

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-079731 Unit Reporting Number 8910009330	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
2. Operator BURLINGTON RESOURCES Oil & Gas Company	7. Unit Agreement Name San Juan 28-4 Unit	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name San Juan 28-4 Unit 9. Well Number 5C	
4. Location of Well 2305' FNL, 75' FWL Latitude 36° 37.0, Longitude 107° 17.0	10. Field, Pool, Wildcat Blanco Mesaverde 11. Sec., Twn, Rge, Mer. (NMPM) E Sec. 32, T-28-N, R-4-W APT# 30-039-26288	
14. Distance in Miles from Nearest Town 12 miles from Gobernador	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 75'		
16. Acres in Lease	17. Acres Assigned to Well 320 N/2	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 1800'		
19. Proposed Depth 6776' ✓	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 7314' 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><i>Deputy Cole</i></u> Regulatory/Compliance Administrator	<u>12-7-99</u> Date	

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY */s/ Jim Lovato* TITLE _____ DATE JUN 21 2000

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.

[Signature]
NMCO

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 300039 26288	Pool Code 72319	Pool Name Blanco Mesaverde
Property Code 7459	Property Name SAN JUAN 28-4 UNIT	Well Number 5C
OGRID No. 14538	Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY	Elevation 7314'

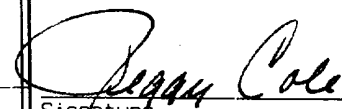
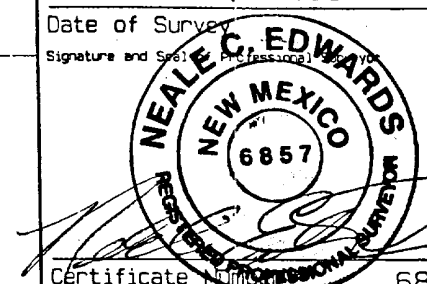
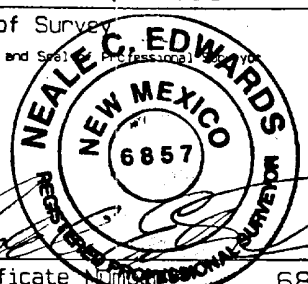
10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	32	28N	4W		2305	NORTH	75	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
Dedicated Acres N/320		Joint or Infill		Consolidation Code		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

<div>16</div> <div>5302.44'</div> <div>2305'</div> <div>5280.00'</div> <div>32</div> <div>5280.00'</div>	<div>OPERATOR CERTIFICATION</div> <div>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</div> <div></div> <div>Signature</div> <div>Printed Name Peggy Cole</div> <div>Regulatory Administrator</div> <div>Title</div> <div>Date 12-7-99</div>	
	<div>18 SURVEYOR CERTIFICATION</div> <div>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.</div> <div>OCTOBER 6, 1999</div> <div>Date of Survey</div> <div></div> <div>Signature and Seal</div> <div></div> <div>Certificate No. 6857</div>	
	<div>RECEIVED</div> <div>JUN 2000</div> <div>OIL CON. DIV</div> <div>DIST. 3</div>	

OPERATIONS PLAN

Well Name: San Juan 28-4 Unit #5C
Surface Location: 2305' FNL, 75' FWL, Section 32, T-28-N, R-4-W
Rio Arriba County, New Mexico
Latitude 36° 37.0, Longitude 107° 17.0
Formation: Blanco Mesa Verde
Elevation: 7314' GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	3666'	aquifer
Ojo Alamo	3666'	3786'	aquifer
Kirtland	3786'	3870'	gas
Fruitland	3870'	4226'	gas
Pictured Cliffs	4226'	4348'	gas
Lewis	4348'	4821'	gas
Intermediate TD	4448'		
Mesa Verde	4821'	5201'	gas
Chacra	5201'	6006'	gas
Massive Cliff House	6006'	6056'	gas
Menefee	6056'	6376'	gas
Point Lookout	6376'		gas
Total Depth	6776'		

Logging Program:

Cased hole Gamma Ray, Cement bond - surface 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- 200'	Spud	8.4-9.0	40-50	no control
200- 4448'	LSND	8.4-9.0	30-60	no control
4448- 6776'	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>Csg Size</u>	<u>Weight</u>	<u>Grade</u>
12 1/4"	0' - 200'	9 5/8"	32.3#	H-40
8 3/4"	0' - 4448'	7"	20.0#	J-55
6 1/4"	4348' - 6776'	4 1/2"	10.5#	J-55

Tubing Program: 0' -6776' 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.

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.

2305' FNL & 75' FWL, SECTION 32, T28N, R4W, N.M.P.M.
RIO ARRIBA COUNTY, NEW MEXICO

APD MAP #1

NO NEW CONSTRUCTION
SWNW SECTION 32, T28N, R4W

