

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 87505-6429

Form C-107-A
New 3-12-96

APPROVAL PROCESS:

☒ Administrative ☐ Hearing

EXISTING WELLBORE

☒ YES ☐ NO

APPLICATION FOR DOWNHOLE COMMINGLING

Operator
Conoco Inc.

Address
10 Desta Dr. Ste 100W, Midland, Tx. 79705-4500

Lease
Jicarilla 22

Well No
8

Section 16, T-25-N, R-4-W, 1

County
Rio Arriba

OGRID NO. 005073

Property Code

003203

API NO.

30-039-21280

Spacing Unit Lease Types: (check 1 or more)
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		Lindrith Gallup-Dakota, West 39189
2. TOP and Bottom of Pay Section (Perforations)	5656-5832'		6836-7947'
3. Type of production (Oil or Gas)	Gas		Oil
4. Method of Production (Flowing or Artificial Lift)	To be pumped		Artificial Lift
5. Bottomhole Pressure	a (Current)	a.	a.
Oil Zones - Artificial Lift: Estimated Current	583		860
Gas & Oil - Flowing: Measured Current	b(Original)	b.	b.
All Gas Zones: Estimated Or Measured Original	1314		2644
6. Oil Gravity (°API) or Gas BT Content	1269		1269
7. Producing or Shut-In?	To be Completed		Producing
Production Marginal? (yes or no)	Yes		Yes
• If Shut-In give date and oil/gas/ water rates of last production	Date Rates	Date Rates	Date Rates
Note: For new zones with no production history applicant shall be required to attach production estimates and supporting data.			
• If Producing, date and oil/gas/ water rates of recent test (within 60 days)	Date Rates	Date Rates	Date Rates
	Production to be allocated by subtraction - See Attached table		Est 7/98 61 MCFD, 1.2 BOPD, 0 BWPD
8. Fixed Percentage Allocation Formula - % for each zone	Oil % Gas %	Oil % Gas %	Oil % Gas %

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 ☐ No

11. 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 others ☒ Yes ☐ No

13. 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. NMOCD Reference Cases for Rule 303(D) Exceptions: ORDER NO(S).

16. ATTACHMENTS

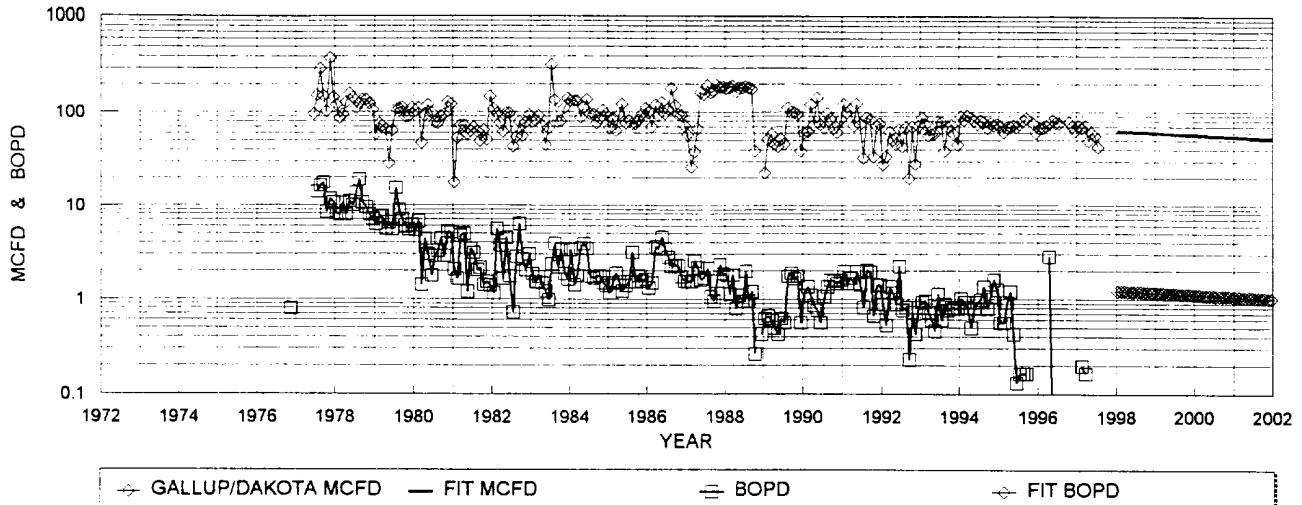
- * C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- * Production curve for each zone for at least one year. (If not available, attach explanation.)
- * For zones with no production history, estimated production rates and supporting data.
- * Data to support allocation 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 Kay Maddox TITLE Regulatory Agent DATE Feb 16, 1998

