

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10737
LOCATION WCR 43 +50
FOREMAN Mike Rosalez

TREATMENT REPORT

DATE <u>12-22-11</u>	WELL NAME <u>McClellan PC 604-18 DX</u>	SECTION <u>4</u>	TWP <u>4N</u>	RGE <u>6SW</u>	COUNTY <u>Weld</u>	FORMATION
CHARGE TO <u>Noble</u>			OWNER			
MAILING ADDRESS			OPERATOR <u>Noble</u>			
CITY			CONTRACTOR <u>Saxon 145</u>			
STATE ZIP CODE			DISTANCE TO LOCATION			
TIME ARRIVED ON LOCATION <u>4:00 AM</u>			TIME LEFT LOCATION <u>12:30</u>			

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>539</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 488.97</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>532.52</u>	TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE	
CASING WEIGHT <u>241BS</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	

INSTRUCTIONS PRIOR TO JOB Rig up, Safety meeting PSE TEST 500 PSE, Circ 30 BBls H₂O/KCL mix 2% 10 Dye mix + Pump 228 sks Cement (30% Excess) 1.27 yd/l. at 15-21BS or until Company Stops us Release Plug, Displace 31.1 BBls H₂O Bump Plug 150 over 11ft. wait 5min Release PSE, wash up, Rig Down

Arrive with 650 sks Cement 129bs KCL, 14 oz Dye Slurry

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety meeting 10:15 Circ 10:59 Cement 11:06 am
DROP Plug 11:26 am Displace 11:26 am

10 BBls 5-0 BBls/m 11:29 am 270 PSE Used 21 0% Excess
20 BBls 5-0 BBls/m 11:31 am 370 PSE Used 214 sks Cement
30 BBls 1-5 BBls/m 11:33 am 330 PSE Slurry 48.4
31.1 BBls 1-5 BBls/m 11:35 am 280 PF
Bump Plug 1-5 BBls/m 11:35 550 PSE

Flow Coller (held) BBls Back to P.T
(5)

Left with sks Cement 9 qts KCL, 0 Dye

Jim Tunt WSS 12-22-11

AUTHORIZATION TO PROCEED TITLE 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.