

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

FEB 11 2011

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Farmington Field Office  
Bureau of Land Management

|                                                                                                                                                                                                                                                                               |                                                                                                                                                         |                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 1a. Type of Work<br>DRILL                                                                                                                                                                                                                                                     | 5. Lease Number<br>USA SF-077107-A<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>NMNM-73521-MV NMNM-73915-DK</b>                                                                                            |                 |
| 3. Address & Phone No. of Operator<br>PO Box 4289, Farmington, NM 87499<br><br>(505) 326-9700                                                                                                                                                                                 | 8. Farm or Lease Name<br>Blanco Wash Federal<br>9. Well Number <b>RCVD APR 13'11</b><br>3M<br><b>OIL CONS. DIV.</b>                                     |                 |
| 4. Location of Well<br>Surface: Unit F (SENW), 1723' ENL & 1547' FWL<br>Bottomhole: Unit K (NESW), 2305' FSL & 1890' FWL<br><br>Surface: Latitude: 36.635494° N (NAD83)<br>Longitude: 107.779743° W<br>Bottomhole: Latitude: 36.632103° N (NAD83)<br>Longitude: 107.778554° W | 10. Field, Pool, Wildcat <b>DIST. 3</b><br>Basin DK/Blanco MV<br>11. Sec., Twn, Rge, Mer. (NMPM)<br>Sec. 27, T28N, R9W<br><br>API# 30-045- <b>35250</b> |                 |
| 14. Distance in Miles from Nearest Town<br>19.1 Miles from Blanco, NM                                                                                                                                                                                                         | 12. County<br>San Juan                                                                                                                                  | 13. State<br>NM |
| 15. Distance from Proposed Location to Nearest Property or Lease Line<br>1547'                                                                                                                                                                                                |                                                                                                                                                         |                 |
| 16. Acres in Lease<br>1,222.970                                                                                                                                                                                                                                               | 17. Acres Assigned to Well<br>320 Acres (W/2)                                                                                                           |                 |
| 18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease<br>52.2' from Hancock 5A (MV)                                                                                                                                                  |                                                                                                                                                         |                 |
| 19. Proposed Depth<br>7581'                                                                                                                                                                                                                                                   | 20. Rotary or Cable Tools<br>Rotary                                                                                                                     |                 |
| 21. Elevations (DF, FT, GR, Etc.)<br>6840' GL                                                                                                                                                                                                                                 | 22. Approx. Date Work will Start                                                                                                                        |                 |
| 23. Proposed Casing and Cementing Program<br>See Operations Plan attached                                                                                                                                                                                                     |                                                                                                                                                         |                 |
| 24. Authorized by: <u>Brandie Blakley</u><br>Brandie Blakley (Staff Regulatory Technician)                                                                                                                                                                                    | <u>2-10-11</u><br>Date                                                                                                                                  |                 |

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
APPROVED BY [Signature] TITLE AFM DATE 4/11/11

Archaeological Report attached \_\_\_\_\_ A gas recovery unit may or may not be used on this location.  
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 any statement 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

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

APR 20 2011

NMOCD

DRILLING OPERATIONS AUTHORIZED ARE  
SUBJECT TO COMPLIANCE WITH ATTACHED

BLM'S APPROVAL OR ACCEPTANCE OF THIS  
ACTION DOES NOT RELIEVE THE LESSEE AND  
OPERATOR FROM OBTAINING ANY OTHER  
AUTHORIZATION REQUIRED FOR OPERATIONS  
ON FEDERAL AND INDIAN LANDS

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.

Hold C104

for Directional Survey

## District I

1625 N. French Dr., Hobbs, NM 88240

## District II

1301 W. Grand Avenue, Artesia, NM 88210

## District III

1000 Rio Brazos Rd., Aztec, NM 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 July 16, 2010

Submit one copy to appropriate  
District Office

FEB 11 2011

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT  
Farmington Field Office  
Bureau of Land Management

|                                         |                                                                         |                                  |
|-----------------------------------------|-------------------------------------------------------------------------|----------------------------------|
| <sup>1</sup> API Number<br>30-045-35250 | <sup>2</sup> Pool Code<br>71599/72319                                   | <sup>3</sup> Pool Name<br>Blanco |
| <sup>4</sup> Property Code<br>36058     | <sup>5</sup> Property Name<br>BLANCO WASH FEDERAL                       | <sup>6</sup> Well Number<br>3M   |
| <sup>7</sup> OGRID No.<br>14538         | <sup>8</sup> Operator Name<br>BURLINGTON RESOURCES OIL & GAS COMPANY LP | <sup>9</sup> Elevation<br>6840   |

<sup>10</sup> SURFACE LOCATION

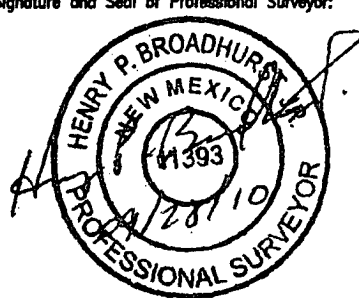
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County   |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|----------|
| F             | 27      | 28-N     | 9-W   |         | 1723          | NORTH            | 1547          | WEST           | 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   |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|----------|
| K             | 27      | 28-N     | 9-W   |         | 2305          | SOUTH            | 1890          | WEST           | SAN JUAN |

|                                            |                               |                                  |                         |
|--------------------------------------------|-------------------------------|----------------------------------|-------------------------|
| <sup>12</sup> Dedicated Acres<br>320.0 W/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

|                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <sup>16</sup> GLO 1916<br>N 89°47'10" E<br>N 89°57' W<br>2639.3' (M)<br>2640.0' (R)<br>1723'<br>1547'<br>N 0°15'49" W<br>N 0°02' W<br>GLO 1916<br>1890'<br>2825.7' (M)<br>2840.0' (R)<br>2305'<br>N 0°31'26" W<br>N 0°02' W<br>USA<br>SF-077111<br>GLO 1916<br>WEST<br>S 89°44'31" W<br>2840.0' (R)<br>2639.2' (M)<br>GLO 1916 | GLO 1916<br>WELL FLAG<br>NAD 83<br>LAT: 36.635494° N<br>LONG: 107.779743° W<br>NAD 27<br>LAT: 36°38.129188' N<br>LONG: 107°46.747660' W<br>USA<br>SF-077107-A<br>SECTION 27,<br>T-28-N, R-9-W<br>BOTTOM HOLE<br>NAD 83<br>LAT: 36.632103° N<br>LONG: 107.778554° W<br>NAD 27<br>LAT: 36°37.925753' N<br>LONG: 107°46.676312' W<br>BASIS OF BEARING IS THE NEW MEXICO STATE<br>PLANE COORDINATE SYSTEM, WEST ZONE, NAD83<br>AS DETERMINED BY GPS OBSERVATION AND<br>NGS/OPUS SOLUTION. | <sup>17</sup> OPERATOR CERTIFICATION<br>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 working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.<br>Brandie Blakley 10/17/10<br>Signature Date<br>Brandie Blakley<br>Printed Name<br>blaklbn@conocophillips.com<br>E-mail Address<br><br><sup>18</sup> SURVEYOR CERTIFICATION<br>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.<br>Date of Survey: 09/17/2010<br>Signature and Seal of Professional Surveyor:<br><br>Certificate Number: NM 11393 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

