

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 87505-6429Form 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 A

#8

Section 23, T-26-N, R-4-W, E

Rio Arriba

Lease

Well No

Unit Ltr Sec Twp Rge

County

OGRID NO. 005073

Property Code

18018

API NO.

30-039-20029

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 71599	Wildhorse Gallup 87360	Basin Dakota 71599
2 TOP and Bottom of Pay Section (Perforations)	5621-5807'	7214-7240'	7700-7872'
3 Type of production (Oil or Gas)	Gas	Gas	Gas
4 Method of Production (Flowing or Artificial Lift)	Flowing	Flowing	Flowing
5 Bottomhole Pressure	a. (Current)	a.	a.
Oil Zones - Artificial Lift Estimated Current	590 psia	324 psia	806 psia
Gas & Oil - Flowing Measured Current	b. (Original)	b.	b.
All Gas Zones Estimated Or Measured Original	1368	2135	2645
6 Oil Gravity (*API) or Gas BT Content	1306	1413	1267
7 Producing or Shut-In?	Producing	Producing	Producing
Production Marginal? (yes or no)	Yes	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 Est 2/98 67 MCFD, 0 BWPD, .2 BOPD	Date Rates Est 2/98 128 MCFD, .2 BWPD, 1 BOPD	Date Rates Est 2/98 63 MCFD, .25 BWPD, 1 BOPD
8 Fixed Percentage Allocation Formula - % for each zone	Oil 9 % Gas 26 %	Oil 46 % Gas 49 %	Oil 45 % Gas 25 %

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 ☐ No11. 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 ☐ No13. 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) DHC-1095, R-5857

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

TITLE Regulatory Agent

DATE

April 14, 1998

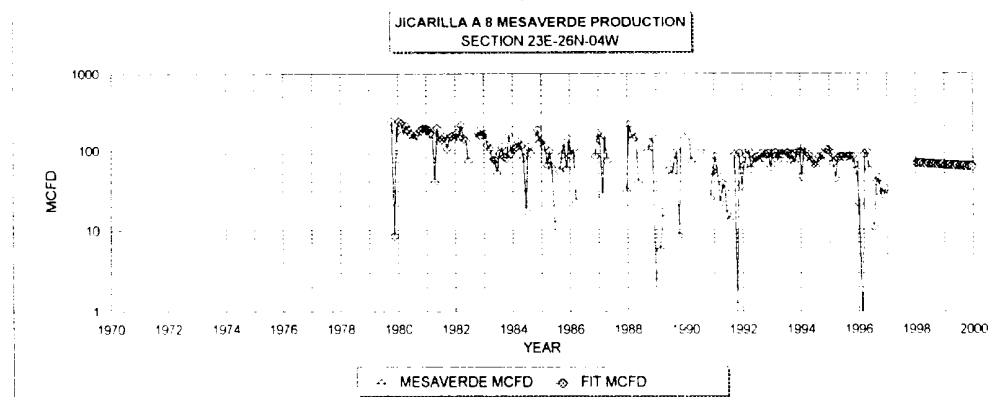
TYPE OR PRINT NAME

Kay Maddox

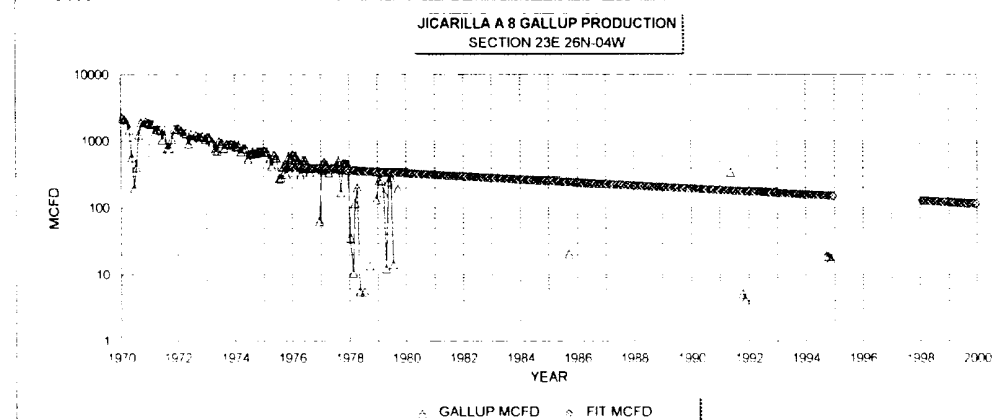
TELEPHONE NO.

(915)

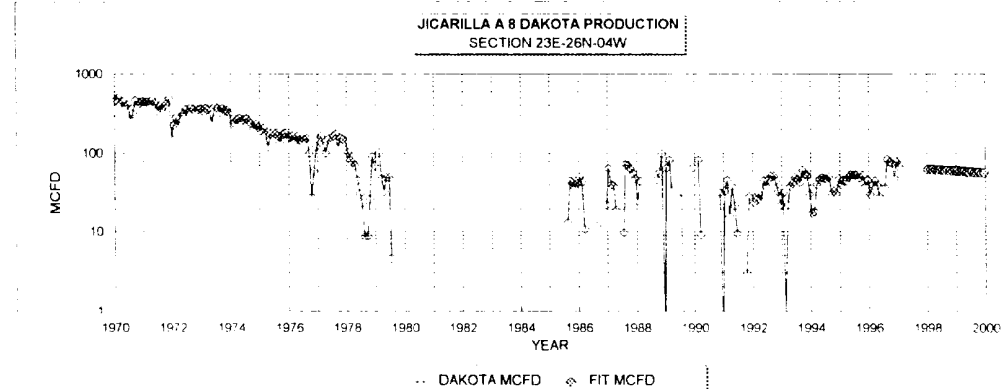
686-5798



MESADERDE HISTORICAL DATA		MESADERDE PROJECTED DATA	
OIL CUM:	1.57 MBO	2/1/98 Q1:	67 MCFD
GAS CUM:	508.4 MMCF	DECLINE RATE:	5.2% (EXPONENTIAL)
OIL YIELD:	0.0031 BBL/MCF		



GALLUP HISTORICAL DATA		GALLUP PROJECTED DATA	
OIL CUM:	28.8 MBO	2/1/98 Q1:	126 MCFD
GAS CUM:	3533.0 MMCF	DECLINE RATE:	5.2% (EXPONENTIAL)
OIL YIELD:	0.0081 BBL/MCF		



