

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-079491
1b. Type of Well GAS	6. If Indian, All. or Tribe
2. Operator BURLINGTON RESOURCES 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 San Juan 27-5 Unit 9. Well Number 104M
4. Location of Well 1400' FNL, 1070' FWL Latitude 36° 35.5, Longitude 107° 18.9	10. Field, Pool, Wildcat Blanco MV/Basin Dk 11. Sec, Twn, Rge, Mer. (NMPM) Sec 12, T-27-N, R-5-W API # 30-039-
14. Distance in Miles from Nearest Town 8 miles to Gobernador	12. County RA
15. Distance from Proposed Location to Nearest Property or Lease Line 1070'	13. State NM
16. Acres in Lease	17. Acres Assigned to Well 320
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 1900'	
19. Proposed Depth 8609'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 7322' GR	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"
24. Authorized by: <u>[Signature]</u> Regulatory/Compliance Administrator	5-9-98 Date

PERMIT NO. _____ APPROVAL DATE 7/10/98
APPROVED BY _____ TITLE _____ DATE 7/10/98

NOTE: APD approved for this well in this 1/4 section in 1985

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.

OK

NMOC

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

Form C-1
Revised February 21, 19

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

58 JUN -8 PM 4:11 ☐ AMENDED REPORT

070 FARMINGTON, NM

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-25910	*Pool Code 72319/71599	*Pool Name Blanco Mesaverde/Basin Dakota
*Property Code 7454	*Property Name SAN JUAN 27-5 UNIT	*Well Number 104M
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY	*Elevation 7322'

10 Surface Location

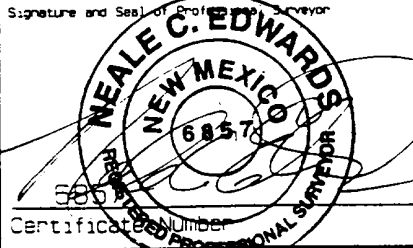
UL or Lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	12	27N	5W		1400	NORTH	1070	WEST	RIO ARriba

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 MV-W/320, DK-N/320	13 Joint or Infill	14 Consolidation Code	15 Order No.
--	--------------------	-----------------------	--------------

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

38.43 39.82	5314.98' 80.54 1400' 1070' 2536.38' NMSF-079491	5338.74' 2628.78' 2602.38' 2783.88' 5363.74' 12 JUL 13 1998 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.  Signature Peggy Bradfield Printed Name Regulatory Administrator Title 5-9-98 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 or under my supervision, and that the same is true and correct to the best of my belief. APRIL 2, 1998 Date of Survey  Signature and Seal of Professional Surveyor NEALE C. EDWARDS NEW MEXICO 68570 5863 Certification Number
-----------------------------------	---	--	--

OPERATIONS PLAN

Well Name: San Juan 27-5 Unit #104M
Location: 1400' FNL, 1070' FWL Sec 12, T-27-N, R-5-W
Rio Arriba County, NM
Latitude 36° 35.5, Longitude 107° 18.9
Formation: Blanco Mesa Verde/Basin Dakota
Elevation: 7322' GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	3588'	
Ojo Alamo	3588'	3746'	aquifer
Kirtland	3746'	3823'	
Fruitland	3823'	4176'	gas
Pictured Cliffs	4176'	4276'	gas
Lewis	4276'	4725'	gas
Intermediate TD	4376'		
Huerfanito Bentonite	4725'	5142'	gas
Chacra	5142'	5870'	
Massive Cliff House	5870'	6024'	gas
Menefee	6024'	6350'	gas
Massive Point Lookout	6350'	6865'	gas
Mancos Shale	6865'	7510'	
Gallup	7510'	8274'	gas
Greenhorn	8274'	8424'	gas
Dakota	8424'		gas
TD (4 1/2" liner)	8609'		

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- 500'	Spud	8.4-9.0	40-50	no control
500-4376'	LSND	8.4-9.0	30-60	no control
4376-8609'	Gas/Air	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' - 500'	9 5/8"	32.3#	WC-50
8 3/4"	0' - 4376'	7"	20.0#	J-55
6 1/4"	4276' - 8609'	4 1/2"	10.5#	K-55

Tubing Program:

0' - 8609'	2 3/8"	4.70# EUE
------------	--------	-----------

BURLINGTON RESOURCES OIL & GAS COMPANY SAN JUAN 27-5 UNIT #104M

1400' FNL & 1070' FWL, SECTION 12, T27N, R5W, N.M.P.M.
RIO ARriba COUNTY, NEW MEXICO

APD MAP #1

3300' NEW BLM CONSTRUCTION
900' NE/NE SECTION 11, T27N, R5W
1200' NWNW SECTION 12, T27N, R5W
1200' SWNW SECTION 12, T27N, R5W

