



# BURLINGTON RESOURCES

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SAN JUAN DIVISION

Sent Federal Express

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

Re: Hunsaker #1B  
1745'FSL, 360'FWL Section 26, T-31-N, R-9-W, San Juan County  
30-045-29847

Dear Mr. Stogner:

Burlington Resources is applying for administrative approval of an unorthodox gas well location for the Mesa Verde pool. This application for the referenced location is for geological reasons as referenced in the attached geological explanation and maps.

Production from the Mesa Verde pool is to be included in a 312.96 acre gas spacing and proration unit for the west half (W/2) in Section 26 and is to be dedicated to the Hunsaker #1 (30-045-10249) located at 990'FSL, 1650'FWL in Section 26 and the Hunsaker #1A (30-045-21765) located at 1460'FNL, 960'FWL in Section 26.

The following attachments are for your review:

- Application for Permit to Drill.
- Completed C-102 at referenced location.
- Offset operators/owners plat
- 7.5 minute topographic map
- Geologic explanation and maps

Three copies of this application are being submitted to offset operators by certified mail with a request that they furnish you with a Waiver of Objection, keep one copy for their files and return one copy to this office. We appreciate your earliest consideration of this application.

We appreciate your earliest consideration of this application.

Sincerely,



Peggy Bradfield  
Regulatory/Compliance Administrator

xc: NMOCD - Aztec District Office  
Bureau of Land Management

#### WAIVER

\_\_\_\_\_ hereby waives objection to Burlington Resources' application for a non-standard location for the Hunsaker #1B as proposed above.

By: \_\_\_\_\_ Date: \_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
BLM

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

59 FEB 21 12:33  
070 FARMINGTON, NM

1a. Type of Work DRILL	5. Lease Number SF-078506 Unit Reporting Number
1b. Type of Well GAS	6. If Indian, All. or Tribe
2. Operator <b>BURLINGTON RESOURCES</b> Oil & Gas Company	7. Unit Agreement Name
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499  (505) 326-9700	8. Farm or Lease Name Hunsaker 9. Well Number 1B
4. Location of Well 1745' FSL, 360' FWL  Latitude 36° 52.0, Longitude 107° 45.4	10. Field, Pool, Wildcat Blanco Mesaverde 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 26, T-31-N, R-9-W API # 30-045-29847
14. Distance in Miles from Nearest Town 5 miles to Navajo Dam Post Office	12. County San Juan
15. Distance from Proposed Location to Nearest Property or Lease Line 360'	13. State NM
16. Acres in Lease	17. Acres Assigned to Well 312.96
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1200'	
19. Proposed Depth 5555'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6100' GR	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"
24. Authorized by: <u>[Signature]</u> (Regulatory/Compliance Administrator)	<u>8-15-99</u> Date

PERMIT NO. \_\_\_\_\_ APPROVAL DATE APR 13 1999

APPROVED BY [Signature] TITLE Ten Lease DATE \_\_\_\_\_

Archaeological Report to be submitted  
Threatened and Endangered Species Report to be submitted  
NOTE: This format is issued in lieu of U.S. BLM Form 3160-3  
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or presentations as to any matter within its jurisdiction.

**OPERATOR**

District I  
 Box 1980, Hobbs, NM 88241-1980

State of New Mexico  
 Energy, Minerals & Natural Resources Department

Form C-10  
 Revised February 21, 1999  
 Instructions on back  
 Submit to Appropriate District Office  
 State Lease - 4 Copies  
 Fee Lease - 3 Copies

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

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

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

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

93 FEB 24 PM 12:30

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-45-		*Pool Code 72319	*Pool Name Blanco Mesaverde	
*Property Code 7147	*Property Name HUNSAKER		*Well Number 1B	
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY		*Elevation 6100'	

