

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-079398
1b. Type of Well GAS	Unit Reporting Number
2. Operator BURLINGTON RESOURCES 14538 Oil & Gas Company	6. If Indian, All. or Tribe
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	7. Unit Agreement Name San Juan 27-5 Unit
4. Location of Well 1615' FNL, 1470' FEL Latitude 36° 36.3, Longitude 107° 21.6	8. Farm or Lease Name 1454 San Juan 27-5 Unit
	9. Well Number 1E
10. Field, Pool, Wildcat 71599 Basin Dakota	11. Sec., Twn, Rge, Mer. (NMPM) G Sec 4, T-27-N, R-5-W
	API # 30-039-25828
14. Distance in Miles from Nearest Town 45 miles to Blanco	12. County Rio Arriba
	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1470'	
16. Acres in Lease 1043.43 CFR 3165.3 1043.43 CFR 3165.4	17. Acres Assigned to Well 319.69 E/2
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 400'	
19. Proposed Depth 7803'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6526' GR	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u>[Signature]</u> (Regulatory/Compliance Administrator)	<u>2/12/98</u> Date

PERMIT NO. _____ APPROVAL DATE APR 17 1998
APPROVED BY /s/ Deane W. Spencer TITLE _____ DATE _____

Archaeological Report to be submitted by Arboles Contract Arch
Threatened & Endangered Species Report submitted by Ecosphere

[Signature]

NM000

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-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

93 MAR 13 PM 1:36

☐ AMENDED REPORT

070 FARMINGTON, NM

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-25828		*Pool Code 71599	*Pool Name Basin Dakota
*Property Code 7475	*Property Name SAN JUAN 27-5 UNIT		*Well Number 1E
*OGRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY		*Elevation 6526'

¹⁰ Surface Location

UL or lot no. G	Section 4	Township 27N	Range 5W	Lot Idn	Feet from the 1615	North/South line North	Feet from the 1470	East/West line East	County RIO ARriba
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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 E 319.69		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

¹⁶		¹⁷ OPERATOR CERTIFICATION	
2659.80'		I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
4		Signature <i>Peggy Bradfield</i>	
3		Printed Name Peggy Bradfield	
2		Regulatory Administrator Title 2/12/98	
1		Date	
2748.24'		¹⁸ SURVEYOR CERTIFICATION	
RECEIVED APR 20 1998 OIL CON. DIV. DIST. 3		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.	
NMSF-079393		NOVEMBER 24, 1997	
1615'		Date of Survey	
1470'		Signature and Seal of Professional Surveyor <i>Neale C. Edwards</i>	
1338.48'		NEALE C. EDWARDS NEW MEXICO 6857	
1366.20'		Certificate No. 6857	
2695.44'			
5361.18'			

OPERATIONS PLAN

Well Name: San Juan 27-5 Unit #1E
Location: 1615' FNL, 1470' FEL Sec 4, T-27-N, R-5-W
Rio Arriba County, NM
Latitude 36° 36.3, Longitude 107° 21.6
Formation: Basin Dakota
Elevation: 6526' GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	2688'	
Ojo Alamo	2688'	2988'	aquifer
Fruitland	2988'	3353'	gas
Pictured Cliffs	3353'	3458'	gas
Lewis	3458'	3868'	gas
Intermediate TD	3558'		
Huerfanito Bentonite	3868'	4313'	gas
Chacra	4313'	5012'	
Massive Cliff House	5023'	5198'	gas
Menefee	5198'	5528'	gas
Massive Point Lookout	5528'	6698'	gas
Gallup	6698'	7458'	gas
Greenhorn	7458'	7548'	gas
Dakota	7548'		gas
TD (4 1/2" liner)	7803'		

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
200-3558'	LSND	8.4-9.0	30-60	no control
3558-7803'	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' - 3558'	7"	20.0#	J-55
6 1/4"	3458' - 7803'	4 1/2"	10.5#	K-55

Tubing Program:

0' - 7803'	2 3/8"	4.70#	EUE
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BURLINGTON RESOURCES OIL & GAS COMPANY SAN JUAN 27-5 UNIT #1E

1615' FNL 1470' FEL SEC 4, T27N, R5W
RIO ARriba COUNTY, NEW MEXICO

APD MAP #1

NO NEW CONSTRUCTION
SWNE SECTION 4, T27N, R5W

