

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK JUN 29 2009

| | | |
|--|---|-----------------|
| 1a. Type of Work DRILL | 5. Lease Number SF-079382 Unit Reporting Number | |
| 1b. Type of Well GAS | 6. If Indian, All. or Tribe | |
| 2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP | 7. Unit Agreement Name San Juan 30-6 Unit | |
| 3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700 | 8. Farm or Lease Name DIST. 3 | |
| 4. Location of Well Surf: Unit C (NENW), 820' FNL & 1520' FWL Bottomhole: Unit F (SENW), 2055' FNL & 1905' FWL Surf: Latitude: 36.78860° N (NAD83) Longitude: 107.52614° W Bottomhole: Latitude: 36.78521° N (NAD83) Longitude: 107.52481° W | 9. Well Number 147M 10. Field, Pool, Wildcat Basin DK/Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 25, T30N, R7W API # 30-039-30788 | |
| 14. Distance in Miles from Nearest Town 12 miles/Navajo City | 12. County Rio Arriba | 13. State NM |
| 15. Distance from Proposed Location to Nearest Property or Lease Line 820' | | |
| 16. Acres in Lease 2080.00 | 17. Acres Assigned to Well MV/DK 320 (W/2) | |
| 18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 50' from San Juan 30-6 Unit 79A | | |
| 19. Proposed Depth 7619' | 20. Rotary or Cable Tools Rotary | |
| 21. Elevations (DF, FT, GR, Etc.) 6191' GL | 22. Approx. Date Work will Start | |
| 23. Proposed Casing and Cementing Program See Operations Plan 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 | |
| 24. Authorized by: <i>Tracey N. Monroe</i> Tracey N. Monroe (Staff Regulatory Technician) | Date <i>6/29/09</i> | |

PERMIT NO.

APPROVAL DATE

APPROVED BY *B. M. Montoya*

TITLE *ATM*

DATE *7/13/09*

Archaeological Report attached

Threatened and Endangered Species Report attached

NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or presentations as to any matter within its jurisdiction.

Example Master Plan Type 3

Bond Numbers NMB-000015 and NMB-000089

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS".

Hold C104
for Directional Survey
and "As Drilled" plat

NMOCD

This action is subject to technical and
procedural review pursuant to 43 CFR 3165.6
and appeal pursuant to 43 CFR 3165.4

NOTIFY AZTEC OCD 24 HRS.

PRIOR TO CASING & CEMENT

JUL 27 2009

W

PC

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
Santa Fe, NM 87505

RECEIVED

JUN 29 2009

Form C-102
Revised October 12, 2005
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

Bureau of Land Management
Farming Field Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | | |
|------------------------------|---|-----------------------------|---|
| *API Number 30-039- 30788 | | *Pool Code 72319 / 71599 | *Pool Name BLANCO MESAVERDE / BASIN DAKOTA |
| *Property Code 7469 | *Property Name SAN JUAN 30-6 UNIT | | *Well Number 147M |
| *OGRID No. 14538 | *Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP | | *Elevation 6191' |

¹⁰ Surface Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|------------|
| C | 25 | 30N | 7W | | 820 | NORTH | 1520 | WEST | RIO ARRIBA |

¹¹ Bottom Hole Location If Different From Surface

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|------------|
| F | 25 | 30N | 7W | | 2055 | NORTH | 1905 | WEST | RIO ARRIBA |

| | | | | |
|-------------------------------|------------------------|-------------------------------|----------------------------------|-------------------------|
| ¹² Dedicated Acres | 320.0 Acres - W/2 (MV) | ¹³ Joint or Infill | ¹⁴ Consolidation Code | ¹⁵ Order No. |
| | 320.0 Acres - W/2 (DK) | | | |

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

| | |
|--|--|
| <div>16</div> <div><p>SURFACE LOCATION LAT. 36°47.3159' N LONG. 107°31.5319' W DATUM : NAD1927</p><p>BOTTOM HOLE LAT. 36°47.1123' N LONG. 107°31.4523' W DATUM : NAD1927</p><p>LAT. 36.78860° N LONG. 107.52614° W DATUM : NAD1983</p><p>LAT. 36.78521° N LONG. 107.52481° W DATUM : NAD1983</p><p>LEASE USA SF-079382</p></div> | <div>17 OPERATOR CERTIFICATION</div> <p>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.</p> <p><i>Crystal Tafoya</i> 2/6/09 Signature Date Crystal Tafoya 2-6-09 Printed Name</p> <div>18 SURVEYOR CERTIFICATION</div> <p>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</p> <p>Survey Date: JANUARY 13, 2009</p> <p>Signature and Seal of Professional Surveyor</p> <div><p>JASON C. EDWARDS NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR 15269</p></div> <p>JASON C. EDWARDS Certificate Number 15269</p> |
|--|--|