<sup>10</sup> Surface Location

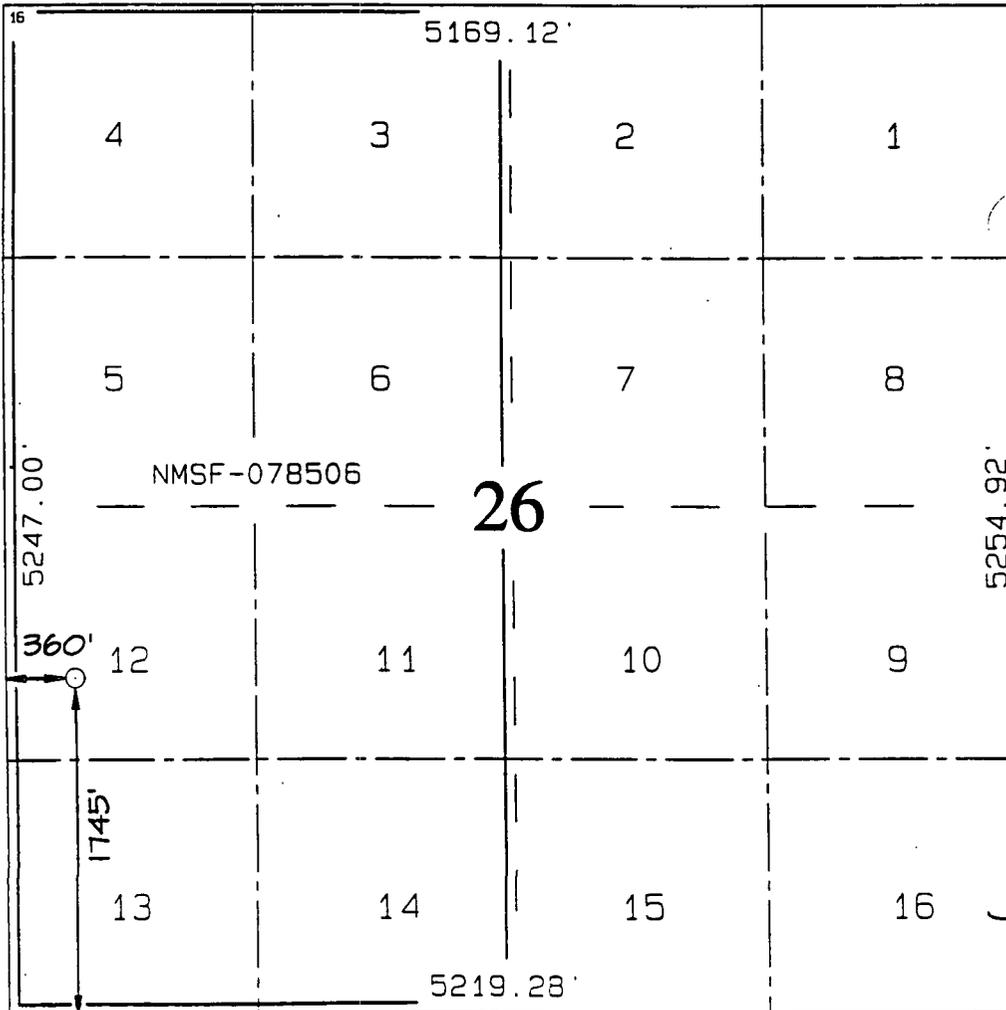
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	26	31N	9W		1745	SOUTH	360	WEST	SAN JUA

<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 W/312.96	<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



<sup>17</sup> OPERATOR CERTIFICATION

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

*Peggy Bradfield*  
 Signature  
 Peggy Bradfield  
 Printed Name  
 Regulatory Administrator  
 Title  
 Date  
 2-15-99

<sup>18</sup> SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by or under my supervision, and that the same is true and correct to the best of my belief.

JANUARY 8, 1999  
 Date of Survey  
 Signature and Seal of Registered Professional Surveyor  
  
