



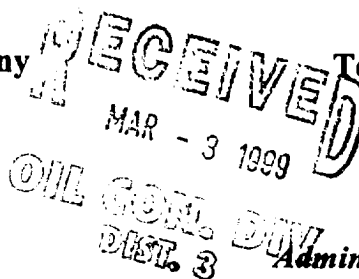
**NEW MEXICO ENERGY, MINERALS  
& NATURAL RESOURCES DEPARTMENT**

OIL CONSERVATION DIVISION  
2040 South Pacheco Street  
Santa Fe, New Mexico 87505  
(505) 827-7131

February 25, 1999

**Burlington Resources Oil & Gas Company**  
**P. O. Box 4289**  
**Farmington, New Mexico 87499-4289**  
**Attention: Peggy Bradfield**

Telefax No. (505) 326-9833



**Administrative Order NSL-4220**

Dear Ms. Bradfield:

Reference is made to your application dated February 23, 1999 for an exception to the well location requirements provided within the "*Special Rules for the Blanco-Mesaverde Pool*," as promulgated by New Mexico Oil Conservation Division ("Division") Order No. R-10987-A, issued in Case No. 12069 dated February 1, 1999, for a non-standard Blanco-Mesaverde infill gas well location in an existing standard 318.14-acre stand-up gas spacing and proration unit ("GPU") for the Blanco-Mesaverde Pool comprising Lots 5 and 6, the S/2 NE/4, and the SE/4 (E/2 equivalent) of Section 2, Township 29 North, Range 7 West, NMPM, Rio Arriba County, New Mexico.

This GPU is currently dedicated to Burlington Resources Oil & Gas Company's:

- (i) San Juan "29-7" Unit Well No. 47 (API No. 30-039-07709), located 890 feet from the North line and 1750 feet from the East line (Lot 6/Unit B) of Section 2;
- (ii) San Juan "29-7" Unit Well No. 47-A (API No. 30-039-21613), located 1160 feet from the South line and 1680 feet from the East line (Unit O) of Section 2; and
- (iii) San Juan "29-7" Unit Well No. 47-B (API No. 30-039-25622), located 2610 feet from the South line and 2200 feet from the East line (Unit J) of Section 2 (see Division Order No. R-10720, issued in Case No. 11625 dated January 9, 1997).

The locations of these three existing wells are considered to be standard pursuant to **Subparagraph I.B** of the current special rules governing the Blanco-Mesaverde Pool.

This application has been duly filed under the provisions of Division Rules 104.F and 605.B.

By the authority granted me under the provisions of Division Rule 104.F(2), the following described well to be drilled as the third infill well on this GPU at an unorthodox gas well location

Administrative Order NSL-4220  
Burlington Resources Oil & Gas Company  
February 25, 1999  
Page 2


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in Section 2 is hereby approved:

**San Juan "29-7" Unit Well No. 47-C  
345' FNL & 490' FEL (Lot 5/Unit A)  
(API No. 30-039-26074).**

Further, all four of the aforementioned San Juan "29-7" Unit Well Nos. 47, 47-A, 47-B, and 47-C and existing GPU will be subject to all existing rules, regulations, policies, and procedures applicable to prorated gas pools in Northwest, New Mexico and to the Blanco-Mesaverde Pool.

Sincerely,

A handwritten signature in black ink, appearing to read "Lori Wrotenbery", followed by a stylized flourish or initials.

Lori Wrotenbery  
Director

LW/MES/kv

cc: New Mexico Oil Conservation Division - Aztec ✓  
New Mexico State Land Office – Santa Fe

# BURLINGTON RESOURCES

SAN JUAN DIVISION

February 23, 1999

Sent Federal Express

Mr. Michael Stogner  
New Mexico Oil Conservation Division  
2040 South Pacheco  
Santa Fe, New Mexico 87505

RECEIVED  
FEB 25 1999  
OIL CON. DIV.  
DIST. 3

Re: San Juan 29-7 Unit #47C  
345' FNL, 490' FEL Section 2, T-29-N, R-7-W, Rio Arriba County  
30-039-26074

Dear Mr. Stogner:

Burlington Resources is applying for administrative approval of an unorthodox gas well location for the Blanco Mesa Verde pool. This well is part of the increased density Mesa Verde program for Burlington Resources.

However, the referenced location was staked non-standard outside the parameters of the increased density order, R-10987A. This location is due to the drastic relief in topography at a standard location and for geological reasons as shown on the attached maps and narrative. The drastic topographic relief lends itself to both a poor site for a well location and steep access which is difficult to adequately maintain. Significant amounts of archaeology are also present in the northeast quarter of this section.

