submitted in lieu of Form 3160-5

RECEIVED

JAN 27 2011

Farmington Field Office
Bureau of Land Management

**UNITED STATES**
**DEPARTMENT OF THE INTERIOR**
**BUREAU OF LAND MANAGEMENT**

Sundry Notices and Reports on Wells

RECEIVED
FEB 2011
OIL CONS. DIV. DIST. 3

1. **Type of Well**
GAS

2. **Name of Operator**
BURLINGTON RESOURCES OIL & GAS COMPANY LP

3. **Address & Phone No. of Operator**
PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. **Location of Well, Footage, Sec., T, R, M**
**Surface: Unit O (SWSE), 995' FSL & 1667' FEL, Section 9, T31N, R12W, NMPM**
**Bottomhole: Unit J (NWSE), 1975' FSL & 1930' FEL, Section 9, T31N, R12W, NMPM**

5. **Lease Number**
**SF-078120-A**

6. **If Indian, All. or Tribe Name**

7. **Unit Agreement Name**

8. **Well Name & Number**
**Newberry 8B**

9. **API Well No.**
**30-045-35048**

10. **Field and Pool**
**Blanco Mesaverde**

11. **County and State**
**San Juan, NM**

**12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA**

| Type of Submission | Type of Action | | | |
|---|---|---|---|---|
| X Notice of Intent | Abandonment | Recompletion | Plugging | Casing Repair |
| Subsequent Report | Altering Casing | Change of Plans | New Construction | Non-Routine Fracturing |
| Final Abandonment | Water Shut off | Conversion to Injection | X Other – Change of Plans | |

**13. Describe Proposed or Completed Operations**

**Burlington Resources would like to submit a request to change the intermediate casing point on the subject well from 4619' TVD to 3250' TVD. We would like to set the intermediate casing in the Lewis formation. Due to the fact that this is a MV only well and we are not drilling to the Dakota, we do not need to isolate and case off the water wet Cliffhouse formation prior to drilling the production section. Burlington Resources plans to drill the production section with air, if the hole gets wet, we will mist drill to TD. Attached please find the revised project proposal, directional drilling plan and plot for your review.**

$H_2S$ POTENTIAL EXIST

CONDITIONS OF APPROVAL
Adhere to previously issued stipulations.

**14. I hereby certify that the foregoing is true and correct.**

Signed Brandie Blakley Brandie Blakley Title Staff Regulatory Technician Date 1/26/11

(This space for Federal or State Office use)
APPROVED BY Troy L Salyers Title Petroleum Engineer Date 2/1/2011
CONDITION OF APPROVAL, if any:

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 representations as to any matter within its jurisdiction.

NMOCD

Hold C104
for Directional Survey
and "As Drilled" plat

ConocoPhillips

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

**NEWBERRY 8B** **DEVELOPMENT**

| | | | | |
|---|---|---|---|---|
| Lease: | AFE #: WAN.CDR.9300 | | | AFE $: 1,456,675.38 |
| Field Name: SAN JUAN | Rig: Aztec Rig 730 | State: NM | County: SAN JUAN | API #: 3004535048 |
| Geologist: | Phone: | Geophysicist: | | Phone: |
| Geoscientist: | Phone: | Prod. Engineer: | | Phone: |
| Res. Engineer: | Phone: | Proj. Field Lead: | | Phone: |

**Primary Objective (Zones):**

| Zone | Zone Name |
|---|---|
| RON | BLANCO MESAVERDE (PRORATED GAS) |

| | | | | | |
|---|---|---|---|---|---|
| **Location:** Surface | Datum Code: NAD 27 | | | | **Directional** |
| Latitude: 36.908891 | Longitude: -108.097249 | X: | Y: | Section: 09 | Range: 012W |
| Footage X: 1667 FEL | Footage Y: 995 FSL | Elevation: 6201 (FT) | Township: 031N | | |
| Tolerance: | | | | | |
| **Location:** Bottom Hole | Datum Code: NAD 27 | | | | **Directional** |
| Latitude: 36.911613 | Longitude: -108.098066 | X: | Y: | Section: 09 | Range: 012W |
| Footage X: 1930 FEL | Footage Y: 1975 FSL | Elevation: (FT) | Township: 031N | | |
| Tolerance: | | | | | |

