

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RCVD NOV 25 '08

OIL CONS. DIV.
DIST. 3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

| | | |
|---|---|--|
| 1a. Type of Work DRILL | RECEIVED FEB 25 2008 Bureau of Land Management Farmington Field Office | 5. Lease Number SF-080675 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 27-4 Unit |
| 3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700 | | 8. Farm or Lease Name 9. Well Number #57P |
| 4. Location of Well Surf: Unit F (SENW), 1432' FNL & 1983' FWL Surf: Latitude 36.5475528° N Longitude 107.2582500° W | | 10. Field, Pool, Wildcat Basin Dakota/Blanco Mesaverde 11. Sec., Twn, Rge, Mer. (NMPM) F Sec. 28, T27N, R4W API # 30-039-30494 |
| 14. Distance in Miles from Nearest Town 44.2 miles/Blanco | 12. County Rio Arriba | 13. State NM |
| 15. Distance from Proposed Location to Nearest Property or Lease Line 1432' | | |
| 16. Acres in Lease 2400 Acres | 17. Acres Assigned to Well 320 Acres (W/2) | |
| 18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 1070' from SJ 27-4 Unit #57M | | |
| 19. Proposed Depth 8197' | 20. Rotary or Cable Tools Rotary | |
| 21. Elevations (DF, FT, GR, Etc.) 6904' GR | 22. Approx. Date Work will Start | |
| 23. Proposed Casing and Cementing Program See Operations Plan attached | | |
| 24. Authorized by: <u>Crystal Walker</u> Crystal Walker (Regulatory Technician) | <u>2/25/08</u> Date | |

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

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

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

HOLD C104 FOR

NMOCD

27-4#35C
11/26

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

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

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

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

Fee Lease - 3 Copies
State Lease - 7 Copies
Submit to Appropriate District Office
Revised June 10, 2003
Form C-102

☐ AMENDED REPORT**WELL LOCATION AND ACREAGE DEDICATION PLAT**

| | | |
|---|---|---|
| ¹ API Number 30-039- 30494 | ² Pool Code 71599/72319 | ³ Pool Name <i>Basin</i> DAKOTA / MESAVERDE |
| ⁴ Property Code 7452 | ⁵ Property Name SAN JUAN 27-4 | ⁶ Well Number 57P |
| ⁷ OGRID No. 14538 | ⁸ Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP | ⁹ Elevation 6,904' |

