

DATE IN 2/19/98	SUSPENSE 3/11/98	ENGINEER DC	LOGGED BY MW	TYPE DHC
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ABOVE THIS LINE FOR DIVISION USE ONLY

## NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1847

### ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS

#### 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

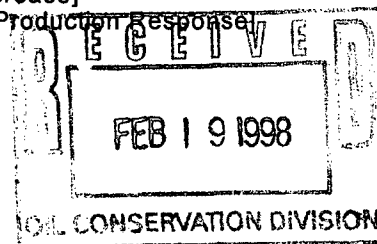
Check One Only for [B] and [C]

[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 - Statement of Understanding

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, RI, ORRI) is common. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with supervisory capacity.

Kay Maddox  
Print or Type Name

*Kay Maddox*  
Signature

Regulatory Agent  
Title

2/16/98  
Date

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88241 1980

State of New Mexico  
Energy, Minerals and Natural Resources Department

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

DISTRICT II  
811 South First St. Artesia NM 88210 2835

OIL CONSERVATION DIVISION

2040 S. Pacheco  
Santa Fe, New Mexico 87505-6429

DISTRICT III  
1000 Rio Brazos Rd. Aztec, NM 87410 1693

APPROVAL PROCESS:

☒ Administrative ☐ Hearing

EXISTING WELLBORE

☒ YES ☐ NO

APPLICATION FOR DOWNHOLE COMMINGLING

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

Jicarilla 22 8 Section 16, T-25-N, R-4-W, 1 Rio Arriba  
Lease Well No Unit Ltr Sec Twp Rge County

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 Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated Or Measured Original	a (Current) 583	a.	a. 860
	b(Original) 1314	b.	b. 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)  • 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)	Yes		Yes
	Date Rates	Date Rates	Date Rates
	Production to be allocated by subtraction - See Attached table	Date Rates	Est 7/98 61 MCFD, 1.2 BOPD, 0 BWPD
8. Fixed Percentage Allocation Formula - % or 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

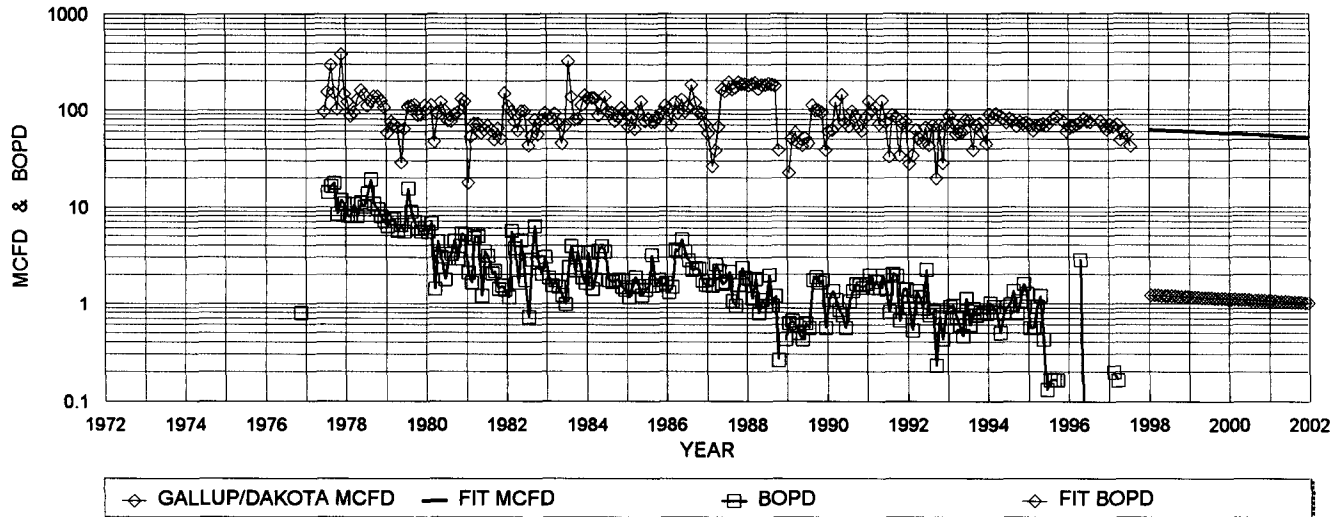
- \* C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- \* Production curve for each zone for at least one year. (If not available, attach explanation.)
- \* For zones with no production history, estimated production rates and supporting data.
- \* Data to support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