Location Type: Year Round Start Date (Est.): 1/1/2011 Completion Date: Date In Operation:

Formation Data: Assume KB = 6216 Units = FT

| Formation Call & Casing Points | Depth (TVD in Ft) | SS (Ft) | MD (Ft) | Depletion (Yes/No) | BHP (PSIG) | BHT | Remarks |
|---|---|---|---|---|---|---|---|
| Surface Casing | 200 | 6016 | | ☐ | | | 200' 9-5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface. |
| OJO ALAMO | 782 | 5434 | | ☐ | | | |
| KIRTLAND | 882 | 5334 | | ☐ | | | |
| FRUITLAND | 2010 | 4206 | | ☐ | | | Possible Gas |
| PICTURED CLIFFS | 2632 | 3584 | | ☐ | 795 | | |
| LEWIS ✓ | 2795 | 3421 | | ☐ | | | |
| Intermediate Casing | 3250 | 2966 | | ☐ | | | 3459' MD: 8-3/4" hole. 7", 23 ppf, J-55, LTC Casing. Cement with 779 cu ft. Circulate cement to surface. ✓ |
| HUERFANITO BENTONITE | 3368 | 2848 | | ☐ | | | |
| CHACRA | 3777 | 2439 | | ☐ | | | |
| UPPER CLIFF HOUSE | 4206 | 2010 | | ☐ | | | |
| MASSIVE CLIFF HOUSE | 4314 | 1902 | | ☐ | | | |
| MENEFEE | 4462 | 1754 | | ☐ | | 140 | |
| POINT LOOKOUT | 5002 | 1214 | | ☐ | 526 | 151 | GAS; Est. BtmPerf - 5152 (1063) TD - 100' below Btm Perf |
| Total Depth | 5252 | 964 | | ☐ | | | 5462' MD: 6-1/4" hole, 4-1/2" , 11.6 ppf, J-55/L-80, LTC casing. Cement with 279 cu ft. Circulate cement a minimum of 100' inside the previous casing string. |

**Reference Wells:**

| Reference Type | Well Name | Comments |
|---|---|---|
| Production | Chokecherry Canyon 1 | 31N 12W 9 SE SE |
| Production | Newberry-A 2 | 31N 12W 9 NE SW |
| Production | Newberry 8-A | 31N 12W 9 NE SW SE |
| Production | Chokecherry Canyon 1M | 31N 12W 9 S2 SE NE |

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ConocoPhillips

# PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

NEWBERRY 3B DEVELOPMENT

**Logging Program:**

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

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

Cased Hole GR / CBL

Additional Information:

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

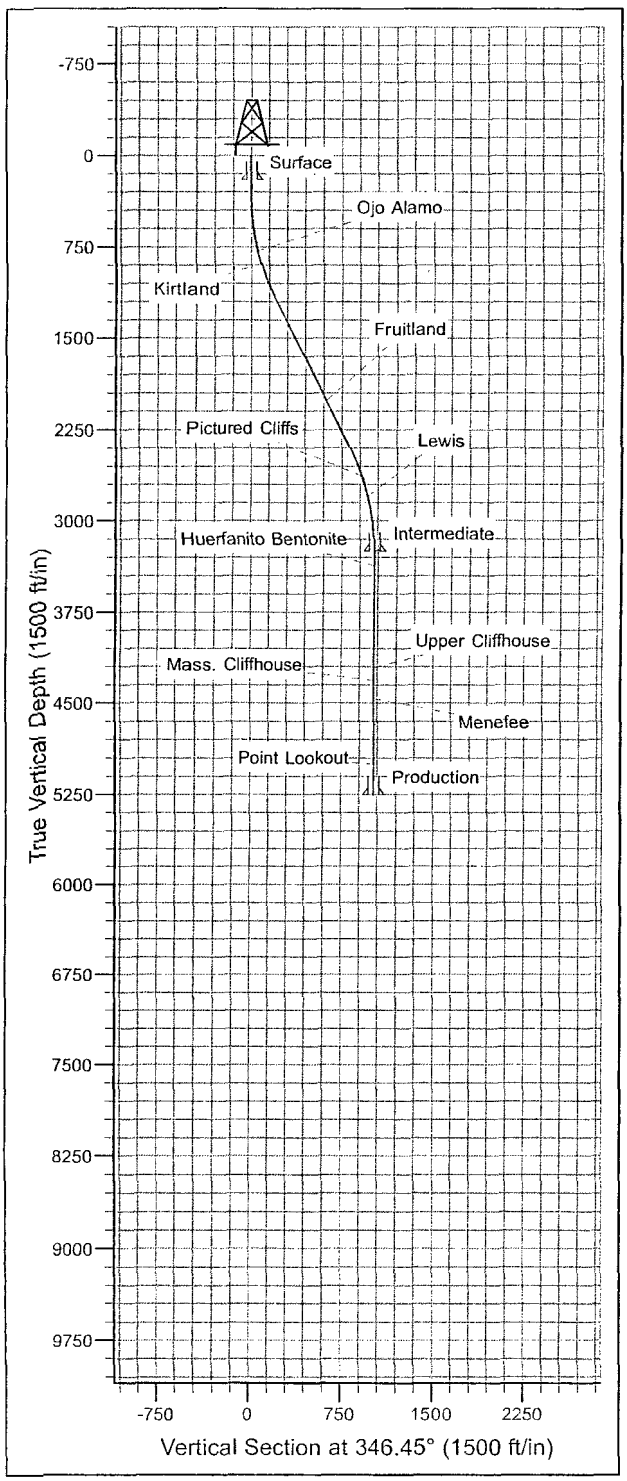
| REFERENCE INFORMATION | |
|---|---|
| RKB @ 6216.0ft (Original Well Elev) | |
| Ground Elevation 6201.0 | |
| Reference Lat: 36° 54' 32.007 N | |
| Reference Long: 108° 5' 50.098 W | |

Project: San Juan Basin - New Mexico West W
Site: Other Named Wells
Well: Newberry #8B
ellbore: Principal Wellbore
Design: Plan #1

ConocoPhillips

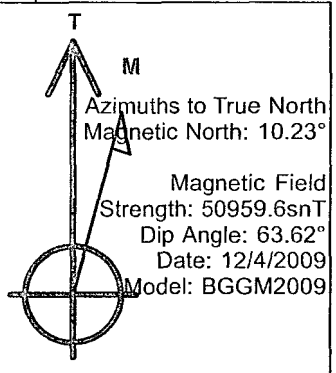
## SECTION DETAILS

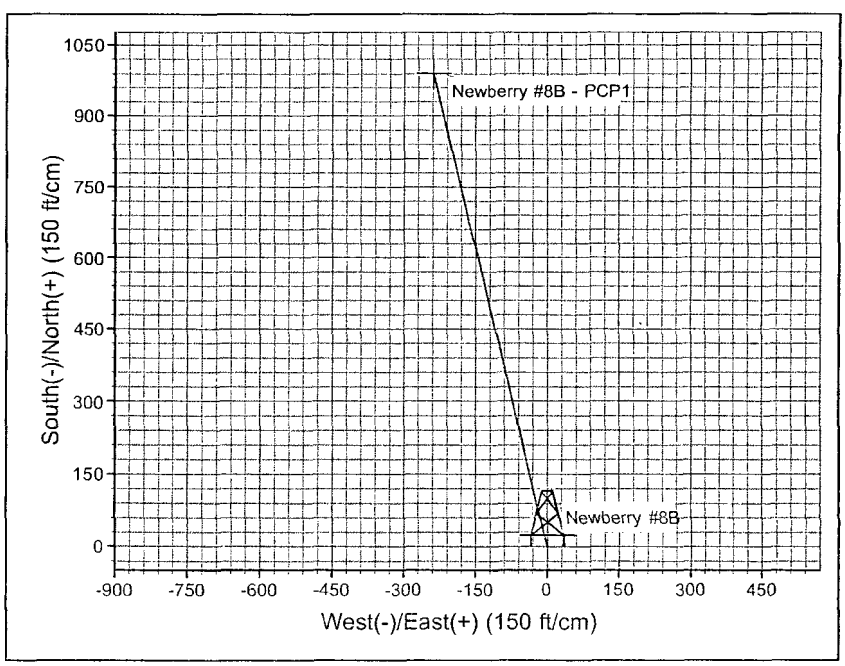
| Sec | MD | Inc | Azi | TVD | +N/-S | +E/-W | DLeg | TFace | VSec | Target |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 2 | 320.0 | 0.00 | 0.00 | 320.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 3 | 1212.3 | 26.77 | 346.45 | 1180.2 | 199.0 | -47.9 | 3.00 | 346.45 | 204.7 | |
| 4 | 2567.1 | 26.77 | 346.45 | 2389.8 | 792.2 | -190.9 | 0.00 | 0.00 | 814.9 | |
| 5 | 3459.4 | 0.00 | 0.00 | 3250.0 | 991.2 | -238.8 | 3.00 | 180.00 | 1019.6 | Newberry #8B - ICP1 |
| 6 | 5462.4 | 0.00 | 0.00 | 5253.0 | 991.2 | -238.8 | 0.00 | 0.00 | 1019.6 | Newberry #8B - PCP1 |




