

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

RECEIVED
MAR 2 2000
BUREAU OF LAND MANAGEMENT

1a. Type of Work DRILL	5. Lease Number SF-077730 Unit Reporting Number
1b. Type of Well GAS	6. If Indian, All. or Tribe
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 E 9. Well Number 2B
4. Location of Well 1450' FNL, 790' FWL Latitude 36° 49.8, Longitude 107° 53.7	10. Field, Pool, Wildcat Blanco MV/Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 9, T-30-N, R-10-W API # 30-045-30013
14. Distance in Miles from Nearest Town 6 miles from Aztec	12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 790'	17. Acres Assigned to Well 303.04 W/2
16. Acres in Lease	
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 200'	
19. Proposed Depth 7500'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6315' GR	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	DRILLING OPERATIONS AUTHORIZED SUBJECT TO COMPLIANCE WITH APPLICABLE "GENERAL REQUIREMENTS"
24. Authorized by: <u><i>Bryan Cole</i></u> Regulatory/Compliance Administrator	<u>10-2-99</u> Date

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY _____ 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

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.

ahsc

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

070 P. M. 10/2/99
SANTA FE, NM

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-30013		*Pool Code 72319/71599		*Pool Name Blanco Mesaverde/Basin Dakota	
*Property Code 7567		*Property Name SUNRAY E			*Well Number 2B
*GRID No. 14538		*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY			*Elevation 6315'

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
E	9	30N	10W		1450	NORTH	790	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 Designated Acres MV:W/303.04 DK:W/303.04		13 Unit 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		2635.38'		2663.76'		17 OPERATOR CERTIFICATION	
LOT 4		LOT 3		LOT 2		I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief	
1450'		LOT 5		LOT 6		Signature Peggy Cole	
790'		LOT 7		LOT 8		Printed Name Regulatory Administrator	
LOT 12		LOT 11		LOT 10		Title 10-2-99	
SF-077730		LOT 13		LOT 14		Date	
5103.12'		LOT 15		LOT 16		18 SURVEYOR CERTIFICATION	
LOT 12		LOT 11		LOT 10		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.	
LOT 13		LOT 14		LOT 15		SEPTEMBER 10, 1999	
LOT 12		LOT 11		LOT 10		Date of Survey	
LOT 13		LOT 14		LOT 15		Signature and Seal of Professional Surveyor	
LOT 13		LOT 14		LOT 15		NEALE C. EDWARDS NEW MEXICO 6857	
LOT 13		LOT 14		LOT 15		Certificate Number 6857	
LOT 13		LOT 14		LOT 15		5141.40'	

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

Sundry Notices and Reports on Wells

1. **Type of Well**
GAS

2. **Name of Operator**

**BURLINGTON
RESOURCES**

OIL & GAS COMPANY

3. **Address & Phone No. of Operator**

PO Box 4289, Farmington, NM 87499 (505) 326-2970

4. **Location of Well, Footage, Sec., T, R, M**

1450' FNL, 790' FWL, Sec. 9, T-30-N, R-10-W, NMPM

5. **Lease Number**
SF-077730

6. **If Indian, All. or
Tribe Name**

7. **Unit Agreement Name**

8. **Well Name & Number**
Sunray E #2B

9. **API Well No.**
30-045-30013

10. **Field and Pool**
Blanco MV/Easin DK
11. **County and State**
San Juan Co, NM

12. **CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA**

Type of Submission

Type of Action

☒ Notice of Intent	☐ Abandonment	☒ Change of Plans
☐ Subsequent Report	☐ Recompletion	☐ New Construction
☐ Final Abandonment	☐ Plugging Back	☐ Non-Routine Fracturing
	☐ Casing Repair	☐ Water Shut off
	☒ Altering Casing	☐ Conversion to Injection
	☐ Other -	

13. **Describe Proposed or Completed Operations**

It is intended to alter the approved casing depths and cement of the subject well:

Revisions:

Mud Program:

Interval	Type	Weight	Fluid Loss
0-200'	Spud	8.4-9.0	No Control
200-3211'	LSND	8.4-9.0	No Control
3211-7500'	Air/Mist	n/a	n/a

Casing Program:

Hole Size	Depth Interval	Casing Size	Weight	Grade
17-1/2"	0-200'	13-3/8"	48#	H-40
10-5/8"	0-3211'	8-5/8"	32#	J-55
7-7/8"	3111-7500'	5-1/2"	15.50#	J-55
	0-5587'	1-1/2"	2.75# IJ	
	0-7500'	1-1/2"	2.90# EUE	

Cementing Program:

13-3/8" surface casing - 353 sx Class "B" cement with 0.25 pps flocele and 3% calcium chloride (417 cu.ft. of slurry, 200% excess to circulate to surface).
 8-5/8" intermediate casing - Lead with 410 sx Class "B" cement with 3% sodium metasilicate, 5 pps Gilsonite, 0.25 pps flocele. Tail with 30 sx Class "B" cement with 2% sodium metasilicate, 2% calcium chloride, 5 pps Gilsonite and 0.25 pps flocele (1349 cu.ft. of slurry, 100% excess to circulate to surface).
 8-5/8" intermediate casing (alternative two stage cement job) - 1st Stage with 225 sx Class "B" cement with 2% sodium metasilicate, 2% calcium chloride, 5 pps Gilsonite and 0.25 pps flocele. 2nd Stage with 331 sx Class "B" cement with 3% sodium metasilicate, 5 pps Gilsonite, 0.25 pps flocele. Stage tool at 2290'. (1349 cu.ft. of slurry, 100% excess to circulate to surface).
 5-1/2" production liner - 826 sx Class "B" 50/50 poz with 2% gel, 0.25 pps flocele, 5 pps gilsonite, 0.4% fluid loss, 0.1% retardant (1065 cu.ft. of slurry, 40% excess to circulate to top of liner).

