

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

11

RECEIVED
BLM
98 DEC - 7 PM 1:21
070 FARMINGTON, NM
RECEIVED
JUN - 7 1999
OIL CON. DIV.
DIST. 3

1a. Type of Work DRILL	5. Lease Number SF-080670
1b. Type of Well GAS	Unit Reporting Number If Indian, All. or Tribe
2. Operator BURLINGTON RESOURCES Oil & Gas Company	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 1040' FNL, 1370' FWL Latitude 36° 32' 55", Longitude 107° 16' 38"	9. Well Number 52M
14. Distance in Miles from Nearest Town 56 miles to Bloomfield	10. Field, Pool, Wildcat Blanco MV/Basin DK
15. Distance from Proposed Location to Nearest Property or Lease Line 1040'	11. Sec., Twn, Rge, Mer. (NMPM) Sec. 29, T-27-N, R-4-W API # 30-039-26035
16. Acres in Lease	12. County Rio Arriba
17. Acres Assigned to Well 320 W/2	13. State NM
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 400'	20. Rotary or Cable Tools Rotary
19. Proposed Depth 8474'	21. Elevations (DF, FT, GR, Etc.) 7193' GR
22. Approx. Date Work will Start	23. Proposed Casing and Cementing Program See Operations Plan attached
24. Authorized by: [Signature] Regulatory/Compliance Administrator	DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS". 6-23-98 Date

PERMIT NO. _____ APPROVAL DATE JUN 04 1999

APPROVED BY /S/ Duane W. Spencer TITLE Team Lead, Petroleum Management DATE _____

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.

NSL-4242
NMOCD

District I
PO Box 1980, Hobbs NM 88241-1980
District II
PO Drawer KK, Aramis, NM 87211-0719
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
Santa Fe, NM 87504-2088

98 DEC -7 PM 1:27

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT NM

1 APT Number 30-039-26035	1 Pool Code 71599/72319	1 Pool Name Basin Dakota/Blanco Mesaverde
4 Property Code 7452	2 Property Name SAN JUAN 27-4 UNIT	6 Well Number # 52M
7 OGRID No. 14538	8 Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY	9 Elevation 7193

10 Surface Location

UL or Lot No.	Section	Township	Range	Lot 1/4	Feet from the	North/South line	Feet from the	East/West line	County
C	29	27 N	4 W		1040	NORTH	1370	WEST	RIO ARriba

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot 1/4	Feet from the	North/South line	Feet from the	East/West line	County

12 Dedicated Acres DK:W/320 MV: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 INTEREST HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	RECEIVED JUN - 7 1999 OIL CON. DIV. DIST. 3	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. <i>Peggy Bradfield</i> Signature Peggy Bradfield Printed Name Regulatory Administrator Title 10-25-98 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. August 10, 1998 Date of Survey <i>[Signature]</i> Signature and Seal of Professional Surveyor 7016 Certificate Number

OPERATIONS PLAN

Well Name: San Juan 27-4 Unit #52M
Location: 1040' FNL, 1370' FWL, Sec 29, T-27-N, R-4-W
Rio Arriba County, NM
Latitude 36° 32' 55", Longitude 107° 16' 38"
Formation: Blanco Mesa Verde/Basin Dakota
Elevation: 7193' GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	3512'	
Ojo Alamo	3512'	3576'	aquifer
Kirtland	3576'	3668'	gas
Fruitland	3668'	4047'	gas
Pictured Cliffs	4047'	4147'	gas
Lewis	4147'	4500'	gas
Intermediate TD	4247'		
Mesa Verde	4500'	5025'	gas
Chacra	5025'	5748'	gas
Massive Cliff House	5748'	5868'	gas
Menefee	5868'	6245'	gas
Massive Point Lookout	6245'	6720'	gas
Mancos	6720'	7367'	gas
Gallup	7367'	8153'	gas
Greenhorn	8153'	8210'	gas
Graneros	8210'	8376'	gas
Dakota	8376'		gas
TD (4 1/2" liner)	8474'		

Logging Program:

Cased hole - CBL - TD to 200' above TOC, GR/CNL across MV/DK

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
200-4247'	LSND	8.4-9.0	30-60	no control
4247-8474'	Gas	n/a	n/a	n/a