DAKOTA HISTORICAL DATA		DAKOTA PROJECTED DATA	
OIL CUM:	19.9 MBO	2/1/98 Q1:	63 MCFD
GAS CUM:	1260.0 MMCF	DECLINE RATE:	5.2% (EXPONENTIAL)
OIL YIELD:	0.0158 BBL/MCF		
FIXED COMMINGLE ALLOCATION FACTORS:			
	GAS	OIL	GAS ALLOCATION BASED ON PROJECTED 1998 RATES
MESAVERDE	26%	9%	OIL ALLOCATION BASED ON WEIGHTED CUM OIL YIELDS
GALLUP	49%	46%	
DAKOTA	25%	45%	

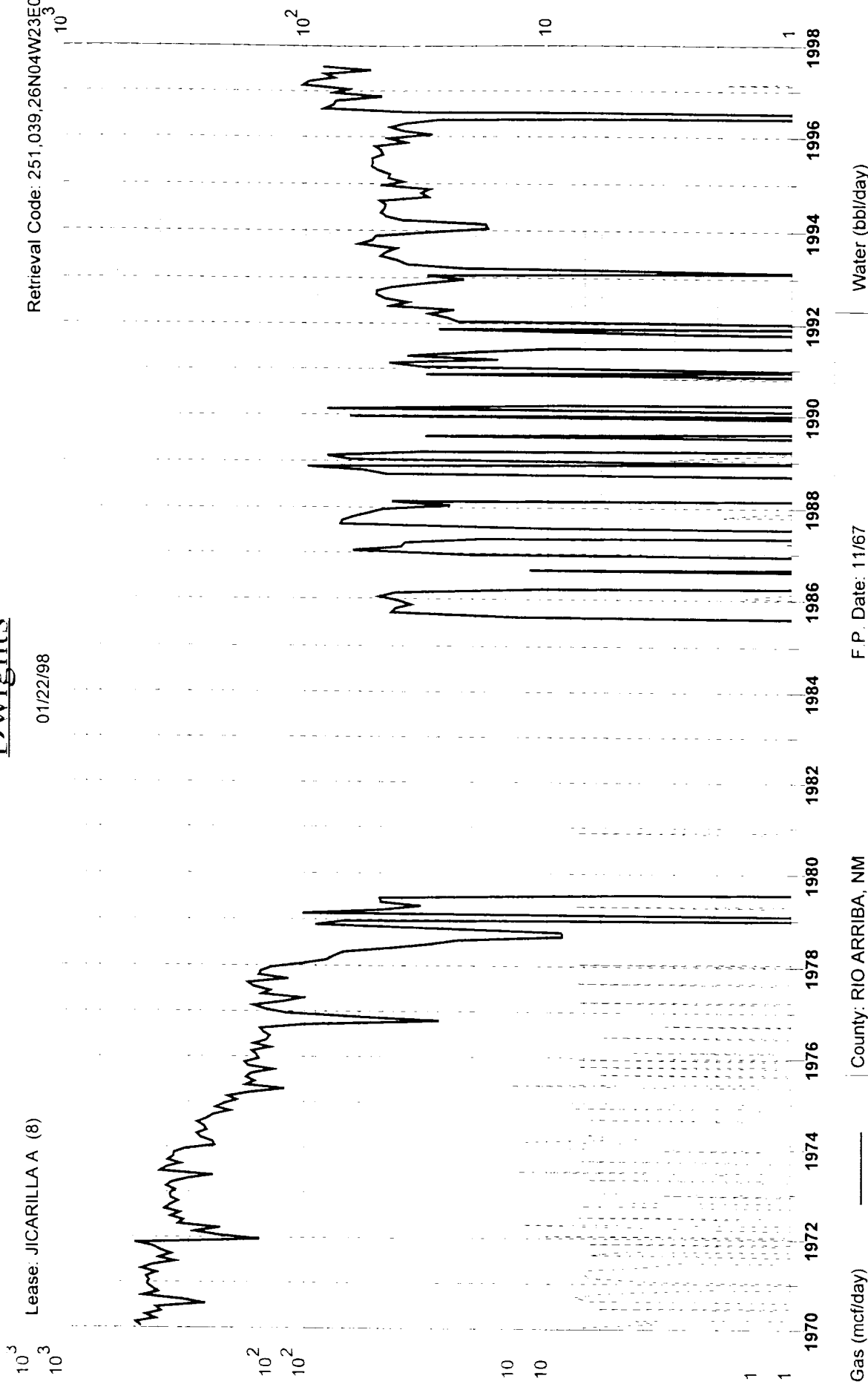
NOTE: ALL PRODUCTION DATA FROM DWIGHTS ENERGY DATA

Dwights

Lease: JICARILLA A (8)

01/22/98

Retrieval Code: 251,039,26N04W23E00DK



Gas (mcf/day)

Oil (bbl/day)

Water (bbl/day)

