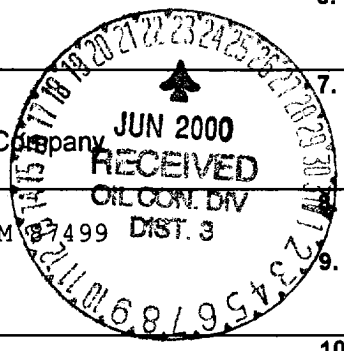


UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

1:40

1a. Type of Work DRILL ✓	5. Lease Number SE-080674 Unit Reporting Number 891001054A
1b. Type of Well GAS ✓	6. If Indian, All. or Tribe
2. Operator <b>BURLINGTON RESOURCES</b> Oil & Gas Company	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 San Juan 27-4 Unit
4. Location of Well 2020' FSL, 2500' FWL Latitude 36° 33.4, Longitude 107° 14.3	9. Well Number 149B
10. Field, Pool, Wildcat Blanco Mesaverde ✓	11. Sec., Twn, Rge, Mer. (NMPM) K Sec. 22, T-27-N, R-4-W API # 30-039-26267
12. County Rio Arriba	13. State NM
14. Distance in Miles from Nearest Town 20 miles from Gobernador	15. Distance from Proposed Location to Nearest Property or Lease Line 2020'
16. Acres in Lease	17. Acres Assigned to Well 320 W/2
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1700'	19. Proposed Depth 6588'
20. Rotary or Cable Tools Rotary	21. Elevations (DF, FT, GR, Etc.) 7159' GR
22. Approx. Date Work will Start	23. Proposed Casing and Cementing Program See Operations Plan attached
24. Authorized by: <u>Susan Cole</u> Regulatory/Compliance Administrator	DATE <u>12-7-99</u> Date



DILLING OPERATIONS AUTHORIZED ARE  
SUBJECT TO COMPLIANCE WITH ATTACHED  
"GENERAL REQUIREMENTS"

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
APPROVED BY /s/ Jim Lovato TITLE \_\_\_\_\_ DATE JUN 21 2000

Archaeological Report to be submitted  
Threatened and Endangered Species Report to be submitted  
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.

*[Handwritten signature]*

NMOCD

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

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

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

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

State of New Mexico  
Energy, Minerals & Natural Resources Department

Form C-102  
Revised February 21, 1994

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

OIL CONSERVATION DIVISION

PO Box 2088 677 000 - 2 PM 1:40  
Santa Fe, NM 87504-2088

CERTIFICATE OF COMPLETION ☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039-26267		Pool Code 72319	Pool Name Blanco Mesaverde
Property Code 7452	Property Name SAN JUAN 27-4 UNIT		Well Number 149B
GRID No. 14538	Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY		Elevation 7159

10 Surface Location

UL or lot no. K	Section 22	Township 27N	Range 4W	Lot Idn	Feet from the 2020	North/South line SOUTH	Feet from the 2500	East/West line WEST	County RIO ARriba
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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
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12 Dedicated Acres W/320	13 Joint or Infill	14 Consolidation Code	15 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

<div>16</div> <div>5273.40'</div> <div>• 149A</div> <div>NMSF-080674</div> <div>22</div> <div>2500'</div> <div>149B</div> <div>2020'</div> <div>5288.58'</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</p> <div></div> <div>Signature Peggy Cole</div> <div>Printed Name Regulatory Administrator</div> <div>Title 12-7-99</div> <div>Date</div>
	<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> <div>OCTOBER 6, 1999</div> <div>Date of Survey</div> <div></div> <div>Signature and Seal of Professional Surveyor</div> <div></div> <div>Certificate Number 6857</div>

## OPERATIONS PLAN

Well Name: San Juan 27-4 Unit #149B  
Surface Location: 2020' FSL, 2500' FWL, Section 22, T-27-N, R-4-W  
Rio Arriba County, New Mexico  
Latitude 36° 33.4, Longitude 107° 14.3  
Formation: Blanco Mesa Verde  
Elevation: 7159' GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	3438'	aquifer
Ojo Alamo	3438'	3564'	aquifer
Kirtland	3564'	3692'	gas
Fruitland	3692'	4024'	gas
Pictured Cliffs	4024'	4108'	gas
Lewis	4108'	4547'	gas
<b>Intermediate TD</b>	<b>4208'</b>		
Mesa Verde	4547'	4987'	gas
Chacra	4987'	5732'	gas
Massive Cliff House	5732'	5855'	gas
Menefee	5855'	6188'	gas
Point Lookout	6188'		gas
<b>Total Depth</b>	<b>6588'—</b>		

### Logging Program:

Cased hole Gamma Ray, Cement bond - surface to TD  
Mud Logs/Coring/DST - none

### Mud Program:

<u>Interval- MD</u>	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	<u>Fluid Loss</u>
0- 200'	Spud	8.4-9.0	40-50	no control
200- 4208'	LSND	8.4-9.0	30-60	no control
4208- 6588'	Air/Mist	n/a	n/a	n/a

Pit levels will be visually monitored to detect gain or loss of fluid control.

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

<u>Hole Size</u>	<u>Measured Depth</u>	<u>Csq Size</u>	<u>Weight</u>	<u>Grade</u>
12 1/4"	0' - 200'	9 5/8"	32.3#	H-40
8 3/4"	0' - 4208'	7"	20.0#	J-55
6 1/4"	4108' - 6588'—	4 1/2"	10.5#	J-55

Tubing Program: 0' - 6588' 2 3/8" 4.7# J-55

### BOP Specifications, Wellhead and Tests:

#### Surface to Intermediate TD -

11" 2000 psi minimum double gate BOP stack (Reference Figure #1).  
After nipple-up prior to drilling out surface casing, rams and casing will be tested to 600 psi for 30 minutes.

#### Intermediate TD to Total Depth -

11" 2000 psi minimum double gate BOP stack (Reference Figure #1).  
After nipple-up prior to drilling out intermediate casing, rams and casing will be tested to 1500 psi for 30 minutes.

BURLINGTON RESOURCES OIL & GAS COMPANY SAN JUAN 27-4 UNIT #149B

2020' FSL & 2500' FWL, SECTION 22, T27N, R4W, N.M.P.M.

RIO ARriba COUNTY, NEW MEXICO

APD MAP #1

NO NEW CONSTRUCTION  
NE/SW SECTION 22, T27N, R4W

