

District I
 PO Box 1980, Hobbs, NM 88241-1980
 District II
 811 South First, Artesia, NM 88210
 District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV
 2040 South Pacheco. Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
 2040 South Pacheco
 Santa Fe, NM 87505

Form C-101
 Revised October 18, 1994
 Instructions on back
 Submit to Appropriate District Office
 State Lease - 6 Copies
 Fee Lease - 5 Copies

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 SEP 30 1998

AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, **OIL CON. DIV.** DEEPEN, PLUG BACK, OR ADD A ZONE

¹ Operator Name and Address. Burlington Resources <i>Oil & Gas Co.</i> PO Box 4289, Farmington, NM 87499		² OGRID Number 14538
		³ API Number 30 - 039- <i>25975</i>
⁴ Property Code 7454	⁵ Property Name San Juan 27-5 Unit	⁶ Well No. 146M

⁷ 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	36	27N	5W		1675	North	935	West	Rio Arriba

⁸ Proposed 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
⁹ Proposed Pool 1 Basin Dakota - 71599					¹⁰ Proposed Pool 2 Blanco Mesaverde - 72319 <i>W/3:0</i>				

¹¹ Work Type Code N	¹² Well Type Code M	¹³ Cable/Rotary Rotary	¹⁴ Lease Type Code E-298-38	¹⁵ Ground Level Elevation 6684 GR
¹⁶ Multiple Y	¹⁷ Proposed Depth 7899	¹⁸ Formation Mesaverde/Dakota	¹⁹ Contractor N/a	²⁰ Spud Date N/a

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12 1/4"	9 5/8"	32.3#	200'	188 cu. ft.	Surface
8 3/4"	7"	20#	3644'	1095 cu. ft.	Surface
6 1/4"	4 1/2"	10.5#	3544-7899'	626 cu. ft.	TOC @ 3544

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

11" 2000 psi minimum double gate BOP

Note: to facilitate higher hydraulic stimulation completion work, no liner hanger will be used. In its place, a long string of 4 1/2" casing will be run and cemented with a minimum of 100' of cement overlap between the 4 1/2" and 7" casing strings. After completion of the well, a 4 1/2" retrievable bridge plug will be set below the top of cement in the 4 1/2" x 7" overlap. The 4 1/2" casing will then be backed off above the top of cement in the 4 1/2" x 7" overlap and laid down. The liner top can then be pressure tested to ensure a seal between the liner top and the 7" casing has been achieved. The test pressure shall be the maximum anticipated pressure to which the seal will be exposed (700 psi for the Mesa Verde and 2500 psi for the Dakota). The 4 1/2" bridge plug will then be retrieved and the production tubing will be run to produce the well.

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Peggy Bradfield*
 Printed name: Peggy Bradfield
 Title: Regulatory/Compliance Administrator
 Date: 9-29-98 Phone: 505-326-9700

OIL CONSERVATION DIVISION	
Approved by: <i>Ernie Busch</i>	
Title: DEPUTY OIL & GAS INSPECTOR, DIST. #3	
Approval Date: OCT 6 1998	Expiration Date: OCT 6 1999

District I
PO Box 1980, Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102

Revised February 21, 1994

District II
PO Drawer DD, Artesia, NM 88211-0719

Instructions on back

Submit to Appropriate District Office

District III
1000 Rio Brazos Rd., Aztec, NM 87410

State Lease - 4 Copies

Fee Lease - 3 Copies

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

AMENDED REPORT

District IV
PO Box 2088, Santa Fe, NM 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039- 25975		*Pool Code 71599/72319		*Pool Name Basin Dakota/Blanco Mesaverde	
*Property Code 7454		*Property Name SAN JUAN 27-5 UNIT			*Well Number 145M
*GRID No. 14538		*Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY			*Elevation 6684'

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	36	27N	5W		1675	NORTH	935	WEST	RIO ARRIBA

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 DK: W/320 MV: W/320	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

RECEIVED
SEP 30 1998

36 OIL CON. DIV

¹⁷ OPERATOR CERTIFICATION

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

Peggy Bradfield
Signature
Peggy Bradfield
Printed Name
Regulatory Administrator
Title
9-29-98
Date

¹⁸ SURVEYOR CERTIFICATION

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.

JULY 20, 1998
Date of Survey

Signature and Seal of Professional Surveyor

NEALE C. EDWARDS
NEW MEXICO
6857
PROFESSIONAL SURVEYOR

6857
Certificate Number