

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

5. Lease Designation and Serial No.

CONT 105

6. If Indian, Allottee or Tribe Name

Jicarilla

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Jicarilla A Well # 11

9. API Well No.

30-039-20122

10. If not a well, describe the location of the well
Blanco Mesaverde, Wildhorse
Gallup, Basin Dakota

11. County or Parish, State

Rio Arriba

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

CONOCO INC.

3. Address and Telephone No.

10 DESTA DR. STE. 100W, MIDLAND, TX. 79705-4500 (915) 686-5424

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Section 14, T-26-N, R-4-W, J
1550' FSL & 1650' FEL

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Repon
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Downhole Commingle

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracrunning
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Repon results of multiple completion on well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

It is proposed to Downhole Commingle the Blanco Mesaverde, Wildhorse Gallup & the Basin Dakota in this well

RECEIVED

FEB 25 1993

OIL CON. DIV.
DIST. 3

14. I hereby certify that the foregoing is true and correct

Signed

Title

Kay Maddox

Regulatory Agent

Date

Feb 3, 1998

(This space for Federal or State office use)

Approved by

Title

Lands and Mineral Resources

Date

FEB 23 1998

BLM(6), NMOCD(1), SHEAR, PONCA, COST ASST, FILE ROOM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240-1980
DISTRICT II
811 South First St. Artesia, NM 88201-2835
DISTRICT III
1000 Rio Brazos Rd. Roswell, NM 88201-1691

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

OIL CON. DIV.

APPLICATION FOR DOWNHOLE COMMINGLING

Conoco Inc.

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

Jicarilla A

11

Section 14, T-26-N, R-4-W, J

Rio Arriba

Lease

Well No

Unit Ltr Sec Twp Rge

County

OGRID NO. 005073

Property Code

18018

API NO.

30-039-20122

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	Wildhorse Gallup 87360	Basin Dakota 71599
2. TOP and Bottom of Pay Section (Perforations)	5954-6086'	7510-7526'	7982-8176'
3. Type of production (Oil or Gas)	Gas	Gas	Gas
4. Method of Production (Flowing or Artificial Lift)	To Flow	Flowing	Flowing
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. 327	a. 619
	b(Original) 1411	b. 2132	b. 3152
6. Oil Gravity (*API) or Gas BT Content	1203	1315	1315
7. Producing or Shut-In?	To Be Completed	Producing	Producing
Production Marginal? (yes or no)	Yes	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
	Production Alloc. By Subtraction - See Attached Table	Est 7/98 67 MCFD, 0.4 BOPD, 0 BOPD	Est 7/98 98 MCFD, 1.9 BOPD, 0 BOPD
8. Fixed Percentage Allocation Formula - % for each zone	% Gas %	% Gas %	% 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).

