN Daniel Saltzman

TREATMENT REPORT

DATE <u>9-25-10</u>	WELL NAME <u>Smith PE AB 18-03</u>	SECTION <u>18</u>	TWP <u>7N</u>	RGE <u>64W</u>	COUNTY <u>Weld</u>	FORMATION
CHARGE TO <u>Noble</u>		OWNER				
MAILING ADDRESS		OPERATOR <u>Noble</u>				
CITY		CONTRACTOR <u>Wade 21</u>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>12:22</u>		TIME LEFT LOCATION <u>5:00AM</u>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>823.60</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD <u>721.68</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>815.58</u>	TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE	
CASING WEIGHT <u>24#</u>	PACKER DEPTH	[] SURFACE PIPE		BREAKDOWN BPM	
CASING CONDITION <u>Good</u>		[] PRODUCTION CASING		INITIAL BPM	
		[] SQUEEZE CEMENT		FINAL BPM	
		[] ACID BREAKDOWN		MINIMUM BPM	
		[] ACID STIMULATION		MAXIMUM BPM	
		[] ACID SPOTTING		AVERAGE BPM	
		[] MISC PUMP			
		[] OTHER		HYD HHP = RATE X PRESSURE X 40.8	

INSTRUCTIONS PRIOR TO JOB Rig up, Safety meeting, Psi test to 500 psi, Circ 50 bbls of H₂O w/ Kcl 2nd 10 w/ 10oz Dye
Mix & pump 349 sks of Cement @ 15.2 lb @ 1.27 vld or until stopped By Co man Drop Plug Disp. 49.1 bbls
at H₂O Pump Plug @ 150 Psi over 1 ft psi wait 5 min Release Psi washup Rig Down w
H₂O test OK
Arrival w 550 sks of Cement 69/ Kcl 32oz Dye
78.9 bbls of Slurry

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 3:17am Circ 3:33 am Cement 3:49 am
Drop Plug 4:09 am Displace 4:09 am

10 bbls 5.0/m 180 psi 4:13 am
20 bbls 5.0/m 200 psi 4:15 am
30 bbls 5.0/m 320 psi 4:17 am
40 bbls 5.0/m 430 psi 4:19 am
49.1 bbls 1.0/m 300 psi 4:25 am
Drop Plug 480 psi 4:25 am

10% Excess
271 sks of Cement
61.2 bbls of Slurry

Left w 279 sks of Cement 99/ 3 qt Kcl 22oz Dye 3 bbls of Slurry Back

Daniel Saltzman
AUTHORIZATION TO PROCEED

Co Rep
TITLE

9-25-10
DATE