

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

Jicarilla 150

12

N 01-26N-05W

Rio Arriba

Lease

Well No.

Unit Ltr. - Sec - Twp - Rge

County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO.

14538

Property Code

16344

API NO. 30-039-24211

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		Gallup - 45680
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. 544 psi (see attachment) (Original) b. 1151 psi (see attachment)	a. b.	a. 772 psi (see attachment) b. 1630 psi (see attachment)
6. Oil Gravity (API) or Gas BTU Content	BTU 1192		BTU 1253
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 ☐ 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 ☐ No

15. 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.
- * 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

Sean F. Corrigan

TITLE: Production Engineer

DATE: 11-15-99

TYPE OR PRINT NAME: Sean Corrigan

TELEPHONE NO.:

(505) 326-9700

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 30-039-24211		1 Pool Code 72319/72920		1 Pool Name Blanco Mesaverde/B. S. Mesa Gallup	
1 Property Code 16344		1 Property Name Jicarilla 150			1 Well Number 12
1 OGRID No. 14538		1 Operator Name Burlington Resources Oil & Gas Company			1 Elevation 7338 GR

10 Surface Location

UL or lot no. N	Section 1	Township 26N	Range 5W	Lot Idn	Feet from the 885	North/South line South	Feet from the 2465	East/West line West	County RA
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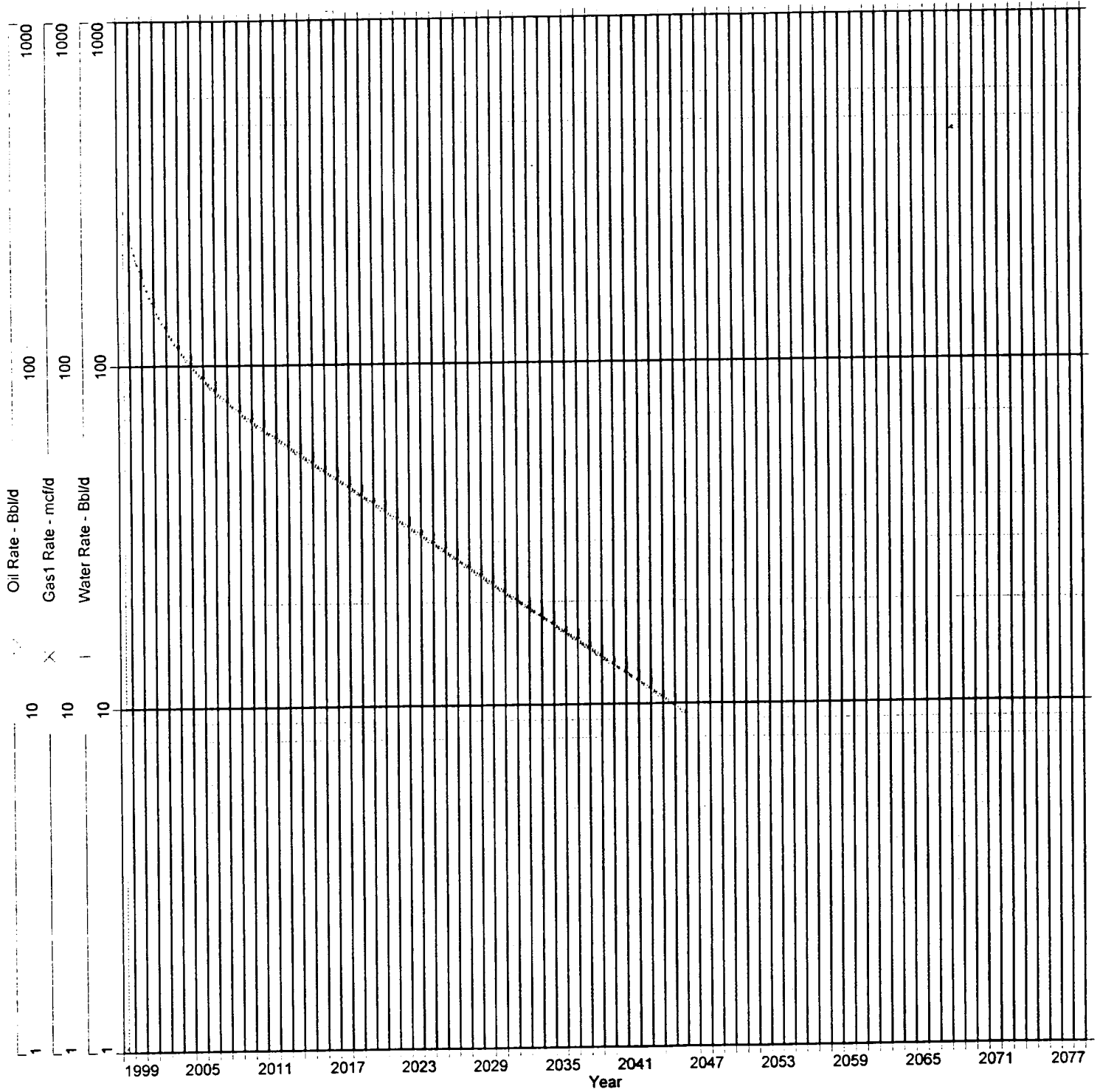
11 Bottom Hole Location If Different From Surface