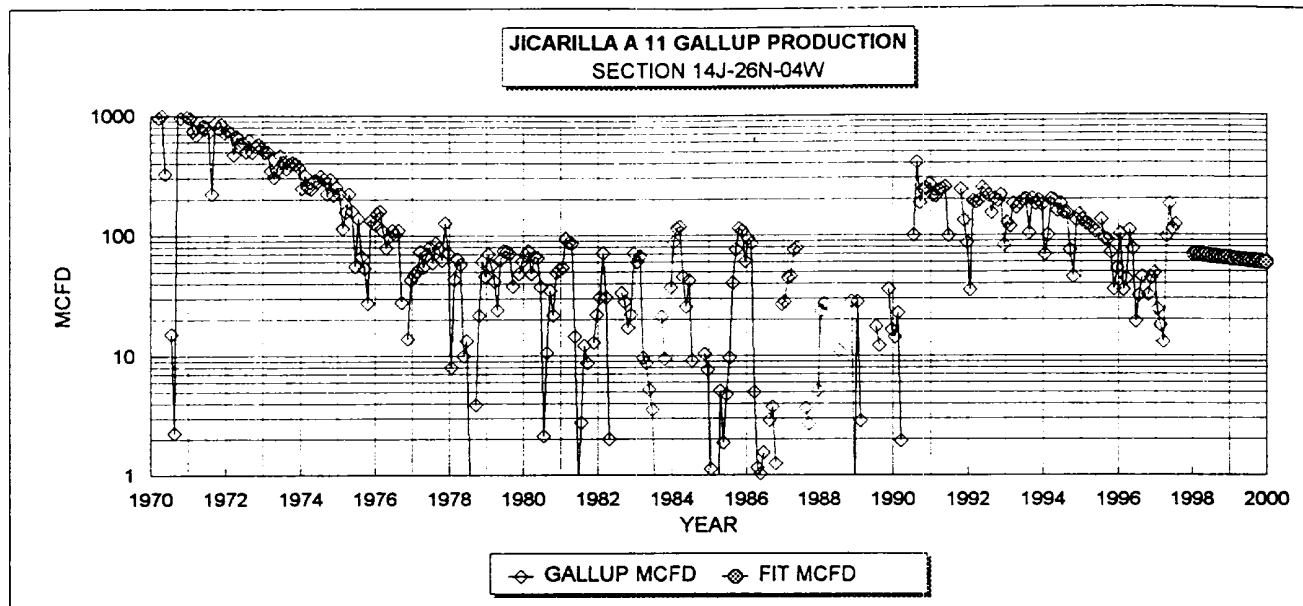
16. ATTACHMENTS

- * 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.

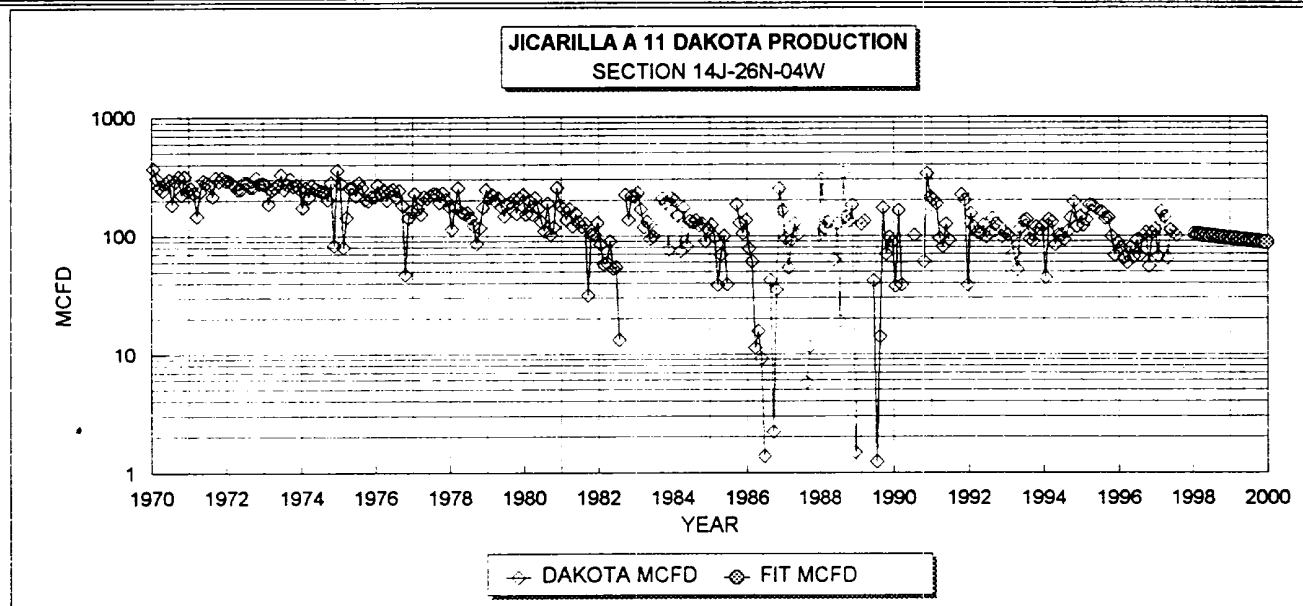
I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE: Kay Maddox TITLE: Regulatory Agent DATE: Feb 7, 1998

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



GALLUP HISTORICAL DATA:		1ST PROD: 12/68	PROJECTED DATA	
OIL CUM:	12.65	MBO	7/1/98 Qi:	67 MCFD
GAS CUM:	1833.0	MMCF	DECLINE RATE:	8.0% (EXPONENTIAL)
OIL YIELD:	0.0069	BBL/MCF		



DAKOTA HISTORICAL DATA		1ST PROD: 12/68	DAKOTA PROJECTED DATA	
OIL CUM:	33.7	MBO	7/1/98 Qi:	98 MCFD
GAS CUM:	1658.0	MMCF	DECLINE RATE:	8.0% (EXPONENTIAL)
OIL YIELD:	0.0203	BBL/MCF		

