

BISON OIL WELL CEMENTING, INC.



1736 Wynkoop St., Ste. 102
 Denver, Colorado 80202
 Phone: 303-296-3010
 Fax: 303-296-8143
 E-mail: bisonoil1@qwestoffice.net

REF. INVOICE # 9887
 LOCATION _____
 FOREMAN Terry

TREATMENT REPORT

DATE <u>3-7-11</u>	WELL NAME <u>Progers 32-31</u>	SECTION <u>31</u>	TWP <u>55</u>	RGE <u>39W1</u>	COUNTY <u>Cheyenne</u>	FORMATION
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CHANGE TO <u>Evell</u>	OWNER
MAILING ADDRESS	OPERATOR
CITY	CONTRACTOR
STATE ZIP CODE	DISTANCE TO LOCATION <u>87</u>
TIME ARRIVED ON LOCATION <u>3:20</u>	TIME LEFT LOCATION <u>3:30</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>9 1/8</u>	TUBING SIZE	PERFORATIONS	SURFACE PIPE ANNULUS LONG	THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>361</u>	TUBING DEPTH	SHOTS/FT			
CASING SIZE <u>7"</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING DEPTH <u>336</u>	TUBING CONDITION <u>Mess 350</u>	TREATMENT VIA	TUBING		
CASING WEIGHT <u>1716</u>	PACKER DEPTH		TYPE OF TREATMENT		
CASING CONDITION <u>good</u>			<input checked="" type="checkbox"/> SURFACE PIPE	TREATMENT RATE	

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

INSTRUCTIONS PRIOR TO JOB M72V Safety - mix pump 142 sks of cement 390cc @ 15-216 w/ yld of 1.27 w/ h of 5.89 gal per sack drop plug - displace w/ 13 bbls

percentage of excess per MARK Lion of 90%

OB SUMMARY: DESCRIPTION OF JOB EVENTS

<u>MIPU</u>	<u>Safety</u>	<u>M&P</u>	<u>Drop plug</u>	<u>Displace</u>
<u>3:20</u>	<u>3:45</u>	<u>4:46</u>	<u>5:00</u>	<u>5:02</u>

0 5:02
 10 5:06
 13 5:08

to put
 5" air valve broke - line frozen & valves frozen - show valves - 2 pop off pins

Winters AUTHORIZATION TO PROCEED. Bush TITLE 3/7/11 DATE

Customer 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.

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REF. INVOICE # 9877
 LOCATION St. Francis, KS
 FOREMAN Tom

TREATMENT REPORT

DATE <u>3-8-11</u>	WELL NAME <u>Rogers 32-31</u>	SECTION <u>31</u>	TWP <u>5S</u>	RGE <u>39W</u>	COUNTY <u>Cheyenne</u>	FORMATION
CHARGE TO <u>Excel</u>			OWNER <u>Noble</u>			
MAILING ADDRESS			OPERATOR			
CITY			CONTRACTOR <u>Excel Rig 2</u>			
STATE ZIP CODE			DISTANCE TO LOCATION <u>87</u>			
TIME ARRIVED ON LOCATION <u>1:25</u>			TIME LEFT LOCATION <u>5:00 pm</u>			

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>2 1/4"</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>1563</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
CASING SIZE <u>4 1/2"</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING DEPTH <u>1520</u>	TUBING CONDITION <u>Black 1520</u>	TREATMENT VIA	TUBING		
CASING WEIGHT <u>11.6</u>	PACKER DEPTH		TYPE OF TREATMENT		
CASING CONDITION <u>good</u>			TREATMENT RATE		

PRESSURE SUMMARY			
BREAKDOWN or CIRCULATING psi	AVERAGE psi	TYPE OF TREATMENT	
FINAL DISPLACEMENT psi	ISIP psi	<input type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM
ANNULUS psi	5 MIN SIP psi	<input checked="" type="checkbox"/> PRODUCTION CASING	INITIAL BPM
MAXIMUM psi	15 MIN SIP psi	<input type="checkbox"/> SQUEEZE CEMENT	FINAL BPM
MINIMUM psi		<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	

INSTRUCTIONS PRIOR TO JOB mix safety - Circulation m4P 40SKS @ 15 bbls of mix m4P 56SKS @ 13 bbls of mix - 40SKS w/ Gel 12 @ 12lb per gal. 15. legal per sack yld 2.64 cu ft per SK 56SKS by Ltr 9.7 gal per SK yld 1.35 cu ft per SK - drop plug displacement 23.5 bbls of H2O hand plug w/ 1100-1300/lbs Rig down

Cap. 0155 Annulus 1026 yld 2.64 20 50 per Sam character

JOB SUMMARY			
DESCRIPTION OF JOB EVENTS <u>mix safety Circulation m4P drop plug displace surf plug</u>			
<u>1:25</u>	<u>3:55</u>	<u>4:06</u>	<u>4:07</u>
		<u>4:27</u>	<u>4:27</u>
		<u>4:30</u>	<u>4:30</u>
		<u>4:33</u>	<u>4:33</u>

Hand plug @ 1200 lbs

13 bbls to pit

Sam Chast Field Rep 3-8-11 DATE

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