

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-079732 Unit Reporting Number 891000933B-Dk 8910998330-MV If Indian, All. or Tribe
1b. Type of Well GAS	7. Unit Agreement Name San Juan 28-4 Unit
2. Operator BURLINGTON RESOURCES 14538 Oil & Gas Company	8. Farm or Lease Name San Juan 28-4 Unit
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	9. Well Number 30M
4. Location of Well 760' FSL, 1910' FEL Latitude 36° 36' 40", Longitude 107° 17' 24"	10. Field, Pool, Wildcat Blanco MV/Basin Dk 11. Sec., Twn, Rge, Mer. (NMPM) Sec 31, T-28-N, R-4-W API # 30-039-
14. Distance in Miles from Nearest Town 60 miles to Bloomfield	12. County RA
15. Distance from Proposed Location to Nearest Property or Lease Line 760'	13. State NM
16. Acres in Lease	17. Acres Assigned to Well E/320 DK 2/319.82/MV
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 2500'	20. Rotary or Cable Tools Rotary
19. Proposed Depth 8580'	22. Approx. Date Work will Start 5-30-98
21. Elevations (DF, FT, GR, Etc.) 7239' GR	23. Proposed Casing and Cementing Program See Operations Plan attached
24. Authorized by: <u>Duane W. Spencer</u> Regulatory/Compliance Administrator	25. DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"

PERMIT NO. _____ APPROVAL DATE AUG 17 1998
APPROVED BY /s/ Duane W. Spencer TITLE _____ DATE AUG 17 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-4089 (E)

NMOCD

District I
PO Box 1980, Hobbs NM 88241-1980
District II
PO Drawer KK, Artesia, 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

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

Form C-10
Revised February 21, 1999
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-039-25945		2 Pool Code 72319/71599		3 Pool Name Blanco Mesaverde/Basin Dakota		
4 Property Code 7459		5 Property Name SAN JUAN 28-4 UNIT			6 Well Number # 30M	
7 OGRID No. 14538		8 Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY			9 Elevation 7239	

10 Surface Location

UL or Lot No. O	Section 31	Township 28 N	Range 4 W	Lot Idn	Feet from the 760	North/South line SOUTH	Feet from the 1910	East/West line EAST	County RIO ARriba
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11 Bottom Hole Location If Different From Surface

1 UL or lot no.	2 Section	3 Township	4 Range	5 Lot Idn	6 Feet from the	7 North/South line	8 Feet from the	9 East/West line	10 County
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12 Dedicated Acres
MV-S/319.82
DK-E/320

13 Joint or Infill

14 Consolidation Code

15 Order No.

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

16		5275'(R)		17 OPERATOR CERTIFICATION	
Lot 1		RECEIVED AUG 20 1998 OIL CON. DIV. DIST. 3		I hereby certify that the information contained herein true and complete to the best of my knowledge and belief	
Lot 2		NMSF - 079732		Signature <i>Peggy Bradfield</i>	
Lot 3		NMSF - 079732		Printed Name Peggy Bradfield	
Lot 4		1910'		Regulatory Administrator Title 5-30-98	
5280'(R)		31		Date 5-30-98	
5277'(R)		760'		18 SURVEYOR CERTIFICATION	
5280'(R)		760'		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 as correct to the best of my belief.	
5277'(R)		760'		February 19, 1998	
5280'(R)		760'		Date of Survey	
5277'(R)		760'		Signature and Seal of Professional Surveyor	
5280'(R)		760'		7016	
5277'(R)		760'		Certificate Number	

OPERATIONS PLAN

Well Name: San Juan 28-4 Unit #30M
Location: 760'FSL, 1910'FEL Sec 31, T-28-N, R-4-W
Rio Arriba County, NM
Latitude 36° 36' 40", Longitude 107° 17' 24"
Formation: Blanco Mesa Verde/Basin Dakota
Elevation: 7239'GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	3543'	
Ojo Alamo	3543'	3708'	aquifer
Kirtland	3708'	3753'	
Fruitland	3753'	4123'	gas
Pictured Cliffs	4123'	4244'	gas
Lewis	4224'	4711'	gas
Intermediate TD	4324'		
Huerfanito Bentonite	4711'	5101'	gas
Chacra	5101'	5911'	
Massive Cliff House	5911'	5959'	gas
Menefee	5959'	6283'	gas
Massive Point Lookout	6283'	6843'	gas
Mancos Shale	6843'	7475'	
Gallup	7475'	8240'	gas
Greenhorn	8240'	8300'	gas
Dakota	8300'		gas
TD (4 1/2"liner)	8580'		

