

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

DISTRICT II
611 South First St. Artesia, NM 88210-2835

DISTRICT III
1000 Rio Brazos Rd. Aztec, NM 87410-1393

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

State TX Well No. #3A Section 32, T-29-N, R-8-W, F San Juan County

OGRID NO. 005073 Property Code 003251 API NO. 30-045-21632 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 Pictured Cliffs 72359		Blanco Mesaverde 72319
2. TOP and Bottom of Pay Section (Perforations)	2360-2379'		4006-4796'
3. Type of production (Oil or Gas)	Gas		Gas
4. Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
5. Bottomhole Pressure	a. (Current) 159		243
Oil Zones - Artificial Lift Gas & Oil - Flowing All Gas Zones Estimated or Measured Original	b. (Original) 1023		810
6. Oil Gravity (*API) or Gas BT Content	1191		1202
7. Producing or Shut-in?	Shut-in		Shut-in
Production Marginal? (yes or no)	Yes		Yes
• If Shut-in give date and oil/gas/water rates of last production	Date 6/98 Rates 60 MCFD	Date 6/98 Rates 90 MCFD	Date 6/98 Rates 90 MCFD
Note: For new zones with no production history, applicant should 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
8. Fixed Percentage Allocation Formula (% of each zone)	0 % Gas 37 %	0 % Gas %	100 % Gas 63 %

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

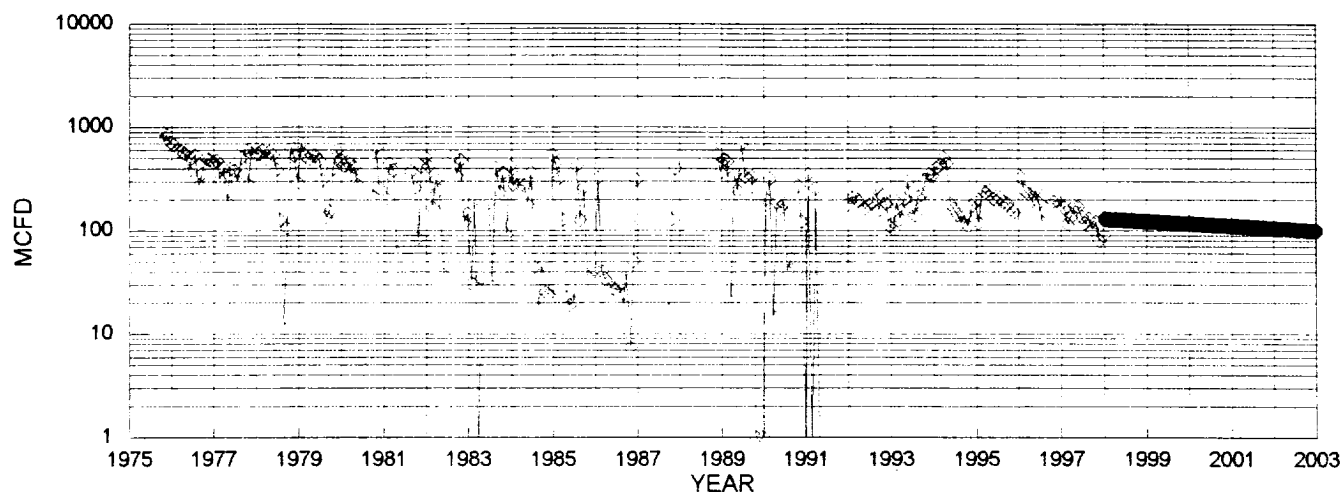
- C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- Production curve for each zone for at least one year. (If not available, attach explanation.)
- For zones with no production history, estimated production rates and supporting data.
- Data to support allocation 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 July 14, 1998

