

BISON OIL WELL CEMENTING, INC.



1738 Wynkoop St., Ste. 102
 Denver, Colorado 80202
 Phone: 303-296-3010
 Fax: 303-296-8143
 E-mail: bisonoil@gwwestoffice.net

REF. INVOICE # 9962

LOCATION St Francis' s ks

FOREMAN Justin Crinklow

TREATMENT REPORT

DATE 5-3-11	WELL NAME Rogers 24-32	SECTION 32	TWP 55	RGE 39w	COUNTY cheyenne	FORMATION
CHARGE TO Excell		OWNER				
MAILING ADDRESS		OPERATOR				
CITY		CONTRACTOR Excell Rig 2				
STATE ZIP CODE		DISTANCE TO LOCATION 87				
TIME ARRIVED ON LOCATION 11:45am		TIME LEFT LOCATION 1:45pm		PRESSURE LIMITATIONS		

WELL DATA			PRESSURE LIMITATIONS	
HOLE SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL	INSTRUCTED
9 7/8"				
TOTAL DEPTH 345	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LEAK	
	TUBING WEIGHT	OPEN HOLE	STRING	
CASING SIZE 7"	TUBING CONDITION		TUBING	
CASING DEPTH 340	PB 300	TREATMENT VIA	TREATMENT RATE	
CASING WEIGHT 17	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM
CASING CONDITION good			<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	

PRESSURE SUMMARY			HYD FRIP = RATE X PRESSURE X 40.8		
BREAKDOWN or CIRCULATING	PSI	AVERAGE	PSI		
FINAL DISPLACEMENT	PSI	15 MIN SIP	PSI		
ANNULUS	PSI	5 MIN SIP	PSI		
MAXIMUM	PSI	15 MIN SIP	PSI		
MINIMUM	PSI				

INSTRUCTIONS PRIOR TO JOB: MIRU Safety Circ M&P 140 sks of B3 Lite yield of 1.13 Mix 16 bbls of H₂O @ 100
Req 4.75 gal/sks @ 15.2 lbs Dropping Displace 12.5 bbls of H₂O Shut in

Annulus 12647 Capacity 10415 76% excess as per Mark

JOB SUMMARY: MIRU Safety Circ M&P Dropping Displace Shut in

DESCRIPTION OF JOB EVENTS: 11:45am 1:05pm 1:07pm 1:08pm 1:21pm 1:22pm 1:27pm

1:24pm 10 120
1:26pm 12.5 170

11 bbls to pit

[Signature]
 AUTHORIZATION TO PROCEED

[Signature]
 TITLE

5/3/11
 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: 303-296-3010
 Fax: 303-296-8145
 E-mail: bisonoil@qwestoffice.net

REF INVOICE # 9957
 LOCATION St. Francis
 FOREMAN Randy Newton

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
5-4-11	Rogers 2432	32	5S	39W	Cherokee	
CHARGE TO	OWNER		Noble			
MAILING ADDRESS	OPERATOR		Excell			
CITY	CONTRACTOR		Excell rig 2			
STATE ZIP CODE	DISTANCE TO LOCATION		58 mi			
TIME ARRIVED ON LOCATION	TIME LEFT LOCATION		12:45 pm			

PRESSURE LIMITATIONS

WELL DATA		THEORETICAL	INSTRUCTED
HOLE SIZE	TUBING SIZE	SURFACE PIPE ANNULUS LONG	
TOTAL DEPTH	TUBING DEPTH	STRING	
CASING SIZE	TUBING WEIGHT	TUBING	

WELL DATA		TREATMENT RATE	
CASING DEPTH	TUBING CONDITION	TYPE OF TREATMENT	BREAKDOWN BPM
CASING WEIGHT	PACKER DEPTH	PRODUCTION CASING	INITIAL BPM
CASING CONDITION	TREATMENT VIA	SQUEEZE CEMENT	FINAL BPM
		ACID BREAKDOWN	MINIMUM BPM
		ACID STIMULATION	MAXIMUM BPM
		ACID SPOTTING	AVERAGE BPM
		MISC PUMP	HYD HHP = RATE X PRESSURE X JBZ
		OTHER	

PRESSURE SUMMARY

BREAKDOWN OF 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: MTRU sm circ mtp 38 sk of N-Gel-12 @ 12¹⁶ per gal water
 Reg 15.6 gal per sk 14 bbls mix water yield of 2.04 cu ft/gal mtp 50 sk of BL-like
 @ 13.8/15 per gal water reg of 7 gal per sk 13 bbls of mix water yield of 1.35 cu ft/sk
 Drop plug Displace w/12.7 bbls water land plug rig down
 20% excess as per Sam chartier Field Rep.

JOB SUMMARY

DESCRIPTION OF JOB EVENTS	MTRU	Sm	Circ	mtp	mtp	Drop plug	Displace
	9:45 am	11:40 am	11:45 am	11:47 am	11:57 am	12:07 pm	12:10
land plug							12:17 300
12:17 pm							12:16 20450
reg down							12:17 22.7 1250
12:30							

7 bbls cement to pit
 land plug w/1250 P.S.T.

Sam Chartier Field Rep
 AUTHORIZATION TO PROCEED
 DATE: 5-4-11

Customers hereby acknowledge 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.