YEAR	MID-YEAR AVG. MCFD	MID-YEAR AVG. BOPD
1998	60	1.2
1997	58	1.1
1996	55	1.1
1995	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

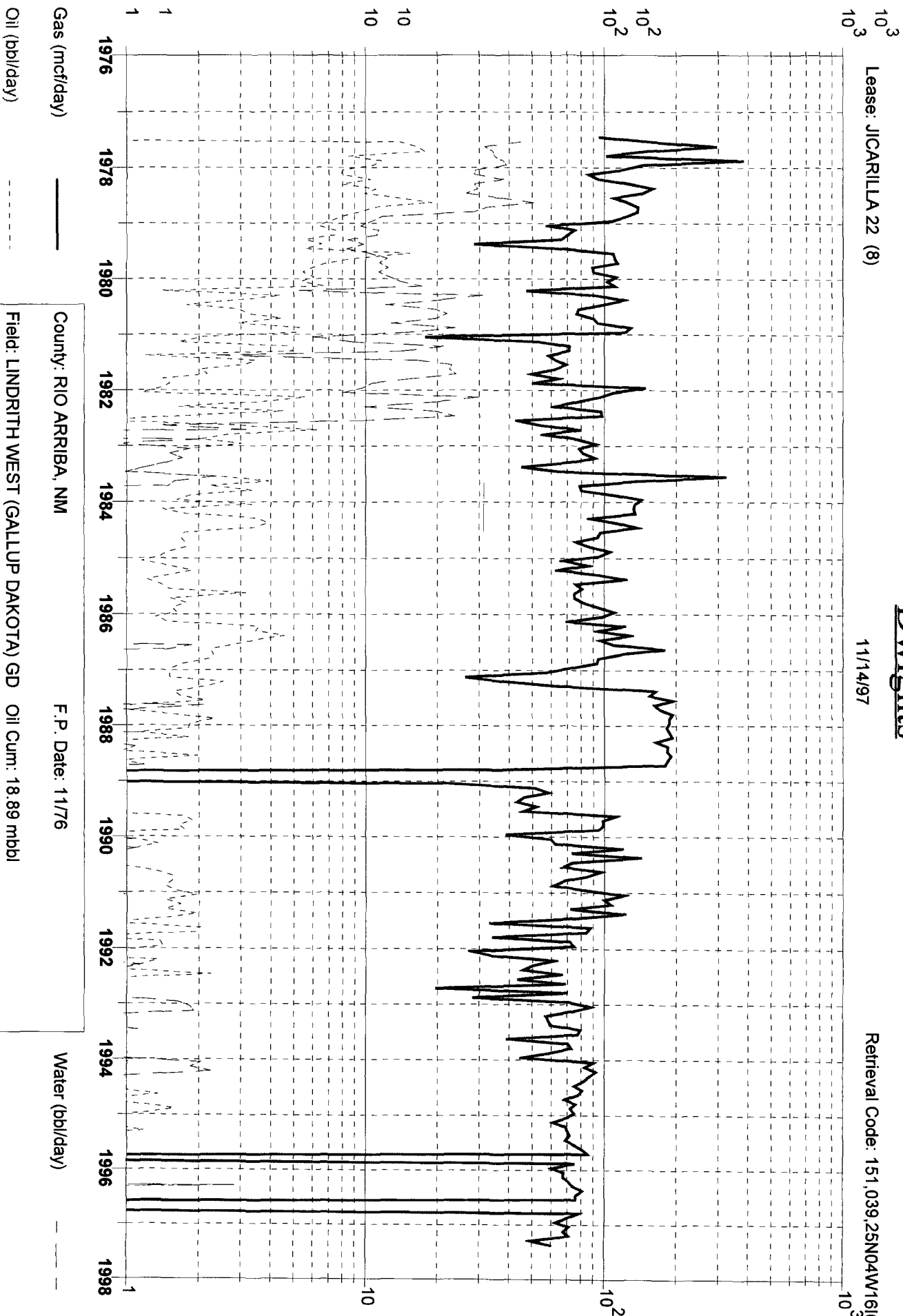
PRODUCTION FORECAST FOR SUBTRACTION METHOD COMMINGLE ALLOCATION

# Dwights

Lease: JICARILLA 22 (8)