TYPE OR PRINT NAME Kay Maddox TELEPHONE NO. (915) 686-5798

**JICARILLA 22 NO. 8 GALLUP/DAKOTA PRODUCTION
SECTION 16I-25N-04W**



GALLUP DAKOTA HISTORICAL DATA: 1ST PROD: 11/76

OIL CUM: 18.90 MBO
 GAS CUM: 664.0 MMCF
 CUM OIL YIELD: 0.0285 BBL/MCF
 OIL YIELD: 0.0104 BBL/MCF, LAST 6 YRS
 AVG. USED: 0.0195 BBL/MCF

PROJECTED DATA

7/1/98 Qi: 61 MCFD
 DECLINE RATE: 4.6% (EXPONENTIAL)

PRODUCTION FORECAST FOR SUBTRACTION METHOD COMMINGLE ALLOCATION

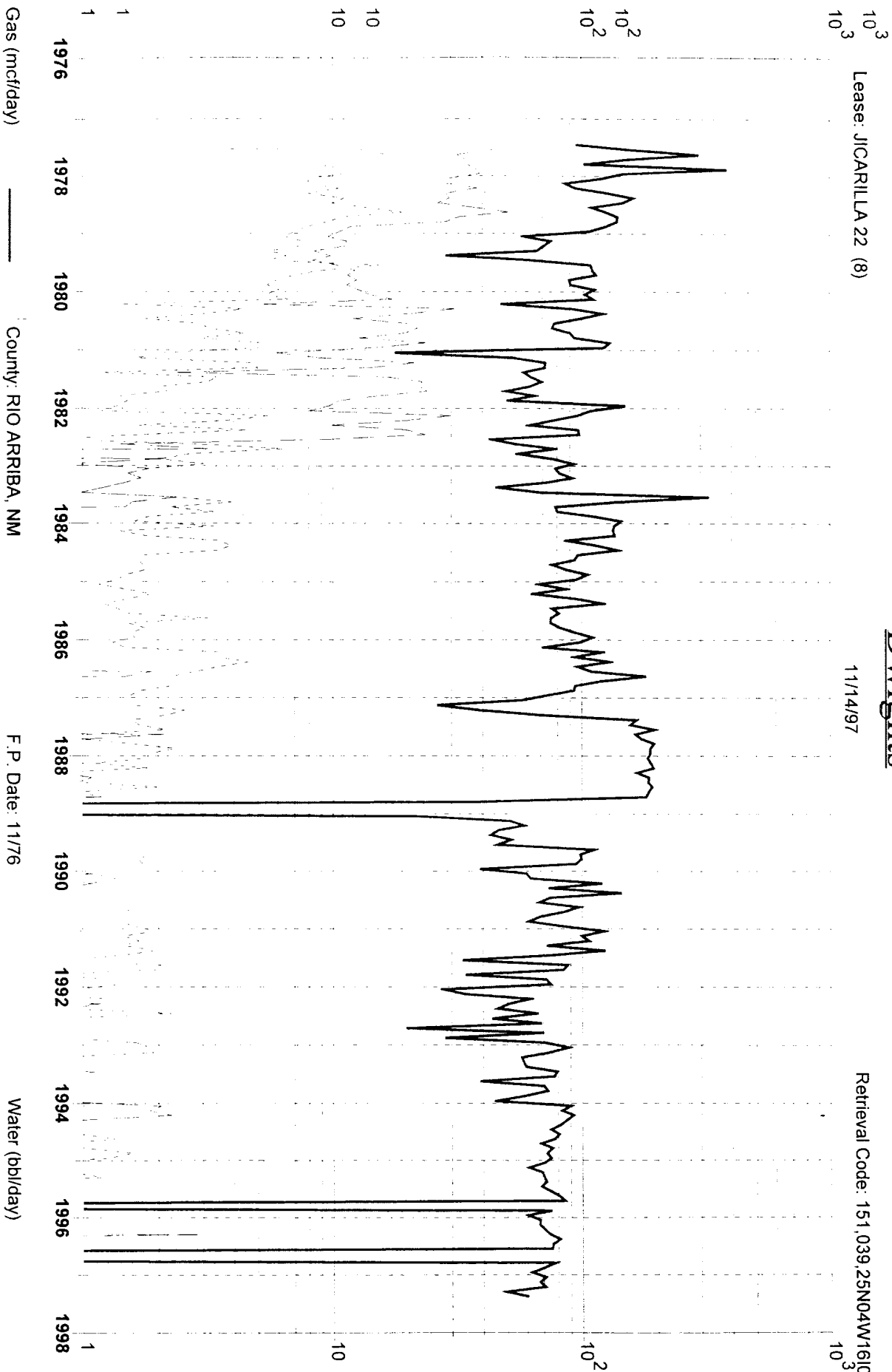
YEAR	MID-YEAR AVG. MCFD	MID-YEAR AVG. BOPD
1998	60	1.2
1997	58	1.1
1998	55	1.1
1999	53	1.0
2000	50	1.0
2001	48	0.9
2002	46	0.9
2003	44	0.8
2004	42	0.8
2005	40	0.8
2006	38	0.7
2007	36	0.7
2008	34	0.7
2009	33	0.6
2010	31	0.6
2011	30	0.6
2012	28	0.6
2013	27	0.5
2014	26	0.5
2015	25	0.5
2016	24	0.5
2017	23	0.4
2018	21	0.4
2019	20	0.4
2020	20	0.4
2021	19	0.4
2022	18	0.3
2023	17	0.3
2024	16	0.3
2025	15	0.3
2026	15	0.3
2027	14	0.3
2028	13	0.3
2029	13	0.2
2030	12	0.2