F.P. Date: 11/67

County: RIO ARRIBA, NM

Oil Cum: 18.94 mbbl

Field: BASIN (DAKOTA) DK

Gas Cum: 1260 mmcf

Reservoir: DAKOTA

Location: 23E 26N 4W

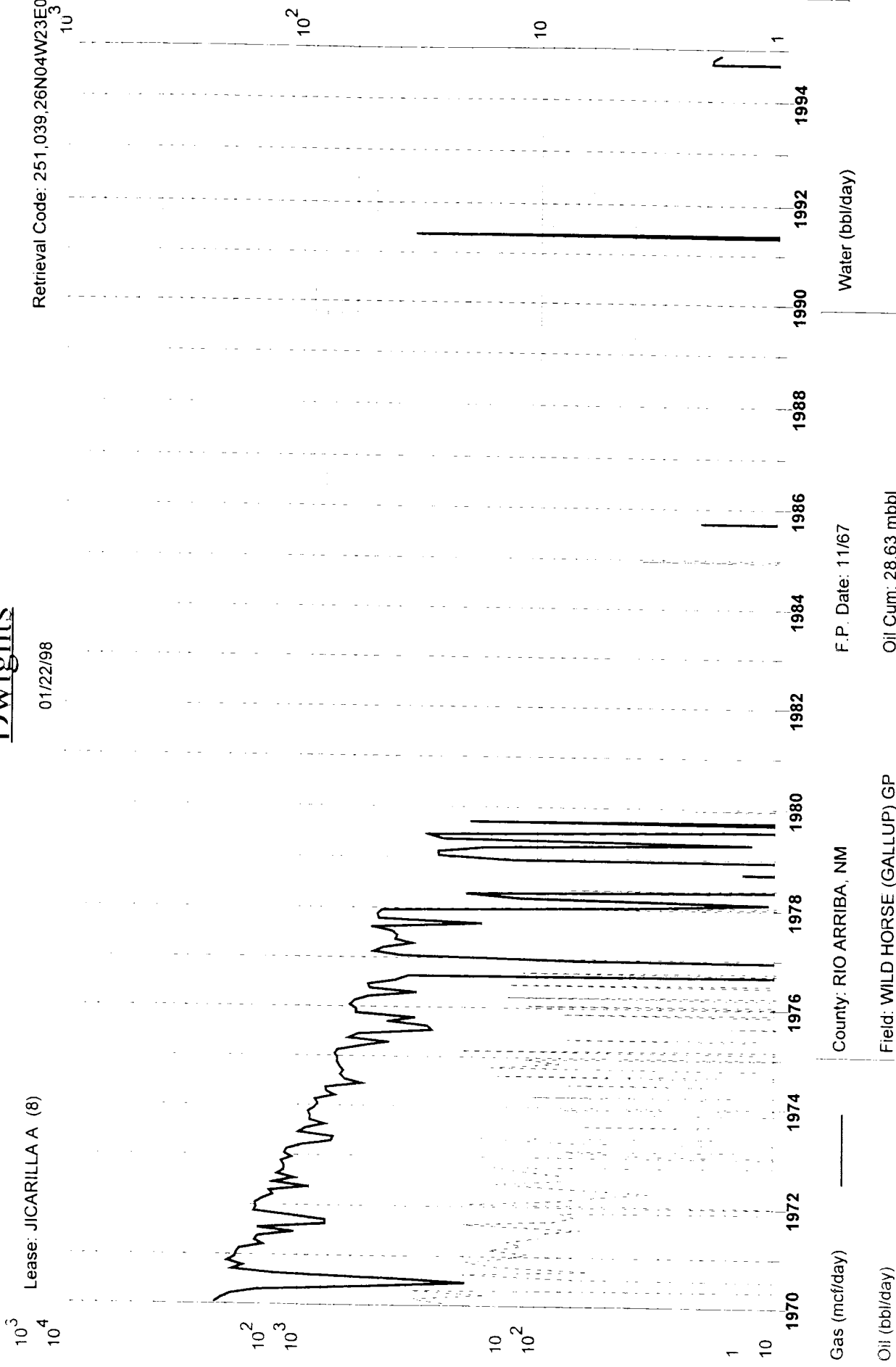
Operator: CONOCO INC

Dwights

Lease: JICARILLA A (8)

01/22/98

Retrieval Code: 251,039,26N04W23E00GP



County: RIO ARRIBA, NM
Field: WILD HORSE (GALLUP) GP
Reservoir: GALLUP
Operator: MERIT ENERGY CORP

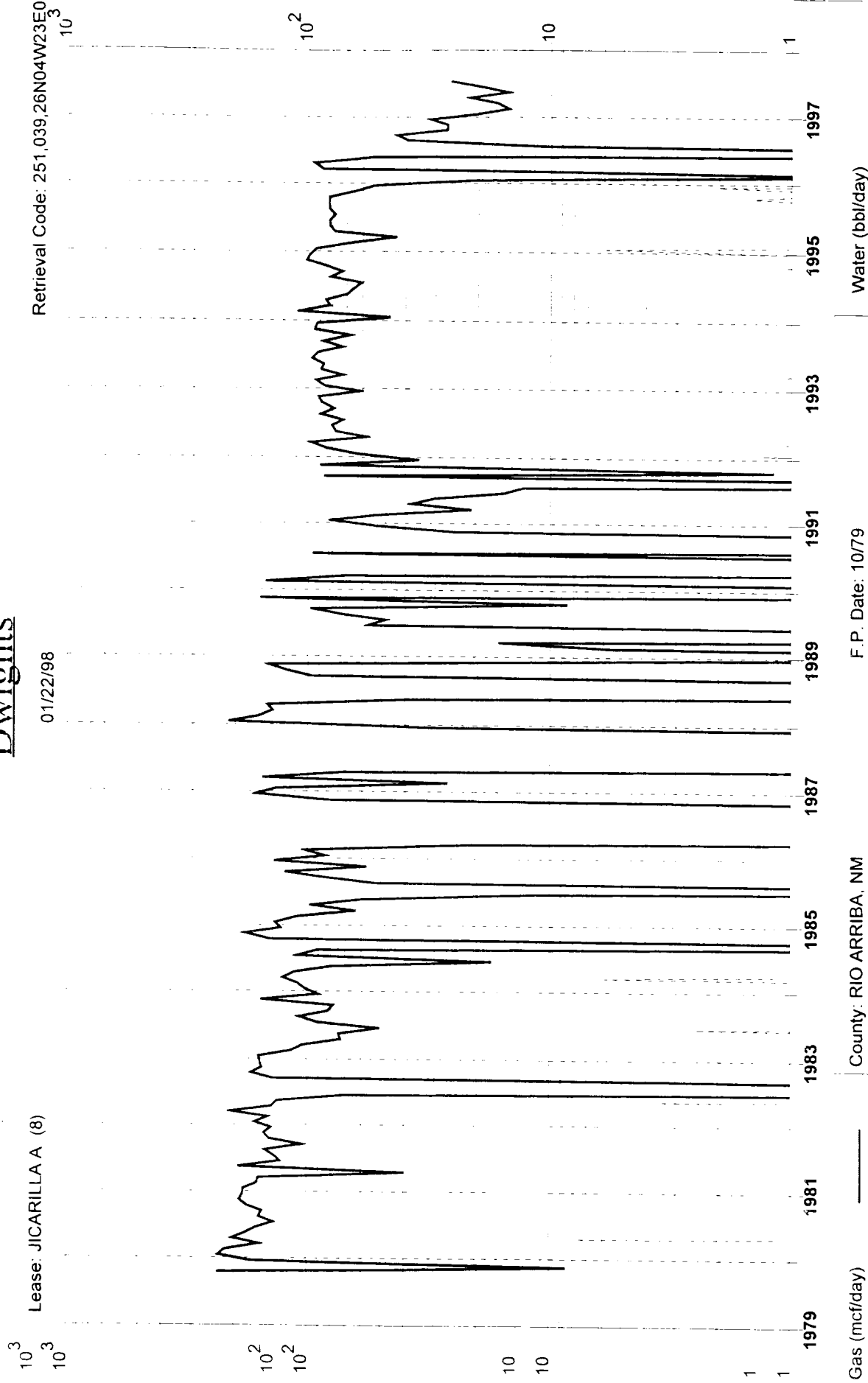
F.P. Date: 11/67
Oil Cum: 28.63 mbbl
Gas Cum: 3533 mmcf
Location: 23E 26N 4W

