

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-078125 C78208
Unit Reporting Number
MV 14-08-001-4662

6. If Indian, All. or Tribe

1b. Type of Well
GAS

2. Operator
**BURLINGTON
RESOURCES** Oil & Gas Company

7. Unit Agreement Name

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

8. Farm or Lease Name
Sunray B
9. Well Number
1C

4. Location of Well
1720' FSL, 1665' FWL
Latitude 36° 48.6, Longitude 107° 52.5

10. Field, Pool, Wildcat
Blanco MV/Basin DK
11. Sec., Twn, Rge, Mer. (NMPM)
K Sec. 15, T-30-N, R-10-W
API # 30-045-30068

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

12. County San Juan 13. State NM

15. Distance from Proposed Location to Nearest Property or Lease Line
1665'

16. Acres in Lease

17. Acres Assigned to Well
319.34 W/2

18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease
250'

19. Proposed Depth 7730'

20. Rotary or Cable Tools
Rotary

21. Elevations (DF, FT, GR, Etc.)
6398' GR

22. Approx. Date Work will Start

23. Proposed Casing and Cementing Program
See Operations Plan attached

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLY WITH ATTACHED
"GENERAL REQUIREMENTS"

24. Authorized by: Jerry Cole
Regulatory/Compliance Administrator

12-1-99
Date

PERMIT NO. _____

APPROVAL DATE _____

APPROVED BY /s/ Charlie Beecham

TITLE _____

DATE FEB 11 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.

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MMOCD

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 30-045-30068		Pool Code 72319/71599	Pool Name Blanco Mesaverde/Basin Dakota
Property Code 7563	Property Name SUNRAY B		Well Number 1C
GRID No. 14538	Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY		Elevation 6398'

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
K	15	30N	10W		1720	SOUTH	1665	WEST	SAN JUAN

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: W/319.34 DK: W/319.34	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			
LOT 4 * SF-078125				I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.			
LOT 5 LOT 6 LOT 7 LOT 8				Signature <i>Peggy Cole</i>			
LOT 9 LOT 10 LOT 11 LOT 12				Printed Name Peggy Cole			
LOT 13 LOT 14 LOT 15 LOT 16				Title Regulatory Administrator			
SF-078208				Date 12-1-99			
15				18 SURVEYOR CERTIFICATION			
1665'				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.			
2644.62'				Date of Survey SEPTEMBER 27, 1999			
2636.70'				Signature and Seal of Professional Surveyor <i>Neale C. Edwards</i>			
5126.88'				Certificate Number 6857			
5231.16'				6857			
5385.60'							

OPERATIONS PLAN

Well Name: Sunray B #1C
Location: 1720' FSL, 1665' FWL, Sec 15, T-30-N, R-10-W
San Juan County, NM
Latitude 36° 48.6, Longitude 107° 52.5
Formation: Otero Chacra/Blanco Mesa Verde/Basin Dakota
Elevation: 6398' GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	1748'	
Ojo Alamo	1748'	1837'	aquifer
Kirtland	1837'	2568'	gas
Fruitland	2568'	3030'	gas
Pictured Cliffs	3030'	2297'	gas
Lewis	3180'	3763'	gas
Intermediate TD	3280'		
Mesa Verde	3763'	4040'	gas
Chacra	4040'	4630'	gas
Massive Cliff House	4630'	4814'	gas
Menefee	4814'	5280'	gas
Massive Point Lookout	5280'	5595'	gas
Mancos	5595'	6345'	gas
Gallup	6345'	7286'	gas
Greenhorn	7286'	7340'	gas
Graneros	7340'	7385'	gas
Dakota	7385'		gas
TD	7730'		

Logging Program:

Open hole - GR, SP, AIT, ML, CNL, CDL,
Cased hole - CBL-CCL-GR - TD to surface

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- 3280'	LSND	8.4-9.0	30-60	no control
3280- 7730'	Gas	n/a	n/a	n/a

Fit 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>Csg. Size</u>	<u>Wt.</u>	<u>Grade</u>
12 1/4"	0' - 200'	9 5/8"	32.3#	WC-50
8 3/4"	0' - 3280'	7"	20.0#	J-55
6 1/4"	3180' - 7730'	5 1/2"	15.5#	K-55

Tubing Program:

0' - 5955'	1 1/2"	2.76#	J-55
0' - 7730'	1 1/2"	2.90#	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.