FIXED COMMINGLE ALLOCATION FACTORS:			GAS ALLOCATION BASED ON PROJECTED 1997 RATES	
	GAS	OIL	OIL ALLOCATION BASED ON WEIGHTED CUM OIL YIELDS	
CHACRA	40%	19%		
DAKOTA	60%	81%		

NOTE: ALL PRODUCTION DATA FROM DWIGHTS ENERGYDATA

JICARILLA A 11: GALLUP AND DAKOTA FORECAST FOR SUBTRACTION COMMINGLE WITH MESAVERDE

14J-26N-04W

(6-12/97 AVG)

YEAR	GALLUP MCFD	DAKOTA MCFD	TOTAL MCFD
1998	65	95	160
1998	61	90	152
1999	56	83	140
2000	52	77	128
2001	48	70	118
2002	44	65	109
2003	40	60	100
2004	37	55	92
2005	34	50	85
2006	31	46	78
2007	29	43	72
2008	27	39	66
2009	25	36	61
2010	23	33	56
2011	21	31	51
2012	19	28	47
2013	18	26	43
2014	16	24	40
2015	15	22	37
2016	14	20	34
2017	13	19	31
2018	12	17	29
2019	11	16	26
2020	10	14	24
2021	9	13	22
2022	8	12	21
2023	8	11	19
2024	7	10	17
2025	6	10	16
2026	6	9	15
2027	5	8	14
2028	5	7	12
2029	5	7	11
2030	4	6	11

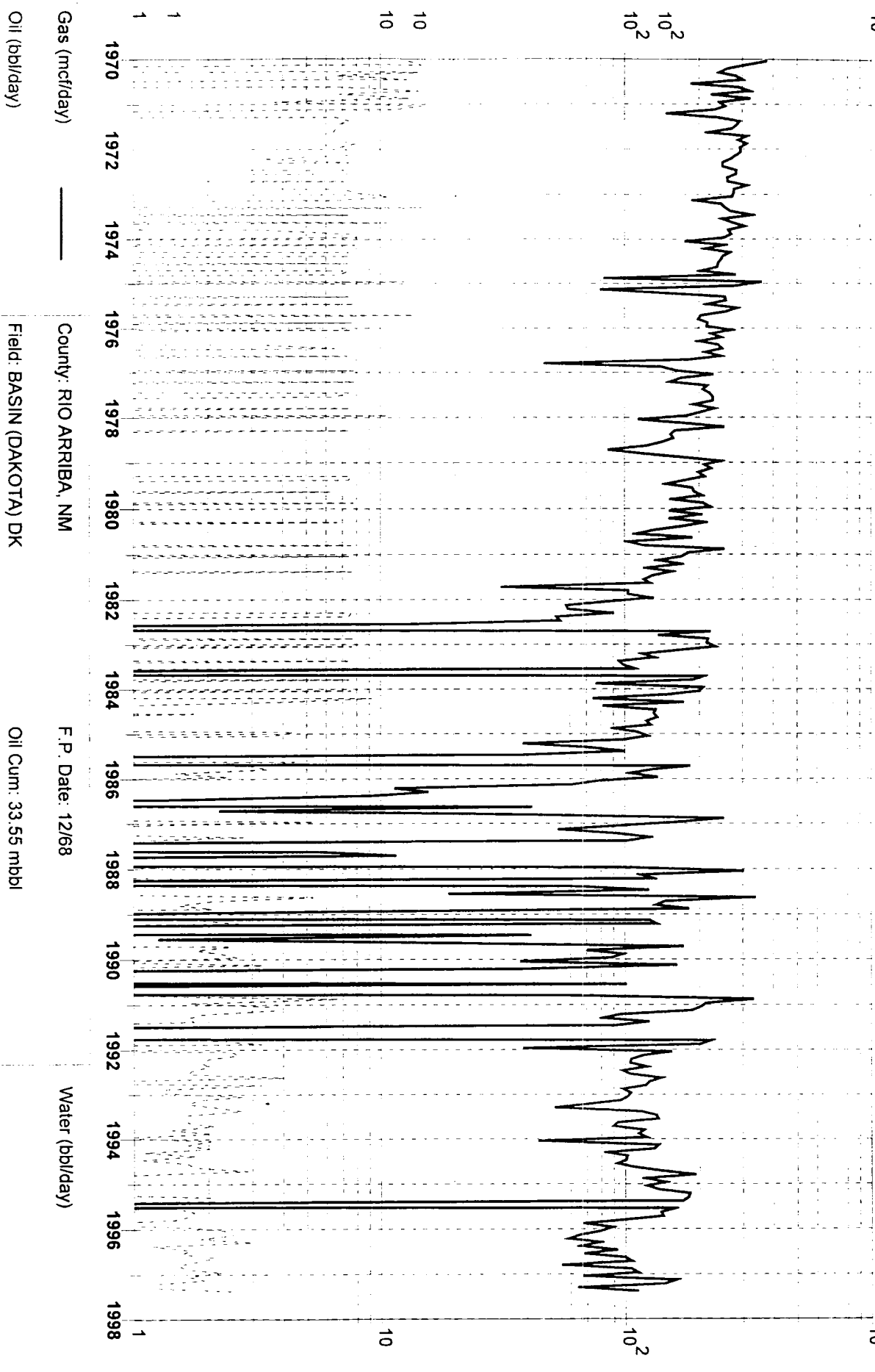
GALLUP OIL; BOPD	DAKOTA OIL; BOPD	TOTAL OIL; BOPD
0.4	1.9	2.4
0.0	1.8	1.8
0.0	1.7	1.7
0.0	1.6	1.6
0.0	1.4	1.4
0.0	1.3	1.3
0.0	1.2	1.2
0.0	1.1	1.1
0.0	1.0	1.0
0.0	0.9	0.9
0.0	0.9	0.9
0.0	0.8	0.8
0.0	0.7	0.7
0.0	0.7	0.7
0.0	0.6	0.6
0.0	0.6	0.6
0.0	0.5	0.5
0.0	0.5	0.5
0.0	0.4	0.4
0.0	0.4	0.4
0.0	0.4	0.4
0.0	0.3	0.3
0.0	0.3	0.3
0.0	0.3	0.3
0.0	0.2	0.2
0.0	0.2	0.2
0.0	0.2	0.2
0.0	0.2	0.2
0.0	0.2	0.2
0.0	0.1	0.1
0.0	0.1	0.1

