

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

Conoco Inc.

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

Jicarilla 22

7

Section 21, T-25-N, R-4-W, A

Rio Arriba

Lease

Well No

Unit Ltr Sec Twp Rge

County

OGRID NO. 005073 Property Code 003203 API NO. 30-039-20447 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)	5697-6000'		6831-7967'
3. Type of production (Oil or Gas)	Gas		Oil
4. Method of Production (Flowing or Artificial Lift)	To Flow		Flowing
5. Bottomhole Pressure Oil Zones - Artificial Lift Gas & Oil - Flowing All Gas Zones: Estimated Or Measured Original	a (Current) 583 b(Original) 1314		a. 860 b. 497
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 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 Production to be allocated by subtraction - See attached table	Date Rates Date Rates	Date Rates Est 7/98 30 MCFD, 1 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. NMOC Reference Cases for Rule 303(D) Exceptions: ORDER NO(S).

16. ATTACHMENTS

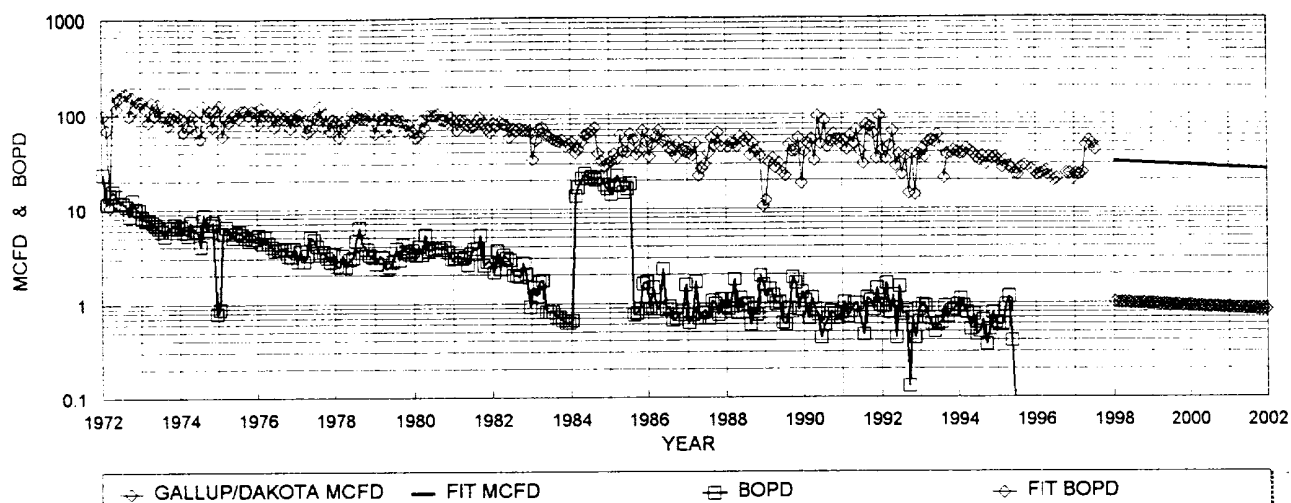
- * C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- * Production curve for each zone for at least one year. (If not available, attach explanation.)
- * For zones with no production history, estimated production rates and supporting data.
- * Data to support allocation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

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

**JICARILLA 22 NO. 7 GALLUP/DAKOTA PRODUCTION
SECTION 21A-25N-04W**



GALLUP DAKOTA HISTORICAL DATA: 1ST PROD: 01/72

OIL CUM: 33.67 MBO
 GAS CUM: 589.7 MMCF
 CUM OIL YIELD: 0.0571 BBL/MCF
 OIL YIELD: 0.0076 BBL/MCF, LAST 3 YRS
 AVG. USED: 0.0324 BBL/MCF

PROJECTED DATA

7/1/98 Qi: 30 MCFD
 DECLINE RATE: 4.6% (EXPONENTIAL)

