

ABOVE THIS LINE FOR DIVISION USE ONLY

**NEW MEXICO OIL CONSERVATION DIVISION**  
- Engineering Bureau -

1845

**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

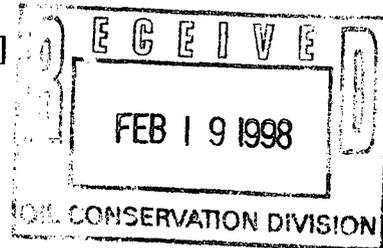
Check One Only for [B] and [C]

[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

APPROVAL PROCESS:

Administrative  Hearing

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

APPLICATION FOR DOWNHOLE COMMINGLING

EXISTING WELLBORE

YES  NO

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

Lease Jicarilla 22 Well No 6 Unit Ltr Sec Twp Rge Section 22, T-25-N, R-4-W, A County Rio Arriba

OGRID NO. 005073 Property Code 003203 API NO. 30-039-20442 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)	5702-5884'		6835-7990'
3. Type of production (Oil or Gas)	Gas		Oil
4. Method of Production (Flowing or Artificial Lift)	To pump		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)	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	Date Rates	Date Rates
	Date Rates Production to be allocated by subtraction - See attached table	Date Rates	Date Rates Est 7/98 40 MCFD, 1.1 BOPD, 0 BOPD
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

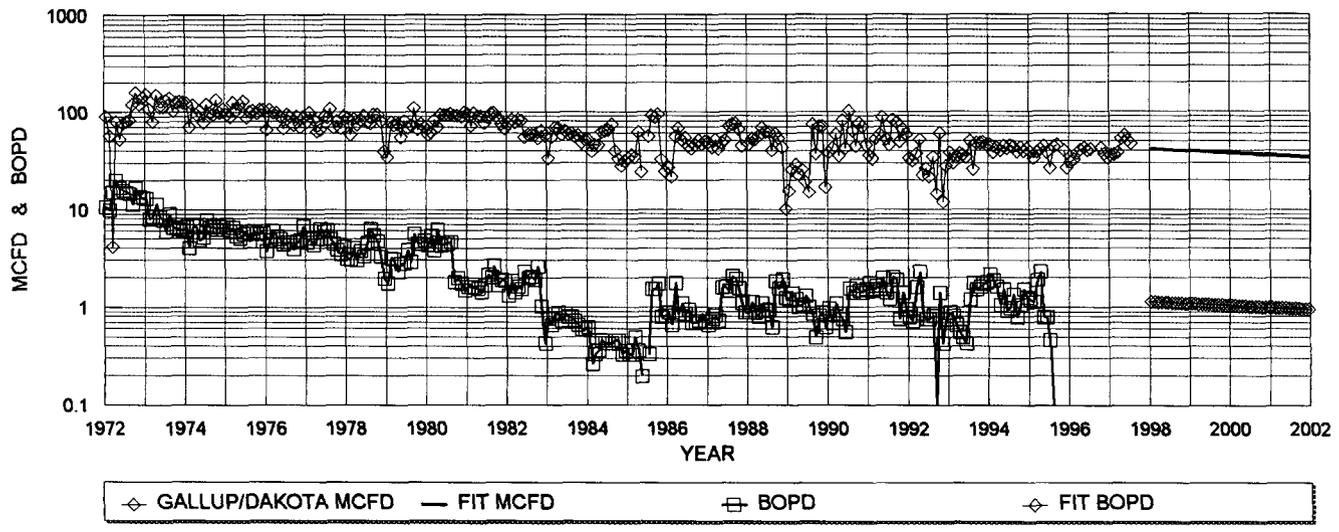
- \* C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- \* Production curve for each zone for at least one year. (If not available, attach explanation.)
- \* For zones with no production history, estimated production rates and supporting data.
- \* Data to support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

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

**JICARILLA 22 NO. 6 GALLUP/DAKOTA PRODUCTION  
SECTION 22A-25N-04W**



GALLUP DAKOTA HISTORICAL DATA: 1ST PROD: 01/72		PROJECTED DATA	
OIL CUM:	26.04 MBO	7/1/98 Qi:	40 MCFD
GAS CUM:	596.0 MMCF	DECLINE RATE:	4.6% (EXPONENTIAL)
CUM OIL YIELD:	0.0437 BBL/MCF		
OIL YIELD:	0.0116 BBL/MCF, LAST 3 YRS		
AVG. USED:	0.0277 BBL/MCF		