BLANCO WASH FEDERAL 3M

DEVELOPMENT

|                                                                            |                        |                             |                   |                          |                                                                                                         |
|----------------------------------------------------------------------------|------------------------|-----------------------------|-------------------|--------------------------|---------------------------------------------------------------------------------------------------------|
| Lease:                                                                     |                        | AFE #: WAN.CDR.0097         |                   | AFE \$: 970,305.52       |                                                                                                         |
| Field Name: SAN JUAN                                                       |                        | Rig: Aztec Rig 673          |                   | State: NM                | County: SAN JUAN                                                                                        |
| Geologist:                                                                 |                        | Phone:                      | Geophysicist:     |                          | Phone:                                                                                                  |
| Geoscientist:                                                              |                        | Phone:                      | Prod. Engineer:   |                          | Phone:                                                                                                  |
| Res. Engineer:                                                             |                        | Phone:                      | Proj. Field Lead: |                          | Phone:                                                                                                  |
| <b>Primary Objective (Zones):</b>                                          |                        |                             |                   |                          |                                                                                                         |
| Zone                                                                       | Zone Name              |                             |                   |                          |                                                                                                         |
| R20076                                                                     | DAKOTA(R20076)         |                             |                   |                          |                                                                                                         |
| R20002                                                                     | MESAVERDE(R20002)      |                             |                   |                          |                                                                                                         |
|                                                                            |                        |                             |                   |                          |                                                                                                         |
| <b>Location: Surface</b> <b>Datum Code: NAD 27</b> <b>Directional:</b>     |                        |                             |                   |                          |                                                                                                         |
| Latitude: 36.635487                                                        | Longitude: -107.779128 | X:                          | Y:                | Section: 27              | Range: 009W                                                                                             |
| Footage X: 1547 FWL                                                        | Footage Y: 1723 FNL    | Elevation: 6840             | (FT)              | Township: 028N           |                                                                                                         |
| Tolerance:                                                                 |                        |                             |                   |                          |                                                                                                         |
| <b>Location: Bottom Hole</b> <b>Datum Code: NAD 27</b> <b>Directional:</b> |                        |                             |                   |                          |                                                                                                         |
| Latitude: 36.632096                                                        | Longitude: -107.777939 | X:                          | Y:                | Section: 27              | Range: 009W                                                                                             |
| Footage X: 1890 FWL                                                        | Footage Y: 2305 FSL    | Elevation:                  | (FT)              | Township: 028N           |                                                                                                         |
| Tolerance:                                                                 |                        |                             |                   |                          |                                                                                                         |
| Location Type: Year Round                                                  |                        | Start Date (Est.): 1/1/2012 |                   | Completion Date:         |                                                                                                         |
|                                                                            |                        |                             |                   | Date In Operation:       |                                                                                                         |
| Formation Data: Assume KB = 6855      Units = FT                           |                        |                             |                   |                          |                                                                                                         |
| Formation Call & Casing Points                                             | Depth (TVD in Ft)      | SS (Ft)                     | MD (Ft)           | Depletion (Yes/No)       | BHP (PSIG)                                                                                              |
|                                                                            |                        |                             |                   |                          | BHT                                                                                                     |
| Surface Casing                                                             | 320                    | 6535                        |                   | <input type="checkbox"/> | 12-1/4 hole. 320' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 169 cuft. Circulate cement to surface. |
| OJO ALAMO                                                                  | 2064                   | 4791                        |                   | <input type="checkbox"/> |                                                                                                         |
| KIRTLAND                                                                   | 2177                   | 4678                        |                   | <input type="checkbox"/> |                                                                                                         |
| FRUITLAND                                                                  | 2607                   | 4248                        |                   | <input type="checkbox"/> | Possible Gas                                                                                            |
| PICTURED CLIFFS                                                            | 3031                   | 3824                        |                   | <input type="checkbox"/> |                                                                                                         |
| LEWIS                                                                      | 3156                   | 3699                        |                   | <input type="checkbox"/> |                                                                                                         |
| CHACRA                                                                     | 3994                   | 2861                        |                   | <input type="checkbox"/> |                                                                                                         |
| UPPER CLIFF HOUSE                                                          | 4432                   | 2423                        |                   | <input type="checkbox"/> | Gas; Cliffhouse is wet                                                                                  |
| MASSIVE CLIFF HOUSE                                                        | 4683                   | 2172                        |                   | <input type="checkbox"/> | 504 Gas                                                                                                 |
| MENELEE                                                                    | 4715                   | 2140                        |                   | <input type="checkbox"/> | Est. Top Perf - 4915 ( 1940 )                                                                           |
| Intermediate Casing                                                        | 4865                   | 1990                        |                   | <input type="checkbox"/> | 134 8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 1137 cuft. Circulate cement to surface.      |
| POINT LOOKOUT                                                              | 5322                   | 1533                        |                   | <input type="checkbox"/> |                                                                                                         |
| MANCOS                                                                     | 5650                   | 1205                        |                   | <input type="checkbox"/> |                                                                                                         |
| UPPER GALLUP                                                               | 6479                   | 376                         |                   | <input type="checkbox"/> |                                                                                                         |
| GREENHORN                                                                  | 7250                   | -395                        |                   | <input type="checkbox"/> |                                                                                                         |
| GRANEROS                                                                   | 7308                   | -453                        |                   | <input type="checkbox"/> |                                                                                                         |
| TWO WELLS                                                                  | 7366                   | -511                        |                   | <input type="checkbox"/> | 2032 Gas                                                                                                |
| PAGUATE                                                                    | 7416                   | -561                        |                   | <input type="checkbox"/> |                                                                                                         |
| LOWER CUBERO                                                               | 7477                   | -622                        |                   | <input type="checkbox"/> |                                                                                                         |
| ENCINAL                                                                    | 7541                   | -686                        |                   | <input type="checkbox"/> | TD - 40' below T/ENCN; Est. Btm Perf - 7561 ( - 706 ) based on offset wells                             |

## PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

BLANCO WASH FEDERAL 3W

DEVELOPMENT

Total Depth 7581 -726 ☐ 188 6-1/4" hole, 4-1/2" 11.6 ppf, L-80, LTC casing. Cement w/ 374 cuft. Circulate cement a minimum of 100' inside th previous casing string.

| Reference Wells: |                       |                    |
|------------------|-----------------------|--------------------|
| Reference Type   | Well Name             | Comments           |
| Production       | Blanco Wash Federal 3 | 28N 9W 27 SW SW    |
| Production       | Storey C 3E           | 28N 9W 27 SW NW SE |
| Production       | Storey C 3            | 28N 9W 27 NW NE    |

Logging Program:

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

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

Cased Hole GR / CBL

Mudlog from 100' above top of GLLP to TD - mudlogger will call TD.

