

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 14538 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 7565 Sunray C 9. Well Number 1C
4. Location of Well 2220' FNL, 2520' FEL Latitude 36° 50.5, Longitude 107° 56.5	10. Field, Pool, Wildcat 72319 Blanco Mesa Verde ✓ 11. Sec., Twn, Rge, Mer. (NMPM) G Sec 1, T-30-N, R-11-W ✓ API # 30-045-29523 ✓
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 2220'	17. Acres Assigned to Well 320 N/320.40 ✓
16. Acres in Lease	
18. Distance from Proposed Location to Nearest Well, Drig. Compl, or Applied for on this Lease 2000'	
19. Proposed Depth 5218 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.) 5996' 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>Regulatory/Compliance Administrator</u> <u>Regulatory/Compliance Administrator</u>	Date 10-21-97

PERMIT NO. _____ APPROVAL DATE FEB 09 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-104 FOR USL @

NR0002

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

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

Form 1
Revised February 21,
Instructions on
Submit to Appropriate District C
State Lease - 4 C
Fee Lease - 3 C

☐ AMENDED REP

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-24523		*Pool Code 72319	*Pool Name Blanco Mesaverde
*Property Code 7565	*Property Name SUNRAY C		*Well Number 1C
*OGRIID No. 14538	*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY		*Elevation 5996'

10 Surface Location

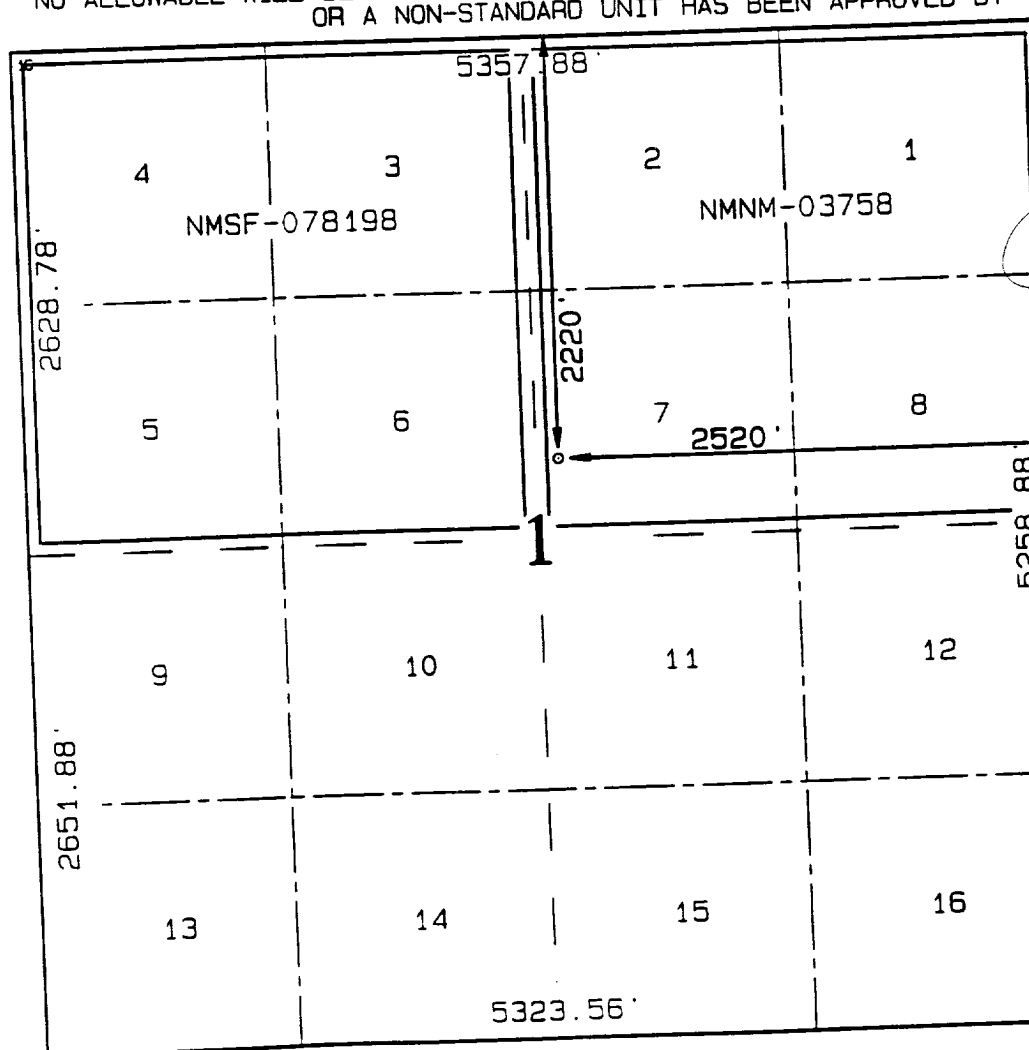
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	Count
G	1	30N	11W		2220	North	2520	East	SAN

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

12 Dedicated Acres N/320.40	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



17 OPERATOR CERTIFICATE

I hereby certify that the information contained herein is true and complete to the best of my knowledge and

Peggy Bradfield
Signature
Peggy Bradfield
Printed Name
Regulatory Administrator
Title
10-21-97
Date

18 SURVEYOR CERTIFICATE

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made or under my supervision, and that the same is true and correct to the best of my belief.

OCTOBER 4, 1997
Date of Survey

Signature and Seal of Professional Surveyor
Neale C. Edwards
NEALE C. EDWARDS
NEW MEXICO
6857
6857
Certificate Number

OPERATIONS PLAN

Well Name: Sunray C #1C
Location: 2220' FNL, 2520' FEL Section 1, T-30-N, R-11-W
Rio Arriba County, New Mexico
Latitude 36° 50.5, Longitude 107° 55.6
Formation: Blanco Mesa Verde
Elevation: 5977' GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	San Jose	1238'	aquifer
Ojo Alamo	1238'	2128'	aquifer
Fruitland	2128'	2588'	
Pictured Cliffs	2588'	2743'	gas
Lewis	2743'	3288'	gas
Intermediate TD	2843'		
Mesa Verde	3288'	3363'	gas
Chacra	3363'	4183'	
Massive Cliff House	4183'	4388'	gas
Menefee	4388'	4818'	gas
Massive Point Lookout	4818'		gas
Total Depth	5218'		

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
200-2843'	LSND	8.4-9.0	30-60	no control
2843-5218'	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' - 2843'	7"	20.0#	J-55
6 1/4"	2743' - 5218'	4 1/2"	10.5#	J-55

Tubing Program:

0' - 5218' 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 #1C
T30N, R11W**

No New Construction

T30N, R11W

**Section 1: SWNE Existing
BLM R.O.W.**

APD MAP #1