## FORMATION TOP DETAILS

| TVDPath | MDPath | Formation |
|---|---|---|
| 782.0 | 786.6 | Ojo Alamo |
| 882.0 | 890.4 | Kirtland |
| 2010.0 | 2141.7 | Fruitland |
| 2632.0 | 2830.1 | Pictured Cliffs |
| 2795.0 | 3000.0 | Lewis |
| 3368.0 | 3577.4 | Huerfanito Bentonite |
| 3777.0 | 3986.4 | Chacra |
| 4206.0 | 4415.4 | Upper Cliffhouse |
| 4314.0 | 4523.4 | Mass. Cliffhouse |
| 4462.0 | 4671.4 | Menefee |
| 5002.0 | 5211.4 | Point Lookout |



# ConocoPhillips SJBU

**San Juan Basin - New Mexico West Wells**
**Other Named Wells**
**Newberry #8B**

**Principal Wellbore**

**Plan: Plan #1**

# Standard Planning Report

**25 January, 2011**

# ConocoPhillips or its affiliates

Planning Report

| | | | |
|---|---|---|---|
| Database: | EDM Central Planning | Local Co-ordinate Reference: | Well Newberry #8B |
| Company: | ConocoPhillips SJBU | TVD Reference: | RKB @ 6216.0ft (Original Well Elev) |
| Project: | San Juan Basin - New Mexico West Wells | MD Reference: | RKB @ 6216.0ft (Original Well Elev) |
| Site: | Other Named Wells | North Reference: | True |
| Well: | Newberry #8B | 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: | | Northing: | 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** Newberry #8B

| | | | | | | |
|---|---|---|---|---|---|---|
| Well Position | +N/-S | 0.0 ft | Northing: | 2,150,207.42 ft | Latitude: | 36° 54' 32.007 N |
| | +E/-W | 0.0 ft | Easting: | 422,840.58 ft | Longitude: | 108° 5' 50.098 W |
| Position Uncertainty | | 15.0 ft | Wellhead Elevation: | ft | Ground Level: | 6,201.0 ft |

**Wellbore** Principal Wellbore

| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
|---|---|---|---|---|---|
| | BGGM2009 | 12/4/2009 | 10.23 | 63.62 | 50,960 |

**Design** Plan #1

Audit Notes:

| | | | | | |
|---|---|---|---|---|---|
| Version: | | Phase: | PROTOTYPE | Tie On Depth: | 0.0 |

| Vertical Section: | Depth From (TVD) (ft) | +N/-S (ft) | +E/-W (ft) | Direction (°) |
|---|---|---|---|---|
| | 0.0 | 0.0 | 0.0 | 346.45 |