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

# ConocoPhillips or its affiliates

## Planning Report

|           |                                        |                              |                              |
|-----------|----------------------------------------|------------------------------|------------------------------|
| Database: | EDM Central Planning                   | Local Co-ordinate Reference: | Well Blanco Wash Federal #3M |
| Company:  | ConocoPhillips SJB                     | TVD Reference:               | RKB @ 6855.0ft (AWS RIGS)    |
| Project:  | San Juan Basin - New Mexico West Wells | MD Reference:                | RKB @ 6855.0ft (AWS RIGS)    |
| Site:     | Other Named Wells                      | North Reference:             | True                         |
| Well:     | Blanco Wash Federal #3M                | Survey Calculation Method:   | Minimum Curvature            |
| Wellbore: | Principal Wellbore                     |                              |                              |
| Design:   | Plan #1                                |                              |                              |

|             |                                                                     |               |                             |
|-------------|---------------------------------------------------------------------|---------------|-----------------------------|
| Project:    | San Juan Basin - New Mexico West Wells, New Mexico, Directional "S" |               |                             |
| Map System: | US State Plane 1927 (Exact solution)                                | System Datum: | Mean Sea Level              |
| Geo Datum:  | NAD 1927 (NADCON CONUS)                                             |               |                             |
| Map Zone:   | New Mexico West 3003                                                |               | Using geodetic scale factor |

|                               |                     |                 |                              |
|-------------------------------|---------------------|-----------------|------------------------------|
| Site:                         | Other Named Wells   |                 |                              |
| Site Position:                | Northings:          | 2,108,178.26 ft | Latitude: 36° 47' 33.793 N   |
| From: Lat/Long                | Easting:            | 643,887.63 ft   | Longitude: 107° 20' 30.932 W |
| Position Uncertainty: 15.0 ft | Slot Radius: 6-1/8" |                 | Grid Convergence: 0.29 °     |

|                      |                                                               |                     |                            |
|----------------------|---------------------------------------------------------------|---------------------|----------------------------|
| Well:                | Blanco Wash Federal #3M, Directional "S" Curve Long, No Lewis |                     |                            |
| Well Position        | +N-S                                                          | 0.0 ft              | Northings: 2,050,573.36 ft |
|                      | +E-W                                                          | 0.0 ft              | Easting: 515,904.09 ft     |
| Position Uncertainty | 3.5 ft                                                        | Wellhead Elevation: | ft                         |
|                      |                                                               |                     | Ground Level: 6,840.0 ft   |

|            |                    |             |                     |
|------------|--------------------|-------------|---------------------|
| Wellbore:  | Principal Wellbore |             |                     |
| Magnetics: | Model Name         | Sample Date | Declination         |
|            |                    |             | (°)                 |
|            | BGGM2010           | 11/29/2010  | 9.94                |
|            |                    |             | Dip Angle (°)       |
|            |                    |             | 63.42               |
|            |                    |             | Field Strength (nT) |
|            |                    |             | 50,724              |

|                   |                  |           |                   |
|-------------------|------------------|-----------|-------------------|
| Design:           | Plan #1          |           |                   |
| Audit Notes:      |                  |           |                   |
| Version: 1        | Phase:           | PROTOTYPE | Tie On Depth: 0.0 |
| Vertical Section: | Depth From (TVD) | +N-S      | +E-W              |
|                   | (ft)             | (ft)      | (ft)              |
|                   | 0.0              | 0.0       | 0.0               |
|                   |                  |           | Direction (°)     |
|                   |                  |           | 164.21            |

|                |             |         |            |          |       |                |                |                |        |                     |
|----------------|-------------|---------|------------|----------|-------|----------------|----------------|----------------|--------|---------------------|
| Plan Sections: |             |         |            |          |       |                |                |                |        |                     |
| Measured       | Inclination | Azimuth | Vertical   | +N-S     | +E-W  | Dogleg         | Build          | Turn           | TFO    | Target              |
| Depth (ft)     | (°)         | (°)     | Depth (ft) | (ft)     | (ft)  | Rate (°/100ft) | Rate (°/100ft) | Rate (°/100ft) | (%)    |                     |
| 0.0            | 0.00        | 0.00    | 0.0        | 0.0      | 0.0   | 0.00           | 0.00           | 0.00           | 0.00   |                     |
| 500.0          | 0.00        | 0.00    | 500.0      | 0.0      | 0.0   | 0.00           | 0.00           | 0.00           | 0.00   |                     |
| 1,500.4        | 20.01       | 164.21  | 1,480.2    | -166.4   | 47.0  | 2.00           | 2.00           | 0.00           | 164.21 |                     |
| 4,407.2        | 20.01       | 164.21  | 4,211.5    | -1,123.5 | 317.6 | 0.00           | 0.00           | 0.00           | 0.00   |                     |
| 5,074.1        | 0.00        | 0.00    | 4,865.0    | -1,234.4 | 348.9 | 3.00           | -3.00          | 0.00           | 180.00 | Blanco Wash Federal |
| 7,790.1        | 0.00        | 0.00    | 7,581.0    | -1,234.4 | 348.9 | 0.00           | 0.00           | 0.00           | 0.00   | Blanco Wash Federal |

**ConocoPhillips or its affiliates**  
Planning Report

|           |                                        |                              |                              |
|-----------|----------------------------------------|------------------------------|------------------------------|
| Database: | EDM Central Planning                   | Local Co-ordinate Reference: | Well Blanco Wash Federal #3M |
| Company:  | ConocoPhillips SJB                     | TVD Reference:               | RKB @ 6855.0ft (AWS RIGS)    |
| Project:  | San Juan Basin - New Mexico West Wells | M/D Reference:               | RKB @ 6855.0ft (AWS RIGS)    |
| Site:     | Other Named Wells                      | North Reference:             | True                         |
| Well:     | Blanco Wash Federal #3M                | Survey Calculation Method:   | Minimum Curvature            |
| Wellbore: | Principal Wellbore                     |                              |                              |
| Design:   | Plan #1                                |                              |                              |