PRODUCTION FORECAST FOR SUBTRACTION METHOD COMMINGLE ALLOCATION

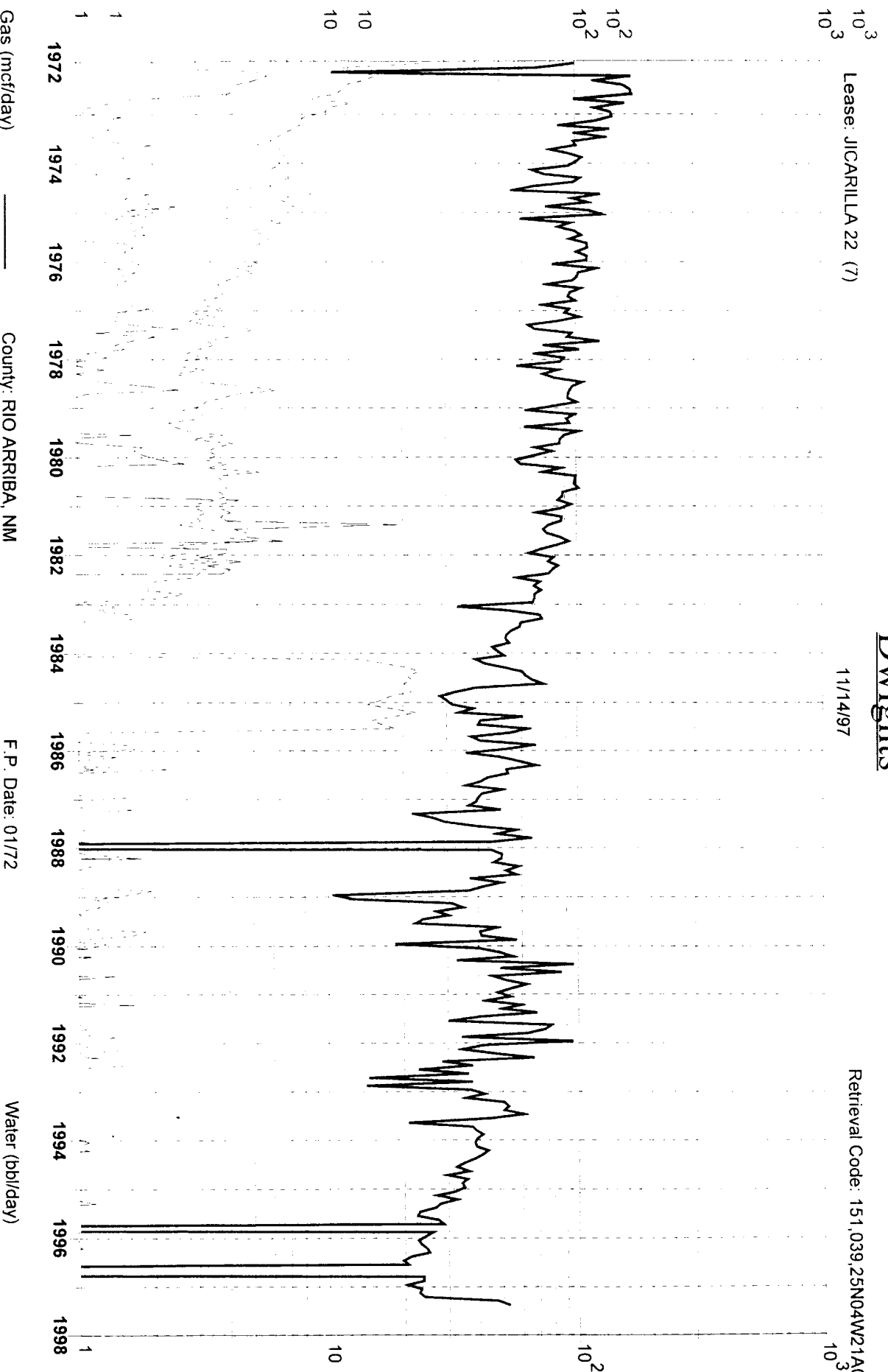
YEAR	MID-YEAR AVG. MCFD	MID-YEAR AVG. BOPD
1998	30	1.0
1997	29	0.9
1996	27	0.9
1995	26	0.8
1994	25	0.8
1993	24	0.8
1992	23	0.7
1991	22	0.7
1990	21	0.7
1989	20	0.6
1988	19	0.6
1987	18	0.6
1986	17	0.6
1985	16	0.5
1984	16	0.5
1983	15	0.5
1982	14	0.5
1981	14	0.4
1980	13	0.4
1979	12	0.4
1978	12	0.4
1977	11	0.4
1976	11	0.3
1975	10	0.3
1974	10	0.3
1973	9	0.3
1972	9	0.3
1971	8	0.3
1970	8	0.3
1969	8	0.2
1968	7	0.2
1967	7	0.2
1966	7	0.2
1965	6	0.2
1964	6	0.2