Dwights

Lease: JICARILLA A (8)

01/22/98

Retrieval Code: 251,039,26N04W23E00MV



Gas (mcf/day)

Oil (bbl/day)

County: RIO ARRIBA, NM

Field: BLANCO (MESAVERDE) MV

Reservoir: MESAVERDE

Operator: CONOCO INC

F.P. Date: 10/79

Oil Cum: 1568 bbl

Gas Cum: 508.4 mmcf

Location: 23E 26N 4W

MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-122
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section

Operator Supron Energy Corporation			Lease JICARILLA "A"		Well No. 8
Unit Letter E	Section 23	Township 26 North	Range 4 West	County Rio Arriba	

Actual Footage Location of Well:

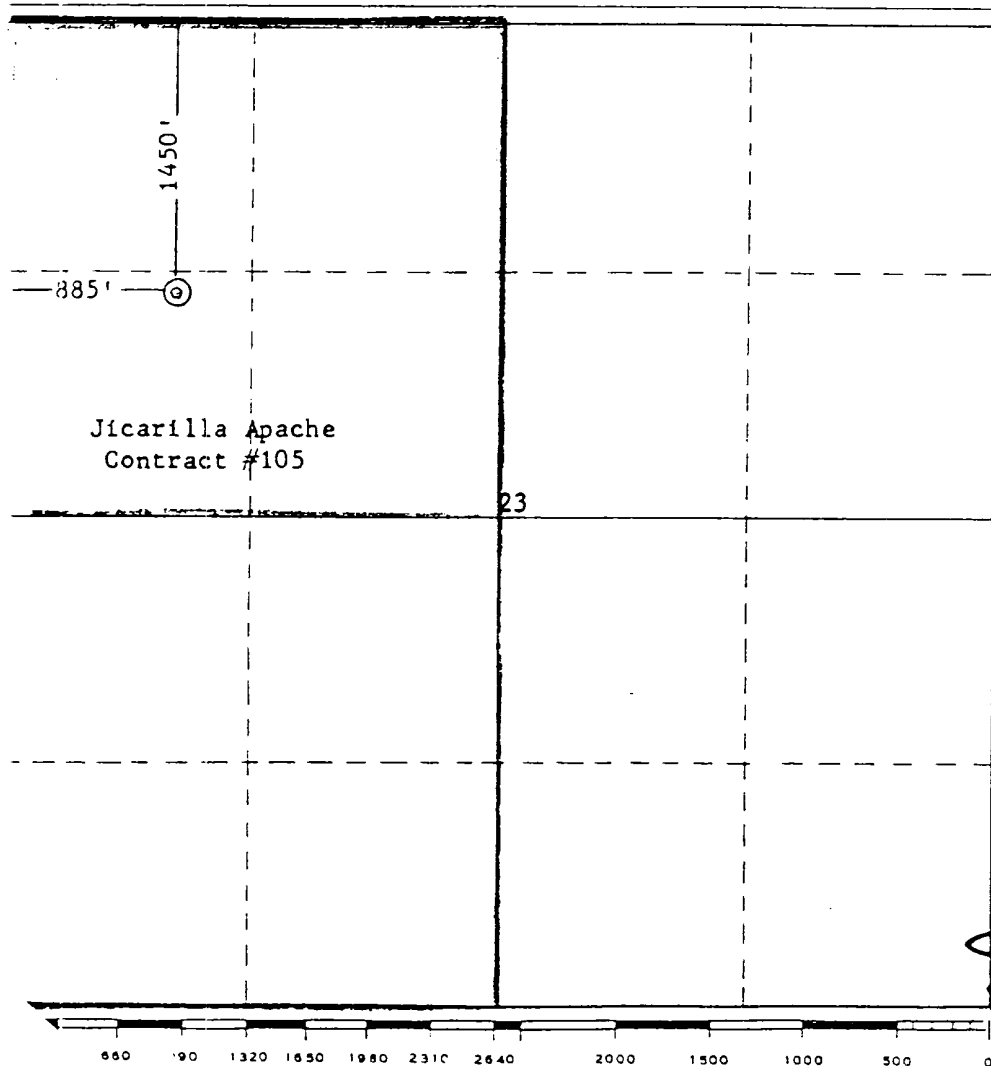
1450	feet from the NORTH	line and	885	feet from the WEST	line
Ground Level Elev. 6863.0	Producing Formation Dakota, Mesaverde & Gallup		Pool: Basin Dakota, Blanco Mv. & Wild Horse Gallup		Dedicated Acreage: 320 W/2 Dakota & Mv. 160 NW/4 Gallup

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 Communitization

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.



CERTIFICATION

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

Rudy D. Motto
Name

Rudy D. Motto

Position

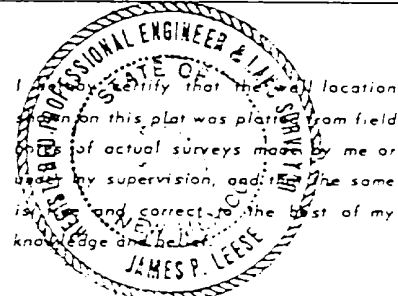
Area Superintendent

Company

SUPRON ENERGY CORPORATION

Date

March 22, 1979



Date Surveyed

11 May 1967

Registered Professional Engineer and/or Land Surveyor

Certificate No.

