

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9765
LOCATION WCR 59 + 50
FOREMAN Daniel Saltman

TREATMENT REPORT

DATE <u>4-13-11</u>	WELL NAME <u>Marley C 01-310</u>	SECTION <u>1</u>	TWP <u>4N</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>ENSIGN 128</u>			
STATE ZIP CODE			DISTANCE TO LOCATION			
TIME ARRIVED ON LOCATION <u>6:45 pm</u>			TIME LEFT LOCATION <u>9:00 pm</u>			

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>6100</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>RATD 56000</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 3/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>602</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>24#</u>	PACKER DEPTH		[X] 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

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 Satty meeting, PSI test, Circ 30 bbls of H₂O w/ 16oz Dye mix + pump 259 sks of Cement @ 30% Excess @ 15.216 p/1.27 yield or until stopped by Co man, Drop Plug Displace 35.6 bbls of H₂O, Pump Plug @ 150 psi over 1.47 psi wait 5 min. Rease psi washup Rys Down H₂O test OK

Arrival w 700 sks of Cement 5 gal KCL 32 oz Dye 58.5 bbls of Slurry

JOB SUMMARY
DESCRIPTION OF JOB EVENTS: Satty meeting 7:21 am Circ 7:38 pm Cement 7:46 pm Drop Plug 8:06 pm Displace 8:06 pm

10 bbls	6.0/m	330 psi	8:10 pm	43% Excess
20 bbls	6.0/m	380 psi	8:12 pm	286 sks of Cement
30 bbls	3.5/m	290 psi	8:14 pm	64.6 bbls of Slurry
35.6 bbls	1.0/m	370 psi	8:16 pm	
Bump Plug		520 psi	8:16 pm	

Left w 414 sks of cement 4 gal KCL 16 oz Dye 8 bbls of Slurry Back

[Signature] AUTHORIZATION TO PROCEED
Co man TITLE
4-13-11 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.