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/319.88 Gal-160.84		13 Joint or Infill		14 Consolidation Code		15 Order No.			

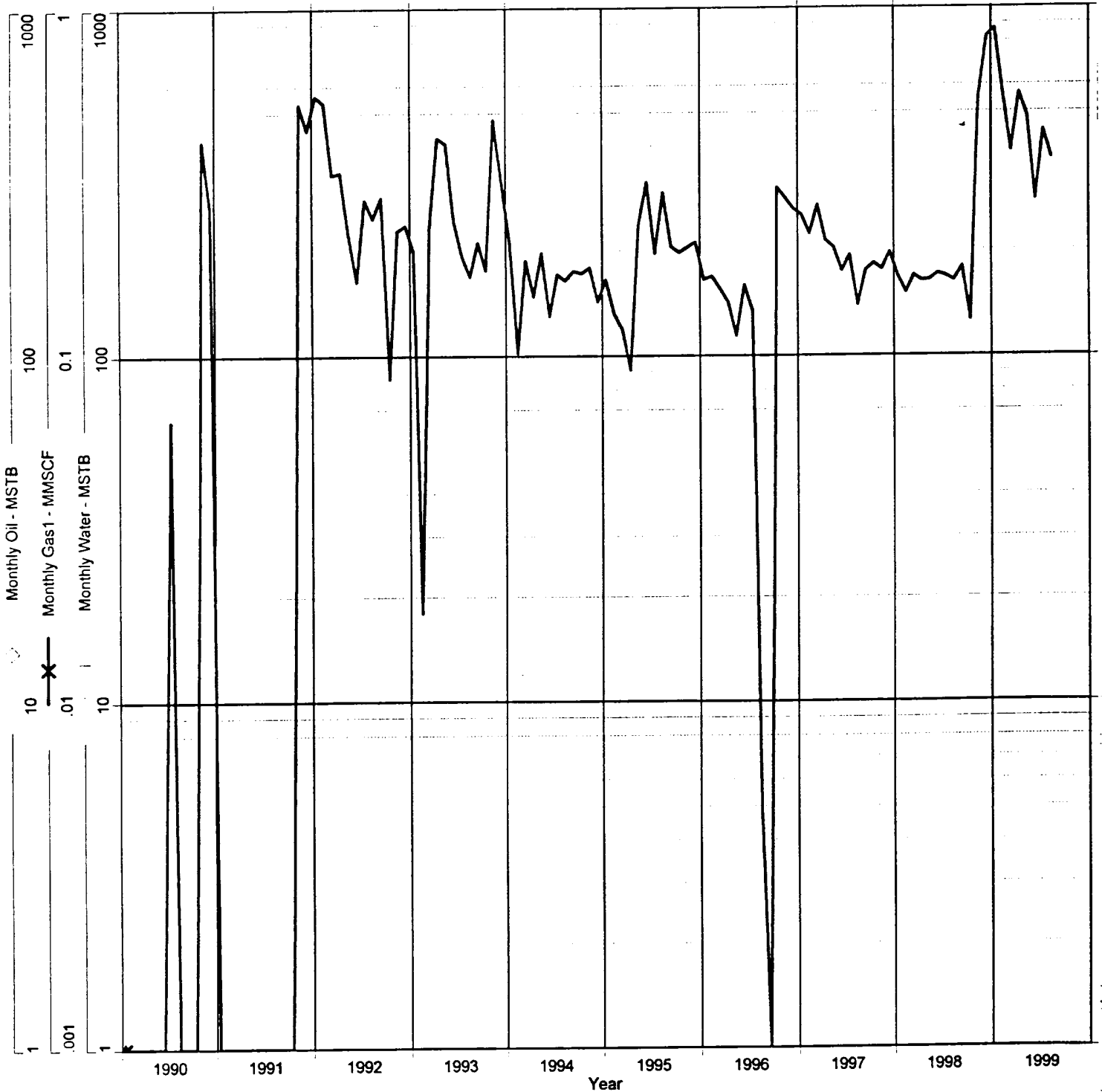
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16 Original plat from Cecil B. Tullis 11-3-87				17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief <i>Peggy Cole</i> Signature Peggy Cole Printed Name Regulatory Administrator Title 11-17-99 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. Date of Survey Signature and Seal of Professional Surveyor:	
				Certificate Number	
				2465' 885'	

