

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-078945 Unit Reporting Number 8910005380
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 29-7 Unit ✓
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name 7465 San Juan 29-7 Unit 9. Well Number 85B ✓
4. Location of Well ✓ 1795' FSL, 4510' FWL - surface 285' FSL, 245' FWL - bottom hole Latitude 36° 45.1, Longitude 107° 31.5	10. Field, Pool, Wildcat 72319 Blanco Mesa Verde ✓ 11. Sec., Twn, Rge, Mer. (NMPM) K Sec 1, T-29-N, R-7-W ✓ API # 30-039-25667 ✓
14. Distance in Miles from Nearest Town 3.5 miles to Navajo City	12. County ✓ Rio Arriba 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1510' FSL surface; 245' bottomhole	17. Acres Assigned to Well 328 W/2 318.56 ✓
16. Acres in Lease	18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 120'
19. Proposed Depth 6247' TVD 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.) 6795' GR ✓	22. Approx. Date Work will Start DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u>Regan Bradfield</u> Regulatory/Compliance Administrator	Date <u>2-24-97</u>

PERMIT NO. _____

APPROVAL DATE APR 08 1997

APPROVED BY Errol B. [Signature]

TITLE Regulatory/Compliance Administrator

DATE APR 08 1997

Archaeological Report submitted by Arboles Contract Archaeology Technical Report #927

Threatened and Endangered Species Report submitted by Ecosphere

NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

NOTE: Order R-10720 dated January 9, 1997 covers well density and well location requirements

OK R-10720
(P)

NMOOD

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

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

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039-25667		Pool Code 72319	Pool Name Blanco Mesaverde
Property Code 7465	Property Name San Juan 29-7 Unit		Well Number 85R
OGRID No. 14538	Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY		Elevation 6795'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
K	1	29 N	7 W		1795	South	1510	West	R.A.

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
M	1	29 N	7 W		285	South	245	West	R.A.

¹² Dedicated Acres W/318.56	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. P-10720
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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		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 Date 2-24-97
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. 8-20-96 Date of Survey Signature and Seal of Professional Surveyor 		

OPERATIONS PLAN

Well Name: San Juan 29-7 Unit #85B
Surface Location: 1795' FSL, 1510' FWL Section 1, T-29-N, R-7-W
Bottomhole Location: 285' FSL, 245' FWL Section 1, T-29-N, R-7-W
Rio Arriba County, New Mexico
Latitude 36° 45.1, Longitude 107° 31.5
Formation: Blanco Mesa Verde
Elevation: 6795' GL

<u>Formation Tops:</u>	<u>Top - TVD</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	2772'	aquifer
Ojo Alamo	2772'	3237'	aquifer
Fruitland	3237'	3682'	gas
Pictured Cliffs	3682'	3837'	gas
Lewis	3837'	4427'	gas
Intermediate TD	3937'		
Mesa Verde	4427'	5432'	gas
Massive Cliff House	5432'	5527'	gas
Menefee	5527'	5847'	gas
Point Lookout	5847'		gas
Total Depth	6247' TVD		

Logging Program:

Cased hole logging - Gamma Ray Neutron from 2800' to TD
Mud Logs/Coring/DST - none

Mud Program:

<u>Interval- MD</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
500-4360'	LSND	8.4-9.0	30-60	no control
4360-6750'	Air/Mist	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>Measured Depth</u>	<u>TVD</u>	<u>Csq Size</u>	<u>Weight</u>	<u>Grade</u>
12 1/4"	0' - 500'	0- 500'	9 5/8"	32.3#	H-40
8 3/4"	0' - 4360'	0-3541'	7"	20.0#	J-55
6 1/4"	4260' - 6750'	3937-6247'	4 1/2"	10.5#	J-55

Tubing Program: 0' - 6247' 2 3/8" 4.7# J-55

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.