Conoco, Inc.
10 Desta Dr STE 100W
Midland, TX 79705

RE: Jicarilla A #8 Downhole Commingle Application C-107A
Section 23, T-26-N, R-4-W, E

Notification of Offset Operators:

Chateau Oil & Gas
2515 McKinney Ave STE 840
Dallas, TX 75201

Burlington Resources
PO Box 4289
Farmington, NM 87499

State of New Mexico
ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT
Santa Fe, New Mexico 87505

OIL CONSERVATION DIVISION



ADMINISTRATIVE ORDER DHC-1095

Merit Energy Company
12222 Merit Drive, Suite 1500
Dallas, Texas 75251

Attention: Terry D. Gottberg

*Authorization to downhole commingle Basin Dakota Pool
and Blanco Mesaverde Pool production.*

Dear Mr. Gottberg:

Reference is made to your recent application for an exception to Rule 303-A of the Division Rules and Regulations to permit downhole commingling in the wellbore, the production of the above mentioned pools in the following described wells:

Well Name	Number	Unit Letter	Section
Jicarilla "A"	8	E	23
Jicarilla "A"	9	C	14
Jicarilla "A"	10E	G	23
Jicarilla "A"	13E	N	13
Jicarilla "A"	22Y	K	24
Jicarilla "B"	8A	D	25

All wells located in Township 26 North, Range 4 West, Rio Arriba County, New Mexico.

It appearing that the subject wells qualify for approval for such exception pursuant to the provisions of Rule 303-C, and that reservoir damage or waste will not result from such downhole commingling, and correlative rights will not be violated thereby, you are hereby authorized to commingle the production as described above and any Division Order which authorized the dual completion and required separation of the two zones is hereby placed in abeyance.

In accordance with the provisions of Rule 303-C-4., total commingled oil production from the subject wells shall not exceed 30 barrels per day, and total water production shall not exceed 60 barrels per day.

VILLAGRA BUILDING - 488 Galisteo
Forestry and Resources Conservation Division
P.O. Box 1948 87504-1948
827-5830
Park and Recreation Division
P.O. Box 1147 87504-1147
827-7485

2048 South Pacheco
Office of the Secretary
827-5850
Administrative Services
827-5825
Energy Conservation & Management
827-5800
Mining and Minerals
827-5870
Oil Conservation
827-7131

Administrative Order DHC-1095
Merit Energy Company
February 21, 1995
Page 2

The maximum amount of gas which may be produced daily from the wells shall be determined by Division Rules and Regulations or by the gas allowable for each respective prorated pool as printed in the Division's San Juan Basin Gas Proration Schedule.

In accordance with the provisions of Rule 303-C, the supervisor of the Aztec District Office of the Oil Conservation Division shall determine the proper allocation of production from the subject wells following their completion.

FURTHER: The operator shall notify the Aztec District Office of the Division upon implementation of the commingling process.

Pursuant to Rule 303-C-5, the commingling authority granted by the order may be rescinded by the Division Director if, in his opinion, conservation is not being best served by such commingling.

Approved at Santa Fe, New Mexico on this 21st day of February, 1995.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION



WILLIAM J. LEMAY
Director

S E A L

WJL/BES

cc: Oil Conservation Division - Aztec

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
DIVISION FOR THE PURPOSE OF
CONSIDERING:

CASE NO. 6341
Order No. R-5857

APPLICATION OF SUPRON ENERGY
CORPORATION FOR DUAL COMPLETIONS
AND DOWNHOLE COMMINGLING, RIO ARriba
COUNTY, NEW MEXICO.

ORDER OF THE DIVISIONBY THE DIVISION:

This cause came on for hearing at 9 a.m. on November 8, 1978, at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

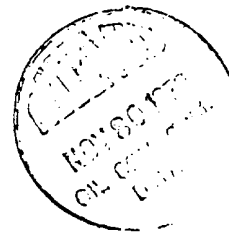
NOW, on this 29th day of November, 1978, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

(1) That due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.

(2) That the applicant, Supron Energy Corporation, seeks the dual completion of its Jicarilla "A" Well No. 8 located in Unit E of Section 23; its Jicarilla "E" Well No. 7 located in Unit P of Section 15; and its Jicarilla "E" Well No. 8 located in Unit C of Section 15, all in Township 26 North, Range 4 West, Rio Arriba County, New Mexico, to produce gas from the Mesaverde formation through tubing and to produce commingled Gallup and Dakota production through a separate string of tubing with separation of the Mesaverde zone from the commingled zones by means of a packer.

(3) That the mechanics of the proposed dual completions are feasible and in accord with good conservation practices.



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Case No. 6341
Order No. R-5857

(4) That the proposed commingling may result in the recovery of additional hydrocarbons from each of the subject pools, thereby preventing waste, and will not violate correlative rights.

(5) That the reservoir characteristics of the Gallup and Dakota formations in each of the subject wells are such that underground waste would not be caused by the proposed commingling provided that the wells are not shut in for an extended period.

(6) That to afford the Division the opportunity to assess the potential for waste and to expeditiously order appropriate remedial action, the operator should notify the Aztec district office of the Division any time any of the subject wells is shut in for 7 consecutive days.

(7) That in order to allocate the commingled production to each of the commingled zones in the subject wells, applicant should conduct tests during completion operations, and should consult with the supervisor of the Division's Aztec office to arrive at an allocation formula.

(8) That approval of the subject application will prevent waste and protect correlative rights.

(9) That Division Orders Nos. MC-1777, MC-1803, and MC-1802, which authorized the dual completion of the subject wells, should be superseded.

IT IS THEREFORE ORDERED:

(1) That the applicant, Supron Energy Corporation, is hereby authorized to dually complete its Jicarilla "A" Well No. 8 located in Unit E of Section 23; its Jicarilla "E" Well No. 7 located in Unit P of Section 15; and its Jicarilla "E" Well No. 8 located in Unit C of Section 15, all in Township 26 North, Range 4 West, Rio Arriba County, New Mexico, to each produce gas from the Mesaverde formation through tubing and to produce commingled Gallup and Dakota production through a separate string of tubing with separation of the Mesaverde zone from the commingled zones to be achieved by means of a packer.

PROVIDED HOWEVER, that the applicant shall complete, operate, and produce said wells in accordance with the provisions of Rule 112-A of the Division Rules and Regulations insofar as said rule is not inconsistent with this order;

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Case No. 6341
Order No. R-5857

PROVIDED FURTHER, that the applicant shall take packer leakage tests upon completion and annually thereafter during the Annual Deliverability Test Period for the prorated gas wells in Northwest New Mexico.

(2) That the applicant, during completion operations on the subject wells, shall conduct tests, and shall consult with the supervisor of the Division's Aztec office to determine a formula for allocation of production to each zone in each well.

(3) That the operator of the subject wells shall immediately notify the Division's Aztec district office any time any such well has been shut-in for 7 consecutive days and shall concurrently present, to the Division, a plan for remedial action.

(4) That Division Orders Nos. MC-1777, MC-1803, and MC-1802 are hereby superseded.