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
200-4324'	LSND	8.4-9.0	30-60	no control
4324-8580'	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#	WC-50
8 3/4"	0' - 4324'	7"	20.0#	J-55
6 1/4"	4224' - 8580'	4 1/2"	10.5#	J-55

Tubing Program:

0' - 8580' 2 3/8" 4.70# EUE

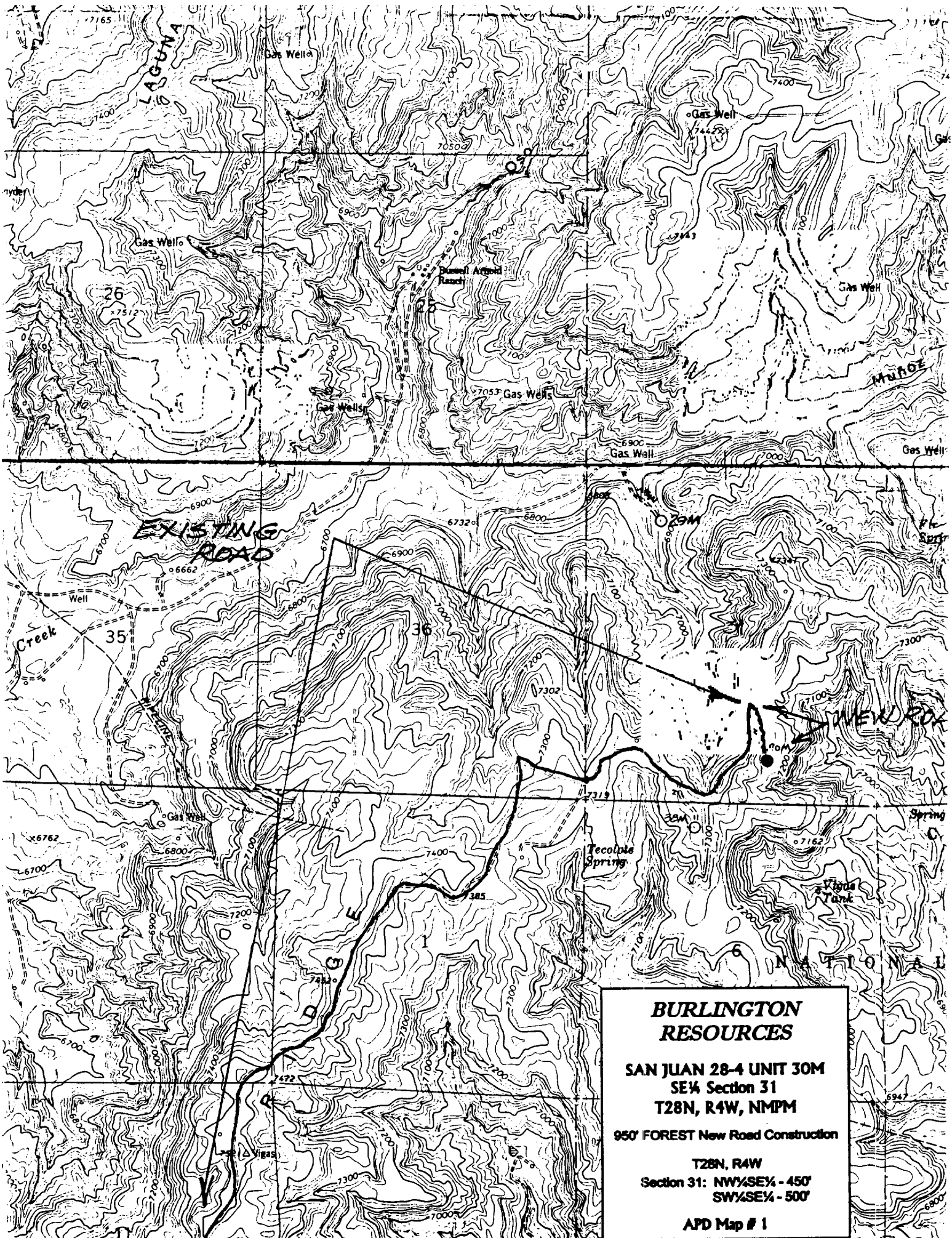
BOP Specifications, Wellhead and Tests:

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 28-4 UNIT 30M
SE¼ Section 31
T28N, R4W, NMPM

950' FOREST New Road Construction

T28N, R4W
Section 31: NW¼SE¼ - 450'
SW¼SE¼ - 500'

APD Map # 1