YEAR	MID-YEAR	MID-YEAR
	AVG. MCFD	AVG. BOPD
1998	40	1.1
1997	38	1.1
1996	36	1.0
1995	35	1.0
2000	33	0.9
2001	32	0.9
2002	30	0.8
2003	29	0.8
2004	27	0.8
2005	26	0.7
2006	25	0.7
2007	24	0.7
2008	23	0.6
2009	22	0.6
2010	21	0.6
2011	20	0.5
2012	19	0.5
2013	18	0.5
2014	17	0.5
2015	16	0.5
2016	16	0.4
2017	15	0.4
2018	14	0.4
2019	13	0.4
2020	13	0.4
2021	12	0.3
2022	12	0.3
2023	11	0.3
2024	11	0.3
2025	10	0.3
2026	10	0.3
2027	9	0.3
2028	9	0.2
2029	8	0.2
2030	8	0.2

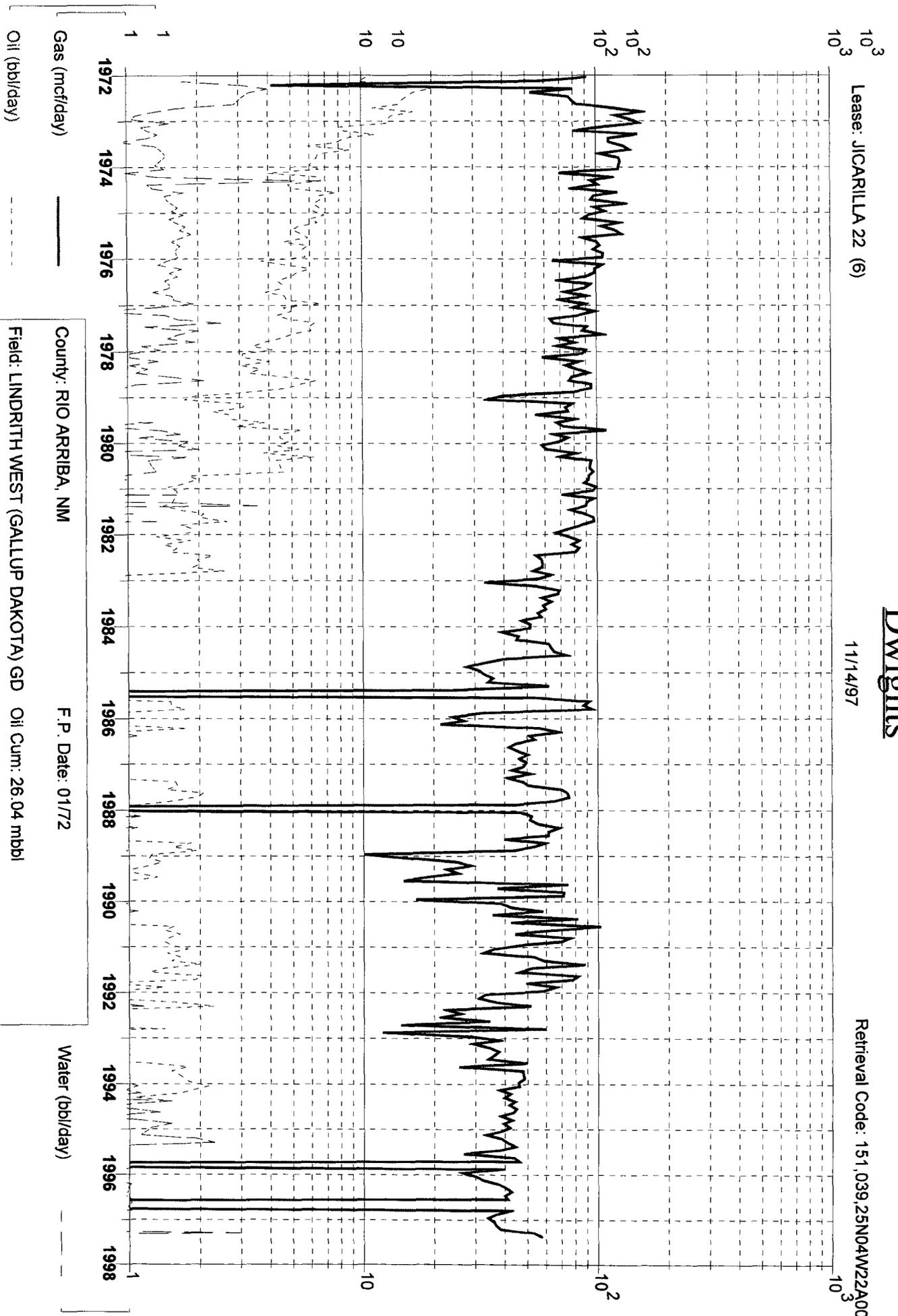
PRODUCTION FORECAST FOR SUBTRACTION METHOD COMMINGLE ALLOCATION

# Dwights

Lease: JICARILLA 22 (6)