Dwights

Lease: JICARILLA 22 (7)

11/14/97

Retrieval Code: 151,039,25N04W21A00GD



Gas (mcf/day)

County: RIO ARriba, NM

F.P. Date: 01/72

Water (bbl/day)

Oil (bbl/day)

Field: LINDRITH WEST (GALLUP DAKOTA) GD Oil Cum: 33.67 mbbl

Reservoir: GALLUP DAKOTA

Gas Cum: 587.0 mmcf

Operator: CONOCO INC

Location: 21A 25N 4W

16					<div>17 OPERATOR CERTIFICATION</div> <div>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</div> <div>Signature Kay Maddox</div> <div>Printed Name Regulatory Agent</div> <div>Title</div> <div>Date</div> <div>18 SURVEYOR CERTIFICATION</div> <div>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.</div> <div>Date of Survey</div> <div>Signature and Seal of Professional Surveyor:</div> <div>Certificate Number</div>

**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. 7
Unit Letter A	Section 21	Township 25 NORTH	Range 4 West	County RIO ARriba
Actual well Location of Well: 990 feet from the NORTH line and 990 feet from the EAST line				
Ground Level Elev. 7134.0	Producing Formation	Pool	Dedicated Acreage 40 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communization, 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 communization, unitization, forced-pooling, or otherwise) or until a non standard unit, eliminating such interests, has been approved by the Commission.

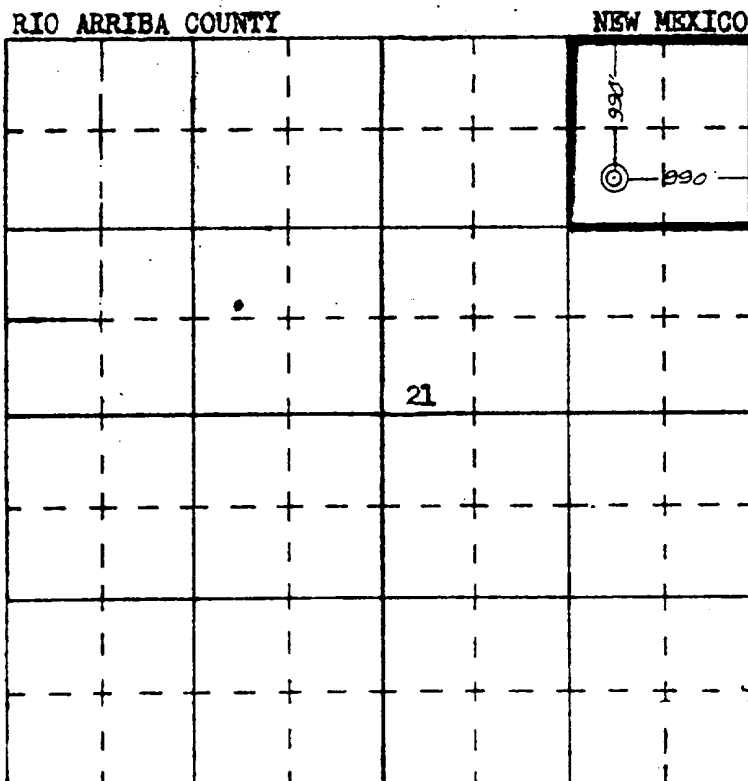
CERTIFICATION

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

Name **Original Signed By:**
J. A. UBBEN
Position
Administrative Supervisor
Company
Continental Oil Company
Date
December 2, 1971

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.

20 November 1971
Date Surveyed
James P. Leese
Registered Professional Engineer
and/or Land Surveyor **James P. Leese**
N.M. Reg. #1463



SCALE—4 INCHES EQUALS 1 MILE

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.

Certificate No.

Conoco, Inc.
Jicarilla 22 #7
Section 21, T-25-N, R-4-W, A
Rio Arriba County, New Mexico

Re: Application for Downhole Commingling

Offset Operators:

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