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

STATE 3A MESAVERDE PRODUCTION SECTION 32F-29N-08W



— MESAVERDE MCFD ● FIT MCFD

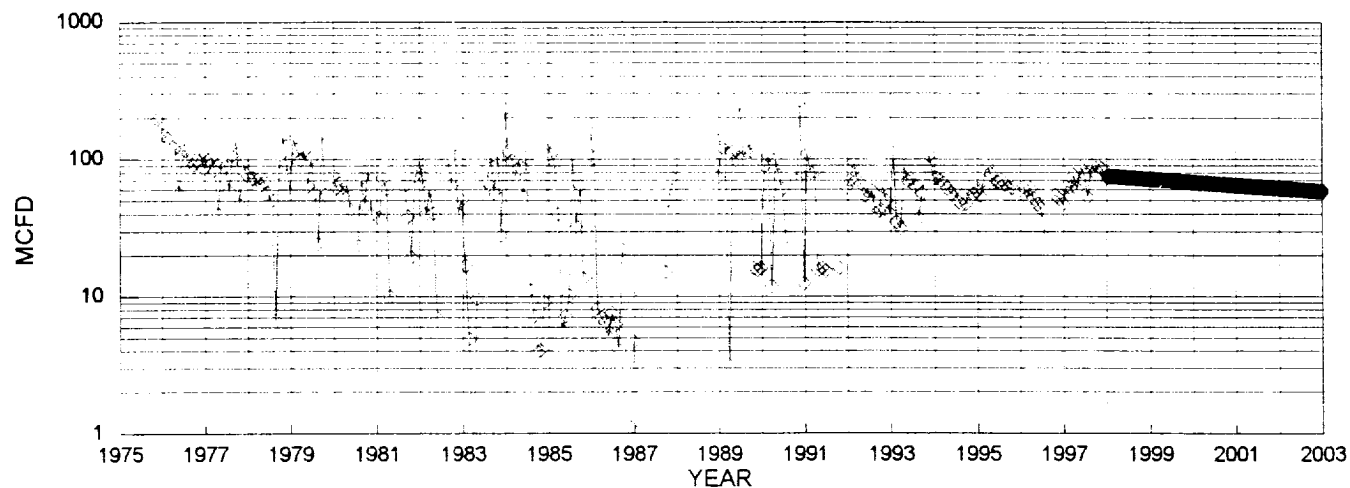
MESAVERDE HISTORICAL DATA: 1ST PROD: 03/83

OIL CUM: 2.88 MBO
GAS CUM: 1880.9 MMCF
OIL YIELD: 0.0016 BBL/MCF

MESAVERDE PROJECTED DATA

1/1/98 Qi: 129 MCFD
DECLINE RATE: 5.0% (EXPONENTIAL)

STATE 3A PICTURED CLIFFS PRODUCTION SECTION 32F-29N-08W



— PICTURED CLIFFS MCFD ● FIT MCFD

PICT. CLIFFS HISTORICAL DATA 1ST PROD: 09/75

OIL CUM: 0.0 MBO
GAS CUM: 489.7 MMCF
OIL YIELD: 0.0000 BBL/MCF

PICT. CLIFFS PROJECTED DATA

1/1/98 Qi: 75 MCFD
DECLINE RATE: 5.0% (EXPONENTIAL)

FIXED COMMINGLE ALLOCATION FACTORS:

