

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RCVD DEC 5 '08  
OIL CONS. DIV.  
DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

|                                                                                                                                        |                                                                                                                                                                                             |
|----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1a. Type of Work<br>DRILL                                                                                                              | 5. Lease Number<br>USA SF-078425                                                                                                                                                            |
| 1b. Type of Well<br>GAS                                                                                                                | Unit Reporting Number<br>NMNM-78417BDK NMNM-78417A-MV                                                                                                                                       |
| 2. Operator<br><b>BURLINGTON</b><br>RESOURCES Oil & Gas Company, LP                                                                    | 6. If Indian, All. or Tribe                                                                                                                                                                 |
| 3. Address & Phone No. of Operator<br>PO Box 4289, Farmington, NM 87499<br>(505) 326-9700                                              | 7. Unit Agreement Name<br>San Juan 29-7 Unit                                                                                                                                                |
| 4. Location of Well<br>Unit B (NWNE), 1080' FNL & 2300' FEL,<br>Latitude 36.700996 N<br>Longitude 107.521161 W                         | 8. Farm or Lease Name                                                                                                                                                                       |
|                                                                                                                                        | 9. Well Number<br>#139M                                                                                                                                                                     |
|                                                                                                                                        | 10. Field, Pool, Wildcat<br>Basin DK/Blanco MV                                                                                                                                              |
|                                                                                                                                        | 11. Sec., Twn, Rge, Mer. (NMPM)<br>B Sec. 25, T29N, R7W<br>API # 30-039-30507                                                                                                               |
| 14. Distance in Miles from Nearest Town<br>31 miles to Blanco                                                                          | 12. County<br>Rio Arriba                                                                                                                                                                    |
| 15. Distance from Proposed Location to Nearest Property or Lease Line<br>1080'                                                         | 13. State<br>NM                                                                                                                                                                             |
| 16. Acres in Lease<br>2080.00                                                                                                          | 17. Acres Assigned to Well<br>DK & MV - 320 - (E/                                                                                                                                           |
| 18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease<br>180' from San Juan 29-7 Unit NP #143 |                                                                                                                                                                                             |
| 19. Proposed Depth<br>8102'                                                                                                            | 20. Rotary or Cable Tools<br>Rotary                                                                                                                                                         |
| 21. Elevations (DF, FT, GR, Etc.)<br>6764' GL                                                                                          | 22. Approx. Date Work will Start                                                                                                                                                            |
| 23. Proposed Casing and Cementing Program<br>See Operations Plan attached                                                              | BLM'S APPROVAL OR ACCEPTANCE OF THIS<br>ACTION DOES NOT RELIEVE THE LESSEE AND<br>OPERATOR FROM OBTAINING ANY OTHER<br>AUTHORIZATION REQUIRED FOR OPERATIONS<br>ON FEDERAL AND INDIAN LANDS |
| 24. Authorized by: <u>Sasha Spangler</u><br>Sasha Spangler (Regulatory Technician)                                                     | Date                                                                                                                                                                                        |

A COMPLETE C-144 MUST BE SUBMITTED TO AND  
APPROVED BY THE NMOCD FOR: A PIT, CLOSED  
LOOP SYSTEM, BELOW GRADE TANK, OR  
PROPOSED ALTERNATIVE METHOD, PURSUANT TO  
NMOCD PART 19.15.17, PRIOR TO THE USE OR  
CONSTRUCTION OF THE ABOVE APPLICATIONS.

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

Archaeological Report attached

Threatened and Endangered Species Report attached

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.

Example Master Plan Type 3 Bond Numbers NMB-000015 and NMB-000089

DRILLING OPERATIONS AUTHORIZED ARE  
SUBJECT TO COMPLIANCE WITH ATTACHED  
"GENERAL REQUIREMENTS".