| Planned Survey         |                 |             |                     |            |            |                       |                       |                      |                     |  |
|------------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|--|
| Measured Depth (ft)    | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |  |
| 0.0                    | 0.00            | 0.00        | 0.0                 | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |  |
| 100.0                  | 0.00            | 0.00        | 100.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |  |
| 200.0                  | 0.00            | 0.00        | 200.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |  |
| 300.0                  | 0.00            | 0.00        | 300.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |  |
| 320.0                  | 0.00            | 0.00        | 320.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |  |
| <b>Surface</b>         |                 |             |                     |            |            |                       |                       |                      |                     |  |
| 400.0                  | 0.00            | 0.00        | 400.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |  |
| 500.0                  | 0.00            | 0.00        | 500.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |  |
| 600.0                  | 2.00            | 164.21      | 600.0               | -1.7       | 0.5        | 1.7                   | 2.00                  | 2.00                 | 0.00                |  |
| 700.0                  | 4.00            | 164.21      | 699.8               | -6.7       | 1.9        | 7.0                   | 2.00                  | 2.00                 | 0.00                |  |
| 800.0                  | 6.00            | 164.21      | 799.5               | -15.1      | 4.3        | 15.7                  | 2.00                  | 2.00                 | 0.00                |  |
| 900.0                  | 8.00            | 164.21      | 898.7               | -26.8      | 7.6        | 27.9                  | 2.00                  | 2.00                 | 0.00                |  |
| 1,000.0                | 10.00           | 164.21      | 997.5               | -41.9      | 11.8       | 43.5                  | 2.00                  | 2.00                 | 0.00                |  |
| 1,100.0                | 12.00           | 164.21      | 1,095.6             | -60.2      | 17.0       | 62.6                  | 2.00                  | 2.00                 | 0.00                |  |
| 1,200.0                | 14.00           | 164.21      | 1,193.1             | -81.9      | 23.1       | 85.1                  | 2.00                  | 2.00                 | 0.00                |  |
| 1,300.0                | 16.00           | 164.21      | 1,289.6             | -106.8     | 30.2       | 111.0                 | 2.00                  | 2.00                 | 0.00                |  |
| 1,400.0                | 18.00           | 164.21      | 1,385.3             | -134.9     | 38.1       | 140.2                 | 2.00                  | 2.00                 | 0.00                |  |
| 1,500.4                | 20.01           | 164.21      | 1,480.2             | -166.4     | 47.0       | 172.9                 | 2.00                  | 2.00                 | 0.00                |  |
| 1,600.0                | 20.01           | 164.21      | 1,573.8             | -199.2     | 56.3       | 207.0                 | 0.00                  | 0.00                 | 0.00                |  |
| 1,700.0                | 20.01           | 164.21      | 1,667.7             | -232.1     | 65.6       | 241.2                 | 0.00                  | 0.00                 | 0.00                |  |
| 1,800.0                | 20.01           | 164.21      | 1,761.7             | -265.0     | 74.9       | 275.4                 | 0.00                  | 0.00                 | 0.00                |  |
| 1,900.0                | 20.01           | 164.21      | 1,855.7             | -298.0     | 84.2       | 309.6                 | 0.00                  | 0.00                 | 0.00                |  |
| 2,000.0                | 20.01           | 164.21      | 1,949.6             | -330.9     | 93.5       | 343.8                 | 0.00                  | 0.00                 | 0.00                |  |
| 2,100.0                | 20.01           | 164.21      | 2,043.6             | -363.8     | 102.8      | 378.1                 | 0.00                  | 0.00                 | 0.00                |  |
| 2,121.7                | 20.01           | 164.21      | 2,064.0             | -371.0     | 104.9      | 385.5                 | 0.00                  | 0.00                 | 0.00                |  |
| <b>Ojo Alamo</b>       |                 |             |                     |            |            |                       |                       |                      |                     |  |
| 2,200.0                | 20.01           | 164.21      | 2,137.6             | -396.7     | 112.2      | 412.3                 | 0.00                  | 0.00                 | 0.00                |  |
| 2,242.0                | 20.01           | 164.21      | 2,177.0             | -410.6     | 116.1      | 426.6                 | 0.00                  | 0.00                 | 0.00                |  |
| <b>Kirtland</b>        |                 |             |                     |            |            |                       |                       |                      |                     |  |
| 2,300.0                | 20.01           | 164.21      | 2,231.5             | -429.7     | 121.5      | 446.5                 | 0.00                  | 0.00                 | 0.00                |  |
| 2,400.0                | 20.01           | 164.21      | 2,325.5             | -462.6     | 130.8      | 480.7                 | 0.00                  | 0.00                 | 0.00                |  |
| 2,500.0                | 20.01           | 164.21      | 2,419.5             | -495.5     | 140.1      | 514.9                 | 0.00                  | 0.00                 | 0.00                |  |
| 2,600.0                | 20.01           | 164.21      | 2,513.4             | -528.4     | 149.4      | 549.1                 | 0.00                  | 0.00                 | 0.00                |  |
| 2,699.6                | 20.01           | 164.21      | 2,607.0             | -561.2     | 158.7      | 583.2                 | 0.00                  | 0.00                 | 0.00                |  |
| <b>Fruitland</b>       |                 |             |                     |            |            |                       |                       |                      |                     |  |
| 2,700.0                | 20.01           | 164.21      | 2,607.4             | -561.4     | 158.7      | 583.4                 | 0.00                  | 0.00                 | 0.00                |  |
| 2,800.0                | 20.01           | 164.21      | 2,701.3             | -594.3     | 168.0      | 617.6                 | 0.00                  | 0.00                 | 0.00                |  |
| 2,900.0                | 20.01           | 164.21      | 2,795.3             | -627.2     | 177.3      | 651.8                 | 0.00                  | 0.00                 | 0.00                |  |
| 2,912.4                | 20.01           | 164.21      | 2,807.0             | -631.3     | 178.5      | 656.0                 | 0.00                  | 0.00                 | 0.00                |  |
| <b>Stage Tool</b>      |                 |             |                     |            |            |                       |                       |                      |                     |  |
| 3,000.0                | 20.01           | 164.21      | 2,889.3             | -660.1     | 186.6      | 686.0                 | 0.00                  | 0.00                 | 0.00                |  |
| 3,100.0                | 20.01           | 164.21      | 2,983.2             | -693.1     | 195.9      | 720.2                 | 0.00                  | 0.00                 | 0.00                |  |
| 3,150.8                | 20.01           | 164.21      | 3,031.0             | -709.8     | 200.7      | 737.6                 | 0.00                  | 0.00                 | 0.00                |  |
| <b>Pictured Cliffs</b> |                 |             |                     |            |            |                       |                       |                      |                     |  |
| 3,200.0                | 20.01           | 164.21      | 3,077.2             | -726.0     | 205.2      | 754.4                 | 0.00                  | 0.00                 | 0.00                |  |
| 3,283.9                | 20.01           | 164.21      | 3,156.0             | -753.6     | 213.0      | 783.1                 | 0.00                  | 0.00                 | 0.00                |  |
| <b>Lewis</b>           |                 |             |                     |            |            |                       |                       |                      |                     |  |
| 3,300.0                | 20.01           | 164.21      | 3,171.2             | -758.9     | 214.5      | 788.7                 | 0.00                  | 0.00                 | 0.00                |  |
| 3,400.0                | 20.01           | 164.21      | 3,265.1             | -791.8     | 223.8      | 822.9                 | 0.00                  | 0.00                 | 0.00                |  |
| 3,500.0                | 20.01           | 164.21      | 3,359.1             | -824.8     | 233.2      | 857.1                 | 0.00                  | 0.00                 | 0.00                |  |
| 3,600.0                | 20.01           | 164.21      | 3,453.1             | -857.7     | 242.5      | 891.3                 | 0.00                  | 0.00                 | 0.00                |  |
| 3,700.0                | 20.01           | 164.21      | 3,547.0             | -890.6     | 251.8      | 925.5                 | 0.00                  | 0.00                 | 0.00                |  |
| 3,800.0                | 20.01           | 164.21      | 3,641.0             | -923.5     | 261.1      | 959.7                 | 0.00                  | 0.00                 | 0.00                |  |