 Certificate Number

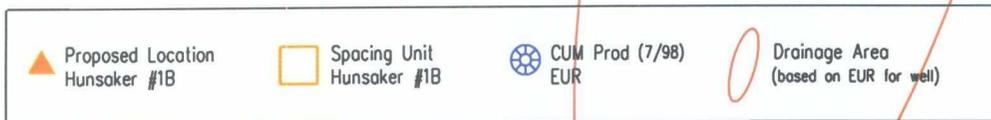
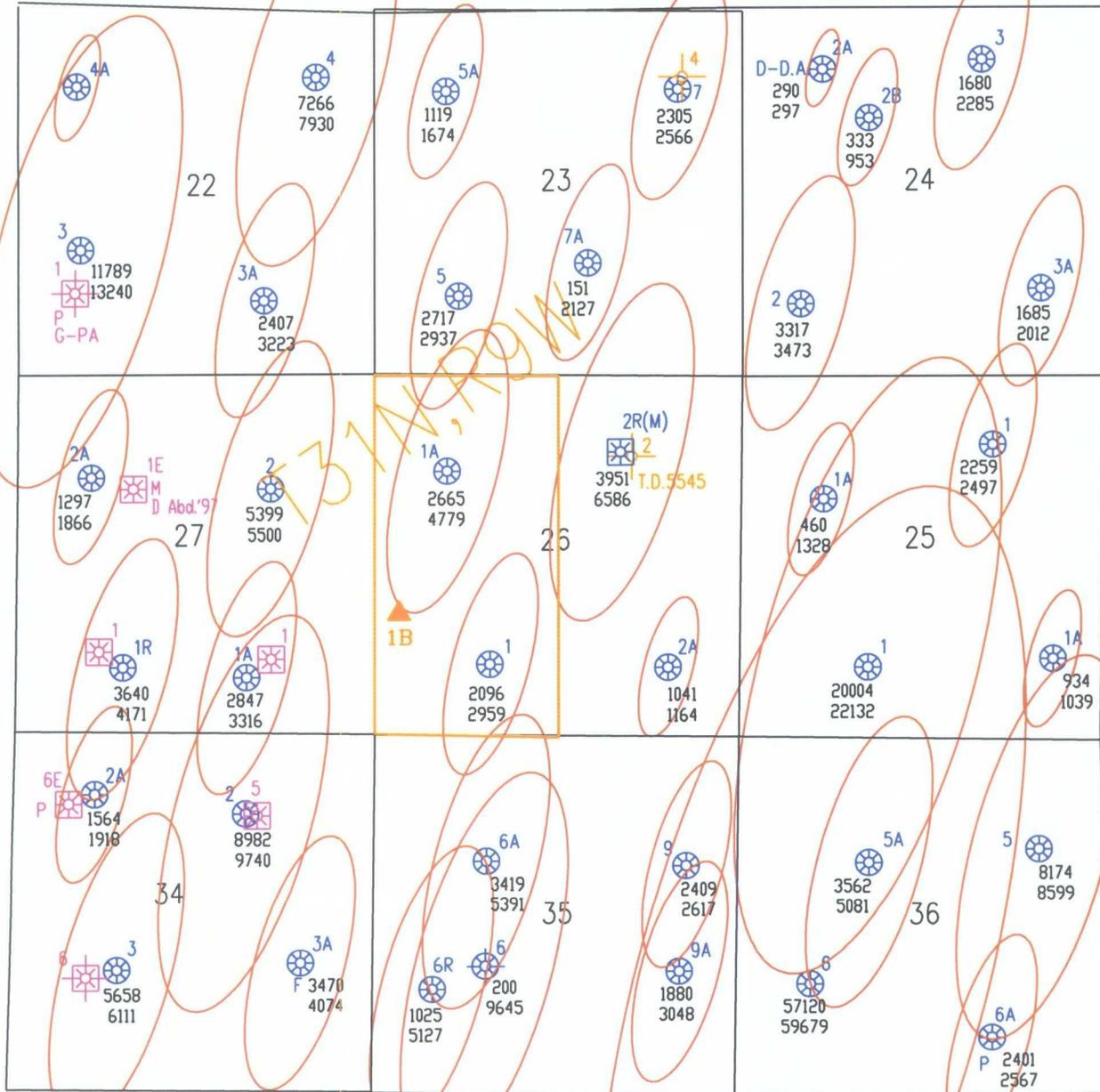
Proposed Hunsaker Well Number 1B  
1745' FSL & 360' FWL  
Section 26, T31N, R9W  
San Juan County, New Mexico  
Blanco Mesaverde Pool  
Estimated TD 5555'

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 W/2SW/4 of Section 26, T31N, R9W. 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 1.542 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 W/2SW/4 of Section 26, T31N, R9W from a standard surface location.