NMOCD

DEC 17 2008

NOTIFY AZTEC OCD 24 HRS.  
PRIOR TO CASING & CEMENT

This action is subject to technical and  
procedural review pursuant to 43 CFR 3165.3  
and appeal pursuant to 43 CFR 3165.4

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

DISTRICT II  
1201 West 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, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
1220 South St. Francis  
Santa Fe, NM 87505

Form C-102  
Revised October 12, 2005

Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

MAR 31 2008

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                            |                                                              |                          |                                              |
|----------------------------|--------------------------------------------------------------|--------------------------|----------------------------------------------|
| API Number<br>30-039-30507 |                                                              | Pool Code<br>72319/71599 | Pool Name<br>Blanco Mesaverde / Basin Dakota |
| Property Code<br>7465      | Property Name<br>SAN JUAN 29-7 UNIT                          |                          | Well Number<br>139M                          |
| OGED No.<br>14538          | Operator Name<br>BURLINGTON RESOURCES OIL AND GAS COMPANY LP |                          | Elevation<br>6764'                           |

<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             | 25      | 29-N     | 7-W   |         | 1080'         | NORTH            | 2300'         | EAST           | RIO ARriba |

<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    |
|---------------------------------------------|---------|----------|-------|---------|-----------------|------------------|--------------------|----------------|-----------|
| B                                           |         |          |       |         |                 |                  |                    |                |           |
| Dedicated Acres<br>320.00 Acres E/2 (MV/DK) |         |          |       |         | Joint or Infill |                  | 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

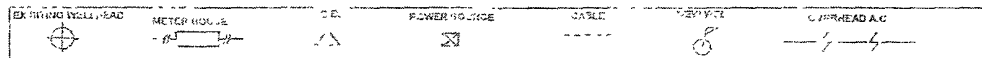
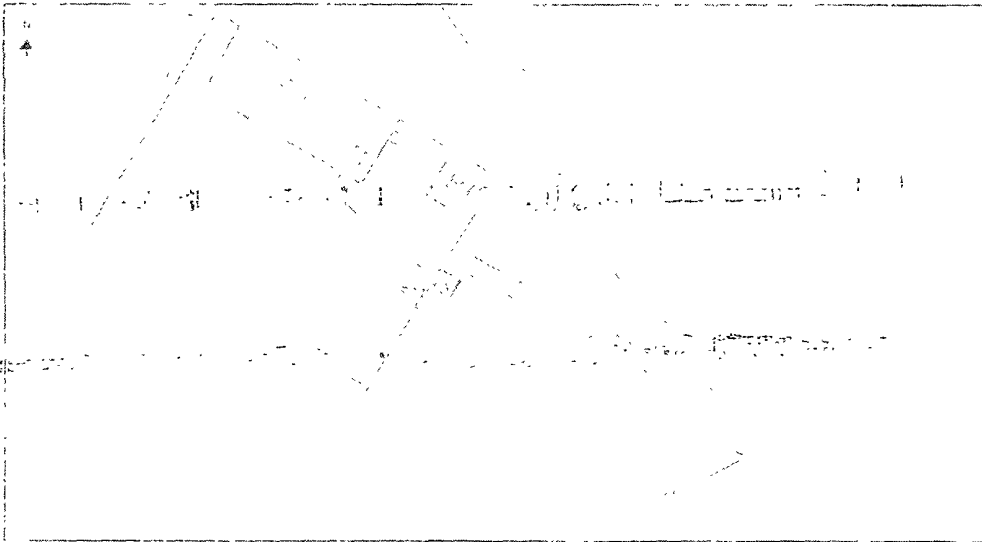
|                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>16</p> <p>LAT: 36°42'0594" N.<br/>LONG: 107°31'2333" W<br/>NAD 1927</p> <p>LAT: 36°40'086" N.<br/>LONG: 107°32'1161" W.<br/>NAD 1983</p> <p>1080'</p> <p>2300'</p> <p>25</p> <p>USA SF-078425</p> | <p>17 OPERATOR CERTIFICATION</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 undivided 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 a working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>Crystal Walker</i> 3/31/08<br/>Signature</p> <p>Crystal Walker 3-31-08<br/>Printed Name</p> <p>18 SURVEYOR CERTIFICATION</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>2-7-08<br/>Date of Survey</p> <p><i>Allen W. Russell</i><br/>Signature of Professional Surveyor</p> <p>15703<br/>Certificate Number</p> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



## CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME \_\_\_\_\_ LEGALS \_\_\_\_\_ COUNTY \_\_\_\_\_

PURPOSED C.P. SYSTTEM: to provide a means of communication between the two parties



COMMENTS:

NEAREST POWER SOURCE 200 YDS DISTANCE: 100 YDS

PIPELINES IN AREA:

TECHNICIAN: \_\_\_\_\_ DATE: \_\_\_\_\_

3 CR 5402 BLOOMFIELD, N.J. 07413  
OFFICE: 505-834-0271 CELL: 505-793-6953

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 29-7 UNIT 139M

DEVELOPMENT

|                                                                                                                                                                          |                                 |                             |                          |                   |                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-----------------------------|--------------------------|-------------------|--------------------|
| Lease:                                                                                                                                                                   |                                 | AFE #: WAN.CDR.7030         |                          | AFE \$:           |                    |
| Field Name: hBR, SAN JUAN 29-7 UNIT                                                                                                                                      |                                 | Rig: H&P Rig 282            |                          | State: NM         | County: RIO ARRIBA |
| Geologist:                                                                                                                                                               |                                 | Phone:                      |                          | Geophysicist:     |                    |
| Geoscientist: Pippin, Eddie A                                                                                                                                            |                                 | Phone: 505-326-9780         |                          | Prod. Engineer:   |                    |
| Res. Engineer: McKee, Cory J                                                                                                                                             |                                 | Phone: 505-326-9826         |                          | Proj. Field Lead: |                    |
| Primary Objective (Zones):                                                                                                                                               |                                 |                             |                          |                   |                    |
| Zone                                                                                                                                                                     | Zone Name                       |                             |                          |                   |                    |
| RON                                                                                                                                                                      | BLANCO MESAVERDE (PRORATED GAS) |                             |                          |                   |                    |
| FRR                                                                                                                                                                      | BASIN DAKOTA (PRORATED GAS)     |                             |                          |                   |                    |
| Location: Surface Datum Code: NAD.27 Straight Hole                                                                                                                       |                                 |                             |                          |                   |                    |
| Latitude: 36.700988                                                                                                                                                      | Longitude: -107.520555          | X:                          | Y:                       | Section: 25       | Range: 007W        |
| Footage X: 2300 FEL                                                                                                                                                      | Footage Y: 1080 FNL             | Elevation: 6764             | (FT)                     | Township: 029N    |                    |
| Tolerance:                                                                                                                                                               |                                 |                             |                          |                   |                    |
| Location Type: Year Round                                                                                                                                                |                                 | Start Date (Est.): 1/1/2008 |                          | Completion Date:  |                    |
| Formation Data: Assume KB = 6778                                                                                                                                         |                                 | Units = FT                  |                          |                   |                    |
| Formation Call & Casing Points                                                                                                                                           | Depth (TVD in Ft)               | SS (Ft)                     | Depletion (Yes/No)       | BHP (PSIG)        | BHT                |
| Surface Casing                                                                                                                                                           | 200                             | 6578                        | <input type="checkbox"/> |                   |                    |
| OJAM                                                                                                                                                                     | 2694                            | 4084                        | <input type="checkbox"/> |                   |                    |
| KRLD                                                                                                                                                                     | 2851                            | 3927                        | <input type="checkbox"/> |                   |                    |
| FRLD                                                                                                                                                                     | 3219                            | 3559                        | <input type="checkbox"/> |                   | Possible Gas       |
| PCCF                                                                                                                                                                     | 3605                            | 3173                        | <input type="checkbox"/> |                   |                    |
| Intermediate Casing                                                                                                                                                      | 3706                            | 3072                        | <input type="checkbox"/> |                   |                    |
| LEWS                                                                                                                                                                     | 3765                            | 3013                        | <input type="checkbox"/> |                   |                    |
| CHRA                                                                                                                                                                     | 4577                            | 2201                        | <input type="checkbox"/> |                   |                    |
| UCLFH                                                                                                                                                                    | 5152                            | 1626                        | <input type="checkbox"/> |                   | Gas                |
| MASSIVE CLIFF HOUSE                                                                                                                                                      | 5359                            | 1419                        | <input type="checkbox"/> | 585               | Gas                |
| MENF                                                                                                                                                                     | 5446                            | 1332                        | <input type="checkbox"/> |                   |                    |
| PTLK                                                                                                                                                                     | 5782                            | 996                         | <input type="checkbox"/> |                   |                    |
| MNCS                                                                                                                                                                     | 6246                            | 532                         | <input type="checkbox"/> |                   |                    |
| GLLP                                                                                                                                                                     | 7018                            | -240                        | <input type="checkbox"/> |                   |                    |
| GRHN                                                                                                                                                                     | 7749                            | -971                        | <input type="checkbox"/> |                   |                    |
| GRRS                                                                                                                                                                     | 7806                            | -1028                       | <input type="checkbox"/> |                   |                    |
| TWLS                                                                                                                                                                     | 7853                            | -1075                       | <input type="checkbox"/> | 2300              | Gas                |
| PAGU                                                                                                                                                                     | 7952                            | -1174                       | <input type="checkbox"/> |                   |                    |
| CBRO                                                                                                                                                                     | 7967                            | -1189                       | <input type="checkbox"/> |                   |                    |
| CBRL                                                                                                                                                                     | 8002                            | -1224                       | <input type="checkbox"/> |                   |                    |
| ENCINAL                                                                                                                                                                  | 8072                            | -1294                       | <input type="checkbox"/> |                   |                    |
| TOTAL DEPTH DK                                                                                                                                                           | 8102                            | -1324                       | <input type="checkbox"/> |                   |                    |
| 12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 159 cuft. Circulate cement to surface.                                                                  |                                 |                             |                          |                   |                    |
| 8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 835 cuft. Circulate cement to surface.                                                                            |                                 |                             |                          |                   |                    |
| TD 30' below T/ENCL 6-1/4" Hole. 4-1/2", 10.6/11.6 ppf, J-55 STC/LTC casing. Cement with 598 cuft. Circulate cement a minimum of 100' inside the previous casing string. |                                 |                             |                          |                   |                    |

