

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

FEB 17 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>NM-02151-B<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><b>NMN-78420A-MV</b><br>San Juan 30-6 Unit                                                                                                             |                 |
| 3. Address & Phone No. of Operator<br>PO Box 4289, Farmington, NM 87499<br><br>(505) 326-9700                                                                                                                                     | 8. Farm or Lease Name<br><br>9. Well Number<br>92M                                                                                                                               |                 |
| 4. Location of Well<br>Surf: Unit G (SWNE), 2313' FNL & 1500' FEL<br>BHL: Unit B (NWNE), 1200' FNL & 2300' FEL<br><br>Surf: Latitude: 36.77006 N<br>Longitude: 107.57243 W<br>BHL: Latitude: 36.77312 N<br>Longitude: 107.57516 W | 10. Field, Pool, Wildcat<br>Basin DK / Blanco MV<br><br>11. Sec., Twn, Rge, Mer. (NMPM)<br>Surf: Sec. 33, T30N, R7W<br>BHL: Sec. 33, T30N, R7W<br><br>API # 30-039- <b>30686</b> |                 |
| 14. Distance in Miles from Nearest Town<br>20 mile/Blanco                                                                                                                                                                         | 12. County<br>Rio Arriba                                                                                                                                                         | 13. State<br>NM |
| 15. Distance from Proposed Location to Nearest Property or Lease Line<br>1500'                                                                                                                                                    | 17. Acres Assigned to Well<br>DK/MV 320.00 (E/2)                                                                                                                                 |                 |
| 16. Acres in Lease<br>640.00                                                                                                                                                                                                      |                                                                                                                                                                                  |                 |
| 18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease<br>170' from San Juan 30-6 Unit 141 (PC)                                                                                           |                                                                                                                                                                                  |                 |
| 19. Proposed Depth<br>7711' <small>This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4</small>                                                               | 20. Rotary or Cable Tools<br>Rotary                                                                                                                                              |                 |
| 21. Elevations (DF, FT, GR, Etc.)<br>6307' GL                                                                                                                                                                                     | 22. Approx. Date Work will Start<br><br><small>DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".</small>                            |                 |
| 23. Proposed Casing and Cementing Program<br>See Operations Plan attached                                                                                                                                                         |                                                                                                                                                                                  |                 |
| 24. Authorized by: <u>James Gardenhire</u><br>James Gardenhire (Regulatory Technician)                                                                                                                                            | Date <u>2-16-09</u>                                                                                                                                                              |                 |

PERMIT NO. \_\_\_\_\_

APPROVAL DATE \_\_\_\_\_

APPROVED BY Wayne Townsend TITLE Acting AFM DATE 3/17/09

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 3

Bond Numbers NMB-000015 and NMB-000089

MAR 09 2009

NMOCD

Hold C104  
for Directional Survey  
and "As Drilled" plat

NOTIFY AZTEC OCD 24 HRS.  
PRIOR TO CASING & CEMENT

# RECEIVED

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

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

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

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

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

☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

|                              |                                                             |                           |                                             |
|------------------------------|-------------------------------------------------------------|---------------------------|---------------------------------------------|
| *API Number<br>30-039-306986 |                                                             | *Pool Code<br>71599/72319 | *Pool Name<br>BASIN DAKOTA/BLANCO MESAVERDE |
| *Property Code<br>7469       | *Property Name<br>SAN JUAN 30-6 UNIT                        |                           | *Well Number<br>92 M                        |
| *OGRID No.<br>14538          | *Operator Name<br>BURLINGTON RESOURCES OIL & GAS COMPANY LP |                           | *Elevation<br>6307'                         |

### 10 Surface Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County     |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|------------|
| G             | 33      | 30N      | 7W    |         | 2313'         | NORTH            | 1500'         | EAST           | RIO ARRIBA |