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## Planning Report

|           |                                        |                              |                              |
|-----------|----------------------------------------|------------------------------|------------------------------|
| Database: | EDM Central Planning                   | Local Co-ordinate Reference: | Well Blanco Wash Federal #3M |
| Company:  | ConocoPhillips S.IBU                   | TVD Reference:               | RKB @ 6855.0ft (AWS RIGS)    |
| Project:  | San Juan Basin - New Mexico West Wells | MD Reference:                | RKB @ 6855.0ft (AWS RIGS)    |
| Site:     | Other Named Wells                      | North Reference:             | True                         |
| Well:     | Blanco Wash Federal #3M                | Survey Calculation Method:   | Minimum Curvature            |
| Wellbore: | Principal Wellbore                     |                              |                              |
| Design:   | Plan #1                                |                              |                              |

| Planned Survey:                              |                 |             |                     |            |            |                       |                       |                      |                     |  |
|----------------------------------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|--|
| Measured Depth (ft)                          | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |  |
| 3,900.0                                      | 20.01           | 164.21      | 3,735.0             | -956.5     | 270.4      | 994.0                 | 0.00                  | 0.00                 | 0.00                |  |
| 4,000.0                                      | 20.01           | 164.21      | 3,828.9             | -989.4     | 279.7      | 1,028.2               | 0.00                  | 0.00                 | 0.00                |  |
| 4,100.0                                      | 20.01           | 164.21      | 3,922.9             | -1,022.3   | 289.0      | 1,062.4               | 0.00                  | 0.00                 | 0.00                |  |
| 4,175.7                                      | 20.01           | 164.21      | 3,994.0             | -1,047.2   | 296.0      | 1,088.3               | 0.00                  | 0.00                 | 0.00                |  |
| Chacara                                      |                 |             |                     |            |            |                       |                       |                      |                     |  |
| 4,200.0                                      | 20.01           | 164.21      | 4,016.8             | -1,055.2   | 298.3      | 1,096.6               | 0.00                  | 0.00                 | 0.00                |  |
| 4,300.0                                      | 20.01           | 164.21      | 4,110.8             | -1,088.2   | 307.6      | 1,130.8               | 0.00                  | 0.00                 | 0.00                |  |
| 4,407.2                                      | 20.01           | 164.21      | 4,211.5             | -1,123.5   | 317.6      | 1,167.5               | 0.00                  | 0.00                 | 0.00                |  |
| 4,500.0                                      | 17.22           | 164.21      | 4,299.5             | -1,152.0   | 325.7      | 1,197.1               | 3.00                  | -3.00                | 0.00                |  |
| 4,600.0                                      | 14.22           | 164.21      | 4,395.7             | -1,178.0   | 333.0      | 1,224.2               | 3.00                  | -3.00                | 0.00                |  |
| 4,637.3                                      | 13.10           | 164.21      | 4,432.0             | -1,186.5   | 335.4      | 1,233.0               | 3.00                  | -3.00                | 0.00                |  |
| Upper Cliffhouse                             |                 |             |                     |            |            |                       |                       |                      |                     |  |
| 4,700.0                                      | 11.22           | 164.21      | 4,493.3             | -1,199.2   | 339.0      | 1,246.2               | 3.00                  | -3.00                | 0.00                |  |
| 4,800.0                                      | 8.22            | 164.21      | 4,591.8             | -1,215.5   | 343.6      | 1,263.1               | 3.00                  | -3.00                | 0.00                |  |
| 4,891.9                                      | 5.47            | 164.21      | 4,683.0             | -1,226.0   | 346.6      | 1,274.1               | 3.00                  | -3.00                | 0.00                |  |
| Massive Cliffhouse                           |                 |             |                     |            |            |                       |                       |                      |                     |  |
| 4,900.0                                      | 5.22            | 164.21      | 4,691.1             | -1,226.8   | 346.8      | 1,274.8               | 3.00                  | -3.00                | 0.00                |  |
| 4,924.0                                      | 4.50            | 164.21      | 4,715.0             | -1,228.7   | 347.3      | 1,276.9               | 3.00                  | -3.00                | 0.00                |  |
| Menefee                                      |                 |             |                     |            |            |                       |                       |                      |                     |  |
| 5,000.0                                      | 2.22            | 164.21      | 4,790.9             | -1,233.0   | 348.6      | 1,281.3               | 3.00                  | -3.00                | 0.00                |  |
| 5,074.1                                      | 0.00            | 0.00        | 4,865.0             | -1,234.4   | 348.9      | 1,282.8               | 3.00                  | -3.00                | 0.00                |  |
| Intermediate - Blanco Wash Federal #3M - ICP |                 |             |                     |            |            |                       |                       |                      |                     |  |
| 5,100.0                                      | 0.00            | 0.00        | 4,890.9             | -1,234.4   | 348.9      | 1,282.8               | 0.00                  | 0.00                 | 0.00                |  |
| 5,200.0                                      | 0.00            | 0.00        | 4,990.9             | -1,234.4   | 348.9      | 1,282.8               | 0.00                  | 0.00                 | 0.00                |  |
| 5,300.0                                      | 0.00            | 0.00        | 5,090.9             | -1,234.4   | 348.9      | 1,282.8               | 0.00                  | 0.00                 | 0.00                |  |
| 5,400.0                                      | 0.00            | 0.00        | 5,190.9             | -1,234.4   | 348.9      | 1,282.8               | 0.00                  | 0.00                 | 0.00                |  |
| 5,500.0                                      | 0.00            | 0.00        | 5,290.9             | -1,234.4   | 348.9      | 1,282.8               | 0.00                  | 0.00                 | 0.00                |  |
| 5,531.1                                      | 0.00            | 0.00        | 5,322.0             | -1,234.4   | 348.9      | 1,282.8               | 0.00                  | 0.00                 | 0.00                |  |
| Point Lookout                                |                 |             |                     |            |            |                       |                       |                      |                     |  |
| 5,600.0                                      | 0.00            | 0.00        | 5,390.9             | -1,234.4   | 348.9      | 1,282.8               | 0.00                  | 0.00                 | 0.00                |  |
| 5,700.0                                      | 0.00            | 0.00        | 5,490.9             | -1,234.4   | 348.9      | 1,282.8               | 0.00                  | 0.00                 | 0.00                |  |
| 5,800.0                                      | 0.00            | 0.00        | 5,590.9             | -1,234.4   | 348.9      | 1,282.8               | 0.00                  | 0.00                 | 0.00                |  |
| 5,859.1                                      | 0.00            | 0.00        | 5,650.0             | -1,234.4   | 348.9      | 1,282.8               | 0.00                  | 0.00                 | 0.00                |  |
| Mancos Shale                                 |                 |             |                     |            |            |                       |                       |                      |                     |  |
| 5,900.0                                      | 0.00            | 0.00        | 5,690.9             | -1,234.4   | 348.9      | 1,282.8               | 0.00                  | 0.00                 | 0.00                |  |
| 6,000.0                                      | 0.00            | 0.00        | 5,790.9             | -1,234.4   | 348.9      | 1,282.8               | 0.00                  | 0.00                 | 0.00                |  |
| 6,100.0                                      | 0.00            | 0.00        | 5,890.9             | -1,234.4   | 348.9      | 1,282.8               | 0.00                  | 0.00                 | 0.00                |  |
| 6,200.0                                      | 0.00            | 0.00        | 5,990.9             | -1,234.4   | 348.9      | 1,282.8               | 0.00                  | 0.00                 | 0.00                |  |
| 6,300.0                                      | 0.00            | 0.00        | 6,090.9             | -1,234.4   | 348.9      | 1,282.8               | 0.00                  | 0.00                 | 0.00                |  |
| 6,400.0                                      | 0.00            | 0.00        | 6,190.9             | -1,234.4   | 348.9      | 1,282.8               | 0.00                  | 0.00                 | 0.00                |  |
| 6,500.0                                      | 0.00            | 0.00        | 6,290.9             | -1,234.4   | 348.9      | 1,282.8               | 0.00                  | 0.00                 | 0.00                |  |
| 6,600.0                                      | 0.00            | 0.00        | 6,390.9             | -1,234.4   | 348.9      | 1,282.8               | 0.00                  | 0.00                 | 0.00                |  |
| 6,688.1                                      | 0.00            | 0.00        | 6,479.0             | -1,234.4   | 348.9      | 1,282.8               | 0.00                  | 0.00                 | 0.00                |  |
| Gallup                                       |                 |             |                     |            |            |                       |                       |                      |                     |  |
| 6,700.0                                      | 0.00            | 0.00        | 6,490.9             | -1,234.4   | 348.9      | 1,282.8               | 0.00                  | 0.00                 | 0.00                |  |
| 6,800.0                                      | 0.00            | 0.00        | 6,590.9             | -1,234.4   | 348.9      | 1,282.8               | 0.00                  | 0.00                 | 0.00                |  |
| 6,900.0                                      | 0.00            | 0.00        | 6,690.9             | -1,234.4   | 348.9      | 1,282.8               | 0.00                  | 0.00                 | 0.00                |  |
| 7,000.0                                      | 0.00            | 0.00        | 6,790.9             | -1,234.4   | 348.9      | 1,282.8               | 0.00                  | 0.00                 | 0.00                |  |
| 7,100.0                                      | 0.00            | 0.00        | 6,890.9             | -1,234.4   | 348.9      | 1,282.8               | 0.00                  | 0.00                 | 0.00                |  |
| 7,200.0                                      | 0.00            | 0.00        | 6,990.9             | -1,234.4   | 348.9      | 1,282.8               | 0.00                  | 0.00                 | 0.00                |  |
| 7,300.0                                      | 0.00            | 0.00        | 7,090.9             | -1,234.4   | 348.9      | 1,282.8               | 0.00                  | 0.00                 | 0.00                |  |
| 7,400.0                                      | 0.00            | 0.00        | 7,190.9             | -1,234.4   | 348.9      | 1,282.8               | 0.00                  | 0.00                 | 0.00                |  |

