

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



**APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK**

2005 JUL 14 PM 3 29

RECEIVED  
070 FARMINGTON NM

<p>1a. <b>Type of Work</b> DRILL</p> <p>1b. <b>Type of Well</b> GAS</p> <p>2. <b>Operator</b> <b>BURLINGTON</b> RESOURCES Oil &amp; Gas Company</p> <p>3. <b>Address &amp; Phone No. of Operator</b> PO Box 4289, Farmington, NM 87499  (505) 326-9700</p> <p>4. <b>Location of Well</b> 1200' FNL, 1765' FWL  Latitude 36° 33.8193'N, Longitude 107° 18.9313'W</p> <p>14. <b>Distance in Miles from Nearest Town</b> 14 miles to Gobernador</p> <p>15. <b>Distance from Proposed Location to Nearest Property or Lease Line</b> 1200'</p> <p>16. <b>Acres in Lease</b></p> <p>18. <b>Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease</b> 1000'</p> <p>19. <b>Proposed Depth</b> 7635'</p> <p>21. <b>Elevations (DF, FT, GR, Etc.)</b> 6442' GR</p> <p>23. <b>Proposed Casing and Cementing Program</b> See Operations Plan attached</p> <p>24. <b>Authorized by:</b> <u>Joni Clark</u> Regulatory Specialist</p>	<p>5. <b>Lease Number</b> NMSF-07939</p> <p><b>Unit Reporting Number</b> MV-8910010510 DK-891001051B</p> <p>6. <b>If Indian, All. or Tribe</b></p> <p>7. <b>Unit Agreement Name</b> San Juan 27-5 Unit</p> <p>8. <b>Farm or Lease Name</b> San Juan 27-5 Unit</p> <p>9. <b>Well Number</b> #121P</p> <p>10. <b>Field, Pool, Wildcat</b> Blanco Mesaverde/Basin Dakota</p> <p>11. <b>Sec., Twn, Rge, Mer. (NMPM)</b> F Sec. 28, T27N, R05W API # 30-039-29596</p> <p>12. <b>County</b> Rio Arriba</p> <p>13. <b>State</b> NM</p> <p>17. <b>Acres Assigned to Well</b> 295.73 W/2 - MV / DK</p> <p>20. <b>Rotary or Cable Tools</b> Rotary</p> <p>22. <b>Approx. Date Work will Start</b> 7/14/05</p>
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PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY Joni Lovato TITLE Acting Field Manager - Mui DATE 8/22/05

**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.

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

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

**NMCOO**

District I  
PO Box 1980, Hobbs, NM 88241-1980

State of New Mexico  
Energy, Minerals & Natural Resources Department

Form C-102  
Revised February 21, 1994

District II  
PO Drawer DD, Artesia, NM 88211-0719

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

OIL CONSERVATION DIVISION  
PO Box 2088  
Santa Fe, NM 87504-2088

District III  
1000 Rio Brazos Rd., Aztec, NM 87410

AMENDED REPORT

District IV  
PO Box 2088, Santa Fe, NM 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-		*Pool Code 72319/71599	*Pool Name Blanco Mesaverde/ Basin Dakota
*Property Code 7454	*Property Name SAN JUAN 27-5 UNIT		*Well Number 121P
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY, LP		*Elevation 6442'