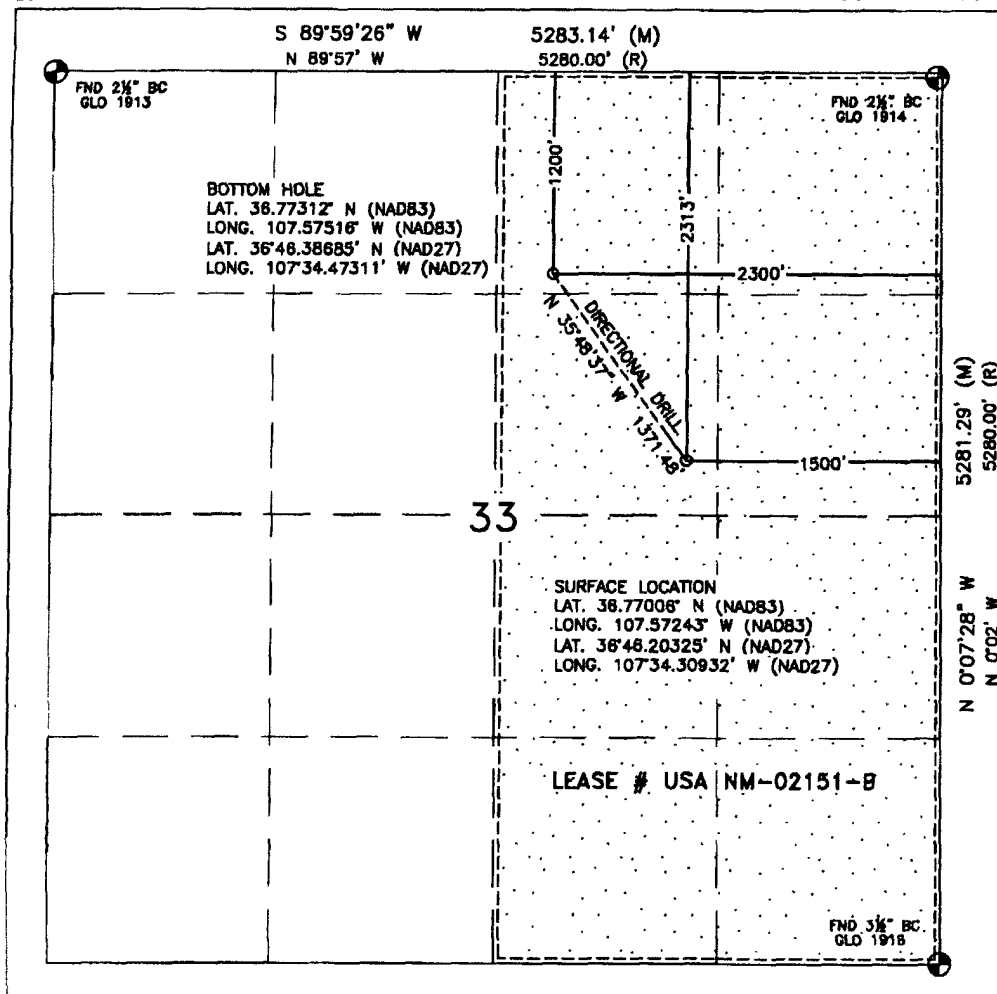
### 11 Bottom Hole Location If Different From Surface

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County     |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|------------|
| B             | 33      | 30N      | 7W    |         | 1200'         | NORTH            | 2300'         | EAST           | RIO ARRIBA |

|                                         |                  |                     |            |
|-----------------------------------------|------------------|---------------------|------------|
| *Dedicated Acres<br>320.0 Acres - (E/2) | *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

18



### 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 Tafoya* 8/20/08  
Signature Date

Crystal Tafoya 8-20-08

Printed Name

### 18 SURVEYOR CERTIFICATION

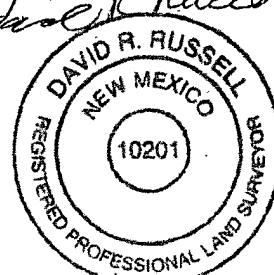
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

JULY 21, 2008

Date of Survey

Signature and Seal of Professional Surveyor:

*David R. Russell*



DAVID RUSSELL

Certificate Number

10201

**COMPANY**  
**Charge Code**  
**WELL NAME**  
**DUAL WELL**  
**TRIPLE WELL**

|                        |                       |           |
|------------------------|-----------------------|-----------|
| BURLINGTON RESOURCES   |                       |           |
| WAN.RFE.PD08.T9        |                       |           |
| SAN JUAN 30 - 6 # 92 M | DATE                  | 7/17/2008 |
| WELL NAME              | SAN JUAN 30 - 6 # 111 |           |
| WELL NAME              |                       |           |

