

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

JAN 20 2009

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK  
Bureau of Land Management  
Farmington Field Office

|                                                                                                                              |                                                                                                                                             |                 |
|------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 1a. Type of Work<br>DRILL                                                                                                    | 5. Lease Number<br>USA SF-077085<br>Unit Reporting Number                                                                                   |                 |
| 1b. Type of Well<br>GAS                                                                                                      | 6. If Indian, All. or Tribe                                                                                                                 |                 |
| 2. Operator<br><b>BURLINGTON</b><br>RESOURCES Oil & Gas Company, LP                                                          | 7. Unit Agreement Name<br>OIL CONS. DIV.<br>DIST. 3                                                                                         |                 |
| 3. Address & Phone No. of Operator<br>PO Box 4289, Farmington, NM 87499<br><br>(505) 326-9700                                | 8. Farm or Lease Name<br>Omler<br>9. Well Number<br>5S                                                                                      |                 |
| 4. Location of Well<br>Surf: Unit A(NENE), 880' FNL & 995' FEL<br><br>Surf: Latitude: 36.638028 N<br>Longitude: 107.841384 W | 10. Field, Pool, Wildcat<br>Basin Fruitland Coal<br><br>11. Sec., Twn, Rge, Mer. (NMPM)<br>A Sec. 25, T28N, R10W<br><br>API # 30-045- 34896 |                 |
| 14. Distance in Miles from Nearest Town<br>15 mile/Bloomfield                                                                | 12. County<br>San Juan                                                                                                                      | 13. State<br>NM |
| 15. Distance from Proposed Location to Nearest Property or Lease Line<br>880'                                                |                                                                                                                                             |                 |
| 16. Acres in Lease<br>2,240.00                                                                                               | 17. Acres Assigned to Well<br>Basin FC 320.00 (E/2)                                                                                         |                 |
| 18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease<br>864' from Omler            | 19. Proposed Depth<br>2273'                                                                                                                 |                 |
| 21. Elevations (DF, FT, GR, Etc.)<br>5953' GL                                                                                | 22. Approx. Date Work will Start                                                                                                            |                 |
| 23. Proposed Casing and Cementing Program<br>See Operations Plan attached                                                    | DRILLING OPERATIONS AUTHORIZED ARE<br>SUBJECT TO COMPLIANCE WITH ATTACHED<br>"GENERAL REQUIREMENTS".                                        |                 |
| 24. Authorized by: <i>James Gardenhire</i><br>James Gardenhire (Regulatory Technician)                                       | 1-15-09<br>Date                                                                                                                             |                 |

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
APPROVED BY *[Signature]* TITLE *AFM* DATE *2/4/09*

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 2 Bond Numbers NMB-000015 and NMB-000089

NMOCD FEB 12 2009  
*[Signature]*

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

DISTRICT II  
1301 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 Dr.  
Santa Fe, NM 87505

Form C-102  
Revised October 12, 2005  
**RECEIVED**  
Submit to Appropriate District Office  
JAN 20 2006  
State Lease - 4 Copies  
Fee Lease - 3 Copies

Bureau of Land Management  
Farmington Field Office  
**AMENDED REPORT**

### WELL LOCATION AND ACREAGE DEDICATION PLAT

|                             |                                                             |                     |                                    |
|-----------------------------|-------------------------------------------------------------|---------------------|------------------------------------|
| *API Number<br>30-045-34896 |                                                             | *Pool Code<br>71629 | *Pool Name<br>BASIN FRUITLAND COAL |
| *Property Code<br>7373      | *Property Name<br>OMLER                                     |                     | *Well Number<br>5S                 |
| *OGRD No.<br>14538          | *Operator Name<br>BURLINGTON RESOURCES OIL & GAS COMPANY LP |                     | *Elevation<br>5953'                |