Dwights

Lease: JICARILLA 22 (8)

11/14/97

Retrieval Code: 151,039,25N04W16100GD



Oil (bbl/day)

Gas (mcf/day)

County: RIO ARRIBA, NM

F.P. Date: 11/76

Water (bbl/day)

Field: LINDRITH WEST (GALLUP DAKOTA) GD Oil Cum: 18.89 mbbl

Reservoir: GALLUP DAKOTA

Gas Cum: 661.1 mmcf

Operator: CONOCO INC

Location: 161 25N 4W

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

State of New Mexico
Energy, Minerals & Natural Resources Department

Revised February 21, 1994

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

OIL CONSERVATION DIVISION

District III
1000 Rio Brazos Rd. Aztec, NM 87410

PO Box 2088
Santa Fe, NM 87504-2088

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

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039-21280		2 Pool Code 72319		3 Pool Name Blanco Mesaverde	
4 Property Code 003203		5 Property Name Jicarilla 22			6 Well Number #8
7 OGRID No. 005073		8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500			9 Elevation 7103' GL

10 Surface Location

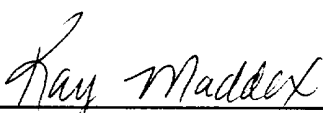
UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	16	25N	4W		1795	South	1080	East	Rio Arriba

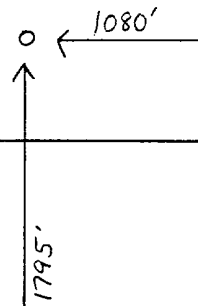
11 Bottom Hole Location If Different From Surface

UL or lot no	Section	Township	Range	Lot 1 dn	Feet from the	North/South line	Feet from the	East/West line	County
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12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
320			

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 I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief  Signature Kay Maddox Printed Name Regulatory Agent Title Feb. 14, 1998 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



File

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACERAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section

Operator CONTINENTAL OIL COMPANY		Lease JICARILLA 22		Well No 8
Unit Letter I	Section 16	Township 25 NORTH	Range 4 WEST	County RIC ARriba
Actual Footage Location of Well: 1795 feet from the SOUTH line and 1080 feet from the EAST line				
Ground Level Elev 7103	Producing Formation	Pool	Dedicated Acreage: Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?
() Yes () No If answer is "yes," type of consolidation

If answer is "no," list the owners and tract descriptions which have actually consolidated. (Use reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non standard unit, eliminating such interests, has been approved by the Commission.

