

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-077652
Unit Reporting Number

1b. Type of Well
GAS

6. If Indian, All. or Tribe

2. Operator
BURLINGTON RESOURCES Oil & Gas Company
14538

7. Unit Agreement Name

3. Address & Phone No. of Operator
PO Box 4289, Farmington, NM 87499
(505) 326-9700

8. Farm or Lease Name
East

9. Well Number
5E

4. Location of Well
1615' FNL, 875' FWL

10. Field, Pool, Wildcat
Basin Dakota

11. Sec., Twn, Rge, Mer. (NMPM)
Sec 24, T-31-N, R-12-W
API # 30-045-

14. Distance in Miles from Nearest Town
5 miles to Aztec

12. County
SJ

13. State
NM

15. Distance from Proposed Location to Nearest Property or Lease Line
875'

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
500'

19. Proposed Depth
7315'

20. Rotary or Cable Tools
Rotary

21. Elevations (DF, FT, GR, Etc.)
6150' GR

22. Approx. Date Work will Start

23. Proposed Casing and Cementing Program
See Operations Plan attached

24. Authorized by: Duane W. Spencer
Regulatory/Compliance Administrator

5-30-98
Date

**DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS"**

PERMIT NO. _____ APPROVAL DATE JUL 31 1998

APPROVED BY /S/ Duane W. Spencer TITLE _____ DATE JUL 31 1998

Archaeological Report submitted - Technical Report #1248 - Arboles

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.

NSL-4091 @

NMOCD

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

District II
PO Drawer 20, 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

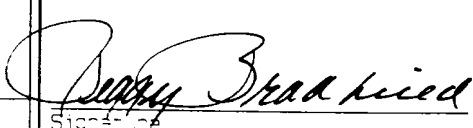
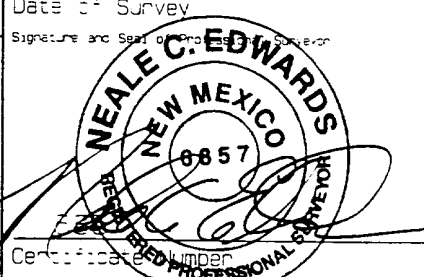
Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

03 JUN 1998 PM 1:24 AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-29646		Pool Code 171599		Pool Name Basin Dakota					
Property Code 18517		Property Name EAST						Well Number EE	
UGRID No. 14538		Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY						Elevation 6150'	
10 Surface Location									
J. or lot no. E	Section 24	Township 31N	Range 12W	Lot Idn.	Feet from the 1615	North/South line NORTH	Feet from the 875	East/West line WEST	County SAN JUAN
11 Bottom Hole Location If Different From Surface									
J. or lot no.	Section	Township	Range	Lot Idn.	Feet from the	North/South line	Feet from the	East/West line	County
12 Dedicated Acres DK 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

15 2681.91'		2674.32'		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 5-30-98 Date	
COMMINGLING ORDER PO-687		1615'		24	
23 AUG 3 1998 OIL CON. DIV. DIST. 3		875'		SF-077652	
5362.50'		5362.50'		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. MARCH 14, 1998 Date of Survey Signature and Seal of Professional Surveyor  Certificated Number	
2635.38'		2642.64'			

OPERATIONS PLAN

Well Name: East #5E
Location: 1615' FNL, 875' FWL Sec 24, T-31-N, R-12-W
San Juan County, NM
Latitude 36° 53.2, Longitude 108° 03.3
Formation: Basin Dakota
Elevation: 6150' GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	988'	
Ojo Alamo	988'	1094'	aquifer
Kirtland	1094'	2035'	gas
Fruitland	2035'	2660'	
Pictured Cliffs	2660'	2809'	gas
Lewis	2809'	3365'	gas
Huerfanito Bentonite	3365'	3737'	gas
Chacra	3737'	4288'	
Massive Cliff House	4288'	4425'	gas
Menefee	4425'	4961'	gas
Massive Point Lookout	4961'	5359'	gas
Mancos Shale	5359'	6265'	
Gallup	6265'	6990'	gas
Greenhorn	6990'	7040'	gas
Dakota	7040'		gas
TD	7315'		

Logging Program:

Mud Logs/Coring/DST -
Mud logs - 5300' to TD.
Coring - none
DST - none
Electric logs - DIL/SP/GR; Density/Neut/GR; Microlog-GR;

Mud Program:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	<u>Fluid Loss</u>
0- 320'	Spud	8.4-8.9	40-50	no control
320-7315'	LSND	8.4-9.0	40-60	no control

Pit levels will be visually monitored to detect gain or loss of fluid control.

Casing Program:

<u>Hole Size</u>	<u>Depth Interval</u>	<u>Csq. Size</u>	<u>Wt.</u>	<u>Grade</u>
12 1/4"	0' - 320'	8 5/8"	23.0#	M-50
7 7/8"	0' - 7315'	4 1/2"	10.5#	J-55

Tubing Program:

0' - 7315' 2 3/8" 4.7# J-55 EUE