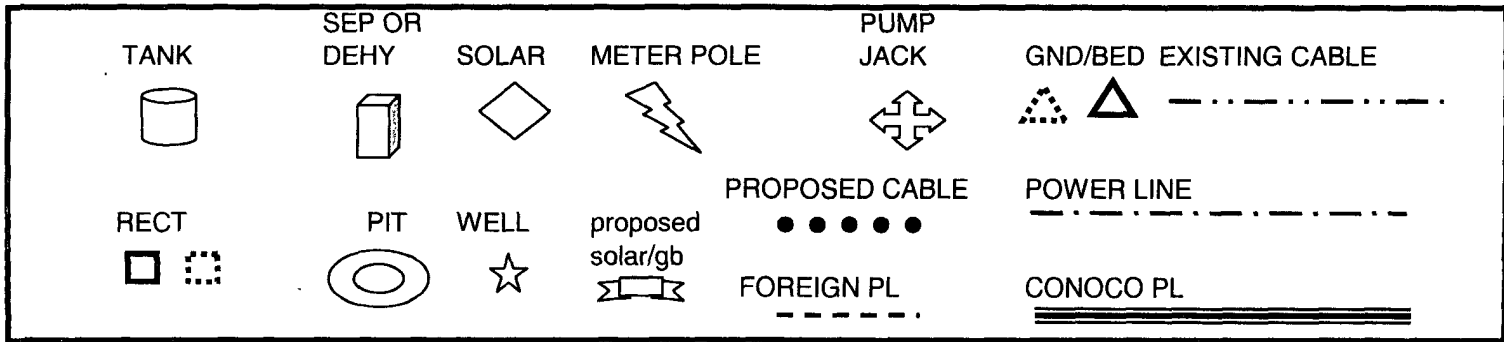
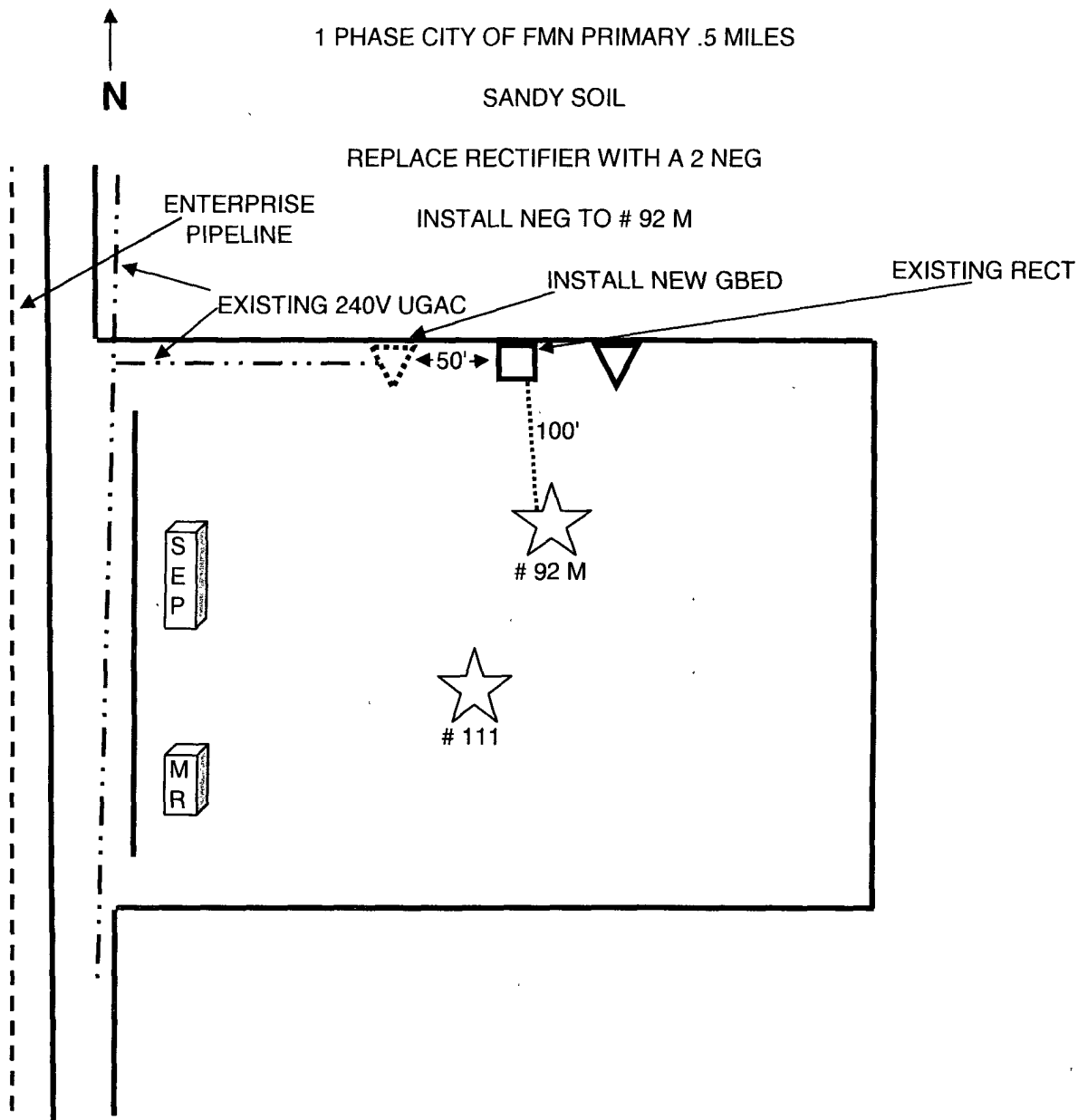
|             |      |       |       |            |             |
|-------------|------|-------|-------|------------|-------------|
| COORDINATES | SEC  | TNSHP | RANGE | LATITUDE   | LONGITUDE   |
|             | G 33 | 30 N  | 7 W   | 36.76987 N | 107.57247 W |