**Plan Sections**

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) | TFO (°) | Target |
|---|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 320.0 | 0.00 | 0.00 | 320.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1,212.3 | 26.77 | 346.45 | 1,180.2 | 199.0 | -47.9 | 3.00 | 3.00 | 0.00 | 346.45 | |
| 2,567.1 | 26.77 | 346.45 | 2,389.8 | 792.2 | -190.9 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3,459.4 | 0.00 | 0.00 | 3,250.0 | 991.2 | -238.8 | 3.00 | -3.00 | 0.00 | 180.00 | Newberry #8B - ICP1 |
| 5,462.4 | 0.00 | 0.00 | 5,253.0 | 991.2 | -238.8 | 0.00 | 0.00 | 0.00 | 0.00 | Newberry #8B - PCP1 |

| | | | |
|---|---|---|---|
| Database: | EDM Central Planning | Local Co-ordinate Reference: | Well Newberry #8B |
| Company: | ConocoPhillips SJBU | TVD Reference: | RKB @ 6216.0ft (Original Well Elev) |
| Project: | San Juan Basin - New Mexico West Wells | MD Reference: | RKB @ 6216.0ft (Original Well Elev) |
| Site: | Other Named Wells | North Reference: | True |
| Well: | Newberry #8B | 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 |
| **Surface** | | | | | | | | | |
| 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 |
| 400.0 | 2.40 | 346.45 | 400.0 | 1.6 | -0.4 | 1.7 | 3.00 | 3.00 | 0.00 |
| 500.0 | 5.40 | 346.45 | 499.7 | 8.2 | -2.0 | 8.5 | 3.00 | 3.00 | 0.00 |
| 600.0 | 8.40 | 346.45 | 599.0 | 19.9 | -4.8 | 20.5 | 3.00 | 3.00 | 0.00 |
| 700.0 | 11.40 | 346.45 | 697.5 | 36.6 | -8.8 | 37.7 | 3.00 | 3.00 | 0.00 |
| 786.6 | 14.00 | 346.45 | 782.0 | 55.1 | -13.3 | 56.7 | 3.00 | 3.00 | 0.00 |
| **Ojo Alamo** | | | | | | | | | |
| 800.0 | 14.40 | 346.45 | 795.0 | 58.3 | -14.1 | 60.0 | 3.00 | 3.00 | 0.00 |
| 890.4 | 17.11 | 346.45 | 882.0 | 82.2 | -19.8 | 84.6 | 3.00 | 3.00 | 0.00 |
| **Kirtland** | | | | | | | | | |
| 900.0 | 17.40 | 346.45 | 891.1 | 85.0 | -20.5 | 87.4 | 3.00 | 3.00 | 0.00 |
| 1,000.0 | 20.40 | 346.45 | 985.7 | 116.4 | -28.1 | 119.8 | 3.00 | 3.00 | 0.00 |
| 1,100.0 | 23.40 | 346.45 | 1,078.5 | 152.7 | -36.8 | 157.1 | 3.00 | 3.00 | 0.00 |
| 1,200.0 | 26.40 | 346.45 | 1,169.2 | 193.6 | -46.7 | 199.2 | 3.00 | 3.00 | 0.00 |
| 1,212.3 | 26.77 | 346.45 | 1,180.2 | 199.0 | -47.9 | 204.7 | 3.00 | 3.00 | 0.00 |
| 1,300.0 | 26.77 | 346.45 | 1,258.5 | 237.4 | -57.2 | 244.2 | 0.00 | 0.00 | 0.00 |
| 1,400.0 | 26.77 | 346.45 | 1,347.8 | 281.2 | -67.7 | 289.2 | 0.00 | 0.00 | 0.00 |