(5) That jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION


JOE D. RAMEY,
Director

S E A L

dr/



Midland Division
Exploration Production

Conoco Inc.
10 Desta Drive, Suite 100W
Midland, TX 79705-4500
(915) 686-5400

February 20, 1996

Mr. Ernie Busch
Aztec District Office
1000 Rio Brazos Rd.
Aztec, New Mexico 87410

**Re: Jicarilla "A" No. 8 Downhole Commingling Allocation Formula Approval
Unit E, Section 23, Township 26 North, Range 4 West, Rio Arriba County
Downhole Commingling Authorized by Administrative Order DHC-1095**

Dear Mr. Busch:

Conoco recently purchased the subject well from Merit Energy Company. Downhole commingling approval had already been secured by Merit through Order DHC-1095, but apparently Merit had not yet contacted your office to secure approval of an allocation formula for the commingled well. Therefore, Conoco as the current operator is submitting the following production history and proposed fixed allocation formula for your approval.

EXHIBIT A: Blanco Mesaverde production history plot

EXHIBIT B: Basin Dakota production history plot

EXHIBIT C: — Production plots with projected exponential decline fit of data
— Historical data for both zones (cums, current rates, decline rates)
— 1/1/96 producing rates
— Proposed fixed allocation factors based on 1/1/96 rates

Since decline analysis of both producing zones indicates that both are producing at a stabilized 4.5% exponential decline, it is proposed that the following fixed percentage formula be established for proper allocation of production from this commingled well:

	<u>GAS</u>	<u>OIL</u>
Blanco Mesaverde	65 %	26 %
Basin Dakota	35 %	74 %

If you have any further questions or requirements for your consideration of this proposal, please contact me at (915) 686-6548.

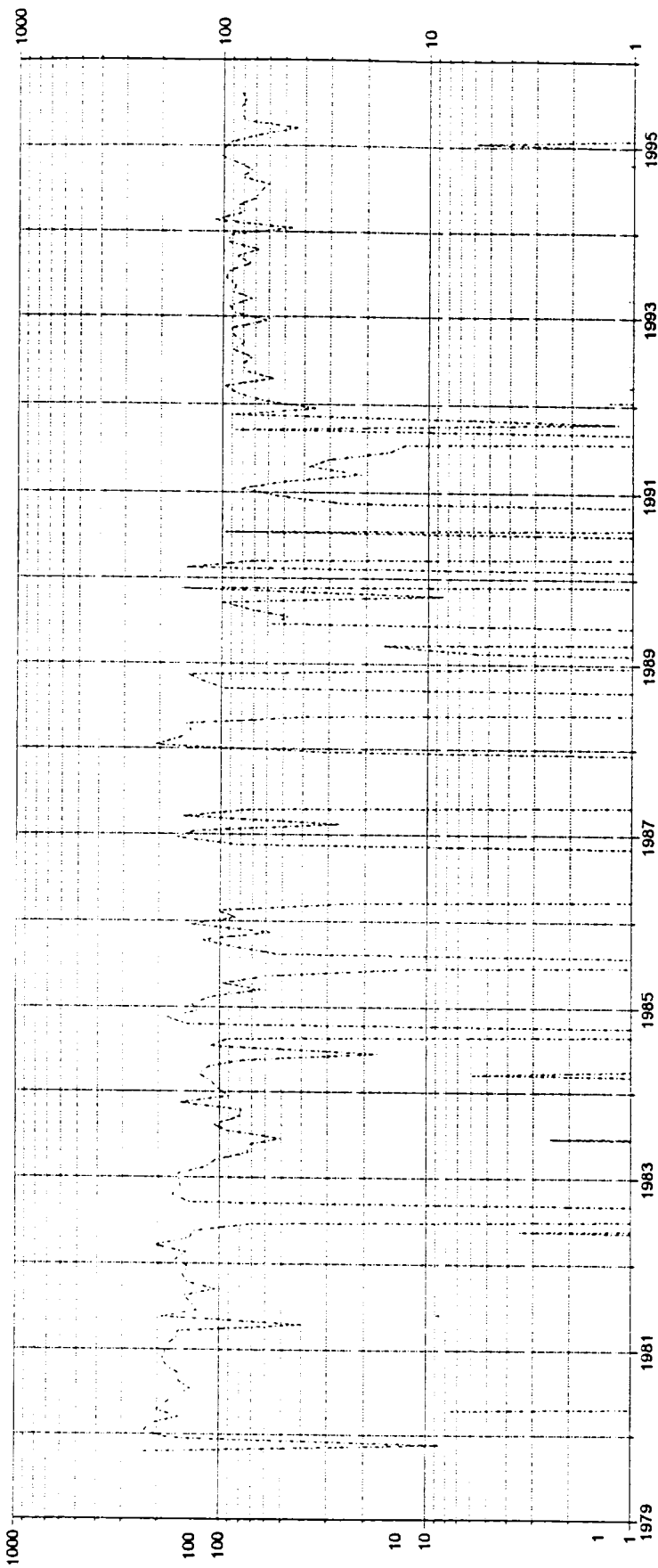
Very truly yours,

Jerry W. Hoover
Sr. Conservation Coordinator

Dwights

1000 Lease: JICARILLA A 000008

Retrieval Code: 261,039,26N04W23E00M



County: RIO ARRIBA

Field: BLANCO (MESAVERDE) MV

Reservoir: MESAVERDE

Operator: CONOCO INC

State: NM

Oil Cum: 1409 bbl

Gas Cum: 482369 mcf

Location: 23E 26N 4W

F.P. Date: 10/79

Water (bbl/day)

Gas (mcf/day)