#### <sup>10</sup> Surface Location

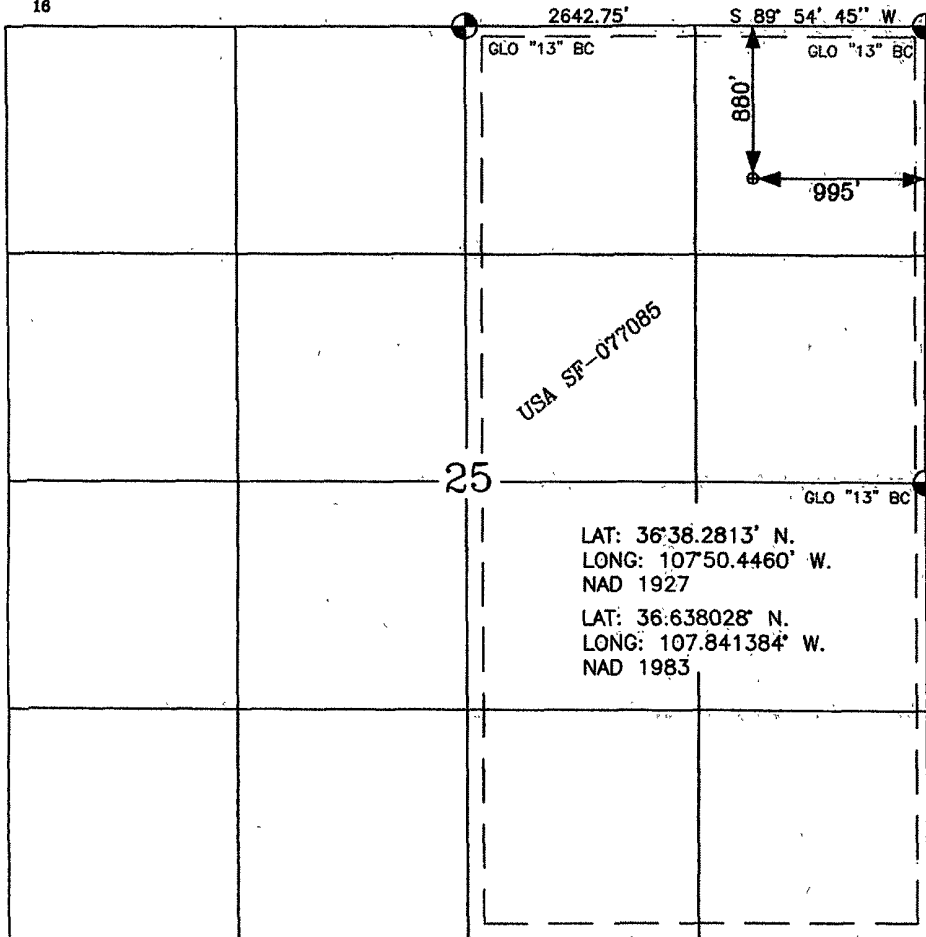
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County   |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|----------|
| A             | 25      | 28-N     | 10-W  |         | 880'          | NORTH            | 995'          | 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 |
|-----------------------------------------------------|---------|----------|-------------------------------|---------|----------------------------------|------------------|-------------------------|----------------|--------|
| A                                                   |         |          |                               |         |                                  |                  |                         |                |        |
| <sup>12</sup> Dedicated Acres<br>FC 320.0 ACRES E/2 |         |          | <sup>13</sup> Joint or Infill |         | <sup>14</sup> Consolidation Code |                  | <sup>15</sup> 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

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#### 17 OPERATOR CERTIFICATION

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 a working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

*Crystal Tgafoya 7/14/08*  
Signature  
Crystal Tgafoya 7-14-08  
Printed Name

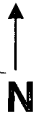
#### 18 SURVEYOR CERTIFICATION

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.

