

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number SF-080668 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 9. Well Number 98B	
4. Location of Well 1840' FSL, 1155' FWL Latitude 36° 35.1, Longitude 107° 14.6	10. Field, Pool, Wildcat Blanco Mesaverde 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 10, T-27-N, R-4-W API # 30-039-26278	
14. Distance in Miles from Nearest Town 18 miles from Gobernador	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1155'	17. Acres Assigned to Well 320 W/2	
16. Acres in Lease	18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 1000'	
19. Proposed Depth 6175'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6751' GR	22. Approx. Date Work will Start <b>DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"</b>	
23. Proposed Casing and Cementing Program See Operations Plan attached	24. Authorized by: <u>Peggy Cole</u> Regulatory/Compliance Administrator	
	Date <u>12-6-99</u>	

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
APPROVED BY /s/ Jim Lovato TITLE \_\_\_\_\_ DATE MAY 16 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.

NMOCD

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

District II  
PO Drawer 00, 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

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

Form C-102  
Revised February 21, 1994  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

AMENDED REPORT

### WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039- <i>26278</i>		*Pool Code 72319	*Pool Name Blanco Mesaverde
*Property Code 7452	*Property Name SAN JUAN 27-4 UNIT		*Well Number 98B
*OGRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY		*Elevation 6751'

#### <sup>10</sup> Surface Location

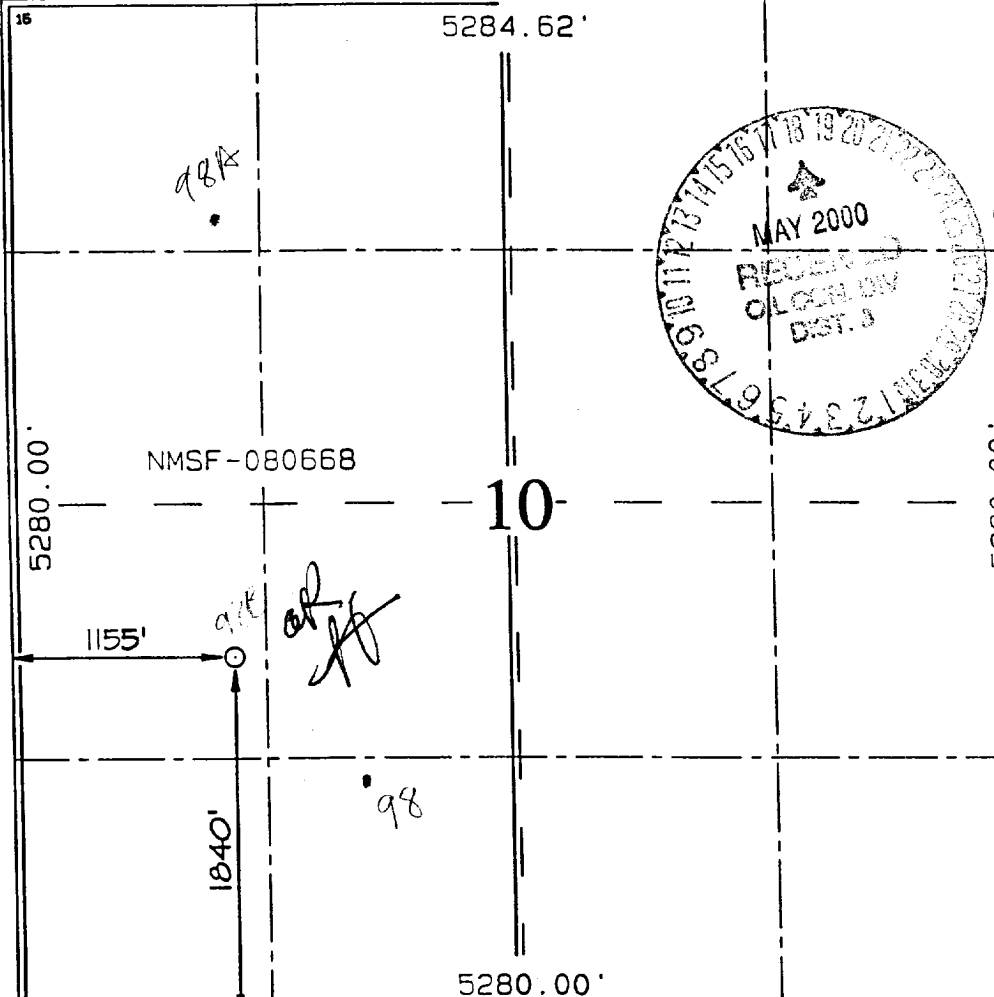
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	10	27N	4W		1840	SOUTH	1155	WEST	RIO ARriba

#### <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 W/320	<sup>13</sup> Joint or Infill I	<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

<div><p><sup>16</sup></p></div>	<div><p><sup>17</sup> OPERATOR CERTIFICATION</p><p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p><p><i>Peggy Cole</i> Signature Peggy Cole Printed Name Regulatory Administrator Title <i>12-6-99</i> Date</p></div> <div><p><sup>18</sup> SURVEYOR CERTIFICATION</p><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>OCTOBER 28, 1999 Date of Survey <i>Neale C. Edwards</i> Signature and Seal NEALE C. EDWARDS NEW MEXICO 6857 REGISTERED PROFESSIONAL SURVEYOR Certificate Number 6857</p></div>
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## OPERATIONS PLAN

Well Name: San Juan 27-4 Unit #98B  
Surface Location: 1840' FSL, 1155' FWL, Section 10, T-27-N, R-4-W  
Rio Arriba County, New Mexico  
Latitude 36° 35.1, Longitude 107° 14.6  
Formation: Blanco Mesa Verde  
Elevation: 6751' GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	3044'	aquifer
Ojo Alamo	3044'	3221'	aquifer
Kirtland	3221'	3263'	gas
Fruitland	3263'	3589'	gas
Pictured Cliffs	3589'	3728'	gas
Lewis	3728'	4183'	gas
Intermediate TD	3828'		
Mesa Verde	4183'	4603'	gas
Chacra	4603'	5343'	gas
Massive Cliff House	5343'	5487'	gas
Menefee	5487'	5775'	gas
Point Lookout	5775'		gas
Total Depth	6175'		

### 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- 3828'	LSND	8.4-9.0	30-60	no control
3828- 6175'	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>Csg Size</u>	<u>Weight</u>	<u>Grade</u>
12 1/4"	0' - 200'	9 5/8"	32.3#	H-40
8 3/4"	0' - 3828'	7"	20.0#	J-55
6 1/4"	3728' - 6175'	4 1/2"	10.5#	J-55

Tubing Program: 0' - 6175' 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.

1840' FSL & 1155' FWL, SECTION 10, T27N, R4W, N.M.P.M.  
RIO ARRIBA COUNTY, NEW MEXICO

NO NEW CONSTRUCTION  
NW/SW SECTION 10, T27N, R4W