Date: 02/07/96

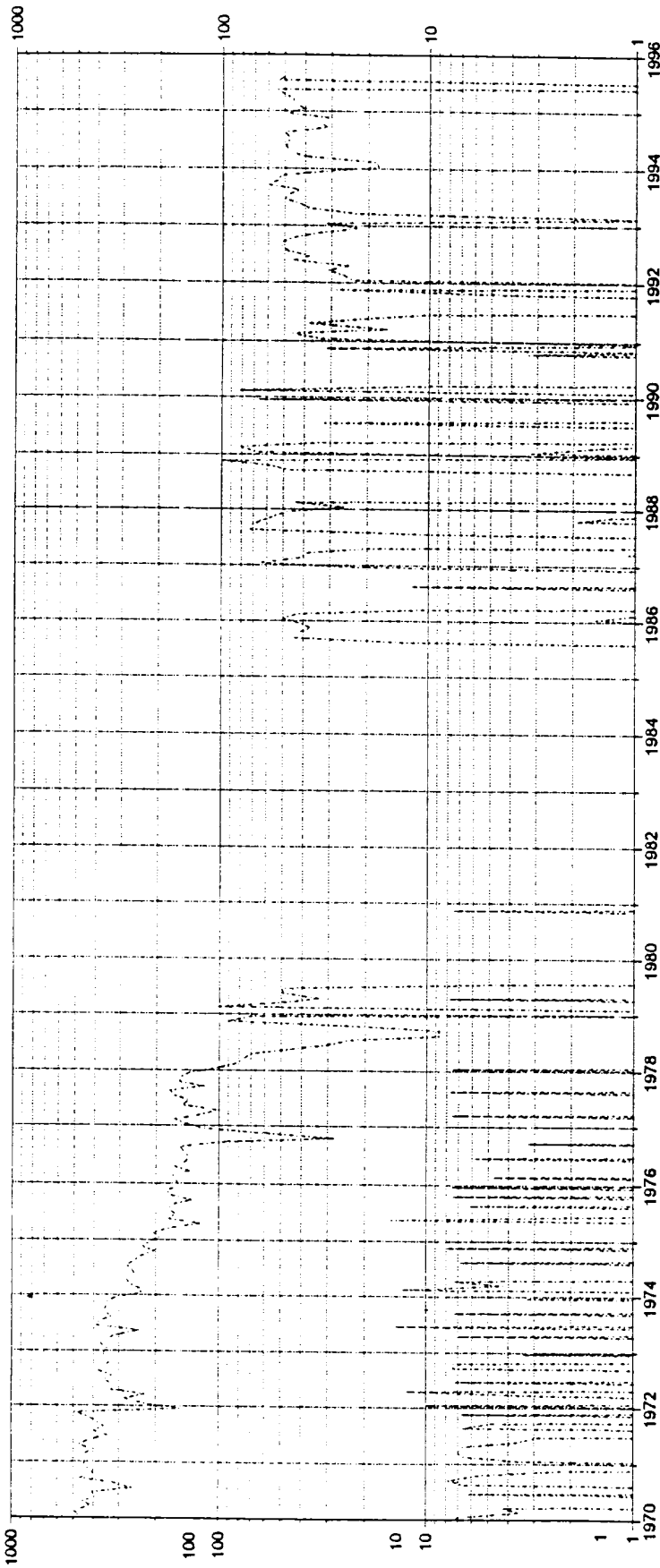
Oil (bbl/day)