11/14/97

Retrieval Code: 151,039,25N04W16100GD



Gas (mcf/day)

Oil (bbl/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

instructions on back

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

## OIL CONSERVATION DIVISION

Submit to Appropriate District Office

District III  
1000 Rio Brazos Rd. Aztec, NM 87410

PO Box 2088  
Santa Fe, NM 87504-2088

State Lease - 4 Copies

Fee Lease - 3 Copies

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

☐ 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 Idn	Feet from the	North/South line	Feet from the	East/West line	County

12 Dedicated Acres 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
			<p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <p><i>Kay Maddox</i></p> <p>Signature Kay Maddox</p> <p>Printed Name Regulatory Agent</p> <p>Title Feb. 14, 1998</p> <p>Date</p>
			18 SURVEYOR CERTIFICATION
			<p>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.</p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor:</p> <p>Certificate Number</p>

File

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACERAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section

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

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 communitization, unitization, force-pooling, etc?

( ) Yes ( ) No If answer is "yes," type of consolidation .....

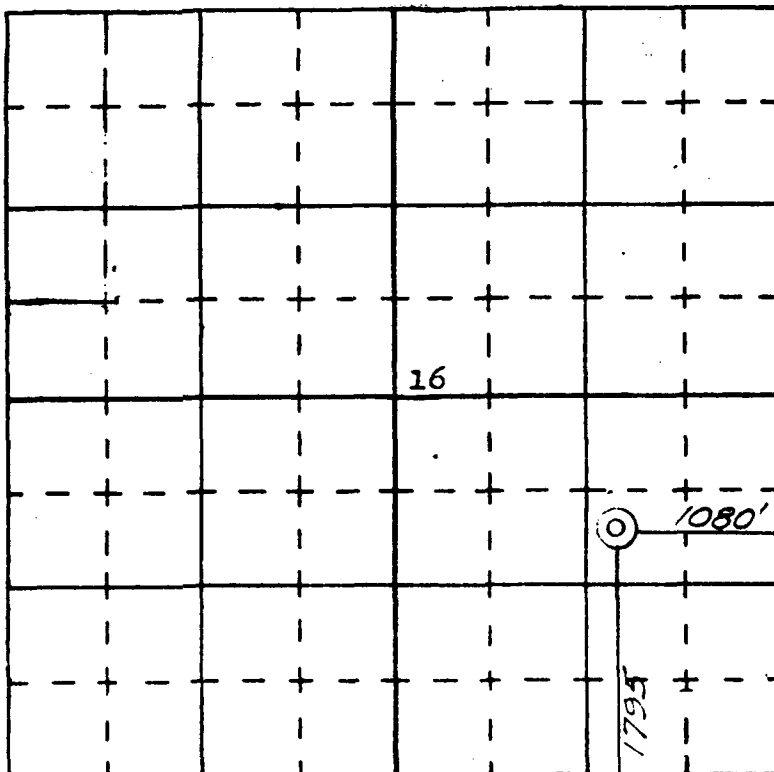
If answer is "no," list the owners and tract descriptions which have actually consolidated. (Use reverse side of this form if necessary.) .....

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.

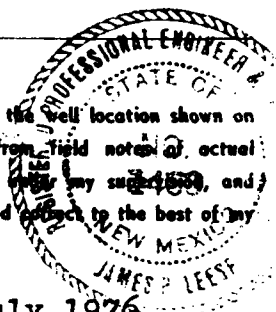
CERTIFICATION

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.

**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



DIRECTOR  
JOE D. RAMEY

# OIL CONSERVATION COMMISSION


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

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

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

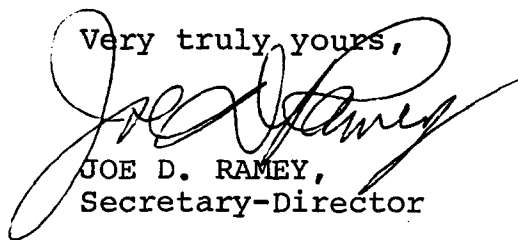
Administrative Order NSL-790

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,  
Secretary-Director

JDR/JEK/dr

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