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## Planning Report

|           |                                        |                              |                              |
|-----------|----------------------------------------|------------------------------|------------------------------|
| Database: | EDM Central Planning                   | Local Co-ordinate Reference: | Well Blanco Wash Federal #3M |
| Company:  | ConocoPhillips SJB                     | TVD Reference:               | RKB @ 8855.0ft (AWS RIGS)    |
| Project:  | San Juan Basin - New Mexico West Wells | MD Reference:                | RKB @ 6855.0ft (AWS RIGS)    |
| Site:     | Other Named Wells                      | North Reference:             | True                         |
| Well:     | Blanco Wash Federal #3M                | Survey Calculation Method:   | Minimum Curvature            |
| Wellbore: | Principal Wellbore                     |                              |                              |
| Design:   | Plan #1                                |                              |                              |

| Planned Survey                                  |                 |             |                     |          |          |                       |                       |                      |                     |  |
|-------------------------------------------------|-----------------|-------------|---------------------|----------|----------|-----------------------|-----------------------|----------------------|---------------------|--|
| Measured Depth (ft)                             | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | N-S (ft) | E-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |  |
| 7,459.1                                         | 0.00            | 0.00        | 7,250.0             | -1,234.4 | 348.9    | 1,282.8               | 0.00                  | 0.00                 | 0.00                |  |
| Greenhorn                                       |                 |             |                     |          |          |                       |                       |                      |                     |  |
| 7,500.0                                         | 0.00            | 0.00        | 7,290.9             | -1,234.4 | 348.9    | 1,282.8               | 0.00                  | 0.00                 | 0.00                |  |
| 7,517.1                                         | 0.00            | 0.00        | 7,308.0             | -1,234.4 | 348.9    | 1,282.8               | 0.00                  | 0.00                 | 0.00                |  |
| Graneros                                        |                 |             |                     |          |          |                       |                       |                      |                     |  |
| 7,575.1                                         | 0.00            | 0.00        | 7,366.0             | -1,234.4 | 348.9    | 1,282.8               | 0.00                  | 0.00                 | 0.00                |  |
| Two Wells                                       |                 |             |                     |          |          |                       |                       |                      |                     |  |
| 7,600.0                                         | 0.00            | 0.00        | 7,390.9             | -1,234.4 | 348.9    | 1,282.8               | 0.00                  | 0.00                 | 0.00                |  |
| 7,625.1                                         | 0.00            | 0.00        | 7,416.0             | -1,234.4 | 348.9    | 1,282.8               | 0.00                  | 0.00                 | 0.00                |  |
| Paguate                                         |                 |             |                     |          |          |                       |                       |                      |                     |  |
| 7,686.1                                         | 0.00            | 0.00        | 7,477.0             | -1,234.4 | 348.9    | 1,282.8               | 0.00                  | 0.00                 | 0.00                |  |
| Lower Cubero                                    |                 |             |                     |          |          |                       |                       |                      |                     |  |
| 7,700.0                                         | 0.00            | 0.00        | 7,490.9             | -1,234.4 | 348.9    | 1,282.8               | 0.00                  | 0.00                 | 0.00                |  |
| 7,750.1                                         | 0.00            | 0.00        | 7,541.0             | -1,234.4 | 348.9    | 1,282.8               | 0.00                  | 0.00                 | 0.00                |  |
| Encinal                                         |                 |             |                     |          |          |                       |                       |                      |                     |  |
| 7,790.1                                         | 0.00            | 0.00        | 7,581.0             | -1,234.4 | 348.9    | 1,282.8               | 0.00                  | 0.00                 | 0.00                |  |
| TD - Production - Blanco Wash Federal #3M - PCP |                 |             |                     |          |          |                       |                       |                      |                     |  |

