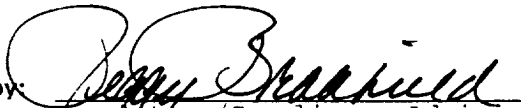


UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number SF-080675	RECEIVED BLM JUL 18 PM 1:16
1b. Type of Well GAS	Unit Reporting Number 891001054A-MV 8910010540-Dk	NEW MEXICO, NM
2. Operator BURLINGTON RESOURCES 14538	6. If Indian, All. or Tribe	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 101M
4. Location of Well 730' FSL, 1090' FEL Latitude 36° 32' 21", Longitude 107° 15' 06"	10. Field, Pool, Wildcat 22319 Blanco MV/Basin Dk 71599	11. Sec., Twn, Rge, Mer. (NMPM) P Sec 28, T-27-N, R-4-W API # 30-039- 25920
14. Distance in Miles from Nearest Town 60 miles to Bloomfield	12. County RA	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 730'	17. Acres Assigned to Well 42 320 E/2 320	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 2000'	20. Rotary or Cable Tools Rotary	
19. Proposed Depth 8462 This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.	22. Approx. Date Work will Start DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"	
21. Elevations (DF, FT, GR, Etc.) 7167' GR	23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by:  Regulatory/Compliance Administrator	Date 5-20-98	

PERMIT NO. _____

APPROVAL DATE JUL 28 1998

APPROVED **/s/ Duane W. Spencer**

TITLE _____

DATE JUL 28 1998

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-977-A (2)

NMOCD

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Hrazos 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
Revised February 2
Instructions
Submit to Appropriate District:
State Lease - 4
Fee Lease - 3
☐ AMENDED R.

50 JUN 18 PM 1:16

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039-25920	Pool Code 72319/71599	Pool Name Blanco Mesaverde/Basin Dakota
Property Code 7452	Property Name SAN JUAN 27-4 UNIT	Well Number # 1011
OGRID No. 14538	Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY	Elevation 7167

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
P	28	27 N	4 W		730	SOUTH	1090	EAST	RIO A

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

Dedicated Acres MV-E/320 DK-E/320	Joint or Infill	Consolidation Code	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	5271'(R)	17 OPERATOR CERTIFICATE I hereby certify that the information contained hereon is true and complete to the best of my knowledge and belief. Signature: <u>Peggy Bradfield</u> Printed Name: <u>Peggy Bradfield</u> Regulatory Administrative Title: <u>5-20-98</u> Date: <u>5-20-98</u>
RECEIVED JUL 30 1998 OIL CON. DIV. DIST. 3	28 NMSF- 080675	18 SURVEYOR CERTIFICATE I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey: <u>February 24, 1998</u> Signature and Seal of Professional Surveyor: <u>GARY D. VAAN</u> 7016 Certificate Number: <u>7016</u>
5280'(R)	730' 1090'	5280'(R)
(R) - GLO Record	5250'(R)	

OPERATIONS PLAN

Well Name: San Juan 27-4 Unit #101M
Location: 730' FSL, 1090' FEL Sec 28, T-27-N, R-4-W
Rio Arriba County, NM
Latitude 36° 32' 21", Longitude 107° 15' 06"
Formation: Blanco Mesa Verde/Basin Dakota
Elevation: 7157' GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	3462'	
Ojo Alamo	3462'	3561'	aquifer
Kirtland	3561'	3665'	
Fruitland	3665'	4012'	gas
Pictured Cliffs	4012'	4113'	gas
Lewis	4113'	4464'	gas
Intermediate TD	4213'		
Huerfanito Bentonite	4464'	4972'	gas
Chacra	4972'	5590'	
Massive Cliff House	5690'	5836'	gas
Menefee	5836'	6177'	gas
Massive Point Lookout	6177'	6678'	gas
Mancos Shale	6678'	7306'	
Gallup	7306'	8122'	gas
Greenhorn	8122'	8182'	gas
Dakota	8182'		gas
TD (4 1/2" liner)	8462'		

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
200-4213'	LSND	8.4-9.0	30-60	no control
4213-8462'	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>Csq. Size</u>	<u>Wt.</u>	<u>Grade</u>
12 1/4"	0' - 200'	9 5/8"	32.3#	WC-50
8 3/4"	0' - 4213'	7"	20.0#	J-55
6 1/4"	4113' - 8462'	4 1/2"	10.5#	J-55

