

District I  
1625 N. French Drive, Hobbs, NM 88240

District II  
811 South First Street, Artesia, NM 88210

District III  
1000 Rio Brazos Road, Aztec, NM 87410

District IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-107A  
Revised May 15, 2000

OIL CONSERVATION DIVISION

2040 South Pacheco  
Santa Fe, New Mexico 87505

APPLICATION TYPE

Single Well  
Establish Pre-Approved Pools  
EXISTING WELLBORE  
Yes No

APPLICATION FOR DOWNHOLE COMMINGLING

Burlington Resources Oil and Gas Company P.O. Box 4289 Farmington, New Mexico 87499  
Operator Address

McClanahan 21 B 13 T28N R10W San Juan  
Lease Well No. Unit Letter-Section-Township-Range County

OGRID No. 14538 Property Code 18577 API No. 30-045-25362 Lease Type: X Federal State Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Basin Fruitland Coal		Otero Chacra
Pool Code	71629		82329
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	1792' - 1914' (est)		2911' - 3039'
Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)	Based on offset wells: 220 psi (est)		Offset well: Current: 429 psi
Oil Gravity or Gas BTU (Degree API or Gas BTU)	960 BTU (est)		1169 BTU
Producing, Shut-In or New Zone	New Zone		Producing
Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.)	New Zone—Est.  Date: 6/1/02  Rates: 113 MCFD; 0 BWPD (est)	Date:  Rates:	Date: 1/31/02  Rates: 21 MCFD, 0 BWPD, 0 BOPD
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	To Be Filed After Commingled	Oil Gas % %	To Be Filed After Commingled

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones?  
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail?

Yes X No  
Yes No

Are all produced fluids from all commingled zones compatible with each other?

Yes X No

Will commingling decrease the value of production?

Yes No X

If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application?

Yes X No

NMOCD Reference Case No. applicable to this well:

Attachments:

- C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- Production curve for each zone for at least one year. (If not available, attach explanation.)
- For zones with no production history, estimated production rates and supporting data.
- Data to support allocation method or formula.
- Any additional statements, data or documents required to support commingling.

PRE-APPROVED POOLS

If application is to establish Pre-Approved Pools, the following additional information will be required:

- List of other orders approving downhole commingling within the proposed Pre-Approved Pools
- List of all operators within the proposed Pre-Approved Pools
- Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.
- Bottomhole pressure data.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Brad Sutton TITLE Operations Engineer DATE 3/12/02  
tlw  
TYPE OR PRINT NAME Brad Sutton TELEPHONE NO. ( 505 ) 326-9700

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

## State of New Mexico

Energy, Minerals &amp; Natural Resources Department

## OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-102

Revised August 15, 2000

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-045-25362	<sup>2</sup> Pool Code 71629/82329	<sup>3</sup> Pool Name Basin Fruitland Coal/Otero Chacra
<sup>4</sup> Property Code 18577	<sup>5</sup> Property Name McClanahan	<sup>6</sup> Well Number 21
<sup>7</sup> OGRID No. 14538	<sup>8</sup> Operator Name Burlington Resources Oil & Gas Company, LP	<sup>9</sup> Elevation 5727 GL

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	13	28N	10W		980	North	1610	East	San Juan

<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

<sup>12</sup> Dedicated Acres CHA-NE/160 FC-E/320	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16		<b>17 OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature Peggy Cole Printed Name Regulatory Supervisor Title 2-15-02 Date
		<b>18 SURVEYOR CERTIFICATION</b> I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey Signature and Seal of Professional Surveyor: Certificate Number
Original Plat from Fred B Kerr Jr 1-8-82		

McClanahan #21

Offset Well Performance

9 Sec Area Includes: Sec. 11,12,13,14,23,24 of Township 28N - Range 10W

Sec 7,18 of Township 28N - Range 9W

API Number	Well Name	Well Number	Location				Operator	Year Comp	Perforation Depth	Current Rate
			Dir	Sec	TwN	Rng				(mcf/d)
3004560308	Zachry	5	SE	11	28N	10W	BR	1994	1728-1862	105
3004507566	Zachry	1	SW	12	28N	10W	BR	1995	1940-2058	96
3004507436	McClanahan	12	SW	13	28N	10W	BR	1994	1722-1840	84
3004527926	McClanahan	550	SW	14	28N	10W	BR	1990	1778-1924	83
3004507336	McClanahan	6	NW	23	28N	10W	BR	1992	1900-2016	123
3004513251	McClanahan	3	SW	24	28N	10W	BR	1994	1744-1859	154
3004527866	McClanahan	551	NE	24	28N	10W	BR	1990	1902-2037	221
3004507570	Reid	14	SE	7	28N	09W	BR	1994	1940-2080	102
3004507438	Reid	13	SE	18	28N	09W	BR	1994	1816-1954	34
3004507292	Reid	8	SW	19	28N	09W	BR	1993	1940-2071	226
3004529105	Reid	7R	NE	19	28N	09W	BR	1994	1882-2006	12

Avg Current Rate of 9 Section Area: 113

**McClanahan 22**  
**Bottom Hole Pressures**  
**Flowing and Static BHP**  
**Cullender and Smith Method**  
Version 1.0 3/13/94