| 1,500.0 | 26.77 | 346.45 | 1,437.1 | 325.0 | -78.3 | 334.3 | 0.00 | 0.00 | 0.00 |
| 1,600.0 | 26.77 | 346.45 | 1,526.3 | 368.8 | -88.8 | 379.3 | 0.00 | 0.00 | 0.00 |
| 1,700.0 | 26.77 | 346.45 | 1,615.6 | 412.5 | -99.4 | 424.3 | 0.00 | 0.00 | 0.00 |
| 1,800.0 | 26.77 | 346.45 | 1,704.9 | 456.3 | -109.9 | 469.4 | 0.00 | 0.00 | 0.00 |
| 1,900.0 | 26.77 | 346.45 | 1,794.2 | 500.1 | -120.5 | 514.4 | 0.00 | 0.00 | 0.00 |
| 2,000.0 | 26.77 | 346.45 | 1,883.5 | 543.9 | -131.0 | 559.5 | 0.00 | 0.00 | 0.00 |
| 2,100.0 | 26.77 | 346.45 | 1,972.7 | 587.7 | -141.6 | 604.5 | 0.00 | 0.00 | 0.00 |
| 2,141.7 | 26.77 | 346.45 | 2,010.0 | 606.0 | -146.0 | 623.3 | 0.00 | 0.00 | 0.00 |
| **Fruitland** | | | | | | | | | |
| 2,200.0 | 26.77 | 346.45 | 2,062.0 | 631.5 | -152.1 | 649.5 | 0.00 | 0.00 | 0.00 |
| 2,300.0 | 26.77 | 346.45 | 2,151.3 | 675.3 | -162.7 | 694.6 | 0.00 | 0.00 | 0.00 |
| 2,400.0 | 26.77 | 346.45 | 2,240.6 | 719.1 | -173.2 | 739.6 | 0.00 | 0.00 | 0.00 |
| 2,500.0 | 26.77 | 346.45 | 2,329.9 | 762.8 | -183.8 | 784.7 | 0.00 | 0.00 | 0.00 |
| 2,567.1 | 26.77 | 346.45 | 2,389.8 | 792.2 | -190.9 | 814.9 | 0.00 | 0.00 | 0.00 |
| 2,600.0 | 25.78 | 346.45 | 2,419.3 | 806.4 | -194.3 | 829.5 | 3.00 | -3.00 | 0.00 |
| 2,700.0 | 22.78 | 346.45 | 2,510.4 | 846.4 | -203.9 | 870.6 | 3.00 | -3.00 | 0.00 |
| 2,800.0 | 19.78 | 346.45 | 2,603.6 | 881.6 | -212.4 | 906.9 | 3.00 | -3.00 | 0.00 |
| 2,830.1 | 18.88 | 346.45 | 2,632.0 | 891.3 | -214.8 | 916.8 | 3.00 | -3.00 | 0.00 |
| **Pictured Cliffs** | | | | | | | | | |
| 2,900.0 | 16.78 | 346.45 | 2,698.5 | 912.1 | -219.8 | 938.2 | 3.00 | -3.00 | 0.00 |
| 3,000.0 | 13.78 | 346.45 | 2,795.0 | 937.8 | -225.9 | 964.6 | 3.00 | -3.00 | 0.00 |
| **Lewis** | | | | | | | | | |
| 3,100.0 | 10.78 | 346.45 | 2,892.7 | 958.4 | -230.9 | 985.9 | 3.00 | -3.00 | 0.00 |
| 3,200.0 | 7.78 | 346.45 | 2,991.4 | 974.1 | -234.7 | 1,002.0 | 3.00 | -3.00 | 0.00 |
| 3,300.0 | 4.78 | 346.45 | 3,090.8 | 984.8 | -237.3 | 1,012.9 | 3.00 | -3.00 | 0.00 |
| 3,400.0 | 1.78 | 346.45 | 3,190.6 | 990.3 | -238.6 | 1,018.7 | 3.00 | -3.00 | 0.00 |
| 3,459.4 | 0.00 | 0.00 | 3,250.0 | 991.2 | -238.8 | 1,019.6 | 3.00 | -3.00 | 22.79 |
| **Intermediate - Newberry #8B - ICP1** | | | | | | | | | |
| 3,500.0 | 0.00 | 0.00 | 3,290.6 | 991.2 | -238.8 | 1,019.6 | 0.00 | 0.00 | 0.00 |
| 3,577.4 | 0.00 | 0.00 | 3,368.0 | 991.2 | -238.8 | 1,019.6 | 0.00 | 0.00 | 0.00 |
| **Huerfanito Bentonite** | | | | | | | | | |