# Hunsaker #1B

## Blanco Mesaverde

### 31N-9W-26

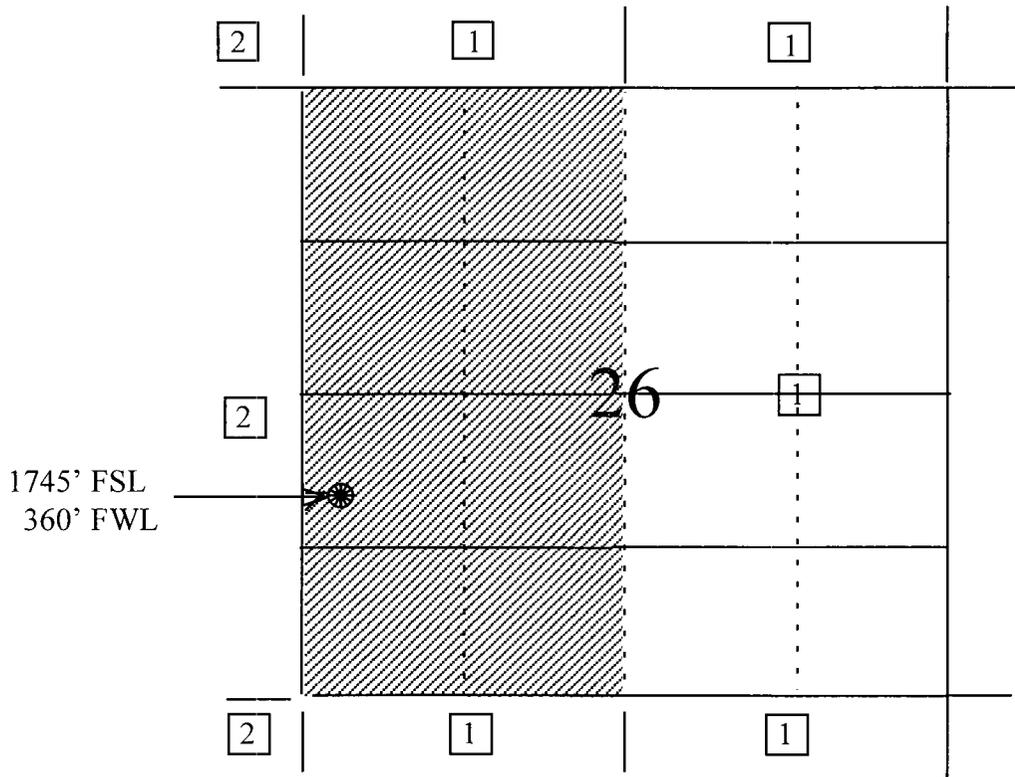


**BURLINGTON RESOURCES OIL AND GAS COMPANY**

**Hunsaker #1B  
OFFSET OPERATOR \ OWNER PLAT  
Nonstandard Location**

**Mesaverde Formation Well**

**Township 31 North, Range 9 West**



- 1) Burlington Resources
- 2) Amoco Production Company  
San Juan Operation Center  
200 Amoco Court  
Farmington, NM 87401

Re: Hunsaker #1B  
1745'FSL, 360'FWL Section 26, T-31-N, R-9-W, San Juan County  
30-045-29847

I hereby certify that the following offset operators/owners have been mailed notification of our application for non-standard location to drill the referenced well.

Amoco Production Company  
San Juan Operation Center  
200 Amoco Court  
Farmington, NM 87401



Peggy Bradfield  
Burlington Resources  
Regulatory/Compliance Administrator

CMD :  
OG5SECT

ONGARD  
INQUIRE LAND BY SECTION

05/24/99 10:27:51  
OGOMES -TPXC  
PAGE NO: 2

Sec : 26 Twp : 31N Rng : 09W Section Type : NORMAL

12 39.16  Federal owned  A	11 39.18  Federal owned	10 39.19  Federal owned	9 39.20  Federal owned
13 39.26 <u>78.42</u> Federal owned	14 39.27 <u>78.45</u> Federal owned  A A	15 39.29  Federal owned  A	16 39.30  Federal owned  A

PF01 HELP    PF02            PF03 EXIT    PF04 GoTo    PF05            PF06  
PF07 BKWD   PF08 FWD      PF09 PRINT   PF10 SDIV     PF11            PF12

784.2  
7845  
156.87  
156.09  
312.96

CMD :  
OG5SECT

ONGARD  
INQUIRE LAND BY SECTION

05/24/99 10:27:46  
OGOMES -TPXC  
PAGE NO: 1

Sec : 26 Twp : 31N Rng : 09W Section Type : NORMAL

<sup>4</sup> 38.97  Federal owned	<sup>3</sup> 38.98  Federal owned	<sup>2</sup> 38.99  Federal owned  A A	<sup>1</sup> 39.00  Federal owned
<sup>5</sup> 39.06 <u>78.03</u> Federal owned  A	<sup>6</sup> 39.08 <u>78.06</u> Federal owned	<sup>7</sup> 39.09  Federal owned	<sup>8</sup> 39.10  Federal owned

PF01 HELP    PF02    PF03 EXIT    PF04 GoTo    PF05    PF06  
PF07 BKWD    PF08 FWD    PF09 PRINT    PF10 SDIV    PF11    PF12

1  
78.03  
78.06  
156.09