|        |            |
|--------|------------|
| COUNTY | RIO ARRIBA |
|--------|------------|

|                          | SIZE  | NEEDED | EXISTING | 1 PHASE  | 3 PHASE |
|--------------------------|-------|--------|----------|----------|---------|
| <u>RECTIFIER</u>         | 40/16 | X      | X        |          |         |
| <u>SOLAR</u>             |       |        |          |          |         |
| <u>GROUND BED</u>        |       | X      | X        |          |         |
| <u>240 V METER POLE</u>  |       |        |          |          |         |
| <u>480 V METER POLE</u>  |       |        |          |          |         |
| <u>D C CABLES</u>        | # 8   | 150'   |          |          |         |
| <u>A C CABLES</u>        |       |        |          |          |         |
| <u>PRIMARY POWER</u>     |       |        |          | FMN      |         |
| <u>DISTANCE TO POWER</u> |       |        |          | .5 MILES |         |
| <u>UNDERGROUND</u>       |       |        | X        |          |         |
| <u>PUMPJACK</u>          |       |        |          |          |         |
| <u>WATER PUMP</u>        |       |        |          |          |         |

|          |                                      |
|----------|--------------------------------------|
| COMMENTS | 1 PHASE CITY OF FMN PRIMARY .5 MILES |
|          | INSTALL NEW GBED                     |
|          | REPLACE RECTIFIER WITH A 40'/16 RECT |
|          | INSTALL NEGATIVE TO # 92 M           |
|          | SANDY SOIL                           |

|                  |                               |
|------------------|-------------------------------|
| <b>WELL NAME</b> | <b>SAN JUAN 30 - 6 # 92 M</b> |
|------------------|-------------------------------|



# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-6 UNIT 92M

DEVELOPMENT

|                                          |                                 |                             |                          |                   |                                                                                                |
|------------------------------------------|---------------------------------|-----------------------------|--------------------------|-------------------|------------------------------------------------------------------------------------------------|
| Lease:                                   |                                 | AFE #: WAN.CDR.8282         |                          | AFE \$:           |                                                                                                |
| Field Name: hBR_SAN JUAN                 |                                 | Rig: H&P Rig 282            |                          | State: NM         | County: RIO ARRIBA                                                                             |
| Geologist:                               |                                 | Phone:                      |                          | Geophysicist:     |                                                                                                |
| Geoscientist: Johnson, David             |                                 | Phone: +1 505-324-6169      |                          | Prod. Engineer:   |                                                                                                |
| Res. Engineer: Prabowo, Wahyu            |                                 | Phone: +1-505-326-9797      |                          | Proj. Field Lead: |                                                                                                |
| Primary Objective (Zones):               |                                 |                             |                          |                   |                                                                                                |
| Zone                                     | Zone Name                       |                             |                          |                   |                                                                                                |
| FRR                                      | BASIN DAKOTA (PRORATED GAS)     |                             |                          |                   |                                                                                                |
| RON                                      | BLANCO MESAVERDE (PRORATED GAS) |                             |                          |                   |                                                                                                |
| Location: Surface Datum Code: NAD 27     |                                 |                             |                          |                   |                                                                                                |
| Latitude: 36.770054                      | Longitude: -107.571822          | X:                          | Y:                       | Section: 33       | Range: 007W                                                                                    |
| Footage X: 1500 FEL                      | Footage Y: 2313 FNL             | Elevation: 6307             | (FT)                     | Township: 030N    |                                                                                                |
| Tolerance:                               |                                 |                             |                          |                   |                                                                                                |
| Location: Bottom Hole Datum Code: NAD 27 |                                 |                             |                          |                   |                                                                                                |
| Latitude: 36.773114                      | Longitude: -107.574552          | X:                          | Y:                       | Section: 33       | Range: 007W                                                                                    |
| Footage X: 2300 FEL                      | Footage Y: 1200 FNL             | Elevation:                  | (FT)                     | Township: 030N    |                                                                                                |
| Tolerance:                               |                                 |                             |                          |                   |                                                                                                |
| Location Type: Year Round                |                                 | Start Date (Est.): 1/1/2010 |                          | Completion Date:  |                                                                                                |
| Formation Data: Assume KB = 6324         |                                 | Units = FT                  |                          |                   |                                                                                                |
| Formation Call & Casing Points           | Depth (TVD in Ft)               | SS (Ft)                     | Depletion (Yes/No)       | BHP (PSIG)        | BHT                                                                                            |
| Surface Casing                           | 200                             | 6124                        | <input type="checkbox"/> |                   |                                                                                                |
| OJO ALAMO                                | 2243                            | 4081                        | <input type="checkbox"/> |                   |                                                                                                |
| KIRTLAND                                 | 2339                            | 3985                        | <input type="checkbox"/> |                   |                                                                                                |
| FRUITLAND                                | 2723                            | 3601                        | <input type="checkbox"/> |                   | Possible Gas                                                                                   |
| PICTURED CLIFFS                          | 3186                            | 3138                        | <input type="checkbox"/> |                   |                                                                                                |
| LEWIS                                    | 3300                            | 3024                        | <input type="checkbox"/> |                   |                                                                                                |
| HUERFANITO BENTONITE                     | 3900                            | 2424                        | <input type="checkbox"/> |                   |                                                                                                |
| CHACRA                                   | 4192                            | 2132                        | <input type="checkbox"/> |                   | Est. Top Perf - 4191 (2132)                                                                    |
| Intermediate Casing                      | 4450                            | 1874                        | <input type="checkbox"/> |                   | 8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 1061 cuft. Circulate cement to surface. |
| UPPER CLIFF HOUSE                        | 4881                            | 1443                        | <input type="checkbox"/> |                   | Gas                                                                                            |
| MASSIVE CLIFF HOUSE                      | 4930                            | 1394                        | <input type="checkbox"/> | 374               | Gas                                                                                            |
| MENEFEE                                  | 5031                            | 1293                        | <input type="checkbox"/> |                   |                                                                                                |
| POINT LOOKOUT                            | 5353                            | 971                         | <input type="checkbox"/> |                   |                                                                                                |
| MANCOS                                   | 5746                            | 578                         | <input type="checkbox"/> |                   |                                                                                                |
| UPPER GALLUP                             | 6546                            | -222                        | <input type="checkbox"/> |                   |                                                                                                |
| GREENHORN                                | 7381                            | -1057                       | <input type="checkbox"/> |                   |                                                                                                |
| GRANEROS                                 | 7430                            | -1106                       | <input type="checkbox"/> |                   |                                                                                                |
| TWO WELLS                                | 7501                            | -1177                       | <input type="checkbox"/> | 3300              | Gas                                                                                            |
| PAGUATE                                  | 7578                            | -1254                       | <input type="checkbox"/> |                   |                                                                                                |
| UPPER CUBERO                             | 7586                            | -1262                       | <input type="checkbox"/> |                   |                                                                                                |
| LOWER CUBERO                             | 7616                            | -1292                       | <input type="checkbox"/> |                   | Est. Btm Perf - 7695 (-1372) based on offset wells                                             |
| ENCINAL                                  | 7634                            | -1310                       | <input type="checkbox"/> |                   |                                                                                                |