Dwights

Lease: JICARILLA A (11)

11/14/97

Retrieval Code: 251,039,26N04W14J00DK



Gas (mcf/day)

County: RIO ARriba, NM

F.P. Date: 12/68

Water (bbl/day)

Oil (bbl/day)

Field: BASIN (DAKOTA) DK

Oil Cum: 33.55 mbbl

Reservoir: DAKOTA

Gas Cum: 1652 mmcf

Operator: CONOCO INC

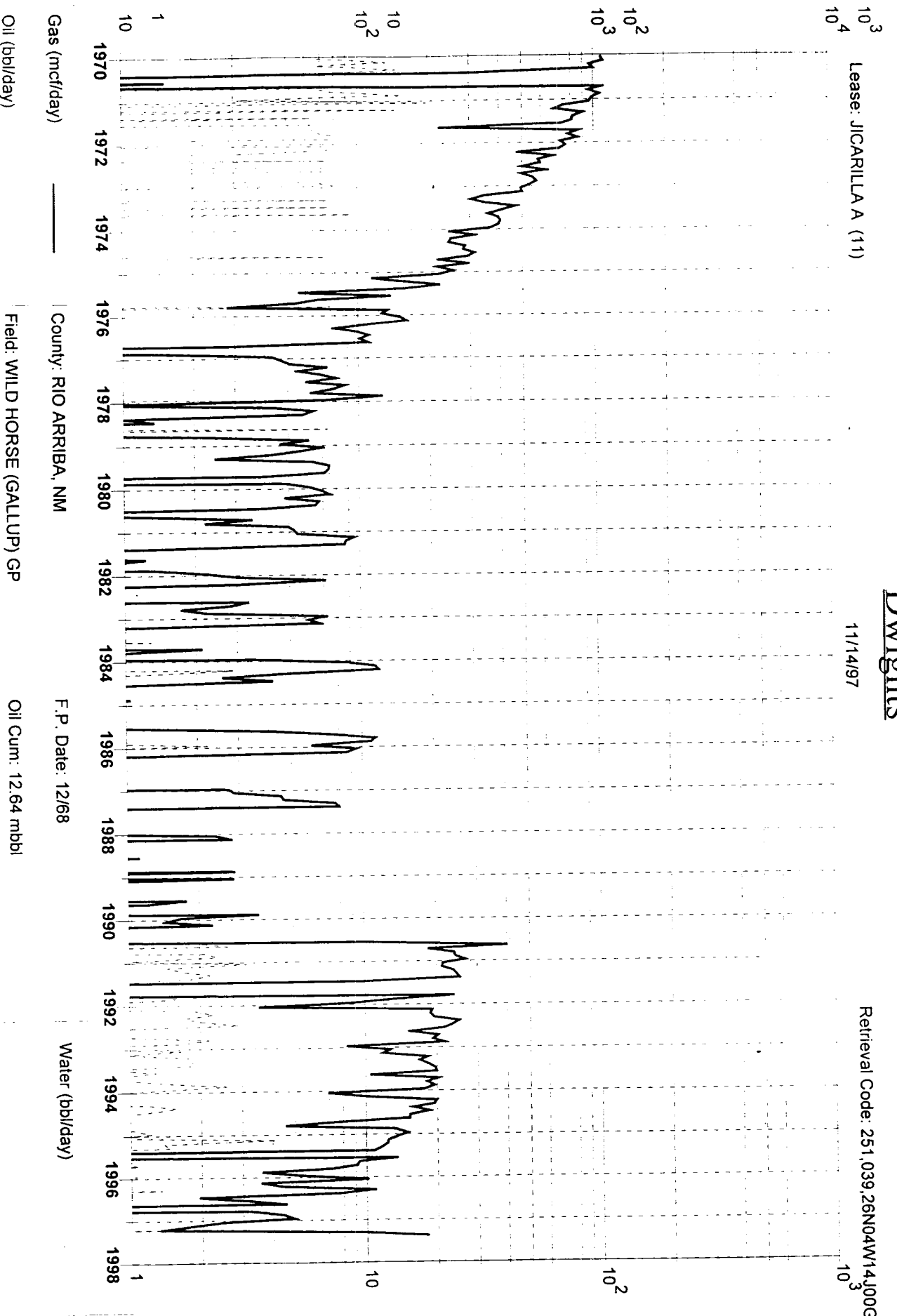
Location: 14J 26N 4W

Dwights

Lease: JICARILLA A (11)

11/14/97

Retrieval Code: 251.039.26N04W14J00GP



Gas (mcf/day)

Oil (bbl/day)

County: RIO ARriba, NM

Field: WILD HORSE (GALLUP) GP

Reservoir: GALLUP

Operator: CONOCO INC

F.P. Date: 12/68

Oil Cum: 12.64 mbbl

Gas Cum: 1826 mmcf

Location: 14J 26N 4W

Water (bbl/day)

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

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

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

OIL CONSERVATION DIVISION

PO Box 2088

Santa Fe, NM 87504-2088

District III
1000 Rio Brazos Rd. Aztec, NM 87410

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039-20122	2 Pool Code 72319	3 Pool Name Blanco Mesaverde
4 Property Code 18018	5 Property Name Jicarilla A	6 Well Number #11
7 OGRID No. 005073	8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500	9 Elevation 7134' 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
J	14	26N	4W		1550	South	1650	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 <i>Kay Maddox</i> Printed Name Kay Maddox	
					Title Regulatory Agent Date Feb 3, 98	
					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 ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section