Production from the Blanco Mesa Verde pool is to be included in a 318.14 acre gas spacing and proration unit for the east half (E/2) in Section 2. Production from the Blanco Mesa Verde is to be dedicated to the San Juan 29-7 Unit #47 (30-039-07709) located at 890' FNL, 1750' FEL of Section 2, San Juan 29-7 Unit #47A (30-039-21613) located at 1160' FSL, 1680' FEL of Section 2, and San Juan 29-7 Unit #47B (30-039-25622) located at 2610' FSL, 2200' FEL of Section 2.

The following attachments are for your review:

- Application for Permit to Drill.
- Completed C-102 at referenced location.
- Offset operators/owners plat - Burlington is the offsetting operator.
- Geological narrative and maps
- 7.5 minute topographic map.

We appreciate your earliest consideration of this application.

Sincerely,



Peggy Bradfield  
Regulatory/Compliance Administrator

xc: NMOCD - Aztec District Office  
Bureau of Land Management

District I  
PO Box 1980, Hobbs, NM 88241-1980  
District II  
811 South First, Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

RECEIVED  
FEB 25 1999  
OIL CON. DIV.  
DIST. 3

Form C-101  
Revised October 18, 1994  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 6 Copies  
Fee Lease - 5 Copies

AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

Operator Name and Address. Burlington Resources Oil & Gas Company PO Box 4289, Farmington, NM 87499		OGRID Number 14538
Property Code 7465	Property Name San Juan 29-7 Unit	API Number 30 - 039 - 26074
		Well No. 47C

7 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	2	29N	7W		345'	North	490'	East	Rio Arriba

8 Proposed 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
Proposed Pool 1					Proposed Pool 2				
Blanco Mesaverde									

Work Type Code N	Well Type Code G	Cable/Rotary Rotary	Lease Type Code State	Ground Level Elevation 6823' GR
Multiple N	Proposed Depth 6300'	Formation Mesaverde	Contractor N/a	Spud Date N/a

21 Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12 1/4"	9 5/8"	32.3#	320'	301 cu ft	Surface
8 3/4"	7"	20#	2950'	887 cu ft	Surface
6 1/4"	4 1/2"	10 5#	2850-6300'	531 cu ft	Surface

22 Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

11" 2000 psi minimum double gate BOP

I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Peggy Bradfield</i> Printed name: Peggy Bradfield Title: Regulatory/Compliance Administrator Date: 1-18-99 Phone: 505-326-9700		OIL CONSERVATION DIVISION Approved by: <i>James Bush</i> Title: DEPUTY OIL CONSERVATION DIVISION DIST. 3 Approval Date: _____ Expiration Date: _____ Conditions of Approval: <input type="checkbox"/> Attached <input checked="" type="checkbox"/> HOLD 3104 FOR 156	
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1st I  
Box 1980, Hobbs, NM 88241-1980

State of New Mexico  
Energy, Minerals & Natural Resources Department

Form  
Revised February 21,  
Instructions on  
Submit to Appropriate District  
State Lease - 4  
Fee Lease - 3

District II  
PO Drawer 00, Artesia, NM 88211-0719

District III  
1000 Rio Brazos Rd., Aztec, NM 87410

District IV  
PO Box 2088, Santa Fe, NM 87504-2088

OIL CONSERVATION DIVISION  
PO Box 2088  
Santa Fe, NM 87504-2088

☐ AMENDED REF

WELL LOCATION AND ACREAGE DEDICATION PLAT

'API Number 30-039-26074	'Pool Code 72319	'Pool Name Blanco Mesaverde
'Property Code 7465	'Property Name SAN JUAN 29-7 UNIT	'Well Number 47C
'OGRID No. 14538	'Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY	'Elevation 6823'

<sup>10</sup> Surface Location

UL or lot no. A	Section 2	Township 29N	Range 7W	Lot Idn	Feet from the 345	North/South line NORTH	Feet from the 490	East/West line EAST	Count RI ARRI
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<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	Count
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'Dedicated Acres E/318.14	'Joint or Infill	'Consolidation Code	'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

<sup>15</sup>  5280.00' 5249.64' 5248.32' 5266.80' 345' 490'	<sup>17</sup> OPERATOR CERTIFICATE I hereby certify that the information contained hereon is true and complete to the best of my knowledge and belief.  Signature Peggy Bradfield Printed Name Regulatory Administrator Title 1-18-99 Date
<sup>16</sup>  5280.00' 5249.64' 5248.32' 5266.80' 345' 490'	<sup>18</sup> SURVEYOR CERTIFICATE I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys and is correct to the best of my belief.  DECEMBER 3, 1998 Date of Survey Signature and Seal of Professional Surveyor NEALE C. EDWARDS NEW MEXICO Professional Surveyor Certificate Number 6857

