

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK DRILL <input type="checkbox"/> DEEPEN <input checked="" type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. SF-078386A
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALOTTEE OR TRIBE NAME
2. NAME OF OPERATOR BURLINGTON RESOURCES OIL & GAS 3401 EAST 30TH FARMINGTON , NM 87402		7. UNIT AGREEMENT NAME
3. ADDRESS AND TELEPHONE NO. PEGGY COLE REPORT AUTHORIZER PHONE 505.326.9727 EXT: FAX: 505.326.9563 EMAIL: pbradfield@br-inc.com		8. FARM OR LEASE NAME, WELL NO. SUNRAY G 2A
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. *) At Surface 1050FSL AND 900FEL SESE SEC 21 T31N R9W At proposed prod. zone		9. API WELL NO. 3004522754
14. DISTANCE IN MILES AND DIRECTION FROM THE NEAREST TOWN OR POST OFFICE		10. FIELD AND POOL, OR WILDCAT BLANCO MESAVERDE
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 900	16. NO. ACRES IN LEASE	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SECTION 21 T31N R9W MERIDIAN NMP
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE FT.	19. PROPOSED DEPTH 7570 MD / TVD	12. COUNTY OR PARISH SAN JUAN
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6178 GL		13. STATE NM
22. APPROX. DATE WORK WILL START*		
23. PROPOSED CASING AND CEMENTING PROGRAM		
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT
SETTING DEPTH	QUANTITY OF CEMENT	

See attached C-102 plat, procedure, and wellbore diagram.



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. ELECTRONIC SUBMISSION #3985 VERIFIED BY THE BLM WELL INFORMATION SYSTEM FOR BURLINGTON RESOURCES OIL & GAS SENT TO THE FARMINGTON FIELD OFFICE		
SIGNED PEGGY COLE	TITLE REPORT AUTHORIZER	DATE 05/03/2001

PERMIT NO. _____ APPROVAL DATE 5/10/01

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY _____ TITLE _____ DATE 5/10/01

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

1 API Number 30-045-22754		2 Pool Code 72319/71599		3 Pool Name Blanco Mesaverde/Basin Dakota	
4 Property Code 7569		5 Property Name Sunray G			6 Well Number 2A
7 OGRID No. 14538		8 Operator Name Burlington Resources Oil & Gas Company			9 Elevation 6178' GL

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
P	21	31N	9W		1050	South	900	East	San Juan

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County

12 Dedicated Acres W/314.96	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 Original plat from David O. Vilyen, 8/11/77.		17 OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i> Signature Peggy Cole Printed Name Regulatory Supervisor Title Date	
21		18 SURVEYOR CERTIFICATION <i>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.</i> Date of Survey Signature and Seal of Professional Surveyer: Certificate Number	

Sunray G No 2A

It is intended to deepen the subject well to the Dakota formation by pulling the 2-3/8" tubing. Drill to new total depth of 7,570'. 2-7/8" 6.5# J-55 flush joint casing will be run from 7,570' to 5,712'. 2-7/8" 6.5# buttress will be run from 5,712' to surface. The casing will be cemented with 32 sacks of Class G cement. The Dakota formation will then be selectively perforated and fracture stimulated. A 1-1/4" tubing string will be run in the well and the well will be returned to production as a Mesa Verde/Dakota commingle completion. A C-102 plat is attached.

The 2-7/8" casing will be cut and recovered at 5,676', 10' below the Point Lookout perforations and 36' above the intermediate casing shoe. Top of cement will be at 6,680', the midpoint in the Mancos formation between the Point Lookout and Gallup formations. 40% excess will be included. We are asking for a variance to the 100' overlap requirement to prevent overlapping current Mesa Verde perforations. The cement top is calculated to isolate the Gallup and Dakota formations yet not overlap existing Mesa Verde perforations.

Sunray G No 2A
Unit P, Sec. 21, T31N, R09W
San Juan County, NM

CURRENT

PROPOSED

9-5/8" 32.3# H40
 Csg. Set at 217'
 Cement to sfc.

 TOC 7" csg @ 800' by CBL

7" 20# K-55Csg.
 Set at 3,387'

Cmt sqz – 5597' 50 sks
 Cmt sqz – 5,688 50 sks'

4-1/2", 10.5#, K55 Csg @
 5,712'

PBTD @ 5,690'
 TD @ 5,712'

Drill to 7,570', Run 2-7/8" flush
 jt csg & cmt. Selectively perf &
 frac Dakota. Commingle
 MV/DK

2-3/8" Tbg @ 5,594'

Top of Liner @ 3,206'

TOC @ 4,400' by CBL

CH/Menefee Perfs
 @ 4,560'-5,161'

Pt. Lookout Perfs
 @ 5,211 –5,666'

2-7/8" flush jt Csg.

1-14" IJ Tbg

5690'
 No cement 990'
 TOC 6680'

OHTD at 7,570'