

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

RECEIVED  
BLM  
3/23/98 PM 1:01  
C/O [unclear]

**RECEIVED**  
MAR 26 1998  
**OIL CON. DIV.**  
**DIST. 3**

1a. Type of Work DRILL	5. Lease Number SF-079393 Unit Reporting Number	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator <b>BURLINGTON RESOURCES</b> 14538 Oil & Gas Company	7. Unit Agreement Name San Juan 27-5 Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name 7454 San Juan 27-5 Unit 9. Well Number 21B	
4. Location of Well 1300' FSL, 2500' FEL  Latitude 36° 35.9, Longitude 107° 21.2	10. Field, Pool, Wildcat 72319 Blanco Mesa Verde 11. Sec., Twn, Rge, Mer. (NMPM) 0 Sec 3, T-27-N, R-5-W API # 30-039-25814	
14. Distance in Miles from Nearest Town 6 miles to Gobernador	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1300'	17. Acres Assigned to Well W/2 319.16	
16. Acres in Lease This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.		
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1000'		
19. Proposed Depth 6023' DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 6616' GR	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>[Signature]</u> Regulatory/Compliance Administrator	Date <u>1/2/98</u>	

PERMIT NO. \_\_\_\_\_ APPROVAL DATE **MAR 24 1998**  
APPROVED BY **/s/ Duane W. Spencer** TITLE \_\_\_\_\_ DATE **MAR 24 1998**

Archaeological Report submitted  
Threatened and Endangered Species Report submitted

R-10936  
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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 00, Artesia, NM 88211-0719

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

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

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

SEP 19 11:07 AM AMENDED REPORT

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-039-25814		2 Pool Code 72319		3 Pool Name Blanco Mesaverde	
4 Property Code 7454		5 Property Name SAN JUAN 27-5 UNIT			6 Well Number 21B
7 OGRID No. 14538		8 Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY			9 Elevation 6615'

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
0	3	27N	5W		1300	South	2500	East	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

12 Dedicated Acres E/319.16	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

16

NMSF-079393

17 OPERATOR CERTIFICATION

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

*Peggy Bradfield*  
Signature

Peggy Bradfield  
Printed Name

Regulatory Administrator  
Title

1/2/98  
Date

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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.

OCTOBER 28, 1997  
Date of Survey

*Neale C. Edwards*  
Signature and Seal of Professional

NEALE C. EDWARDS  
NEW MEXICO  
REGISTERED PROFESSIONAL SURVEYOR  
6857

5857  
Certificate Number

## OPERATIONS PLAN

**Well Name:** San Juan 27-5 Unit #21B  
**Location:** 1300' FSL, 2500' FEL Section 3, T-27-N, R-5-W  
Rio Arriba County, New Mexico  
Latitude 36° 36.0, Longitude 107° 20.7  
**Formation:** Blanco Mesa Verde  
**Elevation:** 6616' GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	2808'	aquifer
Ojo Alamo	2808'	3078'	aquifer
Fruitland	3078'	3468'	
Pictured Cliffs	3468'	3548'	gas
Lewis	3548'	3928'	gas
<b>Intermediate TD</b>	<b>3648'</b>		
Huerfanito Bentonite	3928'	4413'	
Chacra	4413'	5138'	
Massive Cliff House	5138'	5288'	gas
Menefee	5288'	5623'	gas
Massive Point Lookout	5623'		gas
<b>Total Depth</b>	<b>6023'</b>		

### Logging Program:

Cased hole logging - Gamma Ray Neutron  
Coring/DST - none

### Mud Program:

<u>Interval</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
200-3648'	LSND	8.4-9.0	30-60	no control
3648-6023'	Gas/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>Depth Interval</u>	<u>Csq.Size</u>	<u>Wt.</u>	<u>Grade</u>
12 1/4"	0' - 200'	9 5/8"	32.3#	H-40
8 3/4"	0' - 3648'	7"	20.0#	J-55
6 1/4"	3548' - 6023'	4 1/2"	10.5#	J-55

