

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Engineering Bureau -
 2040 South Pacheco, Santa Fe, NM 87505



2320

ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATION FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location]
 [DD-Directional Drilling] [SD-Simultaneous Dedication]
 [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
 [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
 [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
 [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
 [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] **TYPE OF APPLICATION - Check Those Which Apply for [A]**

[A] Location - Spacing Unit - Directional Drilling
☐ NSL ☐ NSP ☐ DD ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement

☒ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery

☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

[2] **NOTIFICATION REQUIRED TO: - Check Those Which Apply, or ☐ Does Not Apply**

[A] ☒ Working, Royalty or Overriding Royalty Interest Owners

[B] ☒ Offset Operators, Leaseholders or Surface Owner

[C] ☐ Application is One Which Requires Published Legal Notice

[D] ☒ Notification and/or Concurrent Approval by BLM or SLO
 U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

[3] **INFORMATION / DATA SUBMITTED IS COMPLETE - Certification**

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, F ORRI) is common. I understand that any omission of data (including API numbers, pool codes, etc.), pertinent information and any required notification is cause to have the application package returned with no action taken

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Print or Type Name

Signature

Title

Date

DISTRICT I

P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II

811 South First St., Artesia, NM 88210-2835

DISTRICT III

1000 Rio Brazos Rd, Aztec, NM 87410-1693

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 S. Pacheco
Santa Fe, New Mexico 87505-6429Form C-107-A
New 3-12-96

APPROVAL PROCESS :

☒ Administrative ☐ Hearing

EXISTING WELLBORE

☒ YES ☐ NO

APPLICATION FOR DOWNHOLE COMMINGLING

Burlington Resources Oil & Gas Company

PO Box 4289, Farmington, NM 87499

Operator

Address

San Juan 27-4 Unit

69

34-27N-04W

Rio Arriba

Lease

Well No.

Unit Ltr. - Sec - Twp - Rge

County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 14538 Property Code 7452 API NO. 30-039-2072300 Federal ☒ State (and/or) Fee

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zone	Lower Zone
1. Pool Name and Pool Code	Blanco Mesaverde - 72319		Basin Dakota - 71599
2. Top and Bottom of Pay Section (Perforations)	will be supplied upon completion		will be supplied upon completion
3. Type of production (Oil or Gas)	Gas		Gas
4. Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
5. Bottomhole Pressure Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated or Measured Original	(Current) a. 630 psi (see attachment) (Original) b. 1375 psi (see attachment)	a. b.	a. 1326 psi (see attachment) b. 2919 psi (see attachment)
6. Oil Gravity (API) or Gas BTU Content	BTU 1156		BTU 1247
7. Producing or Shut-In?	shut in		shut in
Production Marginal? (yes or no)	No		Yes
* If Shut-In and oil/gas/water rates of last production Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data	Date: n/a Rates:	Date: Rates:	Date: n/a Rates:
* If Producing, give data and oil/gas/water of recent test (within 60 days)	Date: n/a Rates:	Date: Rates:	Date: n/a Rates:
8. Fixed Percentage Allocation Formula -% for each zone (total of %'s to equal 100%)	Oil: % Gas: % will be supplied upon completion	Oil: % Gas: %	Oil: % Gas: % will be supplied upon completion

9. If allocation formula is based upon something other than current or past production, or is based upon some other method, submit attachments with supporting data and/or explaining method and providing rate projections or other required data.

10. Are all working, overriding, and royalty interests identical in all commingled zones? ☐ Yes ☒ No
If not, have all working, overriding, and royalty interests been notified by certified mail? ☒ Yes ☐ No
Have all offset operators been given written notice of the proposed downhole commingling? ☒ Yes ☐ No11. Will cross-flow occur? ☒ Yes ☐ No If yes, are fluids compatible, will the formations not be damaged, will any cross-flowed production be recovered, and will the allocation formula be reliable. ☒ Yes ☐ No (If No, attach explanation)12. Are all produced fluids from all commingled zones compatible with each other? ☒ Yes ☐ No13. Will the value of production be decreased by commingling? ☐ Yes ☒ No (If Yes, attach explanation)14. If this well is on, or communitized with, state or federal lands, either the Commissioner of Public Lands or the United States Bureau of Land Management has been notified in writing of this application. ☒ Yes ☐ No15. NMOC Reference Cases for Rule 303(D) Exceptions: ORDER NO(S). ☐ attached

16. ATTACHMENTS:

- * C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- * Production curve for each zone for at least one year. (If not available, attach explanation.)
- * For zones with no production history, estimated production rates and supporting data.
- * Data to support allocation method or formula.
- * Notification list of all offset operators.
- * Notification list of working, overriding, and royalty interests for uncommon interest cases.
- * Any additional statements, data, or documents required to support commingling.