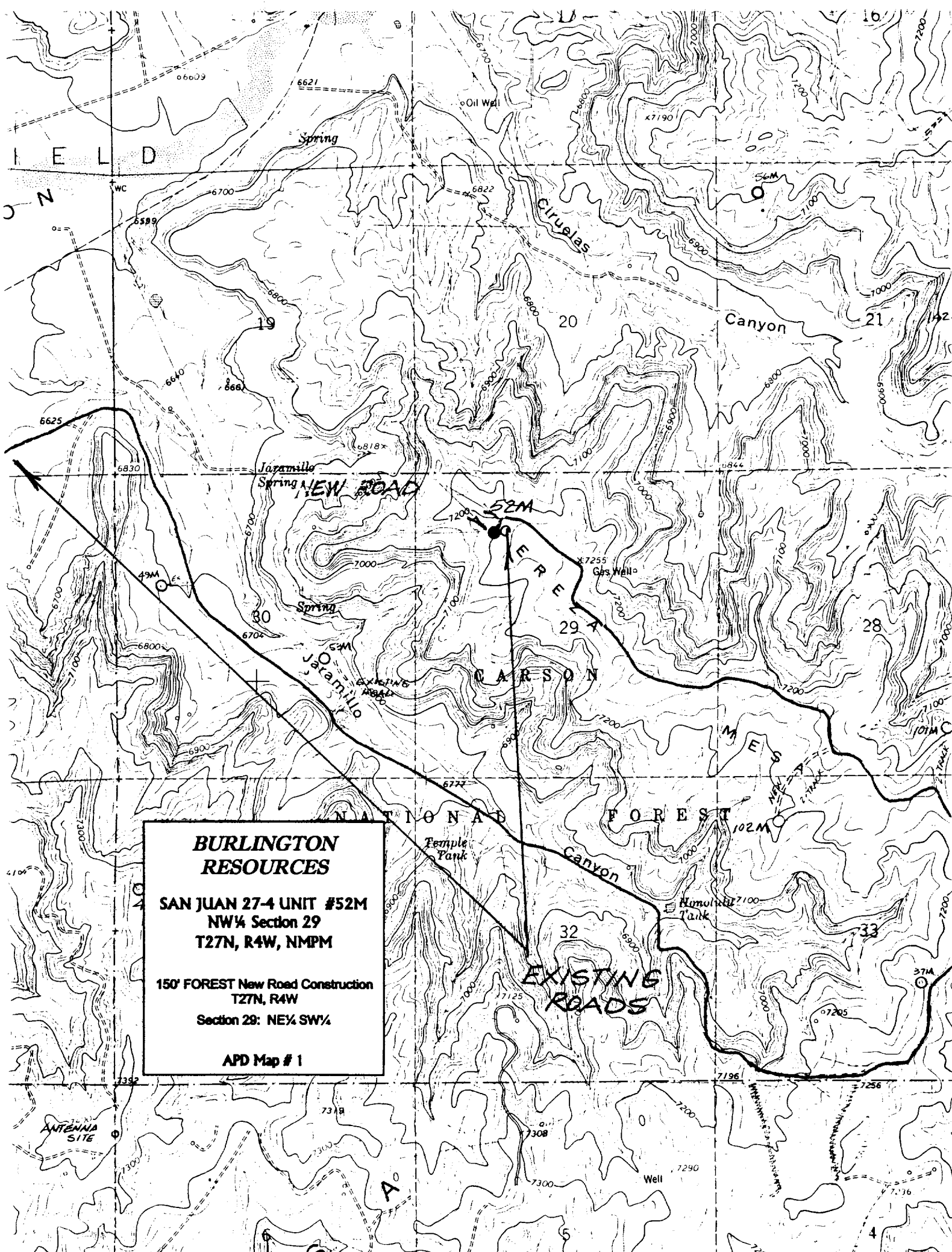
Pit levels will be visually monitored to detect gain or loss of fluid control.

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

<u>Hole Size</u>	<u>Depth Interval</u>	<u>Csg. Size</u>	<u>Wt.</u>	<u>Grade</u>
12 1/4"	0' - 200'	9 5/8"	32.3#	K-55
8 3/4"	0' - 4247'	7"	20.0#	J-55
6 1/4"	4147' - 8474'	4 1/2"	10.5#	K-55

Tubing Program:

0' - 8474'	2 3/8"	4.70#	EUE
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**BURLINGTON
RESOURCES**

**SAN JUAN 27-4 UNIT #52M
NW¼ Section 29
T27N, R4W, NMPM**

**150' FOREST New Road Construction
T27N, R4W**

Section 29: NE¼ SW¼

APD Map # 1