<sup>10</sup> Surface Location

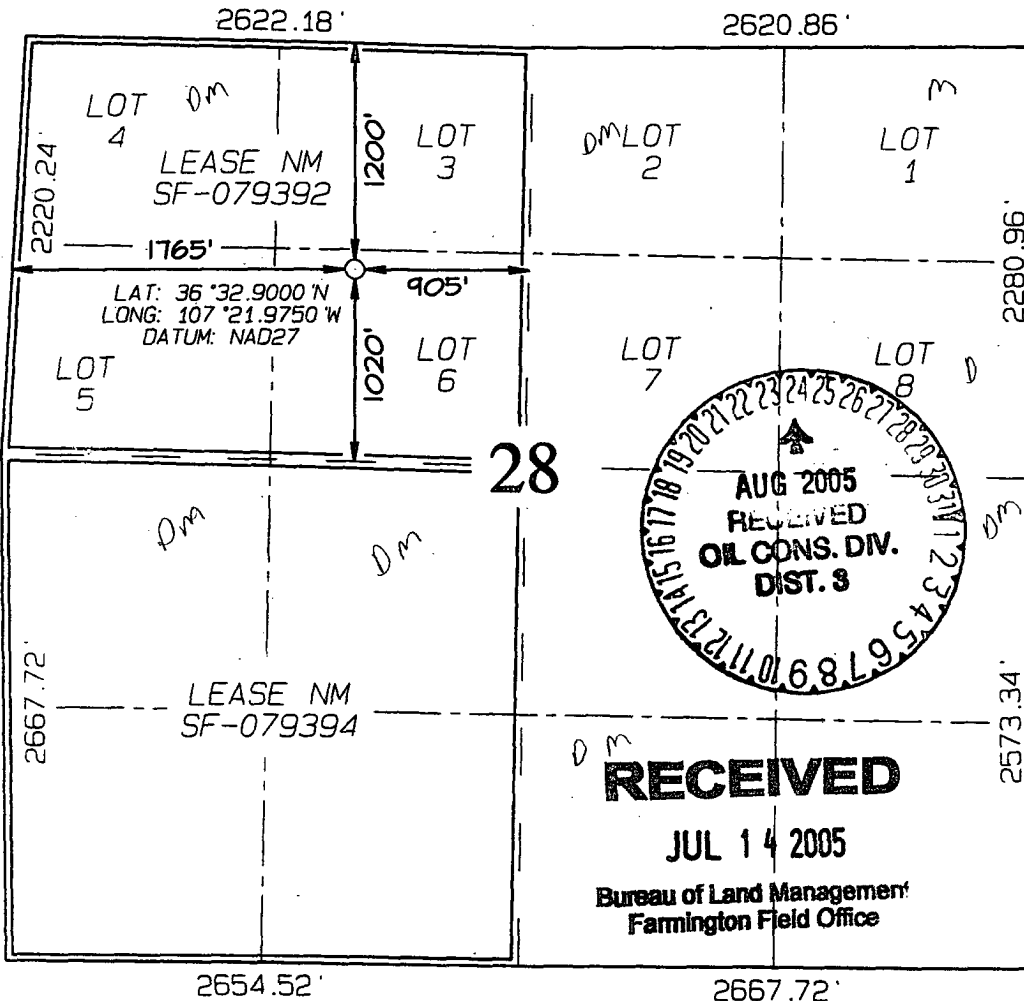
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	28	27N	5W		1200	NORTH	1765	WEST	RIO ARRIBA

<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

<sup>12</sup> Dedicated Acres 295.73 W2 MV/DK	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
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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>17</sup> OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

*Amanda Sandoval*  
Signature  
Amanda Sandoval  
Printed Name  
Regulatory Assistant II  
Title  
5-11-05  
Date

<sup>18</sup> 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: APRIL 11, 2005

Signature and Seal of Professional Surveyor



*JASON C. EDWARDS*  
Certificate Number 15269

Submit 3 Copies To Appropriate District Office  
 District I  
 1625 N. French Dr., Hobbs, NM 88240  
 District II  
 1301 W. Grand Ave., 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 and Natural Resources

Form C-103  
 May 27, 2004

**OIL CONSERVATION DIVISION**  
 1220 South St. Francis Dr.  
 Santa Fe, NM 87505

WELL APINO.	<b>30-039-</b>
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>	
6. State Oil & Gas Lease No. NMSF-079392	
7. Lease Name or Unit Agreement Name <b>San Juan 27-5 Unit</b>	
8. Well Number <b>121P</b>	
9. OGRID Number <b>14538</b>	
10. Pool name or Wildcat <b>Blanco Mesaverde/Basin Dakota</b>	

SUNDRY NOTICES AND REPORTS ON WELLS  
 (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:  
 Oil Well  Gas Well  Other

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

3. Address of Operator  
**3401 E. 30TH STREET, FARMINGTON, NM 87402**

4. Well Location  
 Unit Letter F : 1200 feet from the North line and 1765 feet from the West line  
 Section 28 Township 27N Range 5W NMPM County Rio Arriba

