

18 April 07 DATE IN	SUSPENSE	W. Jones ENGINEER	19 April 07 LOGGED IN	DHC TYPE	PCLP 0716932216 APP NO.
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ABOVE THIS LINE FOR DIVISION USE ONLY

3876

**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

2007 APR 18 AM 10 11

[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.**

Shonda Rogers Shonda Rogers Regulatory Technician 4-17-07  
 Print or Type Name Signature Title Date  
rogers@conocophillips.com  
 e-mail Address

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

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-107A  
Revised June 10, 2003

District II  
1301 W. Grand Avenue, Artesia, NM 88210

**Oil Conservation Division**  
1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505

APPLICATION TYPE  
 Single Well  
 Establish Pre-Approved Pools  
EXISTING WELLBORE  
 Yes  No

District III  
1000 Rio Brazos Road, Aztec, NM 87410

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

**APPLICATION FOR DOWNHOLE COMMINGLING**

*DHC-3872*

Burlington Resources Oil & Gas Company, LP P.O.Box 4289 Farmington, NM 87499  
Operator Address

MURPHY D 100 Unit I, Sec. 27, 030N, 011W SAN JUAN  
Lease Well No. Unit Letter-Section-Township-Range County

OGRID No: 14538 Property Code 7339 API No. 30045341750000 Lease Type:  Federal  State  Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	<i>JUNES</i> AZTEC FRUITLAND SANDS		BASIN FRUITLAND COAL
Pool Code	71200 ✓		71629 ✓
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	2025' -2175' Estimated		2175' -2350' Estimated
Method of Production (Flowing or Artificial Lift)	NEW ZONE		NEW ZONE
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)	150% RULE		150% RULE
Oil Gravity or Gas BTU (Degree API or Gas BTU)	BTU 1000		BTU 1000
Producing, Shut-In or New Zone	NEW ZONE		NEW ZONE
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.)	Date: N/A Rates: N/A		Date: N/A Rates: N/A
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil Gas Will be supplied upon completion		Oil Gas Will be supplied upon completion

**ADDITIONAL DATA**

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes  No   
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? 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.
- Notification list of working, royalty and overriding royalty interests for uncommon interest cases.
- 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 *Julian Carrillo* TITLE Engineer DATE 4/17/2007

TYPE OR PRINT NAME Julian Carrillo, Engineer TELEPHONE NO. (505) 326-9700

E-MAIL ADDRESS Julian.B.Carrillo@conocophillips.com

Murphy D 100  
Unit I, Section 27, T30N, R11W

The Murphy D 100 is a Fruitland Coal and Fruitland Sand newdrill. A cased hole neutron log will be run prior to completion to identify the Fruitland Sand and Fruitland Coal zones. If the Fruitland Sand and Fruitland Coal horizons can be isolated, a separator test will be performed and the allocation will be assigned with results using the subtraction method applied to the rate. In the event that the Fruitland Sand and Fruitland Coal can not be tested separately, a volumetric calculation will be performed to determine the allocation percentages between the Fruitland Coal and Fruitland Sand. All documentation will be submitted to the Aztec NMOCD office.

DISTRICT I  
1625 N. French Dr., Hobbs, N.M. 88240

DISTRICT II  
1301 W. Grand Avenue, Artesia, N.M. 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, N.M. 87410

DISTRICT IV  
1220 S. St. Francis Dr., Santa Fe, N.M. 87506

State of New Mexico  
Energy, Minerals & Natural Resources Department

Form C-102  
Revised October 12, 2005

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, N.M. 87505

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	<sup>2</sup> Pool Code	<sup>3</sup> Pool Name <b>BASIN (FRUITLAND COAL)</b>
<sup>4</sup> Property Code	<sup>5</sup> Property Name <b>MURPHY D</b>	
<sup>7</sup> GRID No.	<sup>6</sup> Operator Name <b>BURLINGTON RESOURCES OIL &amp; GAS CO. LP.</b>	<sup>8</sup> Well Number <b>100</b>
		<sup>9</sup> Elevation <b>5983</b>

<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
I	27	30 N	11 W		1690	SOUTH	1090	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 <b>317.76</b>	<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

2675.93'	LOTS 4	LOTS 3	LOTS 2	LOTS 1	2662.78'	<p><b>17 OPERATOR CERTIFICATION</b></p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i></p> <p>Signature _____ Date _____</p> <p>Printed Name _____</p>
	N 0°20'19" W	LOTS 6	LOTS 6	LOTS 7		
2675.06'	LOTS 12	LOTS 11	LOTS 10	LOTS 9	2659.72'	<p><b>18 SURVEYOR CERTIFICATION</b></p> <p><i>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.</i></p> <p><b>11/28/06</b> Date of Survey</p> <p>Signature and Seal of Professional Surveyor _____</p> <p><b>17078</b> Certificate Number</p>
	N 0°21'03" W	LOTS 13	LOTS 14	LOTS 15		
N 88°19'56" W	2585.27'	N 88°20'13" W	2595.27'			

NAD 83  
LAT: 36.780572° N  
LONG: 107.973129° W

SECTION 27

NAD 27  
LAT: 36° 46.8341' N  
LONG: 107° 58.3504' W

USA NM-02758

1090'

1690'

DISTRICT I  
255 A French Dr., Hobbs, N.M. 78240

DISTRICT II  
1001 W. Grand Avenue, Artesia, N.M. 06010

DISTRICT III  
1000 The Granger Rd., Artesia, N.M. 07010

DISTRICT IV  
1220 S. St. Francis Dr., Santa Fe, N.M. 99608

State of New Mexico  
Geology, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, N.M. 37505

Form C-102  
Revised October 12, 2005  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

APL Number 30-045-34175	Pool Code 71200	Pool Name Aztec Fruitland Sands
Property Code 7339	Property Name MURPHY D	Well Number 100
Gravel No. 14538	Operator Name BURLINGTON RESOURCES OIL & GAS CO. LP.	Elevation 5955

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	27	30 N	11 W		1690	SOUTH	1090	EAST	SAN JUAN

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

Dedicated Acres 158.66 SE 1/4

Consolidation Code

Order No.

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

2675.93'	LOTS 4	LOTS 5	LOTS 6	LOTS 7	LOTS 8	2662.78'	<p><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or retained mineral interest in the land including the proposed well. I hereby certify or have a right to do so. The well of this location is proposed to be drilled with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order approved by the division.</p> <p><i>Patsy Clugston</i> 4/2/07 Signature Date Patsy Clugston Printed Name</p>
	N 0°20'19" W	SECTION 27 NAD 83 LAT: 56.780672° N LONG: 107.973129° W					
2675.06'	LOTS 9	LOTS 10	LOTS 11	LOTS 12	LOTS 13	2659.72'	<p><b>SURVEYOR CERTIFICATION</b></p> <p>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.</p> <p>11/28/06 Date of Survey Signature and Seal of Registered Professional Surveyor <i>[Signature]</i> 17079 Certificate Number</p> <p>NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR 17079</p>
	N 0°21'03" W	USA NM-02758 NAD 27 LAT: 56° 46.8341' N LONG: 107° 58.3504' W					
N 88°19'56" W	2595.27'	2595.27'	N 88°20'13" W	2595.27'	2595.27'		

MURPHY D 100 FC Data: Apr.2007-Apr.2007

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

No  
Active  
Forecast

Operator:  
Field:  
Zone:  
Type: Other  
Group: None



