

DATE IN 3/14/02	SUSPENSE NA	ENGINEER WJ	LOGGED IN RN	TYPE DHC	APP NO. PKRV 0207456040
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
- Engineering Bureau -
1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

- [NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
 [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
 [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
 [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
 [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
 [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

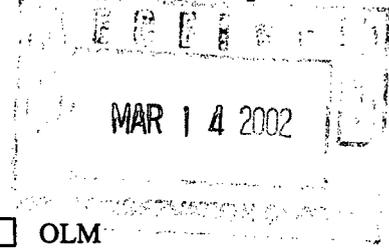
- [1] TYPE OF APPLICATION - Check Those Which Apply for [A]
 [A] Location - Spacing Unit - Simultaneous Dedication
 NSL NSP SD

Check One Only for [B] or [C]

- [B] Commingling - Storage - Measurement
 DHC CTB PLC PC OLS OLM

- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
 WFX PMX SWD IPI EOR PPR

- [D] Other: Specify _____



- [2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply
 [A] Working, Royalty or Overriding Royalty Interest Owners
 [B] Offset Operators, Leaseholders or Surface Owner
 [C] Application is One Which Requires Published Legal Notice
 [D] Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
 [E] For all of the above, Proof of Notification or Publication is Attached, and/or,
 [F] Waivers are Attached

- [3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

- [4] CERTIFICATION: I hereby certify that the information submitted with this application for administrative approval is accurate and complete to the best of my knowledge. I also understand that no action will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

PEGGY COLE
Print or Type Name

Peggy Cole
Signature

REGULATORY Supr.
Title

3-13-02
Date

peole@br-inc.com
e-mail Address



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Farmington Field Office
1235 La Plata Highway, Suite A
Farmington, New Mexico 87401

IN REPLY REFER TO:
3162.7 (07100)

March 19, 2002

Mr. Brad Sutton
Burlington Resources
Farmington, NM 87499

RE: Approval of commingling request.

Dear Mr. Sutton:

Reference is made to your application requesting authorization to downhole commingle gas and associated liquid hydrocarbons from the Basin Fruitland Coal and the Otero Chacra in the well listed below. After reviewing the production history of the Fruitland Coal and the Chacra, we have determined that these intervals have similar projected decline rates, pressures, and fluid characteristics. As such, we hereby approve your request for commingling. Upon completion, please provide allocation methodology.

If you have any questions, please contact Adrienne Garcia at (505) 599-6358 or the undersigned with this office at (505) 599-6367.

Well Name	Lease/CA#	Location	API#
McClanahan 22	SF 079634	sec 14, T28N, R10W	3004525696

If you have any questions, please contact Adrienne Garcia at (505) 599-6358 or the undersigned with this office at (505) 599-6367.

Sincerely,

/s/ Jim Lovato

Jim Lovato
Team Lead, Petroleum Management Team

cc: NMOCD, Santa Fe, NM
NMOCD, Aztec, NM

bcc: Well file
DOMR
07100:AGarcia:3/19/02:x6358:Burlington

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 22 G 14 T28N R10W San Juan
Lease Well No. Unit Letter-Section-Township-Range County

OGRID No. 14538 Property Code 18577 API No. 30-045-25696 Lease Type: 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)	1672' - 1792' (est)		2778' - 2898'
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)		Current: 429 psi
Oil Gravity or Gas BTU (Degree API or Gas BTU)	960 BTU (est)		1182 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: 5/1/02 Rates: 130 MCFD; 0 BWPD (est)	Date: Rates:	Date: 3/31/02 Rates: 31 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 No
Yes No

Are all produced fluids from all commingled zones compatible with each other? Yes No

Will commingling decrease the value of production? Yes No

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 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 & 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

¹ API Number 30-045-25696		² Pool Code 71629/82329		³ Pool Name Basin Fruitland Coal/Otero Chacra	
⁴ Property Code 18577		⁵ Property Name McClanahan			⁶ Well Number 22
⁷ OGRID No. 14538		⁸ Operator Name Burlington Resources Oil & Gas Company LP			⁹ Elevation 5636'GL

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	14	28N	10W		1635	North	1640	East	San Juan

¹¹ 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

¹² Dedicated Acres FTC: N/320 Cha: NE/160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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 	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
	Signature: Printed Name: Peggy Cole Title: Regulatory Supervisor Date: 3-13-02	
Original plat from Fred B. Kerr Jr. 4/6/1983		¹⁸ SURVEYOR CERTIFICATION 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

McClanahan #22

Offset Well Performance

9 Sec Area Includes: 10,11,12,13,14,15,22,23,24 of Township 28N - Range 10W

API Number	Well Name	Well Number	Location				Operator	Year Comp	Perforation Depth	Current Rate
			Dir	Sec	TwN	Rng				(mcf/d)
3004507564	Zachry	11	SW	10	28N	10W	BR	1994	1846-1976	76
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
3004507492	Cain	8	NE	15	28N	10W	BR	1993	1823-1961	120
3004521347	Cain	20	SW	15	28N	10W	BR	1993	1899-2036	66
3004507344	Davidson JC D	1	NE	22	28N	10W	BR	1993	1921-2063	236
3004528109	Kutz Canyon	500	SW	22	28N	10W	BR	1991	1998-2142	196
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

Avg Current Rate of 9 Section Area:

130

Cumulative Monthly Well Report March 1994 Through March 2002

Select By : Completions

Page No : 1

Report Number : R_290

Print Date : 3/4/2002, 12:58:45 PM

Completion	Date	Oil		Gas		Water	
		Current	Cumulative	Current	Cumulative	Current	Cumulative
MCCLANAHAN 22	11/30/1998	0.00	0.00	997.95	997.95	0.00	0.00
	12/31/1998	0.00	0.00	993.11	1,991.06	0.00	0.00
	1/31/1999	0.00	0.00	1,018.60	3,009.66	0.00	0.00
	2/28/1999	0.00	0.00	860.76	3,870.42	0.00	0.00
	3/31/1999	0.00	0.00	676.45	4,546.87	0.00	0.00
	4/30/1999	0.00	0.00	300.97	4,847.84	0.00	0.00
	5/31/1999	0.00	0.00	555.87	5,403.71	0.00	0.00
	6/30/1999	0.00	0.00	808.80	6,212.51	0.00	0.00
	7/31/1999	0.00	0.00	1,051.93	7,264.44	0.00	0.00
	8/31/1999	0.00	0.00	976.44	8,240.88	0.00	0.00
	9/30/1999	0.00	0.00	760.76	9,001.64	0.00	0.00
	10/31/1999	0.00	0.00	626.45	9,628.09	0.00	0.00
	11/30/1999	0.00	0.00	731.35	10,359.44	0.00	0.00
	12/31/1999	0.00	0.00	756.84	11,116.28	0.00	0.00
	1/31/2000	0.00	0.00	814.68	11,930.96	0.00	0.00
	2/29/2000	0.00	0.00	0.00	11,930.96	0.00	0.00
	3/31/2000	0.00	0.00	948.01	12,878.97	0.00	0.00
	4/30/2000	0.00	0.00	896.05	13,775.02	0.00	0.00
	5/31/2000	0.00	0.00	927.43	14,702.45	0.00	0.00
	6/30/2000	0.00	0.00	916.64	15,619.09	0.00	0.00
	7/31/2000	0.00	0.00	944.09	16,563.18	0.00	0.00
	8/31/2000	0.00	0.00	1,012.72	17,575.90	0.00	0.00
	9/30/2000	0.00	0.00	1,015.66	18,591.56	0.00	0.00
	10/31/2000	0.00	0.00	1,123.50	19,715.06	0.00	0.00
	11/30/2000	0.00	0.00	985.27	20,700.33	0.00	0.00
	12/31/2000	0.00	0.00	888.21	21,588.54	0.00	0.00
	1/31/2001	0.00	0.00	923.50	22,512.04	0.00	0.00
	2/28/2001	0.00	0.00	885.27	23,397.31	0.00	0.00
	3/31/2001	0.00	0.00	867.62	24,264.93	0.00	0.00
	4/30/2001	0.00	0.00	753.90	25,018.83	0.00	0.00
	5/31/2001	0.00	0.00	1,156.83	26,175.66	0.00	0.00
	6/30/2001	0.00	0.00	1,125.46	27,301.12	0.00	0.00
	7/31/2001	0.00	0.00	1,225.46	28,526.58	0.00	0.00
	8/31/2001	0.00	0.00	1,156.83	29,683.41	0.00	0.00
	9/30/2001	0.00	0.00	1,065.66	30,749.07	0.00	0.00
	10/31/2001	0.00	0.00	1,170.56	31,919.63	0.00	0.00
	11/30/2001	0.00	0.00	1,075.46	32,995.09	0.00	0.00
	12/31/2001	0.00	0.00	1,041.15	34,036.24	0.00	0.00
	1/31/2002	0.00	0.00	963.70	34,999.94	0.00	0.00
	2/28/2002	0.00	0.00	0.00	34,999.94	0.00	0.00
	3/31/2002	0.00	0.00	0.00	34,999.94	0.00	0.00

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

Chacra	
<u>CH-Current</u>	
GAS GRAVITY	<u>0.662</u>
COND. OR MISC. (C/M)	<u>M</u>
%N2	<u>0.43</u>
%CO2	<u>0.27</u>
%H2S	<u>0</u>
DIAMETER (IN)	<u>2.441</u>
DEPTH (FT)	<u>2838</u>
SURFACE TEMPERATURE (DEG F)	<u>60</u>
BOTTOMHOLE TEMPERATURE (DEG F)	<u>100</u>
FLOWRATE (MCFPD)	<u>0</u>
SURFACE PRESSURE (PSIA)	<u>400</u>
BOTTOMHOLE PRESSURE (PSIA)	<input style="width: 50px;" type="text" value="429.1"/>
<u>CH-Original</u>	
GAS GRAVITY	<u>0.662</u>
COND. OR MISC. (C/M)	<u>M</u>
%N2	<u>0.43</u>
%CO2	<u>0.27</u>
%H2S	<u>0</u>
DIAMETER (IN)	<u>2.441</u>
DEPTH (FT)	<u>2838</u>
SURFACE TEMPERATURE (DEG F)	<u>60</u>
BOTTOMHOLE TEMPERATURE (DEG F)	<u>100</u>
FLOWRATE (MCFPD)	<u>0</u>
SURFACE PRESSURE (PSIA)	<u>607</u>
BOTTOMHOLE PRESSURE (PSIA)	<input style="width: 50px;" type="text" value="653.0"/>

MCCLANAHAN 22 4636001 (295608951638.67) Data: Jan.1983-Jan.2002

Operator: Unknown

Field:

Zone:

Type: Gas

Group: None

No

Active

Forecast

Production Cums

Oil:

0 MSTB

Gas: 361.245 MMSCF

Water: 0.211 MSTB

Cond: 0 MSTB

—X— Pressure - psi

Cum: 0