6-17-08  
Date of Survey  
Signature of Licensed Professional Surveyor  
*Glen W. Russell*  
Certificate Number 15703



|                  |                    |
|------------------|--------------------|
| <b>WELL NAME</b> | <b>OMLER # 5 S</b> |
|------------------|--------------------|



REPLACE OLD EXISTING 240 V METER POLE

INSTALL RECTIFIER SYSTEM

sandy loam

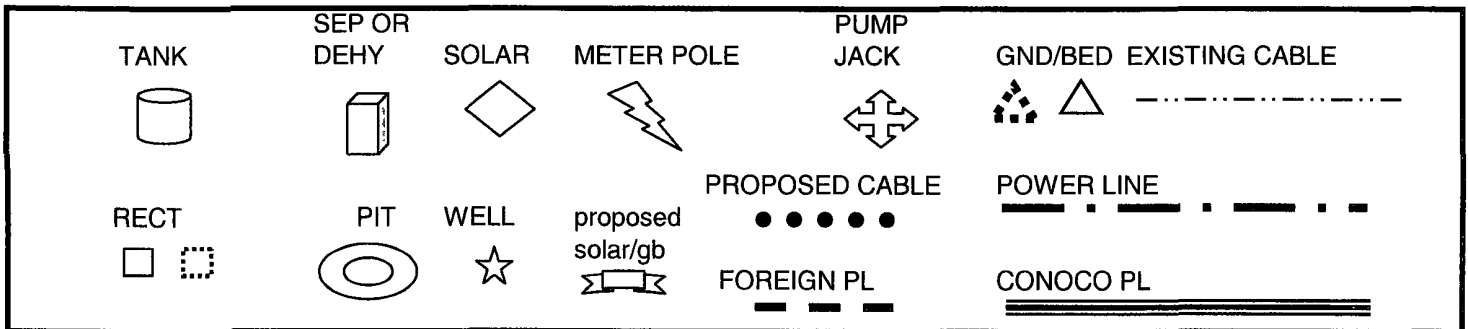
P & A  
MARKER

1 PHASE CITY OF FMN PRIMARY

150'

# 5 S

ENTERPRISE  
PIPELINE



# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

OMLER 5S

DEVELOPMENT

|                               |  |                        |  |                    |                  |
|-------------------------------|--|------------------------|--|--------------------|------------------|
| Lease:                        |  | AFE #: WAN.CDR.8149    |  | AFE \$: 226,374.49 |                  |
| Field Name: hBR SAN JUAN      |  | Rig: Aztec Rig 580     |  | State: NM          | County: SAN JUAN |
| Geologist:                    |  | Phone:                 |  | Geophysicist:      |                  |
| Geoscientist: Clark, Dave D   |  | Phone: +1 505-326-9762 |  | Prod. Engineer:    |                  |
| Res. Engineer: Akwari, Bill N |  | Phone: +1 505-599-4076 |  | Proj. Field Lead:  |                  |
|                               |  |                        |  | Phone:             |                  |

## Primary Objective (Zones):

| Zone | Zone Name                  |
|------|----------------------------|
| JCV  | BASIN FRUITLAND COAL (GAS) |

## Location: Datum Code: NAD 27

|                     |                        |                 |      |                |             |
|---------------------|------------------------|-----------------|------|----------------|-------------|
| Latitude: 36.638021 | Longitude: -107.840767 | X:              | Y:   | Section: 25    | Range: 010W |
| Footage X: 995 FEL  | Footage Y: 880 FNL     | Elevation: 5953 | (FT) | Township: 028N |             |

Tolerance:

Location Type: Year Round Start Date (Est.): 1/1/2009 Completion Date: Date In Operation:

Formation Data: Assume KB = 5964 Units = FT

| Formation Call & Casing Points | Depth (TVD in Ft) | SS (Ft) | Depletion (Yes/No)       | BHP (PSIG) | BHT | Remarks                                                                                            |
|--------------------------------|-------------------|---------|--------------------------|------------|-----|----------------------------------------------------------------------------------------------------|
| Surface Casing                 | 120               | 5844    | <input type="checkbox"/> |            |     | 8-3/4 hole. 7" 20 ppf, J-55 STC csg. Cement with 131 cuft. Circulate cement to surface.            |
| OJO ALAMO                      | 1023              | 4941    | <input type="checkbox"/> |            |     |                                                                                                    |
| KIRTLAND                       | 1152              | 4812    | <input type="checkbox"/> |            |     |                                                                                                    |
| FRUITLAND                      | 1656              | 4308    | <input type="checkbox"/> | 300        |     | Gas                                                                                                |
| PICTURED CLIFFS                | 2073              | 3891    | <input type="checkbox"/> |            |     | Gas                                                                                                |
| Total Depth                    | 2273              | 3691    | <input type="checkbox"/> |            |     | 6-1/4" hole. 4-1/2" 10.5 ppf, J-55, STC casing. Cement with 822 cuft. Circulate cement to surface. |

## Reference Wells:

| Reference Type | Well Name | Comments |
|----------------|-----------|----------|
|----------------|-----------|----------|

## Logging Program:

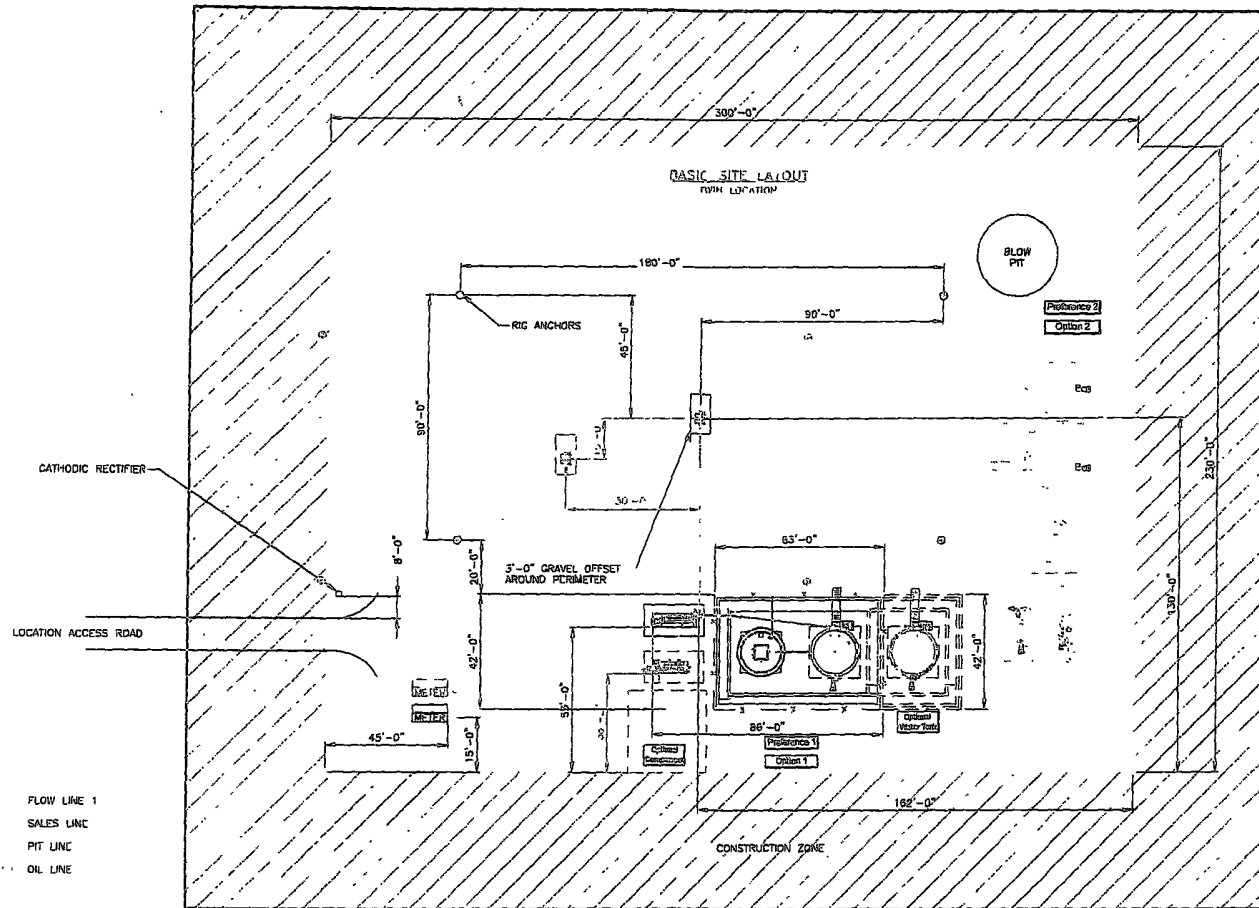
Intermediate Logs: ☐ Log only if show ☐ GR/ILD ☐ Triple Combo