| | | | |
|---|---|---|---|
| Database: | EDM Central Planning | Local Co-ordinate Reference: | Well Newberry #8B |
| Company: | ConocoPhillips SJBU | TVD Reference: | RKB @ 6216.0ft (Original Well Elev) |
| Project: | San Juan Basin - New Mexico West Wells | MD Reference: | RKB @ 6216.0ft (Original Well Elev) |
| Site: | Other Named Wells | North Reference: | True |
| Well: | Newberry #8B | 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) |
|---|---|---|---|---|---|---|---|---|---|
| 3,600.0 | 0.00 | 0.00 | 3,390.6 | 991.2 | -238.8 | 1,019.6 | 0.00 | 0.00 | 0.00 |
| 3,700.0 | 0.00 | 0.00 | 3,490.6 | 991.2 | -238.8 | 1,019.6 | 0.00 | 0.00 | 0.00 |
| 3,800.0 | 0.00 | 0.00 | 3,590.6 | 991.2 | -238.8 | 1,019.6 | 0.00 | 0.00 | 0.00 |
| 3,900.0 | 0.00 | 0.00 | 3,690.6 | 991.2 | -238.8 | 1,019.6 | 0.00 | 0.00 | 0.00 |
| 3,986.4 | 0.00 | 0.00 | 3,777.0 | 991.2 | -238.8 | 1,019.6 | 0.00 | 0.00 | 0.00 |
| **Chacra** | | | | | | | | | |
| 4,000.0 | 0.00 | 0.00 | 3,790.6 | 991.2 | -238.8 | 1,019.6 | 0.00 | 0.00 | 0.00 |
| 4,100.0 | 0.00 | 0.00 | 3,890.6 | 991.2 | -238.8 | 1,019.6 | 0.00 | 0.00 | 0.00 |
| 4,200.0 | 0.00 | 0.00 | 3,990.6 | 991.2 | -238.8 | 1,019.6 | 0.00 | 0.00 | 0.00 |
| 4,300.0 | 0.00 | 0.00 | 4,090.6 | 991.2 | -238.8 | 1,019.6 | 0.00 | 0.00 | 0.00 |
| 4,400.0 | 0.00 | 0.00 | 4,190.6 | 991.2 | -238.8 | 1,019.6 | 0.00 | 0.00 | 0.00 |
| 4,415.4 | 0.00 | 0.00 | 4,206.0 | 991.2 | -238.8 | 1,019.6 | 0.00 | 0.00 | 0.00 |
| **Upper Cliffhouse** | | | | | | | | | |
| 4,500.0 | 0.00 | 0.00 | 4,290.6 | 991.2 | -238.8 | 1,019.6 | 0.00 | 0.00 | 0.00 |
| 4,523.4 | 0.00 | 0.00 | 4,314.0 | 991.2 | -238.8 | 1,019.6 | 0.00 | 0.00 | 0.00 |
| **Mass. Cliffhouse** | | | | | | | | | |
| 4,600.0 | 0.00 | 0.00 | 4,390.6 | 991.2 | -238.8 | 1,019.6 | 0.00 | 0.00 | 0.00 |
| 4,671.4 | 0.00 | 0.00 | 4,462.0 | 991.2 | -238.8 | 1,019.6 | 0.00 | 0.00 | 0.00 |
| **Menefee** | | | | | | | | | |
| 4,700.0 | 0.00 | 0.00 | 4,490.6 | 991.2 | -238.8 | 1,019.6 | 0.00 | 0.00 | 0.00 |
| 4,800.0 | 0.00 | 0.00 | 4,590.6 | 991.2 | -238.8 | 1,019.6 | 0.00 | 0.00 | 0.00 |
| 4,900.0 | 0.00 | 0.00 | 4,690.6 | 991.2 | -238.8 | 1,019.6 | 0.00 | 0.00 | 0.00 |
| 5,000.0 | 0.00 | 0.00 | 4,790.6 | 991.2 | -238.8 | 1,019.6 | 0.00 | 0.00 | 0.00 |
| 5,100.0 | 0.00 | 0.00 | 4,890.6 | 991.2 | -238.8 | 1,019.6 | 0.00 | 0.00 | 0.00 |
| 5,200.0 | 0.00 | 0.00 | 4,990.6 | 991.2 | -238.8 | 1,019.6 | 0.00 | 0.00 | 0.00 |
| 5,211.4 | 0.00 | 0.00 | 5,002.0 | 991.2 | -238.8 | 1,019.6 | 0.00 | 0.00 | 0.00 |
| **Point Lookout** | | | | | | | | | |
| 5,300.0 | 0.00 | 0.00 | 5,090.6 | 991.2 | -238.8 | 1,019.6 | 0.00 | 0.00 | 0.00 |
| 5,400.0 | 0.00 | 0.00 | 5,190.6 | 991.2 | -238.8 | 1,019.6 | 0.00 | 0.00 | 0.00 |
| 5,462.4 | 0.00 | 0.00 | 5,253.0 | 991.2 | -238.8 | 1,019.6 | 0.00 | 0.00 | 0.00 |
| **Production - Newberry #8B - PCP1** | | | | | | | | | |