	GAS	OIL
MESAVERDE	63%	100%
PICT. CLIFFS	37%	0%

GAS ALLOCATION BASED ON PROJECTED 1998 RATES
OIL ALLOCATION BASED ON WEIGHTED CUM OIL YIELDS

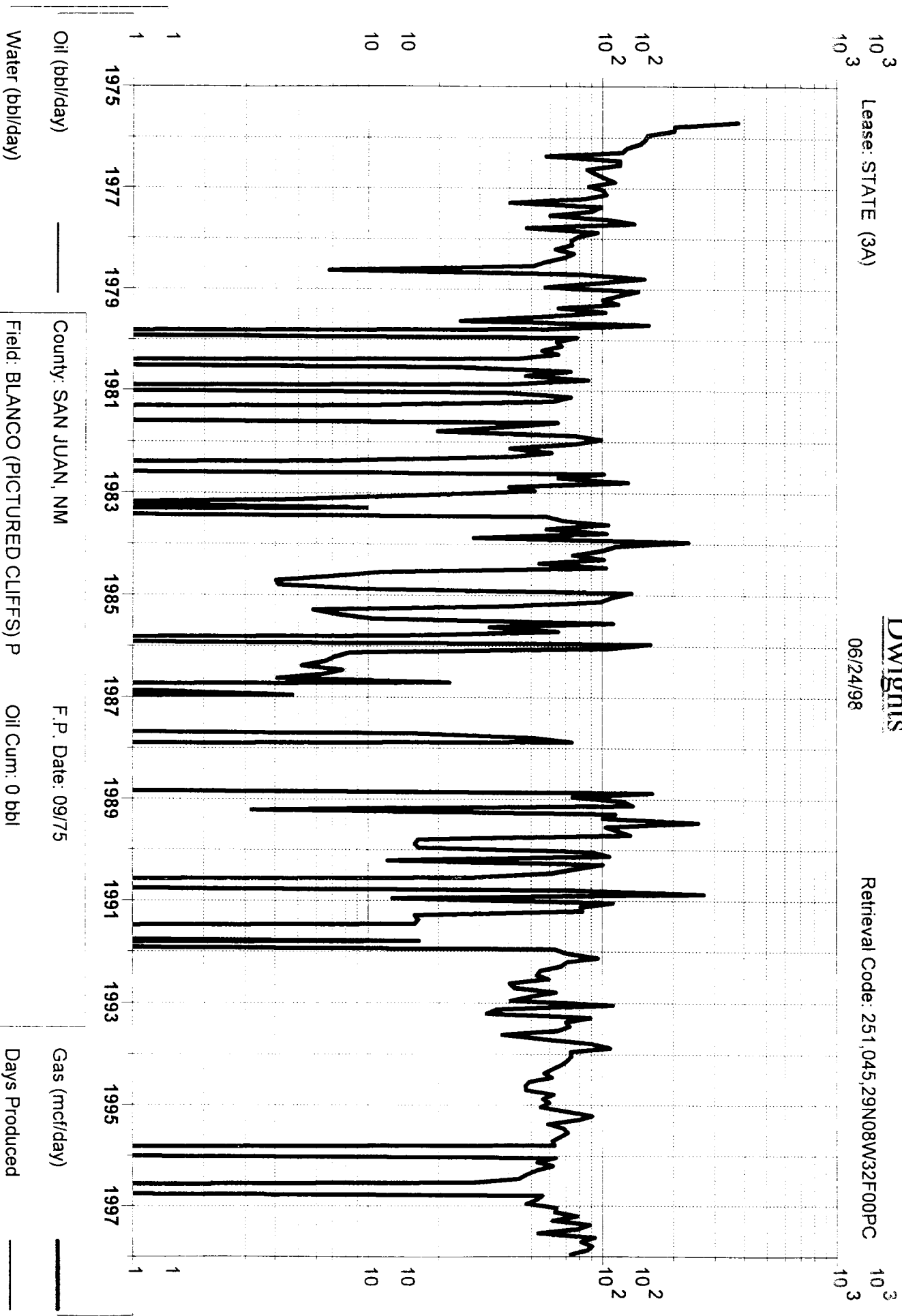
NOTE: ALL PRODUCTION DATA FROM DWIGHTS ENERGYDATA

Dwights

Lease: STATE (3A)

06/24/98

Retrieval Code: 251,045,29N08W32F00PC



Oil (bbl/day)

County: SAN JUAN, NM

F.P. Date: 09/75

Gas (mcf/day)

Water (bbl/day)

