

DISTRICT I  
1825 N. French Dr., Hobbs, N.M. 88240

State of New Mexico  
Energy, Minerals & Natural Resources Department

Form C-102  
Revised October 12, 2005

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

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

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

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

☐ AMENDED REPORT

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

"AS DRILLED PLAT"  
WELL LOCATION AND ACREAGE DEDICATION PLAT

|                                                |                                                                                    |                                                   |
|------------------------------------------------|------------------------------------------------------------------------------------|---------------------------------------------------|
| <sup>1</sup> API Number<br><b>30-045-34969</b> | <sup>2</sup> Pool Code<br><b>72319</b>                                             | <sup>3</sup> Pool Name<br><b>BLANCO MESAVERDE</b> |
| <sup>4</sup> Property Code<br><b>7427</b>      | <sup>5</sup> Property Name<br><b>RIDDLE B</b>                                      | <sup>6</sup> Well Number<br><b>10 M</b>           |
| <sup>7</sup> GRID No.<br><b>14538</b>          | <sup>8</sup> Operator Name<br><b>BURLINGTON RESOURCES OIL &amp; GAS COMPANY LP</b> | <sup>9</sup> Elevation<br><b>6101'</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   |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|----------|
| H             | 27      | 30N      | 10W   | 8       | 2228'         | NORTH            | 670'          | 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   |
|--------------------------------------------------------------|---------|----------|-------------------------------|---------|----------------------------------|------------------|---------------------------------------------------------------------|----------------|----------|
| H                                                            | 27      | 30N      | 10W                           | 8       | 2218'                            | NORTH            | 688'                                                                | EAST           | SAN JUAN |
| <sup>12</sup> Dedicated Acres<br><b>318.22 Acres - (E/2)</b> |         |          | <sup>13</sup> Joint or Infill |         | <sup>14</sup> Consolidation Code |                  | <sup>15</sup> Order No.<br><b>RCVD MAR 8 '10<br/>OIL CONS. DIV.</b> |                |          |

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 **DIST. 3**

18

5/9/10

N 89°48'37" W 2619.57' (M)  
N 89°45' W 2624.16' (R)  
FND 3/4 BC BLM 1967  
2  
7  
8  
10  
9  
15  
16  
SURFACE  
LAT. 36.78428° N (NAD83)  
LONG. 107.86515° W (NAD83)  
LAT. 36°47.05652' N (NAD27)  
LONG. 107°51.87185' W (NAD27)  
BOTTOMHOLE  
2218'  
2228'  
688'  
670'  
5274.83' (M)  
5274.08' (R)  
N 0°14'54" E  
N 0°15' E  
LEASE # USA SF-078200-B  
FND 3/4 BC BLM 1967

**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 or a compulsory pooling order heretofore entered by the division.

*Crystal Tafuya* 3/4/10  
Signature Date

**Crystal Tafuya** 3/4/2010  
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.

AUGUST 22, 2008  
Date of Survey

Signature and Seal of Professional Surveyor:  
*David R. Russell*

DAVID R. RUSSELL  
NEW MEXICO  
REGISTERED PROFESSIONAL SURVEYOR  
10201

DAVID RUSSELL  
Certificate Number 10201



## COP Deviation Report

## RIDDLE B #10M

|                                                          |                                 |                         |                         |                              |
|----------------------------------------------------------|---------------------------------|-------------------------|-------------------------|------------------------------|
| Operator<br>BURLINGTON RESOURCES OIL &<br>GAS COMPANY LP | Legal WellName<br>RIDDLE B #10M | API / UWI<br>3004534969 | County<br>SAN JUAN      | State/Province<br>NEW MEXICO |
| Surface Legal Location<br>027-030N-010W-H                | N/S Dist (ft)<br>2,228.00       | N/S Ref<br>FNL          | E/W Dist (ft)<br>670.00 | E/W Ref<br>FEL               |