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

SIGNATURE Wayne Fletcher for BRF TITLE: Production Engineer DATE: 3-29-99

TYPE OR PRINT NAME Wayne Fletcher TELEPHONE NO. (505) 326-9700

BURLINGTON RESOURCES OIL AND GAS COMPANY

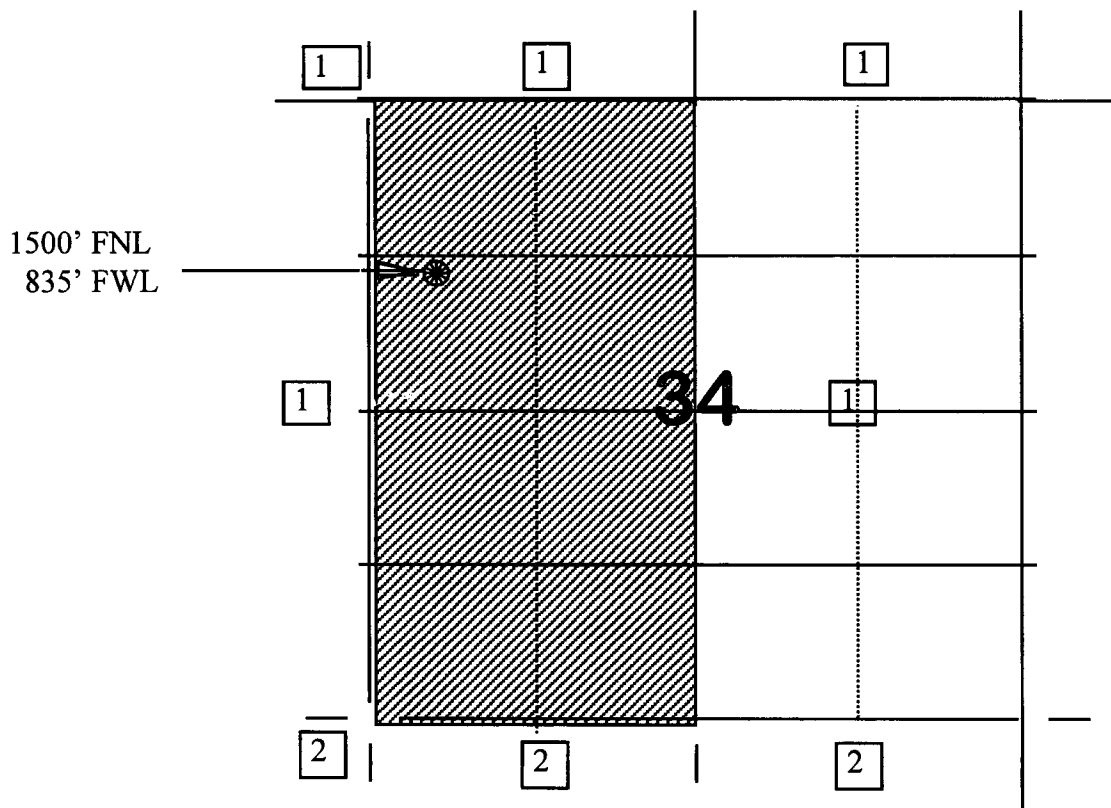
San Juan 27-4 Unit #69

OFFSET OPERATOR/OWNER PLAT

Mesaverde/Dakota Formations

Commingled well

Township 27 North, Range 4 West



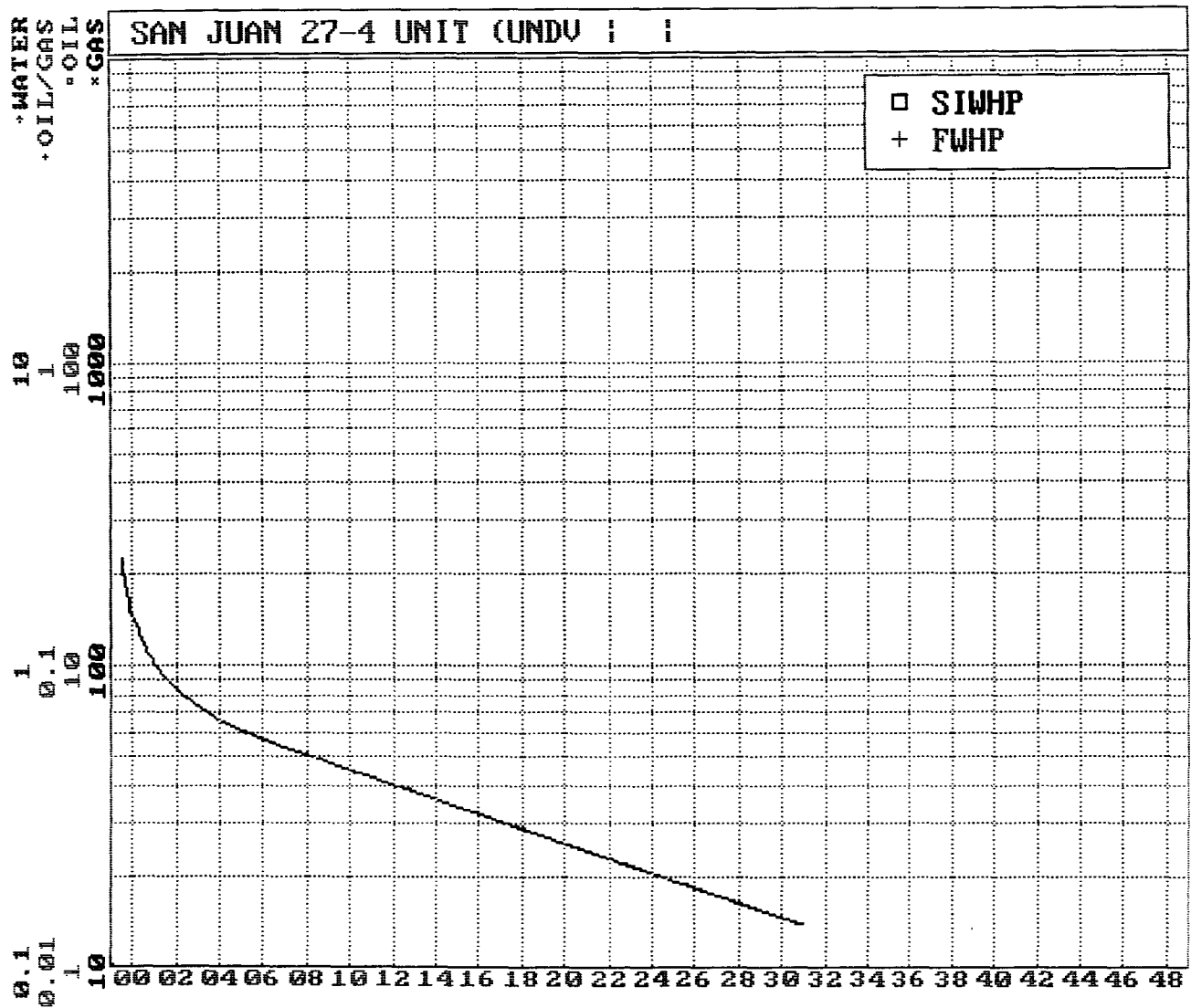
1) Burlington Resources

**2) Amoco Production Company
C/O Don Duhrkopf
501 West Lake Park Blvd.
Houston, TX 77079-2696**

San Juan 27-4 Unit # 69

Expected Production

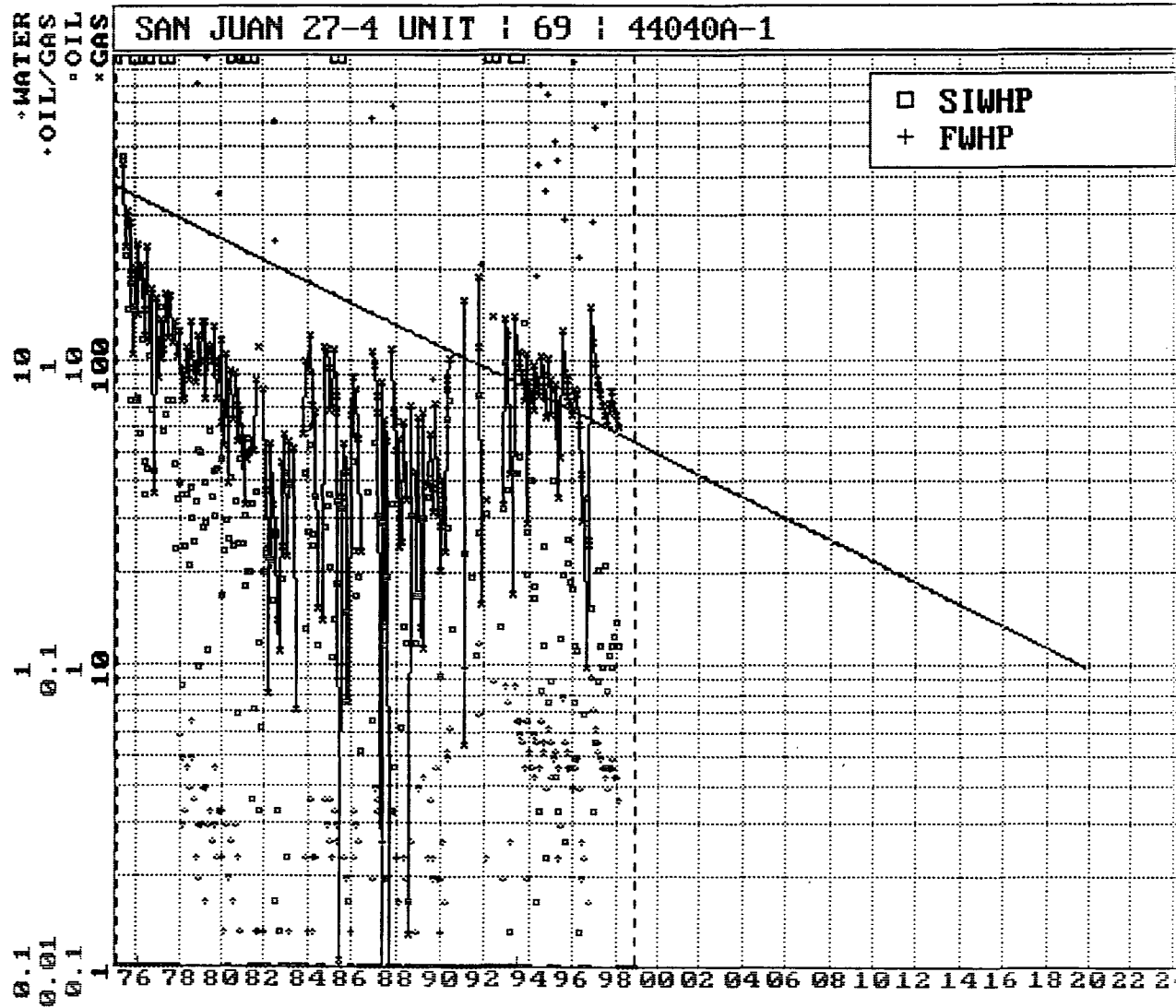