Tubing Program:

0' - 8462' 2 3/8" 4.70# EUE

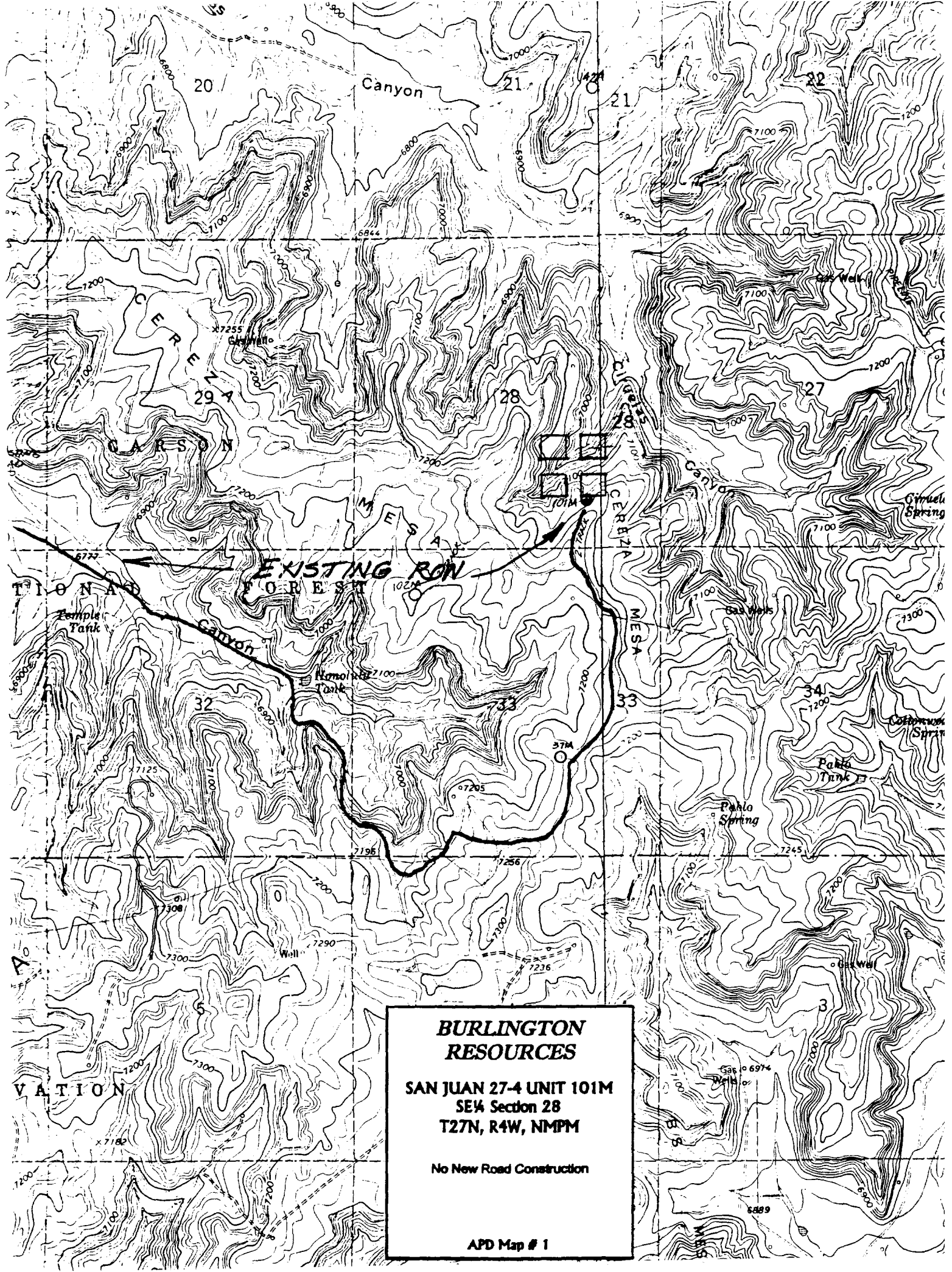
BOP Specifications, Wellhead and Tests:

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**

**SAN JUAN 27-4 UNIT 101M
SE¼ Section 28
T27N, R4W, NMPM**

No New Road Construction

APD Map # 1