¹⁰ SURFACE LOCATION

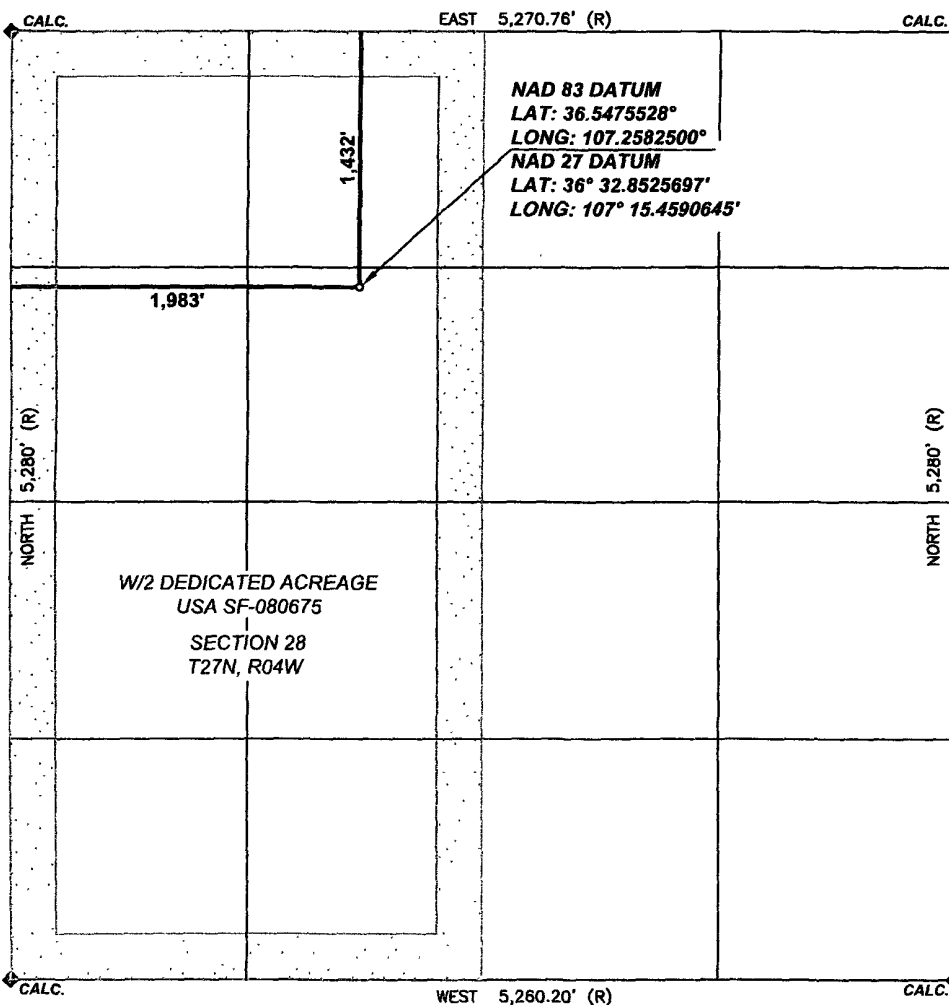
| | | | | | | | | | |
|--------------------|---------------|------------------|---------------|---------|-----------------------|---------------------------|-----------------------|------------------------|----------------------|
| UL or lot no. F | Section 28 | Township 27-N | Range 04-W | Lot Idn | Feet from the 1432 | North/South line NORTH | Feet from the 1983 | East/West line WEST | County RIO ARriba |
|--------------------|---------------|------------------|---------------|---------|-----------------------|---------------------------|-----------------------|------------------------|----------------------|

¹¹ Bottom Hole Location If Different From Surface

| | | | | | | | | | |
|---|-------------------------------|----------------------------------|-------------------------|---------|---------------|------------------|---------------|----------------|--------|
| UL or lot no. F | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
| ¹² Dedicated Acres 320 W2 | ¹³ Joint or Infill | ¹⁴ Consolidation Code | ¹⁵ 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

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**¹⁷ OPERATOR CERTIFICATION**

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Rhonda Rogers
Signature

Rhonda Rogers
Printed Name

Regulatory Technician
Title and E-mail Address

November 1 2006
Date

¹⁸ SURVEYOR CERTIFICATION

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

Date of Survey: 10/04/06

Signature and Seal of Professional Surveyor:



Certificate Number: NM 11393

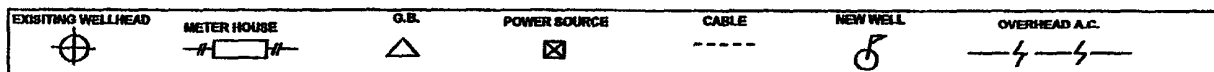
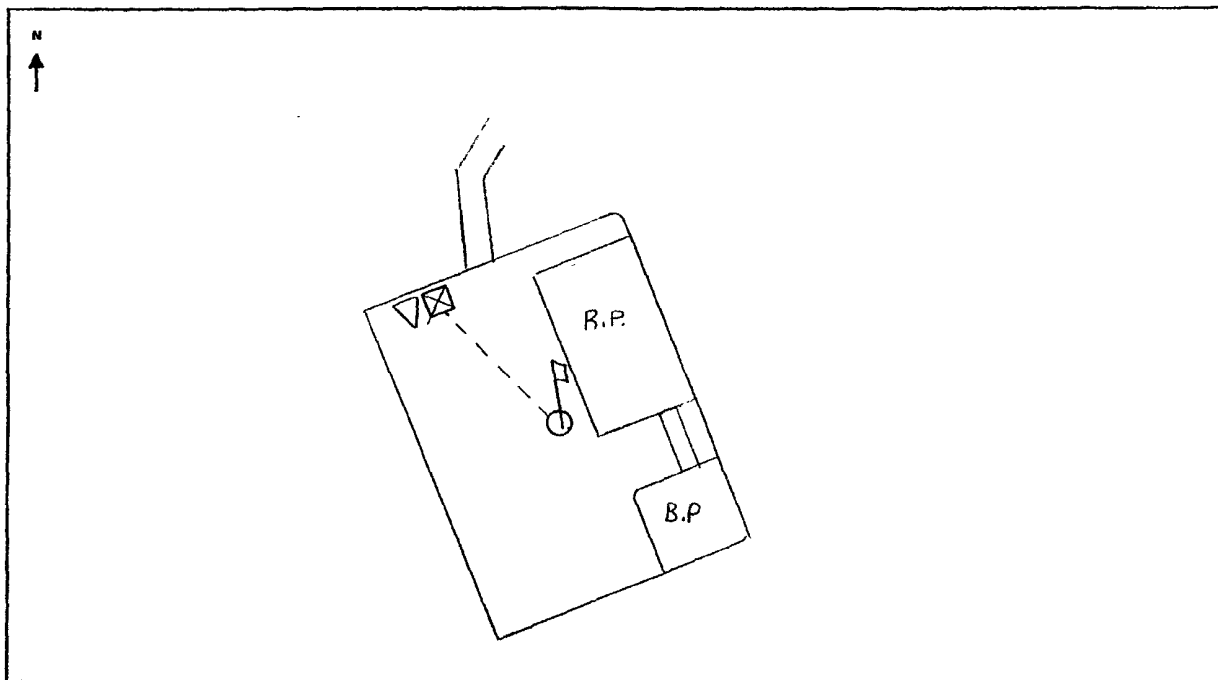


TECHNICAL SERVICES
A CORROSION COMPANY

CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME S.J. 27-4 #57P LEGALS F-28-27-4 COUNTY Rio Arriba

PURPOSED C.P. SYSTEM: Drill G.R. and set solar on NW corner of location Trench approx. 250' of #8 neg. cable from solar to well head.