| Reference Wells: |              |              |
|------------------|--------------|--------------|
| Reference Type   | Well Name    | Comments     |
| Production       | SJ 29-7 #139 | SE 25-29N-7W |

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 29-7 UNIT 139M

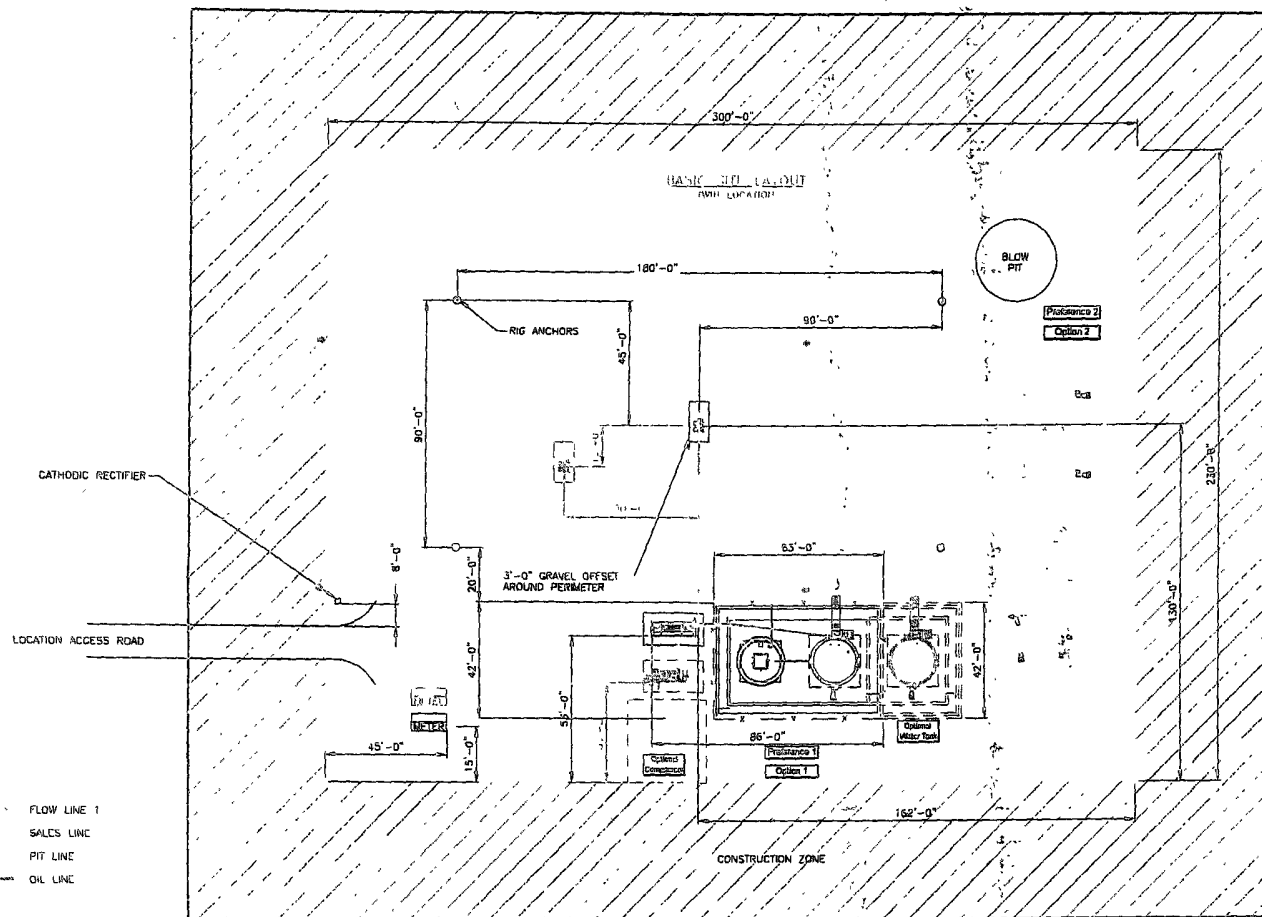
DEVELOPMENT

|                         |                                                                                                                 |
|-------------------------|-----------------------------------------------------------------------------------------------------------------|
| <b>Logging Program:</b> |                                                                                                                 |
| Intermediate Logs:      | <input type="checkbox"/> Log only if show <input type="checkbox"/> GR/ILD <input type="checkbox"/> Triple Combo |

|          |                                                                                                                                                                                                                                         |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TD Logs: | <input type="checkbox"/> Triple Combo <input type="checkbox"/> Dipmeter <input type="checkbox"/> RFT <input type="checkbox"/> Sonic <input type="checkbox"/> VSP <input type="checkbox"/> TDT <input checked="" type="checkbox"/> Other |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

GR\_CBL, Mudlogger 100' above GRHN to TD

| Additional Information: |       |           |         |                |         |
|-------------------------|-------|-----------|---------|----------------|---------|
| Log Type                | Stage | From (Ft) | To (Ft) | Tool Type/Name | Remarks |



SEE SHEET 2 & 3 FOR PIPING DETAILS  
ALL UNDERGROUND PIPING IS TO BE GRADED A MIN. OF 3'-0" TOP

SHEET 1 OF 5

|                    |  |  |  |  |  |  |  |  |  |                    |  |                |  |                                                                          |  |             |  |