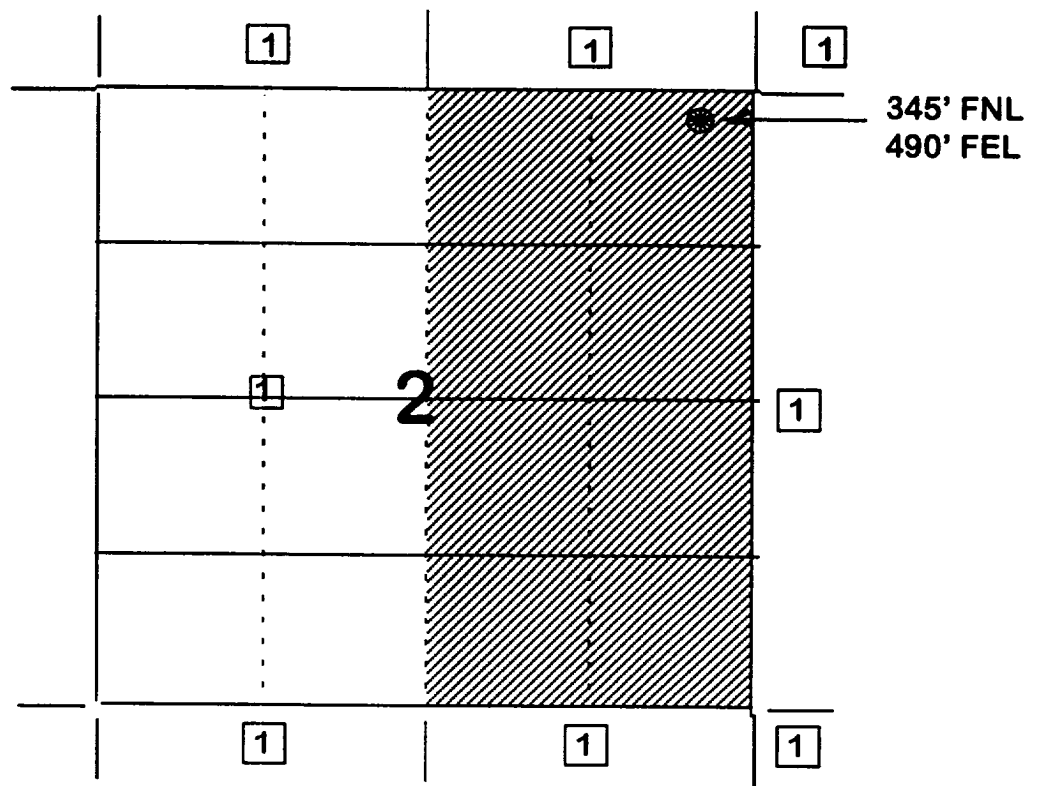
***BURLINGTON RESOURCES OIL AND GAS COMPANY***

**OFFSET OPERATOR \ OWNER PLAT  
San Juan 29-7 Unit #47C**

**Mesaverde Formation**

**Non-standard location**

**Township 29 North, Range 7 West**



1) Burlington Resources

Proposed San Juan 29-7 Unit Well Number 47C  
345' FNL & 490' FEL  
Section 2, T29N, R7W  
Rio Arriba County, New Mexico  
Blanco Mesaverde Pool  
Estimated TD 6300'

The location of the proposed test was selected to optimize recovery from the Mesaverde Group. The primary control on productivity in the Mesaverde is the density of natural fractures. Fracture orientation ranges from due north to north 30 degrees east. Gas drainage areas are elliptical in shape with the long axis parallel to the direction of fracture orientation. A drainage ellipse map of the project vicinity indicates that undeveloped gas reserves remain to be exploited in the E/2NE/4 of Section 2, T29N, R7W. The drainage ellipse map is based upon data derived from a larger study of the entire Blanco Mesaverde Pool (estimated ultimate recovery calculated for all wells in the Blanco Mesaverde Pool, original gas in place values calculated for entire Blanco Mesaverde Pool, etc.). Gross recoverable reserves of 1.718 BCFG are projected from the Mesaverde producing interval for the proposed test. Due to topographic and archeological restrictions, it is not possible to exploit the remaining gas reserves in the Mesaverde in E/2NE/4 of Section 2, T29N, R7W from a standard surface location.

# Blanco Mesaverde





345' FNL & 490' FEL, SECTION 2, T29N, R7W, N.M.P.M.  
RIO ARRIBA COUNTY, NEW MEXICO

2400' NEW STATE CONSTRUCTION  
1300' NW/NE SECTION 2, T29N, R7W  
1100' NE/NE SECTION 2, T29N, R7W.