TD Logs: ☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other

GR\_CBL

## Additional Information:

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



SEE SHEET 3 & 4 FOR PIPING DETAILS  
ALL UNDERGROUND PIPE IS TO BE BURIED A MIN. OF 3'-0" TOP

SHEET 1 OF 5

| ENGINEERING REVIEW     |      |    |       |      |       |      |       |      |       | REFERENCE DRAWINGS |             | CONOCO PHILLIPS |              | HIGH PRESSURE 3 PHASE |            | FACILITY DIAGRAM- SITE LAYOUT |                 |
|------------------------|------|----|-------|------|-------|------|-------|------|-------|--------------------|-------------|-----------------|--------------|-----------------------|------------|-------------------------------|-----------------|
| DESCRIPTION            | DATE | BY | CHK'D | DATE | CHK'D | DATE | CHK'D | DATE | CHK'D | NO.                | DESCRIPTION | CLIENT FILE #   | CLIENT APPR. | APPR. DATE            | SCALE HERE | CHECKING DATE                 | CHECKING FILE # |
| PROCESS                |      |    |       |      |       |      |       |      |       |                    |             |                 |              |                       |            |                               |                 |
| MECHANICAL             |      |    |       |      |       |      |       |      |       |                    |             |                 |              |                       |            |                               |                 |
| PIPING                 |      |    |       |      |       |      |       |      |       |                    |             |                 |              |                       |            |                               |                 |
| ELECTRICAL             |      |    |       |      |       |      |       |      |       |                    |             |                 |              |                       |            |                               |                 |
| I & C                  |      |    |       |      |       |      |       |      |       |                    |             |                 |              |                       |            |                               |                 |
| CIVIL/STRUCTURAL       |      |    |       |      |       |      |       |      |       |                    |             |                 |              |                       |            |                               |                 |
| PROJECT                |      |    |       |      |       |      |       |      |       |                    |             |                 |              |                       |            |                               |                 |
| SAN JUAN BUSINESS UNIT |      |    |       |      |       |      |       |      |       |                    |             | HP3PHASE-REV1   |              |                       |            |                               |                 |

\\nrcs01.spsrll.com\Andres\Guastatoya\San Juan Location Site Layout.dwg, 06/28/2007 - 08:09pm

Directions from the Intersection of  
Hwy 550 and Hwy64,  
in Bloomfield, NM  
to  
Burlington Resources Oil & Gas Company LP  
OMLER 5S  
880' FNL & 995' FEL,  
Section 25, T28N, R10W, N.M.P.M., San Juan County,  
New Mexico  
Latitude: 36° 38' 16.90" N  
Longitude: 107° 50' 28.98" W  
Nad 83

Go south on Hwy 550 for 1.0 miles to CR 4990,  
turn left (easterly) on CR 4990 (Sullivan Road) 8.5 miles,  
turn right (southerly) 1.7 miles,  
turn right (southwesterly) 3.1 miles,  
turn left (southeasterly) 0.2 miles,  
turn right @ y-intersec (southeasterly) 0.2 miles,  
turn left (northeasterly) 0.4 miles,  
continue (southeasterly) 1.5 miles,  
to the newly staked location twinned with the  
existing P&A , Omler A14.