Mesaverde Formation



San Juan 27-4 Unit # 69

Actual Production

Dakota Formation



San Juan 27-4 Unit #69

Bottom Hole Pressures

Flowing and Static BHP

Cullender and Smith Method

Version 1.0 3/13/94

Mesaverde		Dakota	
<u>MV-Current</u>		<u>DK-Current</u>	
GAS GRAVITY	0.675	GAS GRAVITY	0.736
COND. OR MISC. (C/M)	C	COND. OR MISC. (C/M)	C
%N2	0.34	%N2	0.33
%CO2	0.8	%CO2	0.89
%H2S	0	%H2S	0
DIAMETER (IN)	1.5	DIAMETER (IN)	1.5
DEPTH (FT)	8372	DEPTH (FT)	8372
SURFACE TEMPERATURE (DEG F)	60	SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	137	BOTTOMHOLE TEMPERATURE (DEG F)	198
FLOWRATE (MCFPD)	0	FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	512	SURFACE PRESSURE (PSIA)	1047
BOTTOMHOLE PRESSURE (PSIA)	630.4	BOTTOMHOLE PRESSURE (PSIA)	1325.7
<u>MV-Original</u>		<u>DK-Original</u>	
GAS GRAVITY	0.675	GAS GRAVITY	0.736
COND. OR MISC. (C/M)	C	COND. OR MISC. (C/M)	C
%N2	0.34	%N2	0.33
%CO2	0.8	%CO2	0.89
%H2S	0	%H2S	0
DIAMETER (IN)	1.5	DIAMETER (IN)	1.5
DEPTH (FT)	8372	DEPTH (FT)	8372
SURFACE TEMPERATURE (DEG F)	60	SURFACE TEMPERATURE (DEG F)	60
BOTTOMHOLE TEMPERATURE (DEG F)	137	BOTTOMHOLE TEMPERATURE (DEG F)	198
FLOWRATE (MCFPD)	0	FLOWRATE (MCFPD)	0
SURFACE PRESSURE (PSIA)	1093	SURFACE PRESSURE (PSIA)	2264
BOTTOMHOLE PRESSURE (PSIA)	1375.3	BOTTOMHOLE PRESSURE (PSIA)	2918.8

