

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 NM-03758 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 7565 Sunray C 9. Well Number 1B
4. Location of Well 2135' FNL, 395' FEL Latitude 36° 50.5, Longitude 107° 56.1	10. Field, Pool, Wildcat 72319 Blanco Mesa Verde 11. Sec., Twn, Rge, Mer. (NMPM) H Sec 1, T-30-N, R-11-W APN# 30-045-29524
14. Distance in Miles from Nearest Town 3 miles to Aztec	12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 395'	17. Acres Assigned to Well H/320 H/2 N/320.40 - 372.34
16. Acres in Lease	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 1200'	
19. Proposed Depth 5232	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6000' 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>[Signature]</u> (Regulatory/Compliance Administrator)	Date <u>Oct 21-97</u>

PERMIT NO. _____ APPROVAL DATE FEB 06 1998
APPROVED BY /s/ Duane W. Spencer TITLE _____ DATE _____

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 - NOS submitted 10-16-97

Hold C-184 FOR N56E

NMOCD

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
Revised February 21,
Instructions on
Submit to Appropriate District C
State Lease - 4 C
Fee Lease - 3 C

OIL CONSERVATION DIVISION

PO Box 2088
Santa Fe, NM 87504-2088

9700-4 10-1-92 ☐ AMENDED REP

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-29524	² Pool Code 72319	³ Pool Name Blanco Mesaverde
⁴ Property Code 7565	⁵ Property Name SUNRAY C	⁶ Well Number 1B
⁷ GRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY	⁹ Elevation 6000'

¹⁰ Surface Location

UL or lot no. H	Section 1	Township 30N	Range 11W	Lot Idn	Feet from the 2135	North/South line North	Feet from the 395	East/West line East	Count SAN
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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	Count
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¹² Dedicated Acres 372.34 N/320.40	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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				5357.88'				¹⁷ OPERATOR CERTIFICATE			
4				3				2			
NMSF-078198				NMNM-03758				2135'			
5				6				7			
2628.78'				1				395'			
5258.88'				8				Date 10-21-97			
12				11				¹⁸ SURVEYOR CERTIFICATE			
10				9				I hereby certify that the well location shown on			
2651.88'				13				was plotted from field notes of actual surveys made			
14				15				or under my supervision and that the same is true			
5323.56'				16				correct to the best of my belief.			
								OCTOBER 4, 1997			
								Date of Survey			
								Signature and Seal of Surveyor			
								NEALE C. EDWARDS			
								6857			
								6857			
								Certificate Number			

OPERATIONS PLAN

Well Name: Sunray C #1B
Location: 2135'FNL, 395'FEL Section 1, T-30-N, R-11-W
Rio Arriba County, New Mexico
Latitude 36° 50.5, Longitude 107° 56.1
Formation: Blanco Mesa Verde
Elevation: 6000'GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	1252'	aquifer
Ojo Alamo	1252'	2142'	aquifer
Fruitland	2142'	2602'	
Pictured Cliffs	2602'	2757'	gas
Lewis	2757'	3302'	gas
Intermediate TD	2857'		
Mesa Verde	3302'	3377'	gas
Chacra	3377'	4197'	
Massive Cliff House	4197'	4402'	gas
Menefee	4402'	4832'	gas
Massive Point Lookout	4832'		gas
Total Depth	5232'		

Logging Program:

Cased hole logging - Gamma Ray Neutron
Coring/DST - none

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
200-2857'	LSND	8.4-9.0	30-60	no control
2857-5232'	Gas/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>Depth Interval</u>	<u>Csq. Size</u>	<u>Wt.</u>	<u>Grade</u>
12 1/4"	0' - 200'	9 5/8"	32.3#	H-40
8 3/4"	0' - 2857'	7"	20.0#	J-55
6 1/4"	2757' - 5232'	4 1/2"	10.5#	J-55

Tubing Program:

0' - 5232' 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.

**BURLINGTON
RESOURCES**

**Sunray C #1B
T30N, R11W**

700' BLM New Construction

T30N, R11W

Section 1: SENE 700'

APD MAP #1

