

BISON OIL WELL CEMENTING, INC.



1736 Wynkoop St., Ste. 102
 Denver, Colorado 80202
 Phone: 303-298-3010
 Fax: 303-298-5143
 E-mail: bisonoil1@qwestoffice.net

REF. INVOICE # 9862

LOCATION Voltaire Ks

FOREMAN Justin Crinklow

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
2-3-11	M ⁶ PPS 13-33	33	55	39W	Cheyenne	

CHARGE TO <u>Excell</u>	OWNER
MAILING ADDRESS	OPERATOR
CITY	CONTRACTOR
STATE ZIP CODE	DISTANCE TO LOCATION <u>80</u>
TIME ARRIVED ON LOCATION <u>5:45pm</u>	TIME LEFT LOCATION <u>8:15pm</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>9 7/8"</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>422</u>	TUBING DEPTH	SHOOTS/AFT	SURFACE PIPE ANNULUS LONG		
	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>7"</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>416</u>	<u>BB 376</u>	TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>17</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	

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 MIRU Safety Circ M+P ^{17H} 17H bbls of B3 Lite Yield of 1.57 Mi 2.5
bbls of H₂O/H₂O reg 4.78 gal/sk Displace 15 bbls of H₂O Shut in
5.77

Annulus Capacity

JOB SUMMARY MIRU Safety Circ M+P Displace Shut in

DESCRIPTION OF JOB EVENTS 5:45pm 6:33pm 6:58pm 7:00pm 7:18pm 7:36pm

Displace

7:23pm ¹⁰ 150

7:35pm ¹⁵ 200

10 bbls to pit

Justin Crinklow Rush 2-3-11

AUTHORIZATION TO PROCEED TITLE DATE

Customers hereby acknowledge and specifically agree 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.

BISON OIL WELL CEMENTING, INC.



1738 Wynkoop St., Ste. 102
 Denver, Colorado 80202
 Phone: 303-298-3010
 Fax: 303-298-8143
 E-mail: bisonoil@qwestoffice.net

REF. INVOICE # 9863

LOCATION Kottaira KS

FOREMAN Justin Crinklaw

TREATMENT REPORT

DATE <u>2-4-11</u>	WELL NAME <u>NIPPS 13-33</u>	SECTION <u>33</u>	TWP <u>5S</u>	RGE <u>39W</u>	COUNTY <u>Cheyenne</u>	FORMATION
CHARGE TO <u>Excell</u>			OWNER			
MAILING ADDRESS			OPERATOR			
CITY			CONTRACTOR			
STATE ZIP CODE			DISTANCE TO LOCATION <u>80</u>			
TIME ARRIVED ON LOCATION <u>1:15 pm</u>			TIME LEFT LOCATION <u>4:30</u>			

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE	TUBING SIZE	PERFORATIONS	SURFACE PIPE ANNULUS LONG	THEORETICAL	INSTRUCTED
<u>6 1/4</u>					
TOTAL DEPTH <u>1569</u>	TUBING DEPTH	SHOTS/FT	STRING		
	TUBING WEIGHT	OPEN HOLE	TUBING		
CASING SIZE <u>4 1/2</u>	TUBING CONDITION				

TREATMENT RATE	
TYPE OF TREATMENT	
<input type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM
<input checked="" 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 NHP = RATE X PRESSURE X 40.8

PRESSURE SUMMARY	
BREAKDOWN or CIRCULATING (psi)	AVERAGE (psi)
FINAL DISPLACEMENT (psi)	15IP (psi)
ANNULUS (psi)	5 MIN SIP (psi)
MAXIMUM (psi)	15 MIN SIP (psi)
MINIMUM (psi)	

INSTRUCTIONS PRIOR TO JOB MIRU Safety Circ @M4P 39 sks of n-gel-12 1/2 yield of 2.64 Mix 14.5
bbls of H2O 1/2 H2O 15.6 gal/sks @ 12 lbs @M4P 56 sks of BG Lite 1/2 yield of 1.35 Mix 13
bbls of H2O 1/2 H2O 9.7 gal/sks @ 13.8 Dropplug Displace 23.1 bbls of H2O Set Plug

Annulus .1026 Capacity .0155 20% excess as per same Fracture Leak Shield
while drilling
 JOB SUMMARY DESCRIPTION OF JOB EVENTS MIRU Safety Circ @M4P @M4P Dropplug Displace

Set @	Held @	Displace
<u>1200</u>	<u>1190</u>	<u>4:15-10-100</u>
		<u>4:22-20-400</u>
		<u>4:37-27-1190</u>

bbls to pit

[Signature] AUTHORIZATION TO PROCEED
Field Rep TITLE
2-4-11 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.