Targets

| Target Name - hit/miss target - Shape | Dip Angle (°) | Dip Dir. (°) | TVD (ft) | +N/-S (ft) | +E/-W (ft) | Northing (ft) | Easting (ft) | Latitude | Longitude |
|---|---|---|---|---|---|---|---|---|---|
| Newberry #8B - PCP1<br>- plan hits target center<br>- Point | 0.00 | 0.00 | 5,253.0 | 991.2 | -238.8 | 2,151,199.20 | 422,604.54 | 36° 54' 41.808 N | 108° 5' 53.038 W |
| Newberry #8B - ICP1<br>- plan hits target center<br>- Point | 0.00 | 0.00 | 3,250.0 | 991.2 | -238.8 | 2,151,199.22 | 422,604.52 | 36° 54' 41.808 N | 108° 5' 53.038 W |

| | | | |
|---|---|---|---|
| Database: | EDM Central Planning | Local Co-ordinate Reference: | Well Newberry #8B |
| Company: | ConocoPhillips SJBU | TVD Reference: | RKB @ 6216.0ft (Original Well Elev) |
| Project: | San Juan Basin - New Mexico West Wells | MD Reference: | RKB @ 6216.0ft (Original Well Elev) |
| Site: | Other Named Wells | North Reference: | True |
| Well: | Newberry #8B | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Principal Wellbore | | |
| Design: | Plan #1 | | |

**Casing Points**

| Measured Depth (ft) | Vertical Depth (ft) | Name | Casing Diameter (") | Hole Diameter (") |
|---|---|---|---|---|
| 200.0 | 200.0 | Surface | 9-5/8 | 12-1/4 |
| 5,462.4 | 5,253.0 | Production | 4-1/2 | 6-1/4 |
| 3,459.4 | 3,250.0 | Intermediate | 7 | 8-3/4 |

**Formations**

| Measured Depth (ft) | Vertical Depth (ft) | Name | Lithology | Dip (°) | Dip Direction (°) |
|---|---|---|---|---|---|
| 5,211.4 | 5,002.0 | Point Lookout | | 0.00 | |
| 4,671.4 | 4,462.0 | Menefee | | 0.00 | |
| 786.6 | 782.0 | Ojo Alamo | | 0.00 | |
| 3,000.0 | 2,795.0 | Lewis | | 0.00 | |
| 3,577.4 | 3,368.0 | Huerfanito Bentonite | | 0.00 | |
| 890.4 | 882.0 | Kirtland | | 0.00 | |
| 3,986.4 | 3,777.0 | Chacra | | 0.00 | |
| 4,415.4 | 4,206.0 | Upper Cliffhouse | | 0.00 | |
| 2,141.7 | 2,010.0 | Fruitland | | 0.00 | |
| 4,523.4 | 4,314.0 | Mass. Cliffhouse | | 0.00 | |
| 2,830.1 | 2,632.0 | Pictured Cliffs | | 0.00 | |