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 30-6 UNIT 147M

DEVELOPMENT

| | | | | | | | |
|---|---------------------------------|-----------------------------|--------------------------|-------------------|--------------------|---|--------|
| Lease: | | AFE #: WAN.CDR.8482 | | | | AFE \$: 1,208,663.61 | |
| Field Name: SAN JUAN | | Rig: Aztec Rig 711 | | State: NM | County: RIO ARRIBA | | API #: |
| Geologist: | | Phone: | | Geophysicist: | | Phone: | |
| Geoscientist: | | Phone: | | Prod. Engineer: | | Phone: | |
| Res. Engineer: | | Phone: | | Proj. Field Lead: | | Phone: | |
| Primary Objective (Zones): | | | | | | | |
| Zone | Zone Name | | | | | | |
| FRR | BASIN DAKOTA (PRORATED GAS) | | | | | | |
| RON | BLANCO MESAVERDE (PRORATED GAS) | | | | | | |
| | | | | | | | |
| Location: Surface Datum Code: NAD 27 Directional | | | | | | | |
| Latitude: 36.788594 | Longitude: -107.525534 | X: | Y: | Section: 25 | Range: 007W | | |
| Footage X: 1520 FWL | Footage Y: 820 FNL | Elevation: 6191 | (FT) | Township: 030N | | | |
| Tolerance: | | | | | | | |
| Location: Directional Datum Code: NAD 27 Directional | | | | | | | |
| Latitude: 36.785204 | Longitude: -107.524204 | X: | Y: | Section: 25 | Range: 007W | | |
| Footage X: 1905 FWL | Footage Y: 2055 FNL | Elevation: | (FT) | Township: 030N | | | |
| Tolerance: | | | | | | | |
| Location Type: Year Round | | Start Date (Est.): 1/1/2010 | | Completion Date: | | Date In Operation: | |
| Formation Data: Assume KB = 6206 | | Units = FT | | | | | |
| Formation Call & Casing Points | Depth (TVD in Ft) | SS (Ft) | Depletion (Yes/No) | BHP (PSIG) | BHT | Remarks | |
| Surface Casing | 199 | 6007 | <input type="checkbox"/> | | | 12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 159 cuft. Circulate cement to surface. | |
| OJO ALAMO | 2123 | 4083 | <input type="checkbox"/> | | | | |
| KIRTLAND | 2252 | 3954 | <input type="checkbox"/> | | | | |
| FRUITLAND | 2670 | 3536 | <input type="checkbox"/> | | | Possible Gas | |
| PICTURED CLIFFS | 3124 | 3082 | <input type="checkbox"/> | | | | |
| LEWIS | 3250 | 2956 | <input type="checkbox"/> | | | | |
| HUERFANITO BENTONITE | 3812 | 2394 | <input type="checkbox"/> | | | | |
| Intermediate Casing | 4000 | 2206 | <input type="checkbox"/> | | | 8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 955 cuft. Circulate cement to surface. | |
| CHACRA | 4145 | 2061 | <input type="checkbox"/> | | | | |
| MASSIVE CLIFF HOUSE | 4965 | 1241 | <input type="checkbox"/> | 350 | | Gas | |
| MENEFEE | 5020 | 1186 | <input type="checkbox"/> | | | | |
| POINT LOOKOUT | 5342 | 864 | <input type="checkbox"/> | | | | |
| MANCOS | 5677 | 529 | <input type="checkbox"/> | | | | |
| UPPER GALLUP | 6598 | -392 | <input type="checkbox"/> | | | | |
| GREENHORN | 7346 | -1140 | <input type="checkbox"/> | | | | |
| GRANEROS | 7400 | -1194 | <input type="checkbox"/> | | | | |
| TWO WELLS | 7482 | -1276 | <input type="checkbox"/> | 3420 | | Gas | |
| PAGUATE | 7526 | -1320 | <input type="checkbox"/> | | | | |
| UPPER CUBERO | 7536 | -1330 | <input type="checkbox"/> | | | | |
| LOWER CUBERO | 7572 | -1366 | <input type="checkbox"/> | | | Bottom perf 20' off bottom. | |
| ENCINAL | 7589 | -1383 | <input type="checkbox"/> | | | TD 10' into Encinal unless recent offsets successful in Encinal. | |