Jicarilla 150 #12
Expected Production
Mesaverde Formation



Jicarilla 150 #12
Actual Production
Gallup Formation



Jicarilla 150 #12
Bottom Hole Pressures
Flowing and Static BHP
Cullender and Smith Method
Version 1.0 3/13/94

Mesaverde		Gallup	
<u>MV-Current</u>		<u>GP-Current</u>	
GAS GRAVITY	<u>0.688</u>	GAS GRAVITY	<u>0.723</u>
COND. OR MISC. (C/M)	<u>C</u>	COND. OR MISC. (C/M)	<u>C</u>
%N2	<u>0.47</u>	%N2	<u>0.36</u>
%CO2	<u>0.9</u>	%CO2	<u>0.73</u>
%H2S	<u>0</u>	%H2S	<u>0</u>
DIAMETER (IN)	<u>1.5</u>	DIAMETER (IN)	<u>2.375</u>
DEPTH (FT)	<u>5632</u>	DEPTH (FT)	<u>7715</u>
SURFACE TEMPERATURE (DEG F)	<u>60</u>	SURFACE TEMPERATURE (DEG F)	<u>60</u>
BOTTOMHOLE TEMPERATURE (DEG F)	<u>137</u>	BOTTOMHOLE TEMPERATURE (DEG F)	<u>198</u>
FLOWRATE (MCFPD)	<u>0</u>	FLOWRATE (MCFPD)	<u>0</u>
SURFACE PRESSURE (PSIA)	<u>472</u>	SURFACE PRESSURE (PSIA)	<u>633</u>
BOTTOMHOLE PRESSURE (PSIA)	<u>543.8</u>	BOTTOMHOLE PRESSURE (PSIA)	<u>771.7</u>
<u>MV-Original</u>		<u>GP-Original</u>	
GAS GRAVITY	<u>0.688</u>	GAS GRAVITY	<u>0.723</u>
COND. OR MISC. (C/M)	<u>C</u>	COND. OR MISC. (C/M)	<u>C</u>
%N2	<u>0.47</u>	%N2	<u>0.36</u>
%CO2	<u>0.9</u>	%CO2	<u>0.73</u>
%H2S	<u>0</u>	%H2S	<u>0</u>
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BOTTOMHOLE TEMPERATURE (DEG F)	<u>137</u>	BOTTOMHOLE TEMPERATURE (DEG F)	<u>198</u>
FLOWRATE (MCFPD)	<u>0</u>	FLOWRATE (MCFPD)	<u>0</u>
SURFACE PRESSURE (PSIA)	<u>986</u>	SURFACE PRESSURE (PSIA)	<u>1309</u>
BOTTOMHOLE PRESSURE (PSIA)	<u>1151.0</u>	BOTTOMHOLE PRESSURE (PSIA)	<u>1629.9</u>

Jicarilla 150 #12

Existing Gallup

	<u>Date</u>	<u>Pressure</u>
Jicarilla 150 12	1980- 03- 27	1,309
Jicarilla 150 12	1981- 06- 1	664
Jicarilla 150 12	1982- 04- 9	607
Jicarilla 150 12	1983- 06- 9	633

Jicarilla 150 #12

Mesaverde Offset

	<u>Date</u>	<u>Pressure</u>
JICARILLA 150 1	1954- 09- 2	986
JICARILLA 150 1	1970- 10- 23	946
JICARILLA 150 1	1971- 09- 26	709
JICARILLA 150 1	1972- 04- 17	554
JICARILLA 150 1	1973- 05- 17	591
JICARILLA 150 1	1974- 06- 2	496
JICARILLA 150 1	1976- 05- 3	444
JICARILLA 150 1	1978- 05- 18	458
JICARILLA 150 1	1980- 07- 25	505
JICARILLA 150 1	1982- 04- 9	405
JICARILLA 150 1	1984- 05- 2	564
JICARILLA 150 1	1986- 04- 23	567
JICARILLA 150 1	1989- 11- 29	603
JICARILLA 150 1	1991- 05- 1	671
JICARILLA 150 1	1991- 05- 15	659
JICARILLA 150 1	1993- 06- 1	472

Jicarilla 150 #12
Gallup / Mesaverde
26N - 5W - 01N

