

BISON OIL WELL CEMENTING, INC.



1736 Winkler St. Ste 100
 Denver, Colorado 80230
 Phone 303-296-8910
 Fax 303-296-8143
 E-mail bisonoil@gwwestoffice.net

REF. INVOICE # 10099

LOCATION St Francis

FOREMAN _____

TREATMENT REPORT

DATE 8-10-11	WELL NAME Rogers 44-14B	SECTION 14	TWP 55	RANGE 40W	COUNTY	TREATMENT
CHANGE TO Excell			OWNER Nobel			
MAILING ADDRESS			OPERATOR Excell rig #2			
CITY			CONTRACTOR			
STATE ZIP CODE			DISTANCE TO LOCATION 87 mile			
TIME ARRIVED ON LOCATION 2:30pm			REQ 3:30pm		TIME LEFT LOCATION 5pm	

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 9 7/8	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH 417'	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 7"	TUBING CONDITION		TUBING		
CASING DEPTH 411'		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 17 lbs	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION good			<input type="checkbox"/> PRODUCTION CASING		INITIAL BPM
PRESSURE SUMMARY			<input type="checkbox"/> SQUEEZE CEMENT		FINAL BPM
BREAKDOWN OF 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 ANN 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 HP = RATE X PRESSURE X 2.31

INSTRUCTIONS PRIOR TO JOB **MTRU Safety Circ M4P 1835kcs of B3-lite 15.7 lb/gal, 1.07 yd**
4.2 gal/gkc mix water 18.3 bbls drop plug displace 15.3 bbls shut in cleanup
more aft location
80% excess

JOB SUMMARY

DESCRIPTION OF JOB EVENTS

MTRU Safety Circ M4P Drop plug Displace
3pm 3:40pm 3:43pm 3:48pm 4:01pm 4:02pm

70psi 10 4:04pm
200psi 153 4:07pm

Shut in at 4:07pm @ 200psi
3 bbls to the pit

[Signature]
 AUTHORIZATION TO PROCEED

[Signature]
 TITLE

8/10/11
 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.



1736 Wynkoop St., Ste. 102
 Denver, Colorado 80202
 Phone 303-296-3016
 Fax 303-296-8157
 E-mail: bisonoil@qwestoffice.net

REF. INVOICE # 10095

LOCATION St. Francis

FOREMAN Randy Newton

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
8-11-11	Rogers 44-14B	14	55	46W	Chrysmite	
CHANGE TO	EXCELL		OWNER Noble			
ANALYSIS ADDRESS			OPERATOR			
CITY			CONTRACTOR Excell reg 2			
STATE ZIP CODE			DISTANCE TO LOCATION 57			
TIME ARRIVED ON LOCATION	12:30 p.m. (11:30 AM)		TIME LEFT LOCATION 4:15 p.m.			

WELL DATA			PRESSURE LIMITATIONS		
WELL SIZE	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
6 1/4"					
TOTAL DEPTH 1633'	TUBING DEPTH	SHOOTS FT	SURFACE PIPE ANNULUS LONG		
Drill pipe 3 1/2'	13.5'	OPEN HOLE	STUBS		
CASING SIZE	TUBING CONDITION		TUBING		
CASING DEPTH		TREATMENT VIA	TYPE OF TREATMENT		
CASING WEIGHT	PACKER DEPTH		TREATMENT RATE		
CASING CONDITION			<input type="checkbox"/> SURFACE PIPE <input type="checkbox"/> PRODUCTION CASING <input type="checkbox"/> SQUEEZE CEMENT <input type="checkbox"/> ACID BREAKDOWN <input type="checkbox"/> ACID STIMULATION <input type="checkbox"/> ACID SPOTTING <input type="checkbox"/> MISC FLUIDS OTHER: P&A 1581		
			BREAKDOWN BPM INITIAL BPM FINAL BPM MINIMUM BPM MAXIMUM BPM AVERAGE BPM (MTP) BPM = RATE X PRESSURE X 40.8		

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 5m Circ 1st plug @ 1581' MTP 50SK of 26-lin @ 13.8 bbl/gal water req. 6.78 gal/sk Yield of 1.33 cu ft/sk Displace w 11.5 bbl/s shutdown 2nd plug @ 465' mtp 50SK 26-lin 7.5 bbl/mix water Displace w 3 bbl/s shutdown 3rd plug @ 60' mtp 10SK 26-lin 1.5 bbl/mix water Displace w 1.5 bbl/s shutdown Rig down

JOB SUMMARY					
DESCRIPTION OF JOB EVENTS					
MTRU	5m	Circ	MTP	Displace	shutdown
	12:30 p.m.	2:00 p.m.	1st 2:13 p.m.	1st 2:15 p.m.	1st 2:22
			2nd 3:15 p.m.	2nd 3:18 p.m.	2nd 3:25
			3rd 3:47 p.m.	3rd 3:47 p.m.	3rd 3:50
					3:50, 50
					3:50, 50

1st plug 1581' - 1269'
 2nd plug 465' - 153'
 3rd plug 60' to surface

[Signature]
 AUTHORIZATION TO PROCEED TITLE DATE

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