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 30-6 UNIT 147M

DEVELOPMENT

Total Depth 7619 -1413 ☐ 6-1/4" hole, 4-1/2" 10.5/11.6 ppf, J-55, STC/LTC casing.
Cement w/ 494 cuft. Circulate cement a minimum of 100' inside the previous casing string.

| Reference Wells: | | |
|------------------|-----------|-----------|
| Reference Type | Well Name | Comments |
| Production | 129 | SE25 30-7 |
| Production | 96B | NE26 30-7 |
| Production | 76A | SE24 30-7 |

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

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

No OH logs required. Mudlog from 100' above Greenhorn to TD - loggers will call TD.

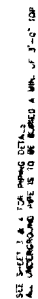
| Additional Information: | | | | | |
|-------------------------|-------|-----------|---------|----------------|---------|
| Log Type | Stage | From (Ft) | To (Ft) | Tool Type/Name | Remarks |

ConocoPhillips or its affiliates
Planning Report

Database: EDM Central Planning
Company: ConocoPhillips SJBU
Project: San Juan Basin - New Mexico Wells
Site: San Juan 30 Wells
Well: SJ 30-6 #147M
Wellbore: SJ 30-6 #147M
Design: Plan #1

Local Co-ordinate Reference: Well SJ 30-6 #147M
TVD Reference: RKB @ 6206.0ft (Original Well Elev)
MD Reference: RKB @ 6206.0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature

| Formations | | | | | | |
|---------------------------|---------------------------|-----------------------|-----------|------------|-------------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Name | Lithology | Dip (°) | Dip Direction (°) | |
| 4,414.2 | 4,145.0 | Chacra | | 0.00 | | |
| 5,611.2 | 5,342.0 | Massive Point Lookout | | 0.00 | | |
| 2,234.5 | 2,123.0 | Ojo Alamo | | 0.00 | | |
| 7,669.2 | 7,400.0 | Graneros | | 0.00 | | |
| 7,805.2 | 7,536.0 | Upper Cubero | | 0.00 | | |
| 7,858.2 | 7,589.0 | Encinal | | 0.00 | | |
| 6,867.2 | 6,598.0 | Upper Gallup | | 0.00 | | |
| 3,359.2 | 3,124.0 | Pictured Cliffs | | 0.00 | | |
| 7,751.2 | 7,482.0 | Two Wells | | 0.00 | | |
| 2,379.4 | 2,252.0 | Kirtland | | 0.00 | | |
| 3,498.5 | 3,250.0 | Lewis | | 0.00 | | |
| 7,795.2 | 7,526.0 | Paguate | | 0.00 | | |
| 5,234.2 | 4,965.0 | Massive Cliffhouse | | 0.00 | | |
| 5,946.2 | 5,677.0 | Mancos | | 0.00 | | |
| 4,080.9 | 3,812.0 | Huerfano Bentonite | | 0.00 | | |
| 5,289.2 | 5,020.0 | Menefee | | 0.00 | | |
| 7,841.2 | 7,572.0 | Lower Cubero | | 0.00 | | |
| 2,849.1 | 2,670.0 | Fruitland | | 0.00 | | |
| 7,615.2 | 7,346.0 | Greenhorn | | 0.00 | | |



Sheet : 5 of 5

[illegible]

Directions from the Intersection of US Hwy 550 & State Hwy 64 in Bloomfield, NM
to Burlington Resources Oil & Gas Company San Juan 30-6 Unit #147M
820' FNL & 1520' FWL, Section 25, T30N, R7W, N.M.P.M., Rio Arriba County, NM

Latitude : 36.78860°N Longitude : 107.52614°W Datum : NAD1983

From the intersection of US Hwy 550 & State Hwy 64 in Bloomfield, NM, travel Easterly on State Hwy 64 for 24.0 miles to State Highway 539;

Go left (North-easterly) on State Highway 539 for 3.9 miles;

Go right (North-easterly) on DeLasso Loos Road for 6.8 miles to State Highway 527 (Sims Highway);

Go right (South-easterly) on State Highway 527 for 0.3 miles to fork in road;

Go right (Southerly) for 0.3 miles to fork in road;

Go right (North-westerly) for 0.1 miles to staked location which overlaps an existing wellpad.