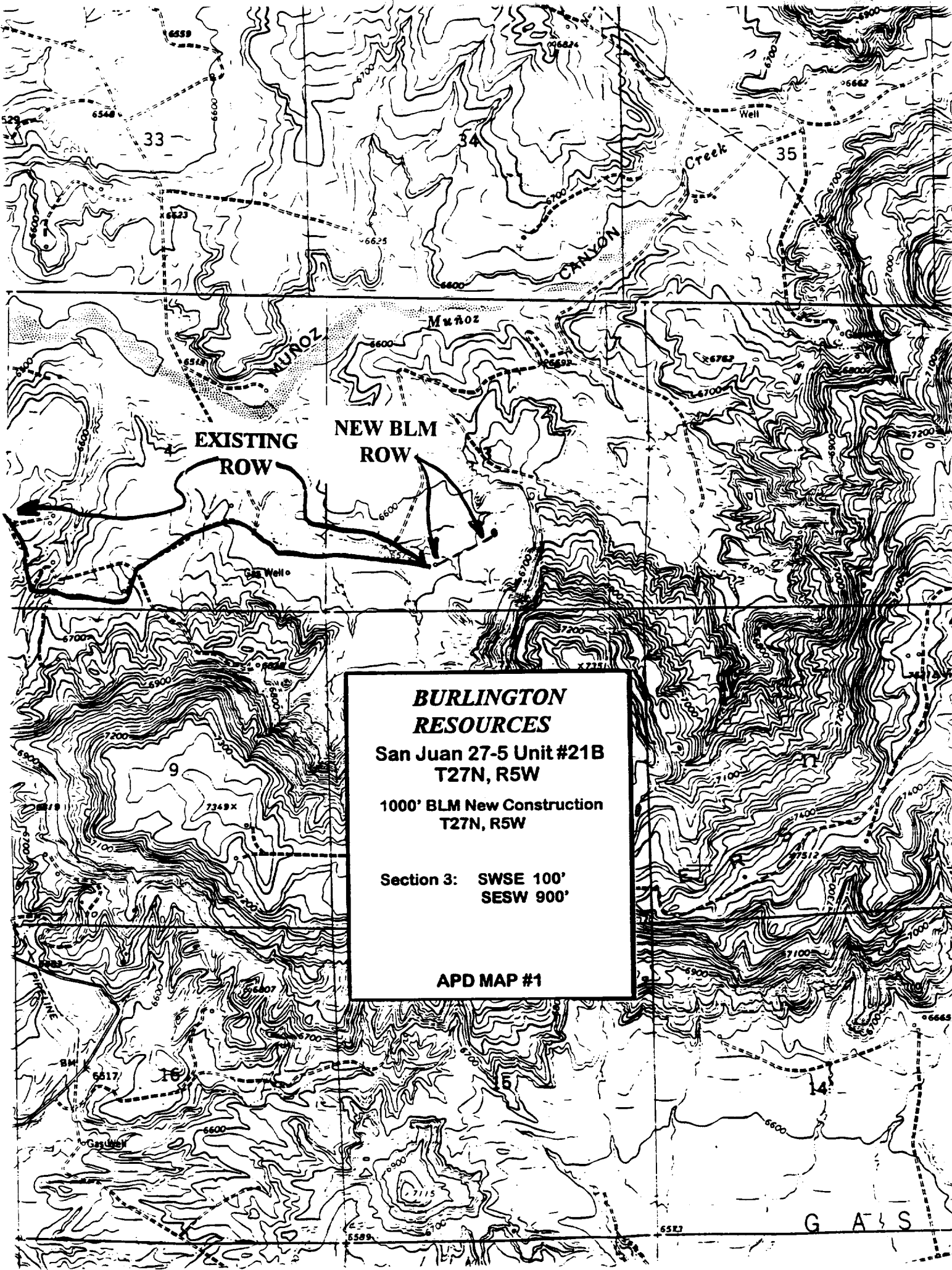
### Tubing Program:

0' - 6023'      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.



**EXISTING ROW**  
**NEW BLM ROW**

**BURLINGTON  
RESOURCES**  
San Juan 27-5 Unit #21B  
T27N, R5W  
1000' BLM New Construction  
T27N, R5W  
Section 3: SWSE 100'  
SESW 900'  
**APD MAP #1**

G A S