11/14/97

Retrieval Code: 151,039,25N04W22A00GD



Gas (mcf/day)

Oil (bbl/day)

Water (bbl/day)

County: RIO ARRIBA, NM

F.P. Date: 01/72

Field: LINDRITH WEST (GALLUP DAKOTA) GD

Oil Cum: 26.04 mbbl

Reservoir: GALLUP DAKOTA

Gas Cum: 593.1 mmcf

Operator: CONOCO INC

Location: 22A 25N 4W

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

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

API Number 30-039-20442		2 Pool Code 72319		3 Pool Name Blanco Mesaverde	
4 Property Code 003203		5 Property Name Jicarilla 22			6 Well Number #6
7 OGRID No. 005073		8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500			9 Elevation 7112' GL

10 Surface Location

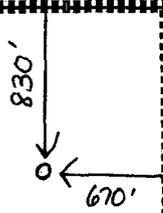
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	22	25N	4W		830	North	670	East	Rio Arriba

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		
	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 2/16/98 Date		
	830'  670'		
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			

**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>6</b>	
Unit Letter <b>A</b>	Section <b>22</b>	Township <b>25 NORTH</b>	Range <b>4 WEST</b>	County <b>RIO ARriba</b>	
Actual Footage Location of Well: <b>830</b> feet from the <b>NORTH</b> line and <b>670</b> feet from the <b>EAST</b> line					
Ground Level Elev. <b>7112.0</b>	Producing Formation	Pool	Dedicated Acreage:  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 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 \_\_\_\_\_

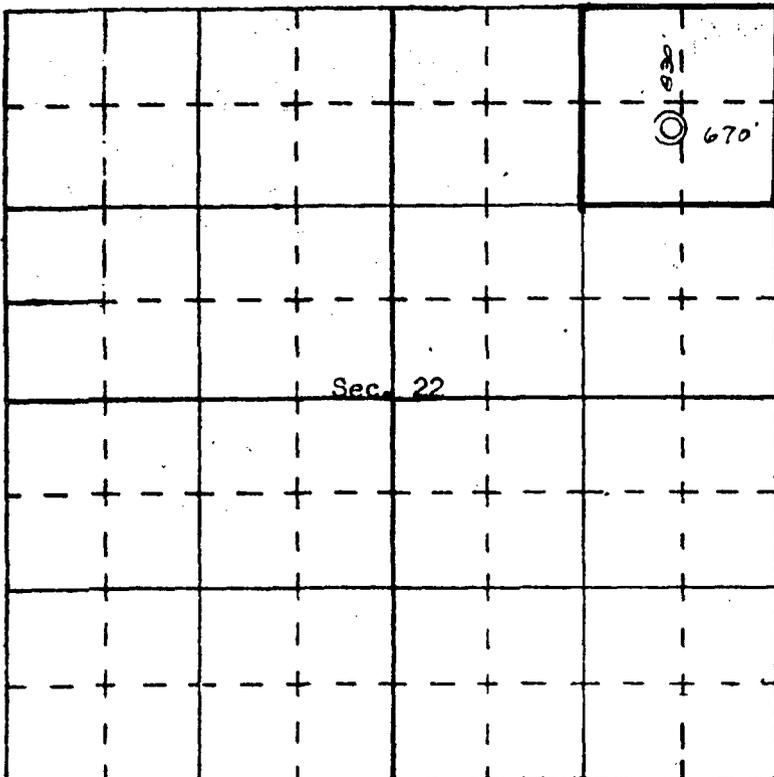
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed 20 November, 1977

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

**JAMES P. LEASE**  
1463

Certificate No. \_\_\_\_\_



SCALE—1 INCHES EQUALS 1 MILE

**Conoco, Inc.**  
**Jicarilla 22 #6**  
**Section 22, T-25-N, R-4-W, A**  
**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

Chace Oil Co. Inc.  
5577 S Lewis  
Tulsa, Oklahoma 74105

M&W Petroleum Corp.  
200 Post Oak Blvd Ste 100  
Houston, Tx 77056-4400