Field: BLANCO (PICTURED CLIFFS) P

Oil Cum: 0 bbl

Days Produced

Reservoir: PICTURED CLIFFS

Gas Cum: 489.7 mmcf

Operator: CONOCO INC

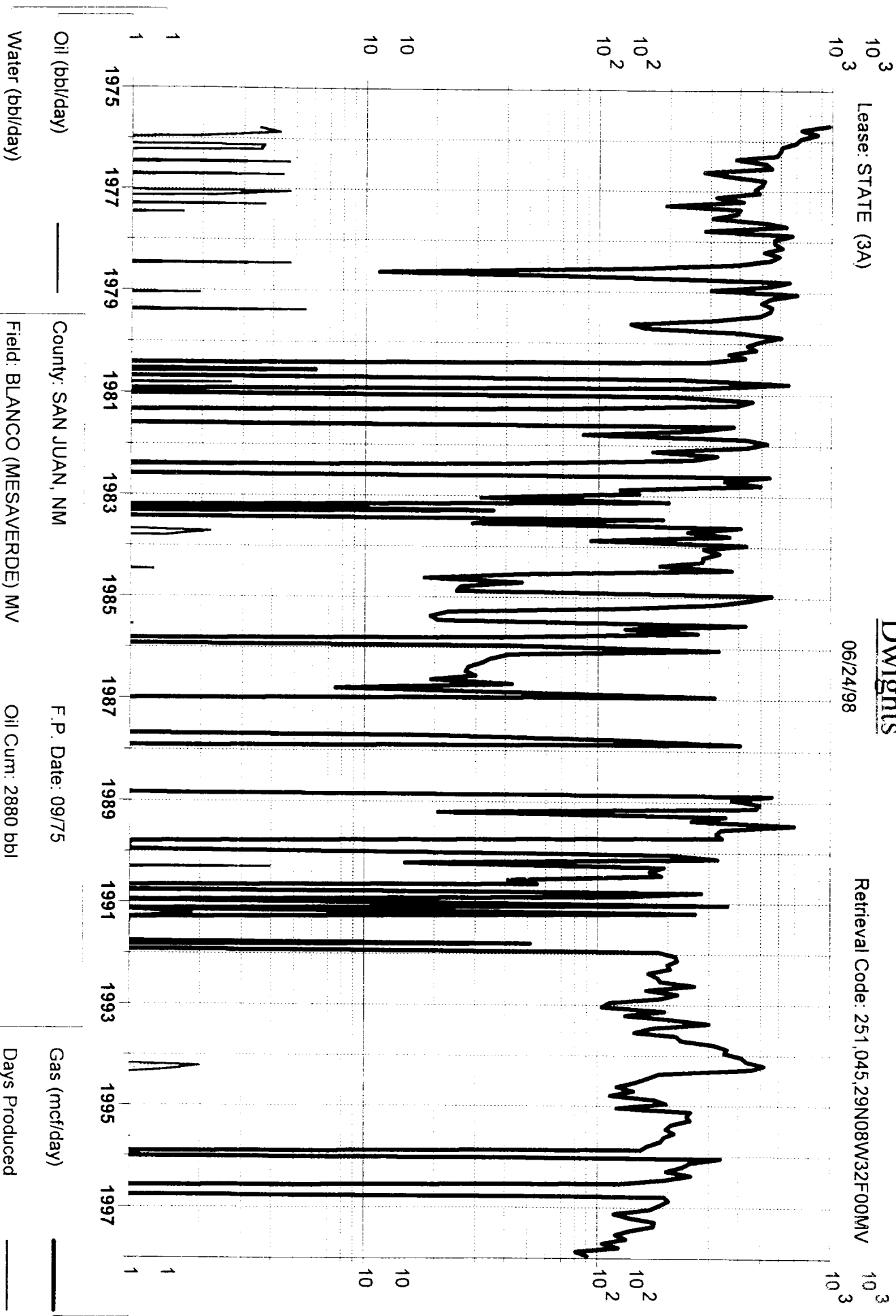
Location: 32F 29N 8W

Dwights

Lease: STATE (3A)

06/24/98

Retrieval Code: 251,045,29N08W32F00MV



NE EXICO 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.