# ConocoPhillips or its affiliates

## Planning Report

|                  |                                   |                                     |                                                |
|------------------|-----------------------------------|-------------------------------------|------------------------------------------------|
| <b>Database:</b> | EDM Central Planning              | <b>Local Co-ordinate Reference:</b> | Well SJ 30-6 #92M                              |
| <b>Company:</b>  | ConocoPhillips SJB                | <b>TVD Reference:</b>               | Generic KB 15' @ 6324.0ft (Original Well Elev) |
| <b>Project:</b>  | San Juan Basin - New Mexico Wells | <b>MD Reference:</b>                | Generic KB 15' @ 6324.0ft (Original Well Elev) |
| <b>Site:</b>     | San Juan 30 Wells                 | <b>North Reference:</b>             | True                                           |
| <b>Well:</b>     | SJ 30-6 #92M                      | <b>Survey Calculation Method:</b>   | Minimum Curvature                              |
| <b>Wellbore:</b> | Principal Wellbore                |                                     |                                                |
| <b>Design:</b>   | Plan #1                           |                                     |                                                |

| Formations          |                     |                    |           |         |                   |  |
|---------------------|---------------------|--------------------|-----------|---------|-------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Name               | Lithology | Dip (°) | Dip Direction (°) |  |
| 2,347.9             | 2,243.0             | Ojo                |           | 0.00    |                   |  |
| 2,452.6             | 2,339.0             | Kirtland           |           | 0.00    |                   |  |
| 2,871.2             | 2,723.0             | Fruitland          |           | 0.00    |                   |  |
| 3,376.0             | 3,186.0             | Pictured Cliffs    |           | 0.00    |                   |  |
| 3,500.2             | 3,300.0             | Lewis              |           | 0.00    |                   |  |
| 4,149.2             | 3,900.0             | Huerfano Bentonite |           | 0.00    |                   |  |
| 4,448.3             | 4,192.0             | Chacra             |           | 0.00    |                   |  |
| 5,138.1             | 4,881.0             | Upper Cliffhouse   |           | 0.00    |                   |  |
| 5,187.1             | 4,930.0             | Mass Cliffhouse    |           | 0.00    |                   |  |
| 5,288.1             | 5,031.0             | Menefee            |           | 0.00    |                   |  |
| 5,610.1             | 5,353.0             | Point Lookout      |           | 0.00    |                   |  |
| 6,003.1             | 5,746.0             | Mancos             |           | 0.00    |                   |  |
| 6,803.1             | 6,546.0             | Upper Gallup       |           | 0.00    |                   |  |
| 7,638.1             | 7,381.0             | Greenhorn          |           | 0.00    |                   |  |
| 7,687.1             | 7,430.0             | Graneros           |           | 0.00    |                   |  |
| 7,758.1             | 7,501.0             | Two Wells          |           | 0.00    |                   |  |
| 7,835.1             | 7,578.0             | Paguate            |           | 0.00    |                   |  |
| 7,843.1             | 7,586.0             | Upper cubero       |           | 0.00    |                   |  |
| 7,873.1             | 7,616.0             | Lower Cubero       |           | 0.00    |                   |  |
| 7,891.1             | 7,634.0             | Encinal            |           | 0.00    |                   |  |



ALL INFORMATION CONTAINED HEREIN IS TO BE RELEASED A MAX OF 3-0-78

[illegible]

**BURLINGTON RESOURCES OIL & GAS COMPANY LP**

SAN JUAN 30-6 UNIT #92 M  
2313' FNL & 1500' FEL  
LOCATED IN THE SW/4 NE/4 OF SECTION 33,  
T30N, R7W, N.M.P.M.,  
RIO ARriba COUNTY, NEW MEXICO

**DIRECTIONS**

- 1) FROM HWY 64 & HWY 539 IN NAVAJO CITY, NM., GO NORTHERLY ON HWY 539 FOR 2.15 MILES.
- 2) CROSS WASH & TURN RIGHT & GO 2.1 MILES.
- 3) TURN RIGHT & GO 1.65 MILES.
- 4) TURN LEFT & GO 0.55 MILES.
- 5) TURN RIGHT TO EXISTING LOCATION, WHERE IT IS TWINNED.

WELL FLAG LOCATED AT LAT. 36.77006°N, LONG. 107.57243°W (NAD 83).