|--------------------|--|--|--|--|--|--|--|--|--|--------------------|--|----------------|--|--------------------------------------------------------------------------|--|-------------|--|
| ENGINEERING REVIEW |  |  |  |  |  |  |  |  |  | REFERENCE DRAWINGS |  | CONOCOPhillips |  | CONOCOPhillips<br>HIGH PRESSURE 3 PHASE<br>FACILITY DIAGRAM- SITE LAYOUT |  |             |  |
| DISCIPLINE         |  |  |  |  |  |  |  |  |  | REVIEWED           |  | DATE           |  | REL                                                                      |  | DESCRIPTION |  |
| PROCESS            |  |  |  |  |  |  |  |  |  | MECHANICAL         |  | ELECTRICAL     |  | PIPELINE                                                                 |  | DESIGN      |  |
| CONSTRUCTION       |  |  |  |  |  |  |  |  |  | CLIENT FILE        |  | CLIENT APPR    |  | APPR. DATE                                                               |  | SCALE: NONE |  |
| DESCRIPTION        |  |  |  |  |  |  |  |  |  | DATE               |  | BY             |  | CHECKED                                                                  |  | PROJECT     |  |
| DATE               |  |  |  |  |  |  |  |  |  | BY                 |  | CHECKED        |  | PROJECT                                                                  |  | CLIENT FILE |  |
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HPSPHASE-REV1

Directions from the Post Office  
in Blanco, NM  
to

Burlington Resources Oil & Gas Company LP

SAN JUAN 29-7 UNIT 139M

1080' FNL & 2300' FEL,

Section 25, T29N, R7W, N.M.P.M., Rio Arriba County,  
New Mexico

From the Post Office in Blanco, NM  
Take Highway 64 East for 22.8 miles

To 29-6 water well road,  
Turn right (southerly) for 1.9 miles,  
Turn right (southwesterly) for 1.3 miles,  
To the top of Snake Hill  
Turn right (westerly) 2.8 miles along Ridge Road,  
Turn right (northerly) for 1.3 miles,  
Turn left (westerly) 0.5 miles,  
Continue (northerly) 0.8 miles,  
To beginning of new access on left side of road  
Which continues 350' to the newly staked location.