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
**6442'**

Pit or Below-grade Tank Application  or Closure

Pit type New Drill Depth to Groundwater >100' Distance from nearest fresh water well >1000' Distance from nearest surface water >200' x 1000'

Pit Liner Thickness: 12 mil Below-Grade Tank: Volume \_\_\_\_\_ bbls; Construction Material \_\_\_\_\_

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

<b>NOTICE OF INTENTION TO:</b>		<b>SUBSEQUENT REPORT OF:</b>	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
OTHER: <u>New Drill</u> <input checked="" type="checkbox"/>		OTHER: <input type="checkbox"/>	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Burlington Resources proposes to construct a new drilling pit and an associated vent/flare pit. Based on Burlington's interpretation of the Ecosphere's risk ranking criteria, the new drilling pit will be a lined pit as detailed in Burlington's Revised Drilling / Workover Pit Construction / Operation Procedures dated November 11, 2004 on file at the NMOCD office. A portion of the vent/flare pit will be designed to manage fluids and that portion will be lined as per the risk ranking criteria. Burlington Resources anticipates closing these pits according to the Drilling / Workover Pit Closure Procedure dated August 2, 2004 on file at the NMOCD office.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines , a general permit  or an (attached) alternative OCD-approved plan .

SIGNATURE Amanda Sandoval TITLE Regulatory Assistant II DATE 6/27/2005

Type or print name Amanda Sandoval E-mail address: asandoval@br-inc.com Telephone No. 505-326-9700

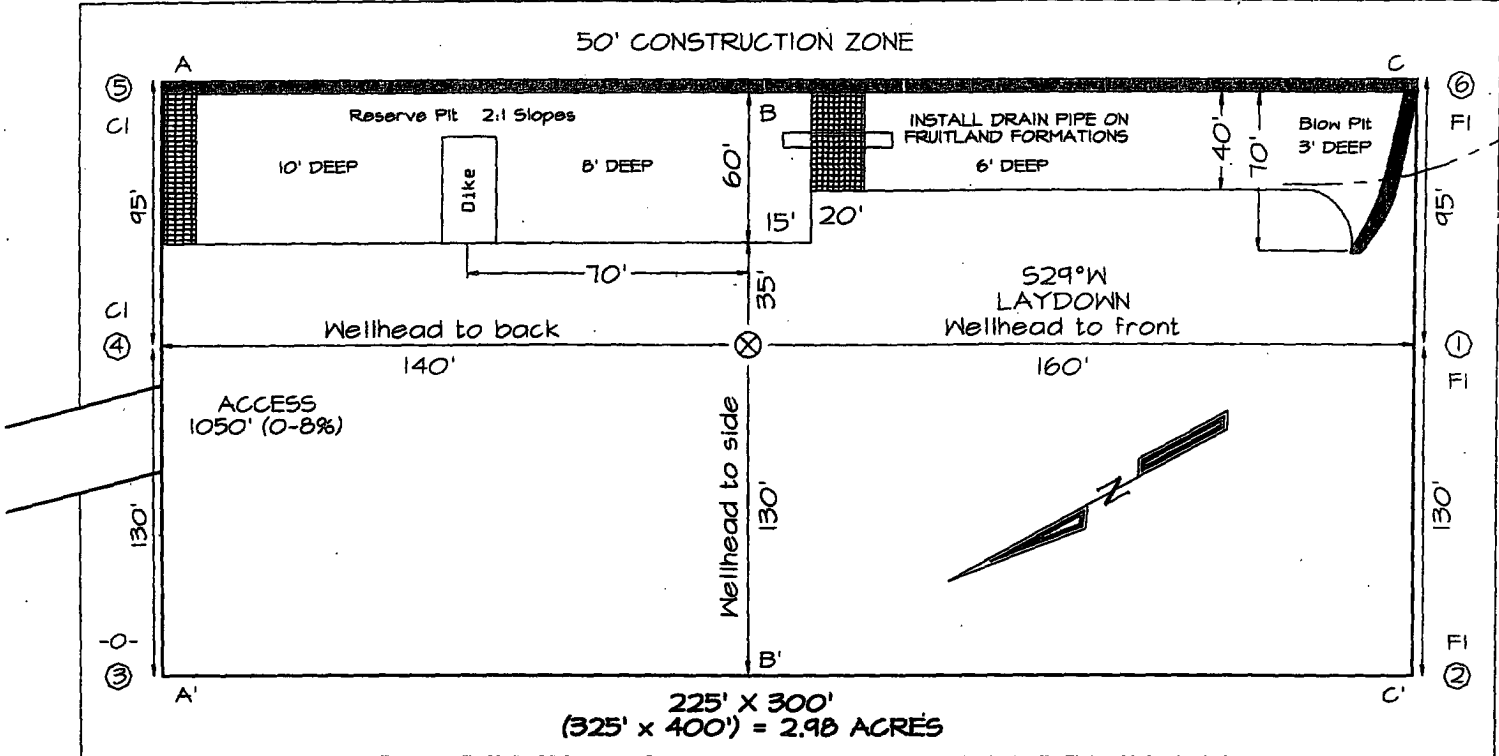
APPROVED BY [Signature] TITLE DEPUTY OIL & GAS INSPECTOR, DIST. 3 DATE AUG 24 2005

