

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9537  
LOCATION WCR 51+70  
FOREMAN Daniel Saltman

## TREATMENT REPORT

DATE <u>12-4-10</u>	WELL NAME <u>Gulley 17-15</u>	SECTION <u>17</u>	TWP <u>6N</u>	RGE <u>69W</u>	COUNTY <u>Weld</u>	FORMATION
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>1:14:5pm</u>		TIME LEFT LOCATION <u>5:00pm</u>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>795.0</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
POTD <u>744.85</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>788.31</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>24#</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 S

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, Circ 40 bbls of H<sub>2</sub>O w KCL 2oz/100z Dye, Mix + pump 336 Skts of Cement @ 30% Excess @ 15.2" @ 1.27 yield, or until Stopped by Comaw, Drop Plug, Displace 47.4 bbls of H<sub>2</sub>O, Bump Plug @ 150 psi over lift PSI, wait 5 min w Release psi, wash up Rig Down, HB test OK  
Arrival w 550 Skts of Cement 39/ KCL 220z Dye 75.9 bbls of Slurry

JOB SUMMARY  
DESCRIPTION OF JOB EVENTS: Safety Meeting 3:00am Circ 3:19am Cement 3:33am  
Drop Plug 3:52am Displace 3:52am

10 bbls	5.0/m	120 PSI	3:56 AM	used 275 skts of cement 6% Excess 62.2 bbls of Slurry
20 bbls	5.0/m	140 PSI	3:58 AM	
30 bbls	5.0/m	280 PSI	4:01 AM	
40 bbls	3.5/m	230 PSI	4:04 AM	
47.4 Bbbls	1.0/m	280 PSI	4:15 AM	
Bump plug NO Hold 280 4:15 AM				

Left w 275 Skts of Cement 29/ KCL 220z Dye  
7 bbls of Slurry Back

*Handwritten signature*

AUTHORIZATION TO PROCEED

TITLE

12-9-10

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