| Targets                |                           |               |             |          |          |          |               |              |                   |
|------------------------|---------------------------|---------------|-------------|----------|----------|----------|---------------|--------------|-------------------|
| Target Name            | hit/miss target           | Dip Angle (°) | Dip Dir (°) | TVD (ft) | N-S (ft) | E-W (ft) | Northing (ft) | Easting (ft) | Latitude          |
| Blanco Wash Federal #3 | - plan hits target center | 0.00          | 0.00        | 4,865.0  | -1,234.4 | 348.9    | 2,049,339.27  | 516,253.70   | 36° 37' 55.545 N  |
|                        | - Circle (radius 100.0)   |               |             |          |          |          |               |              | 107° 46' 40.579 W |
| Blanco Wash Federal #3 | - plan hits target center | 0.00          | 0.00        | 7,581.0  | -1,234.4 | 348.9    | 2,049,339.27  | 516,253.70   | 36° 37' 55.545 N  |
|                        | - Circle (radius 100.0)   |               |             |          |          |          |               |              | 107° 46' 40.579 W |

| Casing Points       |                     |              |                     |                   |  |
|---------------------|---------------------|--------------|---------------------|-------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Name         | Casing Diameter (") | Hole Diameter (") |  |
| 320.0               | 320.0               | Surface      | 9-5/8               | 12-1/4            |  |
| 5,074.1             | 4,865.0             | Intermediate | 7                   | 8-3/4             |  |
| 7,790.1             | 7,581.0             | Production   | 4-1/2               | 6-1/4             |  |



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## Planning Report

|           |                                        |                              |                              |
|-----------|----------------------------------------|------------------------------|------------------------------|
| Database: | EDM Central Planning                   | Local Co-ordinate Reference: | Well Blanco Wash Federal #3M |
| Company:  | ConocoPhillips SJB                     | TVD Reference:               | RKB @ 6855.0ft (AWS RIGS)    |
| Project:  | San Juan Basin - New Mexico West Wells | MD Reference:                | RKB @ 6855.0ft (AWS RIGS)    |
| Site:     | Other Named Wells                      | North Reference:             | True                         |
| Well:     | Blanco Wash Federal #3M                | Survey Calculation Method:   | Minimum Curvature            |
| Wellbore: | Principal Wellbore                     |                              |                              |
| Design:   | Plan #1                                |                              |                              |

| Formations          |                     |                    |           |         |                   |  |
|---------------------|---------------------|--------------------|-----------|---------|-------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Name               | Lithology | Dip (°) | Dip Direction (°) |  |
| 4,891.9             | 4,683.0             | Massive Cliffhouse |           | 0.00    |                   |  |
| 2,242.0             | 2,177.0             | Kirtland           |           | 0.00    |                   |  |
| 7,625.1             | 7,416.0             | Paguate            |           | 0.00    |                   |  |
| 5,859.1             | 5,650.0             | Mancos Shale       |           | 0.00    |                   |  |
| 2,912.4             | 2,807.0             | Stage Tool         |           | 0.00    |                   |  |
| 7,790.1             | 7,581.0             | TD                 |           | 0.00    |                   |  |
| 7,459.1             | 7,250.0             | Greenhorn          |           | 0.00    |                   |  |
| 4,637.3             | 4,432.0             | Upper Cliffhouse   |           | 0.00    |                   |  |
| 7,517.1             | 7,303.0             | Graneros           |           | 0.00    |                   |  |
| 4,924.0             | 4,715.0             | Menefee            |           | 0.00    |                   |  |
| 3,150.8             | 3,031.0             | Pictured Cliffs    |           | 0.00    |                   |  |
| 2,699.6             | 2,607.0             | Fruitland          |           | 0.00    |                   |  |
| 7,686.1             | 7,477.0             | Lower Cubero       |           | 0.00    |                   |  |
| 5,531.1             | 5,322.0             | Point Lookout      |           | 0.00    |                   |  |
| 7,750.1             | 7,541.0             | Encinal            |           | 0.00    |                   |  |
| 7,575.1             | 7,366.0             | Two Wells          |           | 0.00    |                   |  |
| 4,175.7             | 3,994.0             | Chacra             |           | 0.00    |                   |  |
| 2,121.7             | 2,064.0             | Ojo Alamo          |           | 0.00    |                   |  |
| 3,283.9             | 3,156.0             | Lewis              |           | 0.00    |                   |  |
| 6,688.1             | 6,479.0             | Gallup             |           | 0.00    |                   |  |

# REFERENCE INFORMATION

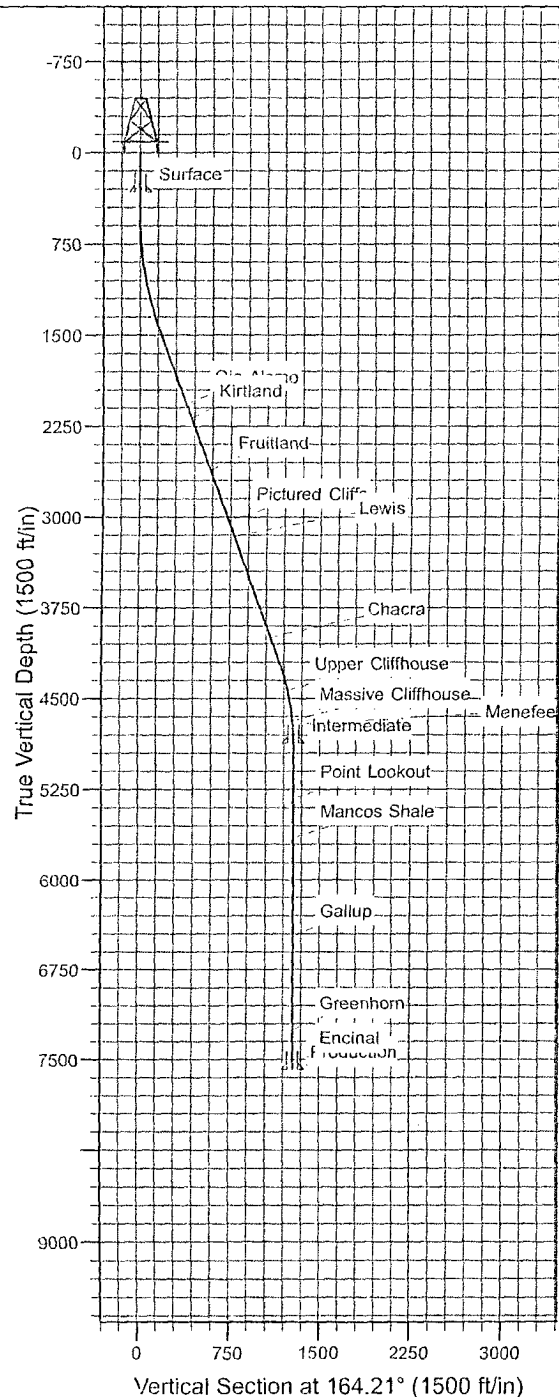
RKB @ 6855.0ft (AWS RIGS)  
Ground Elevation 6840.0  
Reference Lat: 36° 38' 7.751 N  
Reference Long: 107° 46' 44.860 W