EXHIBIT A

Dwights

Lease: JICARILLI A 000008

Retrieval Code: 251,939,26N04W23E00D



County: RIO ARriba

Field: BASIN (DAKOTA) DK

Reservoir: DAKOTA

Operator: CONOCO INC

State: NM

Oil Cum: 18857 bbl

Gas Cum: 1217 mmcf

Location: 23E 26N 4W

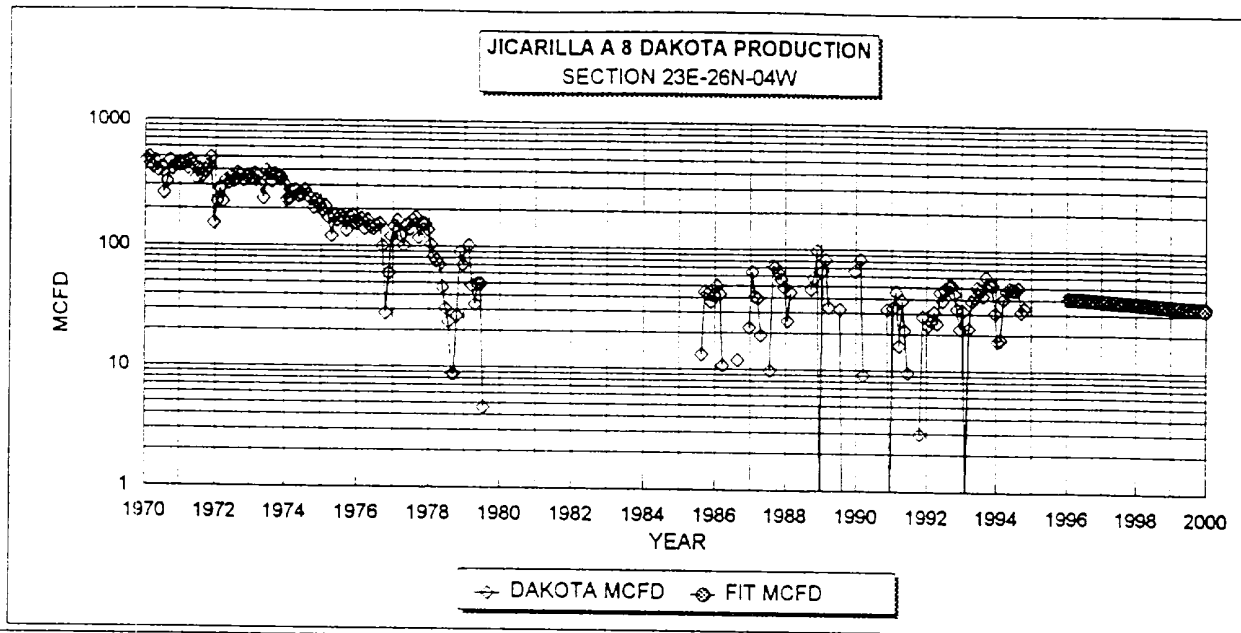
F.P. Date: 11/67

Date: 02/07/96

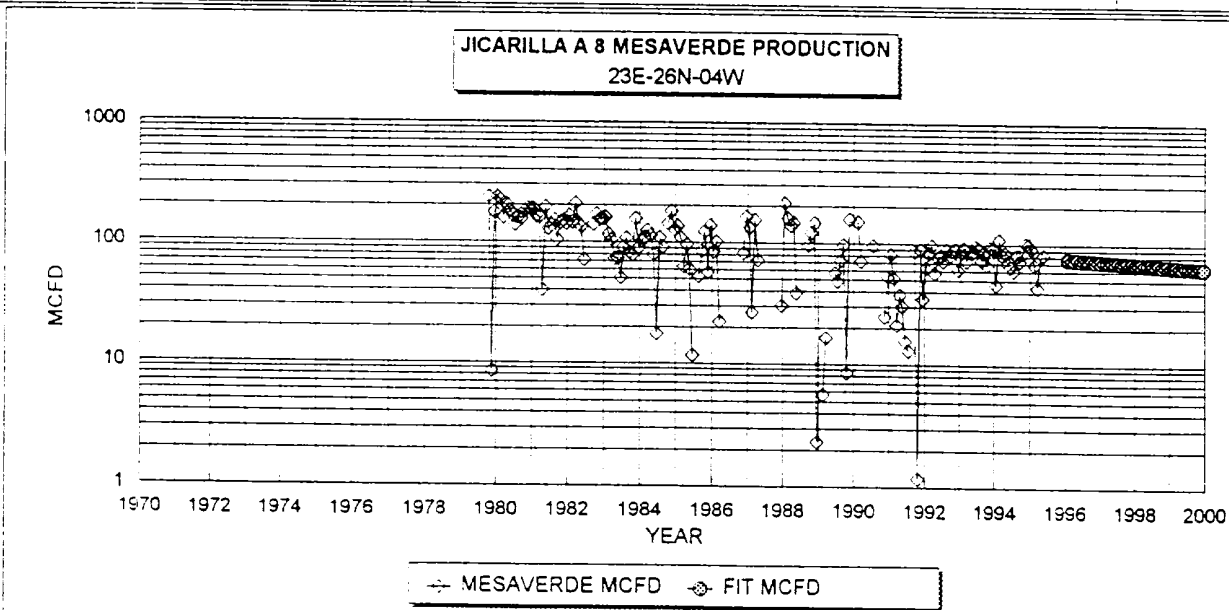
Water (bbl/day)

Gas (mcf/day)

Oil (bbl/day)



DAKOTA HISTORICAL DATA:		1ST PROD: 11/6	DAKOTA PROJECTED DATA	
OIL CUM:	18.86	MBO	1/1/96 QI:	41 MCFD
GAS CUM:	1217.00	MMCF	DECLINE RATE:	4.5% (EXPONENTIAL)
OIL YIELD:	0.0155	BBL/MCF		



MESAVERDE HISTORICAL DATA		1ST PROD: 10/7	MESAVERDE PROJECTED DATA	
OIL CUM:	1.41	MBO	1/1/96 QI:	76 MCFD
GAS CUM:	482.37	MMCF	DECLINE RATE:	4.5% (EXPONENTIAL)
OIL YIELD:	0.0029	BBL/MCF		

FIXED COMMINGLE ALLOCATION FACTORS:			
	GAS	OIL	
MESAVERDE:	65%	26%	
DAKOTA:	35%	74%	

GAS ALLOCATION BASED ON PROJECTED 1996 RATES
OIL ALLOCATION BASED ON WEIGHTED CUM OIL YIELDS

NOTE: ALL PRODUCTION DATA FROM DWIGHTS ENERGY DATA

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> Other _____		5. LEASE DESIGNATION AND SERIAL NO. Contract #105									
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache									
2. NAME OF OPERATOR Southern Union Production Company		7. UNIT AGREEMENT NAME _____									
3. ADDRESS OF OPERATOR P. O. Box 808, Farmington, New Mexico 87401		8. FARM OR LEASE NAME Jicarilla "A"									
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1450 ft. from the North line & 885 ft. from the West line At top prod. interval reported below Same as above At total depth Same as above		9. WELL NO. 8									
14. PERMIT NO. _____ DATE ISSUED _____		10. FIELD AND ZONE OR WILDCAT Basin Dakota Undesignated Gallup									
12. COUNTY OR PARISH Rio Arriba		13. STATE New Mexico									
15. DATE SPUNDED 5/19/67	16. DATE T.D. REACHED 6/7/67	17. DATE COMPL. (Ready to prod.) 6/22/67	18. ELEVATIONS (OF R.S.B. RT. GR. ETC.)* 6873 ft. R.K.B.								
19. ELEV. CASINGHEAD 6863 ft.		20. TOTAL DEPTH, MD & TVD 7965 MD & TVD									
21. PLUG BACK T.D., MD & TVD 7928 MD & TVD		22. IF MULTIPLE COMPL., HOW MANY* 2									
23. INTERVALS DRILLED BY 0-7965		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 7214-7240 ft. MD & TVD 7700-7872 ft. MD & TVD									
25. TYPE ELECTRIC AND OTHER LOGS RUN Induction-Electrical, Density, Gamma Ray Correlation, Cement Bond		26. WAS DIRECTIONAL SURVEY MADE NO									
27. WAS WELL CORED. NO		28. CASING RECORD (Report all strings set in well)									
29. LINER RECORD		30. TUBING RECORD									
31. PERFORATION RECORD (Interval, size and number) Undesignated Gallup: 2/ft. 7214-7240 Dakota: 2/ft. 7700-7724, 7816-7825, 7828-7832, 7854-7872 Hole Size 0.48"		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. <table border="1"><thead><tr><th>DEPTH INTERVAL (MD)</th><th>AMOUNT AND KIND OF MATERIAL USED</th></tr></thead><tbody><tr><td>7214-7240</td><td>Acidized w/500 gal. 7% Mud Acid</td></tr><tr><td>7700-7872</td><td>Acidized w/2500 gal. 15% Acid.</td></tr><tr><td></td><td>Sand Frac. w/80,000# sand, 125,160 gal. 0.8% KCL water & 2000# glass beads.</td></tr></tbody></table>		DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED	7214-7240	Acidized w/500 gal. 7% Mud Acid	7700-7872	Acidized w/2500 gal. 15% Acid.		Sand Frac. w/80,000# sand, 125,160 gal. 0.8% KCL water & 2000# glass beads.
DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED										
7214-7240	Acidized w/500 gal. 7% Mud Acid										
7700-7872	Acidized w/2500 gal. 15% Acid.										
	Sand Frac. w/80,000# sand, 125,160 gal. 0.8% KCL water & 2000# glass beads.										
33. PRODUCTION DATE FIRST PRODUCTION _____ PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) _____ WELL STATUS (Producing or shut-in) Shut-in		34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented									
35. LIST OF ATTACHMENTS Kenneth E. Roddy		36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records									
SIGNED GILBERT D. NOLAND, JR. Gilbert D. Noland, Jr.		TITLE Drilling Superintendent DATE Sept. 25, 1967									

*(See Instructions and Spaces for Additional Data on Reverse Side)