Wellhead:

13-3/8" x 8-5/8" x 1-1/2" EUE x 1-1/2" IJ x 5000 psi tree assembly.

14. **I hereby certify that the foregoing is true and correct.**

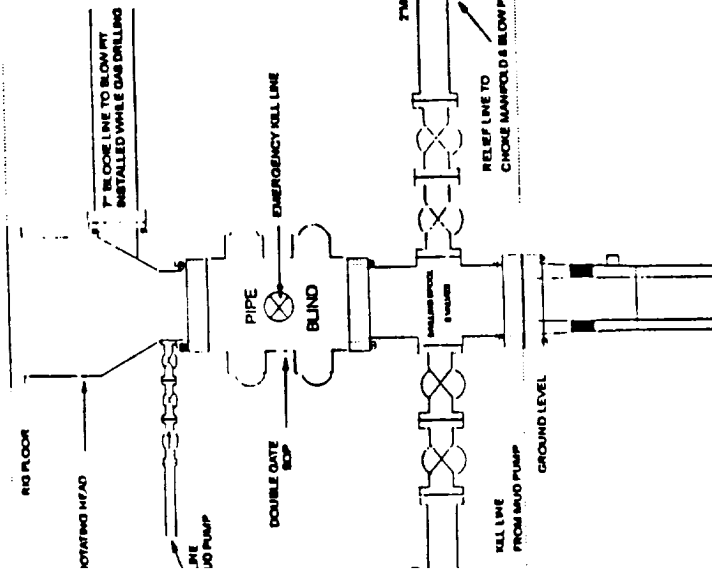
Signed Wayne Townsend Title Regulatory Administrator Date 1/26/00

(This space for Federal or State Office use)

APPROVED BY WAYNE TOWNSEND Title Acting Land Date 3/10/00

CONDITION OF APPROVAL, if any:

BOP Configuration 2M psi System

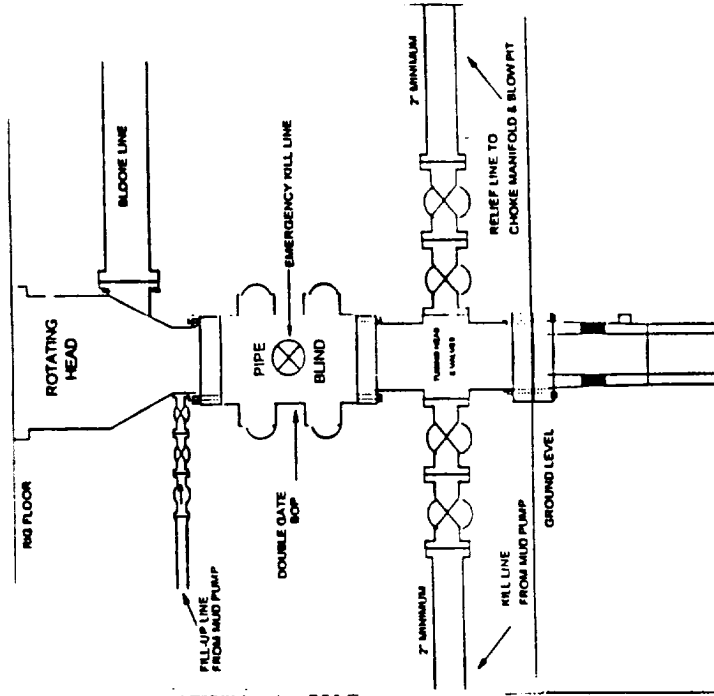


1,000 psi minimum working pressure double gate BOP to be equipped with blind and pipe rams. A Schaeffer Type 50 or equivalent rotating head to be installed on the top of the BOP. All equipment is 2,000 psi working pressure or better.

FIGURE #1

BURLINGTON RESOURCES

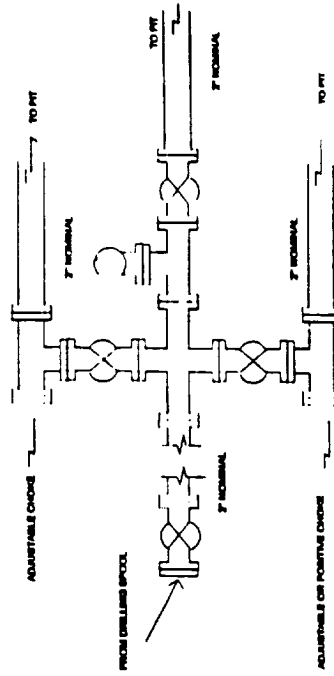
BOP Configuration 2M psi System



Minimum BOP installation for Completion operations. 7 1/16" Bore (6" Nominal). 2,000 psi minimum working pressure double gate BOP to be equipped with blind and pipe rams.

FIGURE #2

Choke Manifold Configuration 2M System



Minimum choke manifold installation from surface to Total Depth. 2" minimum, 2000psi working pressure equipment with two chokes.

Figure #3

BURLINGTON RESOURCES OIL & GAS COMPANY SUNRAY E #2B

1450' FNL & 790' FNL, SECTION 9, T30N, R10W, N.M.P.M.
SAN JUAN COUNTY, NEW MEXICO

APD MAP #1

300' NEW BLM CONSTRUCTION
SWNW SECTION 9, T30N, R10W.

NEW BLM
R.O.W.

EXISTING
R.O.W.

Knickerbocker
Peaks

Cerritos
Canyon

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