Conditions of Approval (if any):

PLAT #1

**BURLINGTON RESOURCES OIL & GAS COMPANY, LP**  
**SAN JUAN 27-5 UNIT #121P, 1200' FNL & 1765' FWL**  
**SECTION 28, T27N, R5W, NMPM, RIO ARriba COUNTY, NM**  
**GROUND ELEVATION: 6442' DATE: APRIL 11, 2005**

**LATITUDE: 36°32'54"**  
**LONGITUDE: 107°21'59"**  
 DATUM: NAD1927



225' X 300'  
 (325' X 400') = 2.98 ACRES

Reserve Pit Dike: to be 8' above Deep side (overflow - 3' wide and 1' above shallow side).  
 Blow Pit: overflow pipe halfway between top and bottom and to extend over plastic liner and into blow pit.

A-A'						
6452'						
6442'						
6432'						

B-B'						
6452'						
6442'						
6432'						

C-C'						
6452'						
6442'						
6432'						

Note: Contractor should call One-Call for location of any marked or unmarked buried pipelines or cables on well pad and/or access road at least two (2) working days prior to construction

**OPERATIONS PLAN**

**Well Name:** San Juan 27-5 Unit #121P

**Location:** 1200' FNL, 1765' FWL, Sec. 28, T-27-N, R-5-W  
Rio Arriba County, NM

Latitude 36° 32.9000' N, Longitude 107° 21.9750' W

**Formation:** Blanco Mesaverde/Basin Dakota

**Total Depth:** 7635

**Logging Program:** See San Juan 27-5 Unit Master Operations Plan


**Mud Program:** See San Juan 27-5 Unit Master Operations Plan

**Casing Program (as listed, the equivalent, or better):**

Hole Size	Depth Interval	Csg	Wt.	Grade	Cement		
12 1/4	0' -	120	9.625"	32.3#	H-40	113	cu.ft
8 3/4	0' -	3396	7"	20.0#	J-55	760	cu.ft
6 1/4	3296	7635	4.5"	10.5	N-80	577	cu.ft

**Tubing Program:** See San Juan 27-5 Unit Master Operations Plan

- \* The Mesaverde and Dakota formations will be completed and commingled.
- \* The west half of Section 28 dedicated to the Dakota & Mesaverde formation in this well.
- \* Gas is dedicated.

  
\_\_\_\_\_  
Drilling Engineer

6/24/05  
\_\_\_\_\_  
Date

C. HARRADEN/ July 15, 2005 *CH*

BURLINGTON RESOURCES/ San Juan 27-5 Unit #121P APD  
STIPULATION/CONDITION OF APPROVAL

This well is located within a 'vulnerable area'. In order to protect the integrity of the alluvium aquifer, a minimum surface csg. depth of 200' is stipulated as a condition of approval for this APD.