COMMENTS: use solar in forest areas

NEAREST POWER SOURCE N/A DISTANCE: N/A

PIPELINES IN AREA: N/A

TECHNICIAN: Rich. L. Hengst DATE: 9/22/06

6 CR 5412 BLOOMFIELD, N.M. 87413
OFFICE: 505-634-0271 CELL: 505-793-6953

PROJECT PROPOSAL - New Drill / Sidetrack

SAN JUAN 27-4 UNIT 57P

DEVELOPMENT

| | | | | | |
|---|---------------------------------|-----------------------------|--------------------------|--------------------|--------------------|
| Lease: | | AFE #: WAN.ZA2.7204/7205MV | | AFE \$: | |
| Field Name: hBR_SAN JUAN 27-4 UNIT | | Rig: XXX Deferred PDT | | State: NM | County: RIO ARRIBA |
| Geologist: | | Phone: | | Geophysicist: | |
| Geoscientist: Head, Chip F | | Phone: 505-326-9772 | | Prod. Engineer: | |
| Res. Engineer: Prabowo, Wahyu | | Phone: 505-326-9797 | | Proj. Field Lead: | |
| Primary Objective (Zones): | | | | | |
| Zone | Zone Name | | | | |
| RON | BLANCO MESAVERDE (PRORATED GAS) | | | | |
| R20076 | DAKOTA(R20076) | | | | |
| Location: Surface Datum Code: NAD 27 | | | | | |
| Latitude: 36.547543 | Longitude: -107.257651 | X: | Y: | Section: 28 | Range: 004W |
| Footage X: 1983 FWL | Footage Y: 1432 FNL | Elevation: 6904 (FT) | Township: 027N | | |
| Tolerance: | | | | | |
| Location Type: Restricted | | Start Date (Est.): 1/1/2020 | | Completion Date: | |
| | | | | Date In Operation: | |
| Formation Data: Assume KB = 6918 Units = FT | | | | | |
| Formation Call & Casing Points | Depth (TVD in Ft) | SS (Ft) | Depletion (Yes/No) | BHP (PSIG) | BHT |
| Surface Casing | 200 | 6718 | <input type="checkbox"/> | | |
| OJAM | 3187 | 3731 | <input type="checkbox"/> | | |
| KRLD | 3347 | 3571 | <input type="checkbox"/> | | |
| FRLD | 3394 | 3524 | <input type="checkbox"/> | | |
| PCCF | 3745 | 3173 | <input type="checkbox"/> | | |
| LEWS | 3865 | 3053 | <input type="checkbox"/> | | |
| Intermediate Casing | 3965 | 2953 | <input type="checkbox"/> | | |
| HURF | 4245 | 2673 | <input type="checkbox"/> | | |
| CHRA | 4729 | 2189 | <input type="checkbox"/> | | |
| UCLFH | 5344 | 1574 | <input type="checkbox"/> | | |
| CLFH | 5465 | 1453 | <input type="checkbox"/> | | |
| MENF | 5602 | 1316 | <input type="checkbox"/> | | |
| PTLK | 5903 | 1015 | <input type="checkbox"/> | 800 | |
| MNCS | 6437 | 481 | <input type="checkbox"/> | | |
| GLLP | 7073 | -155 | <input type="checkbox"/> | | |
| GRHN | 7868 | -950 | <input type="checkbox"/> | 1400 | |
| GRRS | 7929 | -1011 | <input type="checkbox"/> | | |
| TWLS | 7952 | -1034 | <input type="checkbox"/> | | |
| CBBO | 8081 | -1163 | <input type="checkbox"/> | | |
| CBRL | 8126 | -1208 | <input type="checkbox"/> | | |
| OKCN | 8182 | -1264 | <input type="checkbox"/> | | |
| TD | 8197 | -1279 | <input type="checkbox"/> | | |
| ENCINAL | 8202 | -1284 | <input type="checkbox"/> | | |
| Reference Wells: | | | | | |

12-1/4" hole. 9-5/8", 32.3 ppf, H-40, ST&C casing. Cement with 171 cu. ft. Circulate cement to surface.

Possible water flows.

Possible gas.

8-3/4" hole. 7", 20 ppf, J-55, ST&C casing. Cement with 893 cu. ft. Circulate cement to surface.

Gas; possibly wet

Gas.

Gas.

Gas. Possibly wet.

Gas possible, highly fractured

Gas

Gas

11.6 ppf

TD 15 ft. below T/OKCN. 6-1/4" hole. 4-1/2", 10.5#, J-55, ST&C casing. Cement with 576 cu. ft. Circulate cement a minimum of 100' inside the previous casing string. Cased hole TDT with GR. No open hole logs.

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 27-4 UNIT 57P

DEVELOPMENT

| Reference Type | Well Name | Comments |
|----------------|-----------|----------|
|----------------|-----------|----------|

Logging Program:

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

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

Additional Information:

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

Comments:

BURLINGTON RESOURCES OIL & GAS COMPANY LP

**SAN JUAN 27-4 UNIT #57P
1,432' FNL, 1,983' FWL
SECTION 28, T27N, R04W, N.M.P.M.,
RIO ARriba COUNTY, NEW MEXICO
ELEV. 6,904' NAVD88
NEW ACCESS ROAD 2,138'**

DRIVING DIRECTIONS FROM BLOOMFIELD, NM: AT INTERSECTION HWY 550 AND 64. TRAVEL EAST ON HWY 64 TO MILE MARKER 96.3, TURN RIGHT (SOUTHEAST).

- STAY ON MAIN ROAD AND TURN LEFT AT 3.4 MILES, CONTINUE ON MAIN ROAD.
- COME TO AN INTERSECTION AT 6.7 MILES (FROM HWY) STAY ON MAIN ROAD FOR APPROX. 10 MILES TO BEGIN ACCESS ROAD FOR SAN JUAN 27-4 UNIT #57P