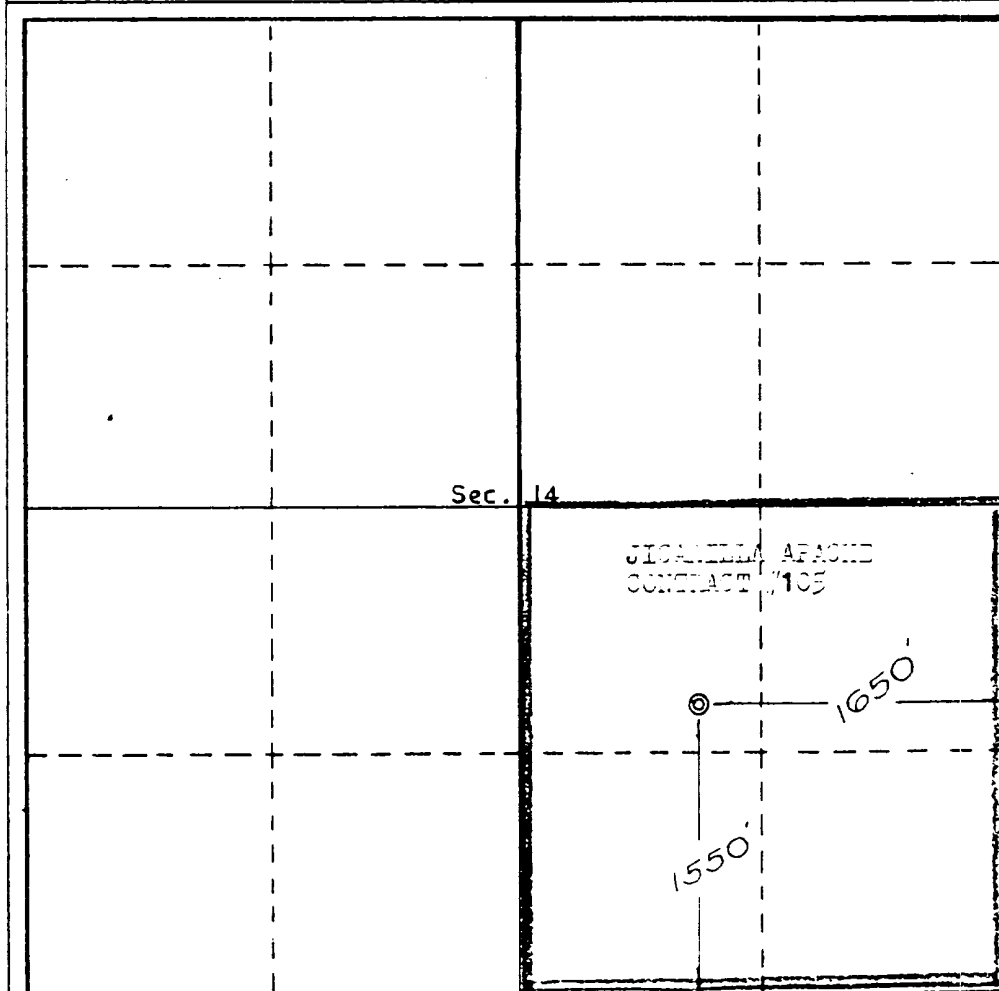
Operator SOUTHERN UNION PRODUCTION COMPANY			Lease JICATELLA		Well No. 11
Unit Letter J	Section 14	Township 26 North	Range 4 West	County Rio Arriba	
Actual Footage Location of Well: 1550 feet from the South line and 1650 feet from the East line					
Ground Level Elev. 7134	Producing Formation Dakota	Pool Basin Dakota	Dedicated Acreage: 2/2 320		
	Pictured Cliffs	Topoite Pictured Cliffs	SE 1/4 160		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 been 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. _____ Dedicated Dakota Acreage _____ Dedicated Pictured Cliffs Acreage



CERTIFICATION

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

B. R. Vanderslice

Name
B. R. Vanderslice

Position
Area Superintendent

Company
Southern Union Production Co.

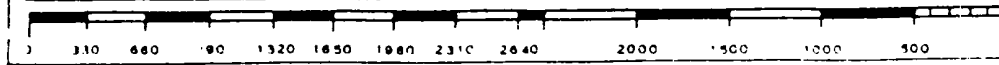
Date
July 16, 1968

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
March 21, 1955

Registered Professional Engineer and/or Land Surveyor
E. H. Eamshaw

Certificate No. **3602**



Conoco, Inc.
Jicarilla A #11
Section 14, T-25-N, R-4-W, J
Rio Arriba County, New Mexico

Re: Application for Downhole Commingling

Offset Operators:

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

Amoco Production Co.
PO Box 800
Denver, Co. 80201

Chateau Oil & Gas Inc.
2515 McKinney Ave Ste 840
Dallas, TX 75201

CONDITIONS OF APPROVAL FOR DOWNHOLE COMMINGLING

Operator Conoco Inc. Well Name Jicarilla A Well #11

1. The individual production zones will be tested every three years, or more often if production rates indicate a change to allocation factors, to verify that the allocation factors and methods remain proper.
2. Production from downhole commingled wells are to be reported with an alpha character, "C" (ie C1, C2, etc).
3. The following modifications to your downhole commingling program are to be made :
 - Allocation formula will be submitted when Mesaverde production is determined.