

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9331  
LOCATION 20 Ranch  
FOREMAN Daniel Saltzman

## TREATMENT REPORT

DATE <b>10-19-10</b>	WELL NAME <b>20 Ranchusx BB 27-02</b>	SECTION <b>27</b>	TWP <b>5N</b>	RGE <b>63w</b>	COUNTY <b>Weld</b>	FORMATION
CHARGE TO <b>Noble</b>		OWNER				
MAILING ADDRESS		OPERATOR <b>Noble</b>				
CITY		CONTRACTOR <b>FW505W 126</b>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <b>6:07pm</b>		TIME LEFT LOCATION <b>9:05pm</b>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <b>12 1/4</b>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <b>606.10</b>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<b>IBTD 555.13</b>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <b>8 5/8</b>	TUBING CONDITION		TUBING		
CASING DEPTH <b>597.22</b>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <b>24 #</b>	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE <input type="checkbox"/> PRODUCTION CASING <input type="checkbox"/> SQUEEZE CEMENT <input type="checkbox"/> ACID BREAKDOWN <input type="checkbox"/> ACID STIMULATION <input type="checkbox"/> ACID SPOTTING <input type="checkbox"/> MISC PUMP <input type="checkbox"/> OTHER		BREAKDOWN BPM INITIAL BPM FINAL BPM MINIMUM BPM MAXIMUM BPM AVERAGE BPM HYD HHP = RATE X PRESSURE X 40.8
CASING CONDITION <b>good</b>					

### 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, psi test to 500psi, Circ 30bbls of H<sub>2</sub>O w/ KCL 2nd 10w 1000 Dye, mix + pump 30% Excess @ 257 sks of Cement @ 15.2' @ 1.27 yield or until stopped by Co man, Drop Plug Displace 35.3 bbls of ~~8 1/2~~ Pump Plug @ 150psi over 1.1 ft psi wait 5 min Release psi washup Rig Down  
Arrival w 550 sks of Cement 591 KCL 32oz Dye 58.1 bbls of Slurry  
H<sub>2</sub>O test OK

### JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 7:26pm Circ 7:43pm Cement 7:36pm  
Drop Plug 8:14pm Displace 8:14pm

10 bbls	5.0/m	190 psi	8:18pm	used 257 sks of Cement 30% Excess 58.1 bbls of Slurry
20 bbls	5.0/m	320 psi	8:20pm	
30 bbls	3.5/m	350 psi	8:24pm	
35.3 bbls	1.0/m	200 psi	8:25pm	
Bump Plug		430 psi	8:25pm	

Left w 293 sks of Cement 491 KCL 22oz Dye 11 bbls of Slurry Back

Randy Byle  
AUTHORIZATION TO PROCEED

TITLE

10-18-10  
DATE