Used as offset well to McClanahan 21

<b>Chacra</b>	
<b>Used as offset well to McClanahan 21</b>	
<b><u>CH-Current</u></b>	
GAS GRAVITY	0.662
COND. OR MISC. (C/M)	M
%N2	0.43
%CO2	0.27
%H2S	0
DIAMETER (IN)	2.441
DEPTH (FT)	2838
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	100
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	400
BOTTOMHOLE PRESSURE (PSIA)	429.1
<b><u>CH-Original</u></b>	
GAS GRAVITY	0.662
COND. OR MISC. (C/M)	M
%N2	0.43
%CO2	0.27
%H2S	0
DIAMETER (IN)	2.441
DEPTH (FT)	2838
SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	100
FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	607
BOTTOMHOLE PRESSURE (PSIA)	653.0

# Cumulative Monthly Well Report

Select By : Completions

March 1994 Through March 2002

Page No : 1  
Report Number : R\_290  
Print Date : 3/4/2002, 12:58:10 PM

Completion	Date	Oil		Gas		Water	
		Current	Cumulative	Current	Cumulative	Current	Cumulative
MCCLANAHAN 21	11/30/1998	0.00	0.00	791.16	791.16	0.00	0.00
	12/31/1998	0.00	0.00	773.51	1,564.67	0.00	0.00
	1/31/1999	0.00	0.00	783.31	2,347.98	0.00	0.00
	2/28/1999	0.00	0.00	713.71	3,061.69	0.00	0.00
	3/31/1999	0.00	0.00	790.18	3,851.87	0.00	0.00
	4/30/1999	0.00	0.00	895.07	4,746.94	0.00	0.00
	5/31/1999	0.00	0.00	873.51	5,620.45	0.00	0.00
	6/30/1999	0.00	0.00	783.31	6,403.76	0.00	0.00
	7/31/1999	0.00	0.00	787.23	7,190.99	0.00	0.00
	8/31/1999	0.00	0.00	769.59	7,960.58	0.00	0.00
	9/30/1999	0.00	0.00	764.69	8,725.27	0.00	0.00
	10/31/1999	0.00	0.00	782.33	9,507.60	0.00	0.00
	11/30/1999	0.00	0.00	749.98	10,257.58	0.00	0.00
	12/31/1999	0.00	0.00	758.80	11,016.38	0.00	0.00
	1/31/2000	0.00	0.00	746.06	11,762.44	0.00	0.00
	2/29/2000	0.00	0.00	713.71	12,476.15	0.00	0.00
	3/31/2000	0.00	0.00	904.88	13,381.03	0.00	0.00
	4/30/2000	0.00	0.00	919.58	14,300.61	0.00	0.00
	5/31/2000	0.00	0.00	739.20	15,094.71	0.00	0.00
	6/30/2000	0.00	0.00	753.90	15,833.91	0.00	0.00
	7/31/2000	0.00	0.00	827.43	16,587.81	0.00	0.00
	8/31/2000	0.00	0.00	820.57	17,415.24	0.00	0.00
	9/30/2000	0.00	0.00	749.00	18,235.81	0.00	0.00
	10/31/2000	0.00	0.00	909.78	19,894.59	0.00	0.00
	11/30/2000	0.00	0.00	827.43	20,722.02	0.00	0.00
	12/31/2000	0.00	0.00	739.20	21,461.22	0.00	0.00
	1/31/2001	0.00	0.00	799.98	22,261.20	0.00	0.00
	2/28/2001	0.00	0.00	718.61	22,979.81	0.00	0.00
	3/31/2001	0.00	0.00	707.82	23,687.63	0.00	0.00
	4/30/2001	0.00	0.00	723.51	24,299.38	0.00	0.00
	5/31/2001	0.00	0.00	700.96	25,022.89	0.00	0.00
	6/30/2001	0.00	0.00	666.65	25,723.85	0.00	0.00
	7/31/2001	0.00	0.00	666.65	26,390.50	0.00	0.00
	8/31/2001	0.00	0.00	614.69	27,057.15	0.00	0.00
	9/30/2001	0.00	0.00	604.89	27,662.04	0.00	0.00
	10/31/2001	0.00	0.00	647.04	28,276.73	0.00	0.00
	11/30/2001	0.00	0.00	0.00	28,923.77	0.00	0.00
	12/31/2001	0.00	0.00	0.00	28,923.77	0.00	0.00
	1/31/2002	0.00	0.00	0.00	28,923.77	0.00	0.00
	2/28/2002	0.00	0.00	0.00	28,923.77	0.00	0.00
	3/31/2002	0.00	0.00	0.00	28,923.77	0.00	0.00

MCCLANAHAN 21 4638101 (295807142925.692) Data: Jan. 1982-Jan. 2002

Operator: Unknown  
Field:  
Zone:  
Type: Gas  
Group: None

No  
Active  
Forecast

Production Cums  
Oil: 0 MSTB  
Gas: 297.324 MMSCF  
Water: 0.48 MSTB  
Cond: 0 MSTB

—○— Pressure - psi  
Cum: 0