| Survey Data |           |          |            |  | Survey Company      |
|-------------|-----------|----------|------------|--|---------------------|
| Date        | MD (ftKB) | Incl (°) | Method     |  |                     |
| 6/29/2009   | 129.00    | 1.25     | A1SureShot |  | Mo-Te Drilling Inc. |
| 6/29/2009   | 232.00    | 1.50     | A1SureShot |  | Mo-Te Drilling Inc. |
| 7/10/2009   | 500.00    | 1.00     | Incl       |  | AWS                 |
| 7/10/2009   | 1,000.00  | 1.75     | Incl       |  | AWS                 |
| 7/11/2009   | 1,250.00  | 1.50     | Incl       |  | AWS                 |
| 7/11/2009   | 1,700.00  | 0.75     | Incl       |  | AWS                 |
| 7/11/2009   | 2,261.00  | 1.00     | Incl       |  | AWS                 |
| 7/12/2009   | 2,750.00  | 0.75     | Incl       |  | AWS                 |
| 7/12/2009   | 3,239.00  | 0.75     | Incl       |  | AWS                 |
| 7/12/2009   | 3,750.00  | 0.75     | Incl       |  | AWS                 |
| 7/13/2009   | 4,288.00  | 1.25     | Incl       |  | AWS                 |
| 8/2/2009    | 4,557.00  | 3.48     | MWD        |  | Scientific Drilling |
| 7/14/2009   | 4,588.00  | 0.75     | Incl       |  | AWS                 |
| 8/2/2009    | 4,588.00  | 3.87     | MWD        |  | Scientific Drilling |
| 7/29/2009   | 4,619.00  | 0.44     | MWD        |  | Scientific Drilling |
| 8/2/2009    | 4,619.00  | 4.60     | MWD        |  | Scientific Drilling |
| 7/29/2009   | 4,651.00  | 0.38     | MWD        |  | Scientific Drilling |
| 8/2/2009    | 4,652.00  | 4.20     | MWD        |  | Scientific Drilling |
| 7/29/2009   | 4,682.00  | 0.48     | MWD        |  | Scientific Drilling |
| 8/2/2009    | 4,683.00  | 4.62     | MWD        |  | Scientific Drilling |
| 7/29/2009   | 4,714.00  | 0.63     | MWD        |  | Scientific Drilling |
| 8/2/2009    | 4,714.00  | 4.68     | MWD        |  | Scientific Drilling |
| 7/29/2009   | 4,730.00  | 0.66     | MWD        |  | Scientific Drilling |
| 8/2/2009    | 4,746.00  | 4.65     | MWD        |  | Scientific Drilling |
| 8/2/2009    | 4,808.00  | 4.65     | MWD        |  | Scientific Drilling |
| 8/10/2009   | 7,077.00  | 2.00     | FINAL BHS  |  | PHOENIX             |

RCVD MAR 8 '10

OIL CONS. DIV.

DIST. 3

I, the undersigned, certify that I acting in my capacity as Drilling Engineer for ConocoPhillips Company, am authorized by said Company to make this report; and that said report was prepared under my supervision and directions, and that the facts stated herein are true to the best of my knowledge and belief.

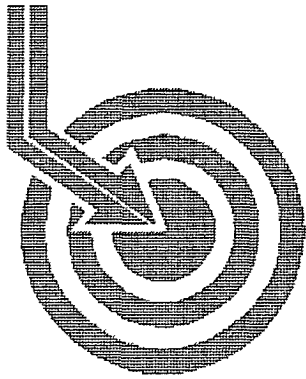
Tom Dahnke

Subscribed and sworn to me this March 1, 2010

Crystal L. Tapia

Notary Public in and for San Juan County, New Mexico

My Commission expires 10/12/2010



# Scientific Drilling

RCVD MAR 8 '10

OIL CONS. DIV.

DIST. 3

## BURLINGTON RESOURCES

Field: Riddle

Site: Rio Arriba County, NM

Well: Riddle B #10M

Wellpath: DH - Job #33D0709130

Survey: 07/26/09-08/02/09

This survey is correct to the best of my knowledge  
and is supported by actual field data.

.....Richardson.....Company Representative

Notorized this date 24 of August, 2009.

Carrie Reed  
Notary Signature  
County of Midland  
State of Texas





Scientific  
Drilling

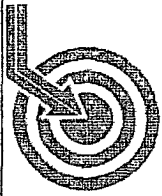
# Scientific Drilling International Survey Report

Company: BURLINGTON RESOURCES Date: 08/12/2009 Time: 10:24:19 Page: 1  
Field: Riddle Co-ordinate(NE) Reference: Site: Rio Arriba County, NM, True North  
Site: Rio Arriba County, NM Vertical (TVD) Reference: SITE 0.0  
Well: Riddle B #10M Section (VS) Reference: Well (0.00N,0.00E,225.00Azi)  
Wellpath: DH - Job #33D0709130 Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 07/26/09-08/02/09 Start Date: 07/26/2009  
E-field 4392'-4746'  
Company: Scientific Drilling International Engineer: Richey/Drake/Rogers/Lockard/Ra  
Tool: E-field;E-field Tied-to: User Defined

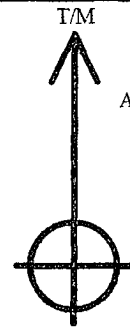
## Survey

| MD<br>ft | Incl<br>deg | Azim<br>deg | TVD<br>ft | VS<br>ft | N/S<br>ft | E/W<br>ft | DLS<br>deg/100ft | ClsD<br>ft | ClsA<br>deg |
|----------|-------------|-------------|-----------|----------|-----------|-----------|------------------|------------|-------------|
| 4392.00  | 1.02        | 202.47      | 4392.00   | 0.00     | 0.00      | 0.00      | 0.00             | 0.00       | 0.00        |
| 4557.00  | 3.48        | 245.54      | 4556.87   | 6.05     | -3.43     | -5.12     | 1.71             | 6.16       | 236.17      |
| 4588.00  | 3.87        | 238.67      | 4587.80   | 7.94     | -4.36     | -6.87     | 1.90             | 8.14       | 237.57      |
| 4619.00  | 4.60        | 238.91      | 4618.72   | 10.17    | -5.55     | -8.83     | 2.36             | 10.43      | 237.84      |
| 4652.00  | 4.20        | 243.25      | 4651.62   | 12.60    | -6.78     | -11.04    | 1.58             | 12.96      | 238.45      |
| 4683.00  | 4.62        | 242.09      | 4682.53   | 14.87    | -7.87     | -13.16    | 1.38             | 15.33      | 239.11      |
| 4714.00  | 4.68        | 244.79      | 4713.43   | 17.25    | -9.00     | -15.41    | 0.73             | 17.84      | 239.72      |
| 4746.00  | 4.65        | 243.21      | 4745.32   | 19.72    | -10.14    | -17.74    | 0.41             | 20.44      | 240.26      |