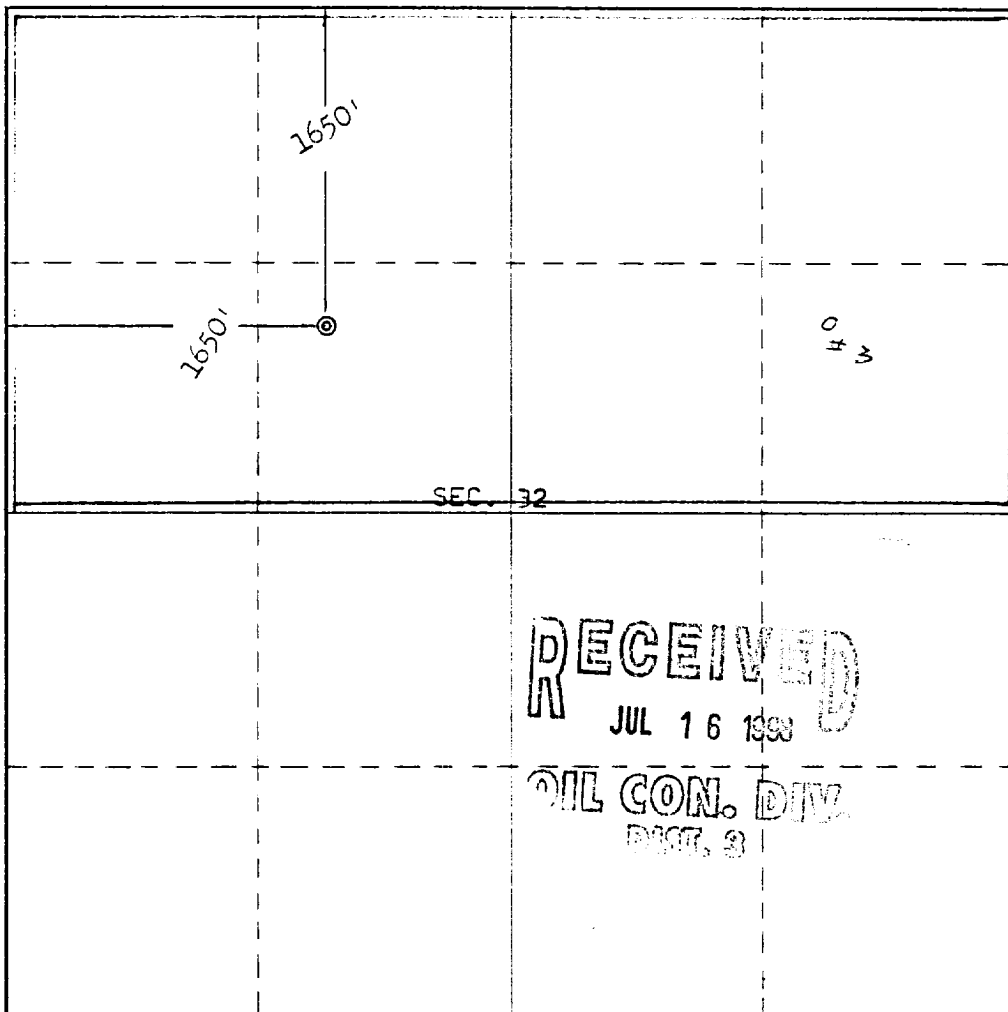
Operator Mesa Petroleum Co.			Lease State		Well No. 3 A
Unit Letter F	Section 32	Township 29 North	Range 8 West	County San Juan	
Actual Footage Location of Well:					
1650 feet from the North line and		1650 feet from the West line			
Ground Level Elev. 5851	Producing Formation Mesa Verde	Pool 1650 Blanco	Dedicated Acreage: 32.0 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 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.

E. V. Echolaw

Name
J. L. Echolaw

Position
REGISTERED PROFESSIONAL ENGINEER

Company
MESA PETROLEUM CO.

Date
1/3/75

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

December 31, 1974

Registered Professional Engineer and/or Land Surveyor

E. V. Echolaw

Certificate No. **3602**
E.V. Echolaw LS

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

RECEIVED

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

All distances must be from the outer boundaries of the Section.

