

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 11000
 LOCATION St. Francis
 FOREMAN Randy Newton

TREATMENT REPORT

DATE <u>8-16-12</u>	WELL NAME <u>Rogers SWD #1</u>	SECTION <u>32</u>	TWP <u>55</u>	RGE <u>39W</u>	COUNTY <u>Stearns</u>	FORMATION
CHARGE TO <u>Noble</u>		OWNER <u>Noble</u>				
MAILING ADDRESS		OPERATOR				
CITY		CONTRACTOR <u>Excell 173</u>				
STATE ZIP CODE		DISTANCE TO LOCATION <u>90 mi</u>				
TIME ARRIVED ON LOCATION <u>11:30 a.m.</u>		TIME LEFT LOCATION <u>9:50 a.m.</u>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL	INSTRUCTED	
<u>12 1/4</u>					
TOTAL DEPTH <u>405</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>9 7/8"</u>	TUBING CONDITION		TUBING		

			TYPE OF TREATMENT		TREATMENT RATE	
CASING DEPTH <u>397</u>	TREATMENT VIA <u>plug 35'</u>		<input checked="" type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM		
CASING WEIGHT <u>305</u>	PACKER DEPTH		<input type="checkbox"/> PRODUCTION CASING	INITIAL BPM		
CASING CONDITION <u>good</u>			<input type="checkbox"/> SQUEEZE CEMENT	FINAL BPM		

PRESSURE SUMMARY				TREATMENT RATE	
BREAKDOWN or CIRCULATING	psi	AVERAGE	psi	<input type="checkbox"/> ACID BREAKDOWN	MINIMUM BPM
FINAL DISPLACEMENT	psi	ISIP	psi	<input type="checkbox"/> ACID STIMULATION	MAXIMUM BPM
ANNULUS	psi	5 MIN SIP	psi	<input type="checkbox"/> ACID SPOTTING	AVERAGE BPM
MAXIMUM	psi	15 MIN SIP	psi	<input type="checkbox"/> MISC PUMP	
MINIMUM	psi			<input type="checkbox"/> OTHER	HYD HHP = RATE X PRESSURE X 40.8

INSTRUCTIONS PRIOR TO JOB MTRU sm circ 10 bbl Dye 7 bbls fresh MTP 133-lit @ 15.2#
per gal water req 4.2 bbls per sk field ok 1.07 cu ft/sk mix until Dye is seen shut down
drop plug Displace 27.5 bbls water shut in rig down
mixed 20 bbl for 200 SKS

JOB SUMMARY					
DESCRIPTION OF JOB EVENTS					
<u>MTRU</u>	<u>sm</u>	<u>circ</u>	<u>MTP</u>	<u>drop</u>	
<u>4:00 AM</u>	<u>8:00 AM</u>	<u>8:06 AM</u>	<u>8:10 AM</u>	<u>8:18 AM</u>	
<u>Displace</u>	<u>shut in</u>	<u>Rig down</u>			
<u>8:23 AM</u>	<u>8:32 AM</u>	<u>8:35 AM</u>			
<u>8:25 10 200</u>					
<u>8:27 20 300</u>					
<u>8:30 27.5 300</u>					

5 bbls cement to pit

38.11

Tony
 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.