CERTIFICATION

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

Name _____
Position _____
Company _____
Date _____

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 knowledge and belief.

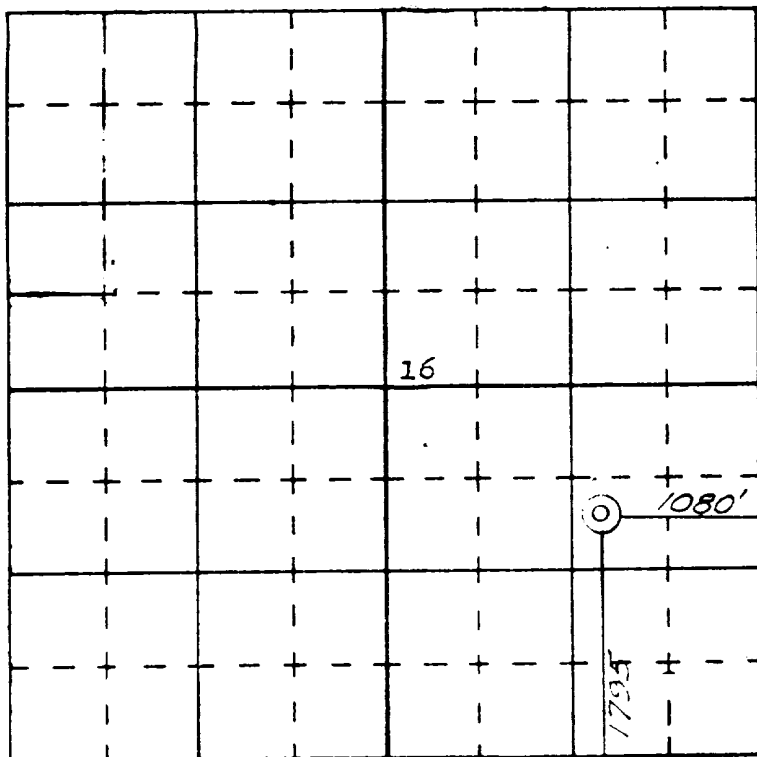
27 July 1976

Date Surveyed

James P. Leese
Registered Professional Engineer
and/or Land Surveyor **James P. Leese**

1463

Certificate No.





OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO
P. O. BOX 2088 - SANTA FE
87501

DIRECTOR
JOE D. RAMEY

LAND COMMISSIONER
PHIL R. LUCERO

September 2, 1976

Continental Oil Company
P. O. Box 460
Hobbs, New Mexico 88240

Attention: Mr. L. P. Thompson

RECEIVED
HOBBS DIVISION STATE GEOLOGIST
SEP 7 76 EMERY C. ARNOLD

	Noted	Noted	No.
Div. Manager			
Div. Engr.			
Cons'v. Coord.	✓		
Sup. Prod. Eng.			
Sup. Resv. Eng.			
Prod. Supt.			
Adm. Supv.			
Sys. Supv.			
Coord. Env. Afr			
Div. O.f. Mgr.			
WAR	✓	✓	
DEB	✓	✓	
File	✓		

Administrative Order NSL-790

Gentlemen:

Reference is made to your application for approval of a non-standard location for your Jicarilla 22 Well No. 8, located 1795 feet from the South line and 1080 feet from the East line of Section 16, Township 25 North, Range 4 West, NMPM, West Lindrith-Dakota Pool, Rio Arriba County, New Mexico.

By authority granted me under the provisions of Rule 5 of Order No. R-4314, the above-described unorthodox location is hereby approved.

Very truly yours,

Joe D. Ramey
JOE D. RAMEY,
Secretary-Director

JDR/JEK/dr

cc: Oil Conservation Commission - Aztec
Oil & Gas Engineering Committee - Hobbs

Conoco, Inc.
Jicarilla 22 #8
Section 16, T-25-N, R-4-W,1
Rio Arriba County, New Mexico

Re: Application for Downhole Commingling

Offset Operators:

Burlington Resources Oil & Gas
PO Box 4289
Farmington, New Mexico 87499

Robert L. Bayless
PO Box 168
Farmington, New Mexico 87499