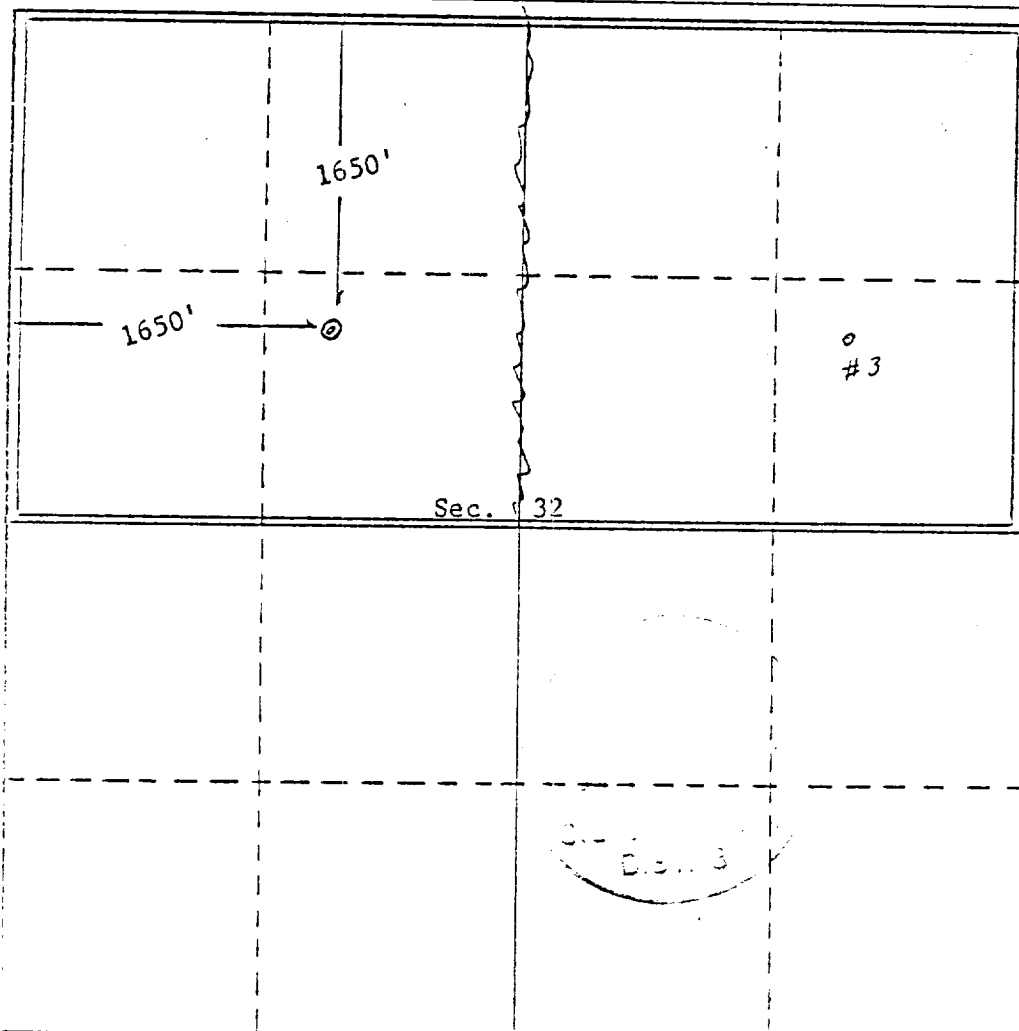
Operator Mesa Petroleum Co.		Lease State		Well No. 3A
Unit Letter F	Section 32	Township 29 North	Range 8 West	County San Juan
Actual Footage Location of Well: 1650 feet from the North line and 1650 feet from the West line				
Ground Level Elev. 5851'	Producing Formation Pictured Cliffs	Pool Blanco	Dedicated Acreage: 320/160 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 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.

Name
J. L. Farrell
Position
Operations Manager
Company
Mesa Petroleum Co.
Date
6/3/75

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
Registered Professional Engineer and/or Land Surveyor

Certificate No.



OIL CONSERVATION COMMISSION

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

June 10, 1975

mv
I. R. TRUJILLO
CHAIRMAN

LAND COMMISSIONER
PHIL R. LUCERO
MEMBER

STATE GEOLOGIST
A. L. PORTER, JR.
SECRETARY - DIRECTOR

RECEIVED

JUN 16 1975

AMA. PROD.

Mesa Petroleum Company
P. O. Box 2009
Amarillo, Texas 79105

Attention: R. J. Flaker

Re: Administrative Order No. MC ²¹⁰~~2890~~

Gentlemen:

Enclosed herewith please find Administrative Order MC-2890
for the following described well:

State Well No. 3-A located in
Unit F of Section 32, Township
29 North, Range 8 West, NMPM,
San Juan County, New Mexico.

Very truly yours,

Joe D. Ramey
JOE D. RAMEY
Secretary-Director

JDR/CU/og

cc: Oil Conservation Commission
1000 Rio Brazos Road
Aztec, New Mexico

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State # 3A
Section 32, T-29-N, R-8-W, F
API # 30-045-21632
San Juan County, NM

RE: Application to Downhole Commingle C-107A

Offset Operators:

Amoco Production Co
PO Box 800
Denver, CO 80201

Richardson Operating
1700 Lincoln ST STE 1700
Denver, CO 80203

West Largo Corp
PO Box 621088
Little3ton, CO 80162-1088

Kukui Operating Co.
1415 Louisana STE 3650
Wedge International Tower
Houston, TX 77002

Burlington Resources Oil & Gas
PO Box 4289
Farmington, NM 87499

Lively Exploration Co.
1300 Post Oak Blvd. #1900
Houston, TX 77056-3013

A copy of the C-107A application has been sent tp the above listed parties.