Page No.: 1
Print Time: Wed Mar 03 16:53:43 1999
Property ID: 1186
Property Name: SAN JUAN 27-4 UNIT | 132A | 54069A-1
Table Name: Q:\PUBLIC\GENTITY\GDPNOS\TEST.DBF

--DATE-- ---CUM GAS-- M SIWHP
Mcf Psi

08/02/85	0	1093.0
05/05/86	60194	736.0
07/29/87	249642	572.0
10/16/88	398191	562.0
11/15/89	434727	736.0
07/24/91	566653	585.0
08/20/91	577221	573.0
08/02/93	719246	512.0

San Juan 27-4 Unit # 69

Mesaverde Offset

MJ

MJ 85887

Page No.: 9

Print Time: Wed Mar 03 16:28:17 1999

Property ID: 1279

Property Name: SAN JUAN 27-4 UNIT | 69 | 44040A-1

Table Name: Q:\PUBLIC\GENTITY\GDPNOS\TEST.DBF

--DATE-- ---CUM GAS-- M SIWHP
Mcf Psi

11/16/73	0	2264.0
01/23/76	58278	1032.0
06/25/76	85714	913.0
07/06/77	139433	832.0
09/02/80	254379	731.0
06/01/81	267161	691.0
06/04/85	331951	973.0
05/28/92	426194	1009.0
06/15/93	448515	1047.0

San Juan 27-4 Unit # 69

Existing Dakota

DK

M# 86771

70-079-3072320

AFI

1/2 @ 7363

BURLINGTON
RESOURCES

SAN JUAN DIVISION
3535 East 30th Street: (87402-8801)
P.O. BOX 4289
Farmington, New Mexico 87499-4289

BURLINGTON
RESOURCES

SAN JUAN DIVISION
3535 East 30th Street: (87402-8801)
P.O. BOX 4289
Farmington, New Mexico 87499-4289

Cinco General Partnership
PO Box 451
Albuquerque, NM 87103-0451

x

Bedrock Limited Partners
PO Box 36480
Albuquerque, NM 87176

BURLINGTON
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3535 East 30th Street: (87402-8801)
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Farmington, New Mexico 87499-4289

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SAN JUAN DIVISION
3535 East 30th Street: (87402-8801)
P.O. BOX 4289
Farmington, New Mexico 87499-4289

Tempe LTD Partnership
c/o F.E. & M. K. Harrington
652 Fearrington Post
Pittsboro, NC 27312

x

Harco LTD Partnership
PO Box 216
Roswell, NM 88202

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James V. Harrington
PO Box 13535
Albuquerque, NM 87192

x

Mary Jone Chappell
PO Box 1865
Corrales, NM 87048

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-10
Revised February 21, 1990
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 APT Number 30-039-20723		2 Pool Code 72319/71599		3 Pool Name Blanco Mesaverde/Basin Dakota	
4 Property Code 7452		5 Property Name San Juan 27-4 Unit			6 Well Number 69
7 OGRID No. 14538		8 Operator Name Burlington Resources Oil & Gas Company			9 Elevation 7168 GR

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	34	27N	4W		1500	North	835	West	RA

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 MV-W/320 DK-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

16				17 OPERATOR CERTIFICATION	
Original plat from David O. Vilven 9-27-68				I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
				Signature Peggy Bradfield	
				Printed Name Regulatory Administrator	
18 SURVEYOR CERTIFICATION				Title	
				Date	
				I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by or under my supervision, and that the same is true and correct to the best of my belief.	
				Date of Survey	
				Signature and Seal of Professional Surveyor:	
				Certificate Number	