

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	RECEIVED MAR - 6 1998 OIL CON. DIV. DIST. 3	5. Lease Number SF-079492B Unit Reporting Number
1b. Type of Well GAS		6. If Indian, All. or Tribe
2. Operator BURLINGTON RESOURCES 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 1454 San Juan 27-5 Unit 9. Well Number 120M
4. Location of Well 1450' FSL, 1675' FEL Latitude 36° 33.3, Longitude 107° 19.4		10. Field, Pool, Wildcat 72319 Blanco MV/Basin Dk 71599 11. Sec., Twn, Rge, Mer. (NMPM) j Sec 23, T-27-N, R-5-W API # 30-039-25792
14. Distance in Miles from Nearest Town 42 miles to Blanco		12. County Rio Arriba 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1450'		
16. Acres in Lease		17. Acres Assigned to Well 320 E/2 S/2 320 MV DK
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 350'		
19. Proposed Depth 7766	This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6529' 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:  Regulatory/Compliance Administrator		2/13/98 Date

PERMIT NO. _____

APPROVAL DATE **MAR 03 1998**

APPROVED BY /S/ Duane W. Spencer

TITLE _____

DATE **MAR - 3 1998**

Archaeological Report to be submitted by Arboles Contract Archaeology
Threatened and Endangered Species Report to be submitted by Ecosphere
NOTE: This format is issued in lieu of U.S. BLM Form 3160-3


NMOCD

District I
PO Box 1980, Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-1
Revised February 21, 19

District II
PO Drawer OD, Artesia, NM 88211-0719

Instructions on be
Submit to Appropriate District Offi
State Lease - 4 Copi
Fee Lease - 3 Copi

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

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

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

5-12-98 11:05

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-25792		*Pool Code 71599/72319	*Pool Name Basin Dakota/ Blanco Mesaverde
*Property Code 7454	*Property Name SAN JUAN 27-5 UNIT		*Well Number 120M
*OGRIID No. I4538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY		*Elevation 6529'

10 Surface Location

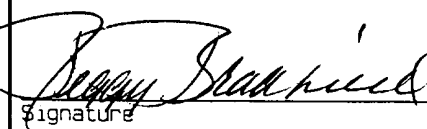
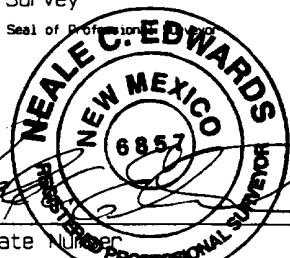
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	23	27N	5W		1450	South	1675	East	RIO ARriba

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 MV-320/E DK-320/S	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 2665.74' RECEIVED MAR - 6 1998 OIL CON. DIV. DIST. 3 5302.44' 120 FEE 2681.58'	2630.76' 10 2659.74' NMSF-079492B 23 NMSF-079492B 1675' 1450' 2707.32' 2717.88'	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 2/12/98 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. DECEMBER 2, 1997 Date of Survey  Signature and Seal of Professional Surveyor NEALE C. EDWARDS NEW MEXICO 6857 6857 Certificate Number
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OPERATIONS PLAN

Well Name: San Juan 27-5 Unit #120M
Location: 1450' FSL, 1675' FEL Sec 23, T-27-N, R-5-W
Rio Arriba County, NM
Latitude 36° 33.3, Longitude 107° 19.4
Formation: Blanco Mesa Verde/Basin Dakota
Elevation: 6529' GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	2714'	
Ojo Alamo	2714'	2880'	aquifer
Kirtland	2880'	2931'	
Fruitland	2931'	3307'	gas
Pictured Cliffs	3307'	3411'	gas
Lewis	3411'	3812'	gas
Intermediate TD	3511'		
Huerfanito Bentonite	3812'	4293'	gas
Chacra	4293'	4998'	
Massive Cliff House	4998'	5138'	gas
Menefee	5138'	5490'	gas
Massive Point Lookout	5490'	6643'	gas
Gallup	6643'	7421'	gas
Greenhorn	7421'	7511'	gas
Dakota	7511'		gas
TD (4 1/2" liner)	7766'		

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
200-3511'	LSND	8.4-9.0	30-60	no control
3511-7766'	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' - 3511'	7"	20.0#	J-55
6 1/4"	3411' - 7766'	4 1/2"	10.5#	K-55

Tubing Program:

0' - 7766' 2 3/8" 4.70# EUE

BURLINGTON RESOURCES OIL & GAS COMPANY SAN JUAN 27-5 UNIT #120M
1450' FSL & 1675' FEL, SECTION 23, T27N, R5W, N.M.P.M.
RIO ARriba COUNTY, NEW MEXICO

APD MAP #1

350' BLM NEW CONSTRUCTION
NW/SE SECTION 23, T27N, R5W