Scientific  
Drilling

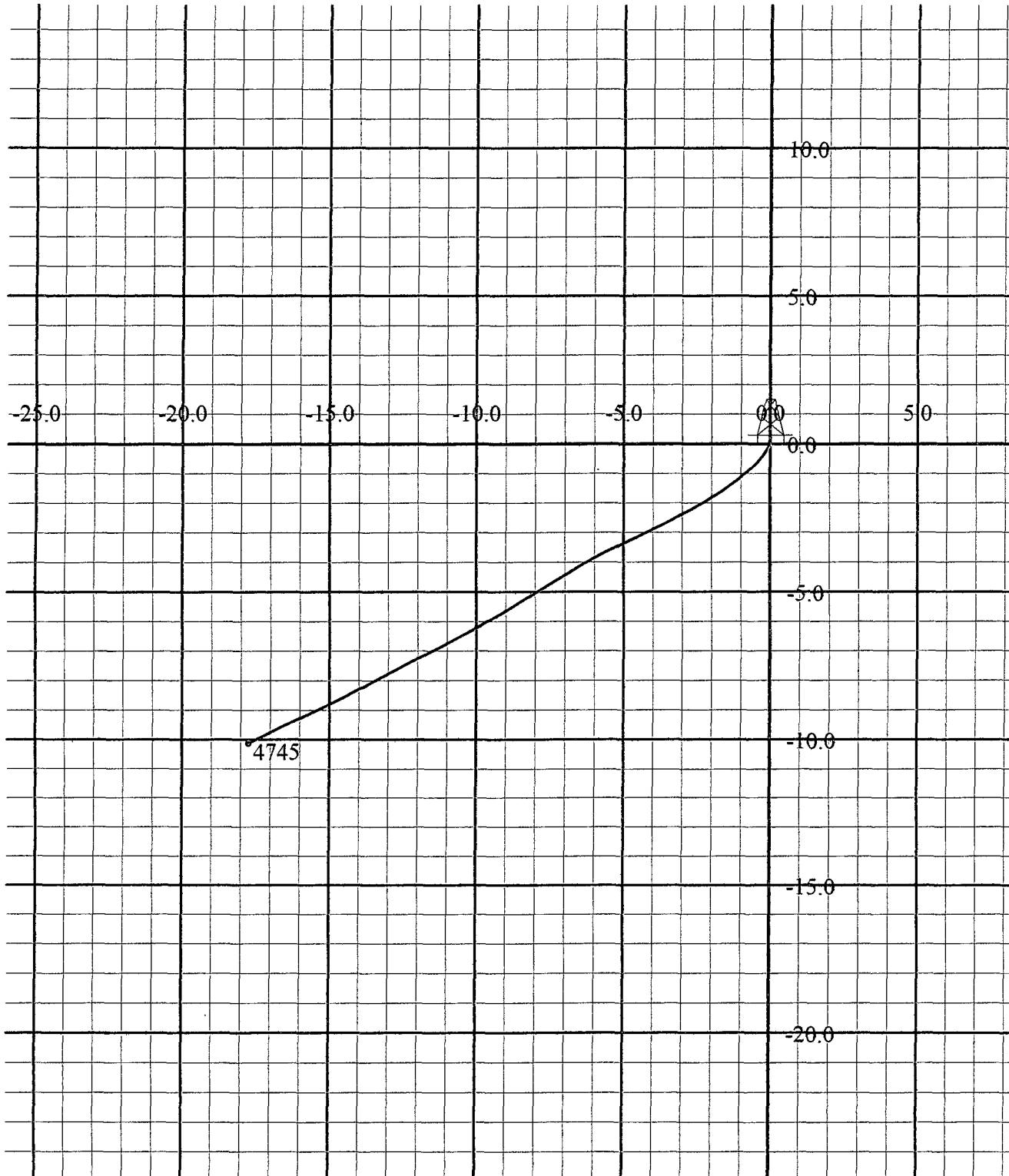
Field: Riddle  
Site: Rio Arriba County, NM  
Well: Riddle B #10M  
Wellpath: DH - Job #33D0709130  
Survey: 07/26/09-08/02/09



Azimuths to True North  
Magnetic North: 0.00°

Magnetic Field  
Strength: 0nT  
Dip Angle: 0.00°  
Date: 08/12/2009  
Model: igrf2000

West(-)/East(+) [5ft/in]



South(-)/North(+) [5ft/in]