Project: San Juan Basin - New Mexico West V  
Site: Other Named Wells  
Well: Blanco Wash Federal #3M  
Wellbore: Principal Wellbore  
Design: Plan #1



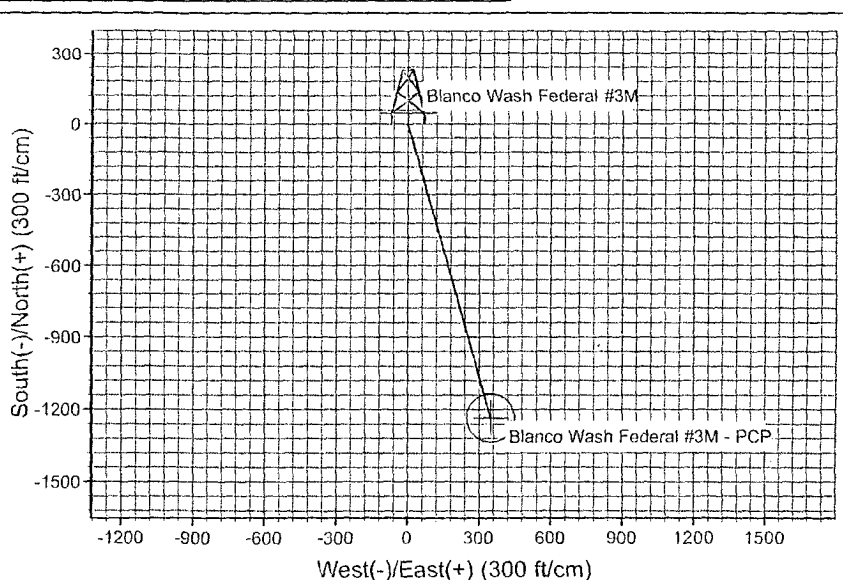
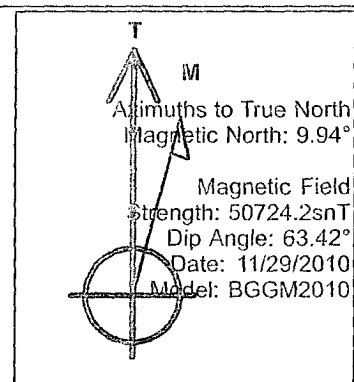
## SECTION DETAILS

| Sec | MD     | Inc   | Azi    | TVD    | +N/-S   | +E/-W | DLeg | TFace  | VSec   | Target                        |
|-----|--------|-------|--------|--------|---------|-------|------|--------|--------|-------------------------------|
| 1   | 0.0    | 0.00  | 0.00   | 0.0    | 0.0     | 0.0   | 0.00 | 0.00   | 0.0    |                               |
| 2   | 500.0  | 0.00  | 0.00   | 500.0  | 0.0     | 0.0   | 0.00 | 0.00   | 0.0    |                               |
| 3   | 1500.4 | 20.01 | 164.21 | 1480.2 | -166.4  | 47.0  | 2.00 | 164.21 | 172.9  |                               |
| 4   | 4407.2 | 20.01 | 164.21 | 4211.5 | -1123.5 | 317.6 | 0.00 | 0.00   | 1167.5 |                               |
| 5   | 5074.1 | 0.00  | 0.00   | 4865.0 | -1234.4 | 348.9 | 3.00 | 180.00 | 1282.8 | Blanco Wash Federal #3M - ICP |
| 6   | 7790.1 | 0.00  | 0.00   | 7581.0 | -1234.4 | 348.9 | 0.00 | 0.00   | 1282.8 | Blanco Wash Federal #3M - PCP |



## FORMATION TOP DETAILS

| TVDP   | MD     | Path | Formation          |
|--------|--------|------|--------------------|
| 2064.0 | 2121.7 |      | Ojo Alamo          |
| 2177.0 | 2242.0 |      | Kirtland           |
| 2607.0 | 2699.6 |      | Fruitland          |
| 2807.0 | 2912.4 |      | Stage Tool         |
| 3031.0 | 3150.8 |      | Pictured Cliffs    |
| 3156.0 | 3283.9 |      | Lewis              |
| 3994.0 | 4175.7 |      | Chacra             |
| 4432.0 | 4637.3 |      | Upper Cliffhouse   |
| 4683.0 | 4891.9 |      | Massive Cliffhouse |
| 4715.0 | 4924.0 |      | Menefee            |
| 5322.0 | 5531.1 |      | Point Lookout      |
| 5650.0 | 5859.1 |      | Mancos Shale       |
| 6479.0 | 6688.1 |      | Gallup             |
| 7250.0 | 7459.1 |      | Greenhorn          |
| 7308.0 | 7517.1 |      | Graneros           |
| 7366.0 | 7575.1 |      | Two Wells          |
| 7416.0 | 7625.1 |      | Paguate            |
| 7477.0 | 7686.1 |      | Lower Cubero       |
| 7541.0 | 7750.1 |      | Encinal            |
| 7581.0 | 7790.1 |      | TD                 |





**BURLINGTON RESOURCES OIL & GAS COMPANY LP  
BLANCO WASH FEDERAL 3M  
1723' FNL, 1547' FWL  
SECTION 27, T-28-N, R-9-W, N.M.P.M.  
SAN JUAN COUNTY, NEW MEXICO  
NAD 83 LAT.: 36.635494°N LONG.: 107.779743°W  
ELEV.: 6840 NAVD88  
NO NEW ACCESS**

FROM BLOOMFIELD N.M, GO 9 MILES EAST ON HWY. 64 TO BLANCO, N.M.  
FROM BLANCO:

- GO 1.3 MI. EAST ON HWY. 64 TO MILE POST 74.
- TURN RIGHT ON C.R. 4450 (LARGO CANYON).
- GO 4.2 MI. SOUTH, AND CROSS LARGO WASH AT "5 MILE BRIDGE".
- (NOTE: COME FROM SULLIVAN ROAD IF LARGO IS IMPASSABLE.)
- AFTER CROSSING LARGO WASH, GO ANOTHER 3.0 MI. SOUTHEAST. TURN RIGHT ON C.R. 7007 (7.2 MI. FROM HWY. 64), ENTERING BLANCO CANYON.
- GO 5.1 MI. SOUTH ON C.R. 7007 AND TURN RIGHT ON C.R 7225 HEADING WEST, INTO JAQUEZ CANYON.
- GO 0.5 MI. WEST. TURN RIGHT ON C.R. 7220, HEADING NORTHWEST TO HARRIS MESA PASS.
- GO 3.5 MI. NORTHWESTERLY, UP PASS, AND ON TOP OF HARRIS MESA. TURN RIGHT.
- GO 1.0 MI. NORTH. (NORTHEAST) ALONG HARRIS MESA.
- GO 0.5 MI. NORTH EAST TO EXISTING WELL LOCATION FOR BURLINGTON HANCOCK 5A. WELL SKAKED AS TWIN HERE.