

DISTRICT I

P.O. Box 1980, Hobbs, NM 88241-0880

DISTRICT II

811 South First St., Artesia, NM 88210-2835

DISTRICT III CONSERVATION DIVISION

1000 Rio Brazos Rd., Aztec, NM 87410-1893

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

Operator Conoco Inc. Address 10 Desta Dr. Ste 100W, Midland TX 79705

Lease State Com H Well No. 4A Unit Ltr. - Sec. - Twp. - Rge F-32-31N-9W County San Juan

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 005073 Property Code 003268 API NO. 30-045-21708 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 PC 72359		Blanco Mesaverde 72319
2. Top and Bottom of Pay Section (Perforations)	3362' - 3392'		4876' - 5728'
3. Type of production (Oil or Gas)	Gas		Gas
4. Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
5. Bottomhole Pressure	a. (Current) 211 psi	a.	a. 254 psi
Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated Or Measured Original	b. (Original) 1222 psi	b.	b. 986 psi
6. Oil Gravity (° API) or Gas BTU Content	1183 BTU		1162 BTU
7. Producing or Shut-In?	Producing		Producing
Production Marginal? (yes or no)	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, give date and oil/gas/water rates of recent test (within 60 days)	Date: 1/96 Rates: .0005 bbl/mcf 55 mcf/gpd, 0 bwpd	Date: Rates:	Date: 1/96 Rates: .0055 bbl/mcf 410 mcf/gpd, 0 bwpd
8. Fixed Percentage Allocation Formula - % for each zone	Oil: 1 % Gas: 12 %	Oil: % Gas: %	Oil: 99 % Gas: 88 %

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 other? ☒ 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 Jerry W. Hoover Sr. Conservation TITLE Coordinator DATE 5/17/96

TYPE OR PRINT NAME Jerry W. Hoover TELEPHONE NO. (715) 686-6548

**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.

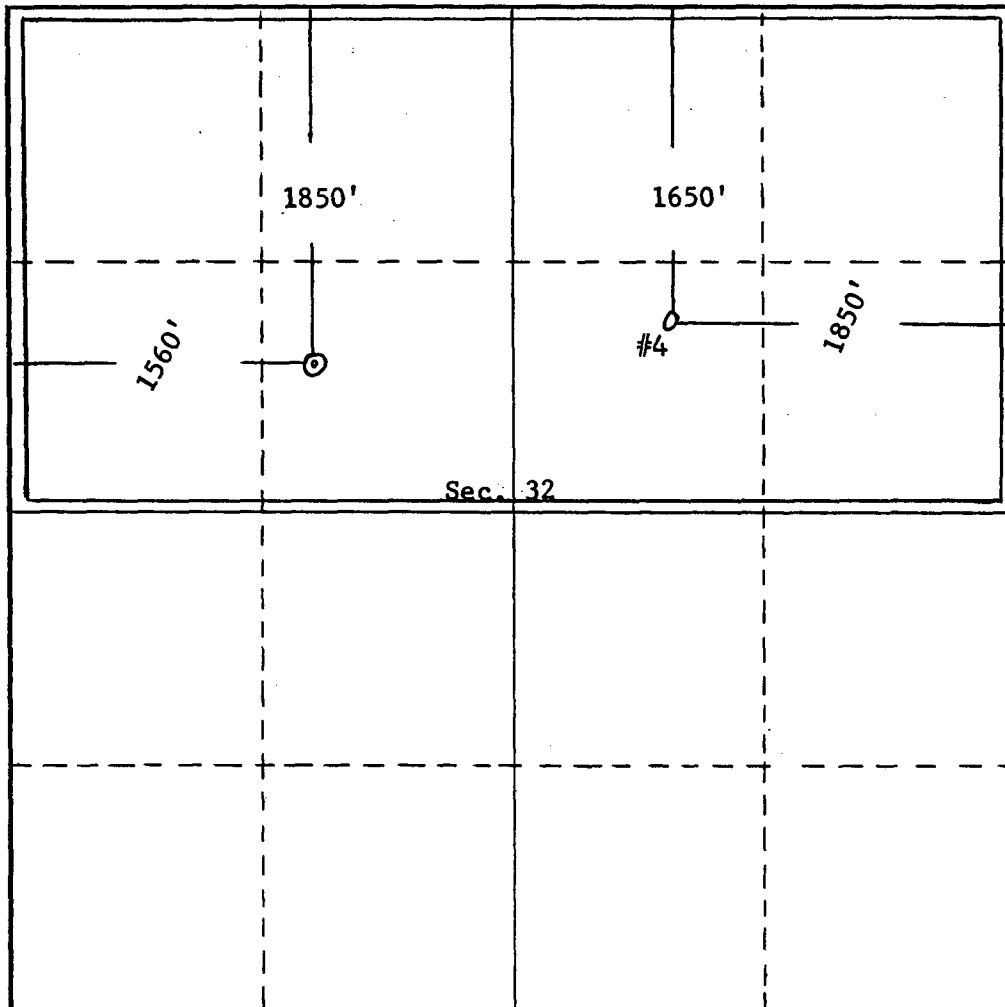
Operator <b>Mesa Petroleum Co.</b>			Lease <b>State Com H</b>		Well No. <b>#4A</b>
Unit Letter <b>F</b>	Section <b>32</b>	Township <b>31 North</b>	Range <b>9 West</b>	County <b>San Juan</b>	
Actual Footage Location of Well:					
<b>1850</b>		feet from the <b>North</b>	line and	<b>1560</b>	feet from the <b>West</b> line
Ground Level Elev. <b>6589'</b>	Producing Formation <b>Pictured Cliffs</b>		Pool <b>Blanco</b>		Dedicated Acreage: <b>320</b> 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.**

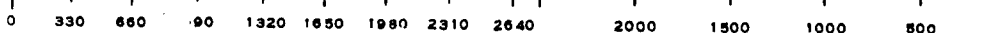
Date  
**6/4/75**

*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.



# 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.

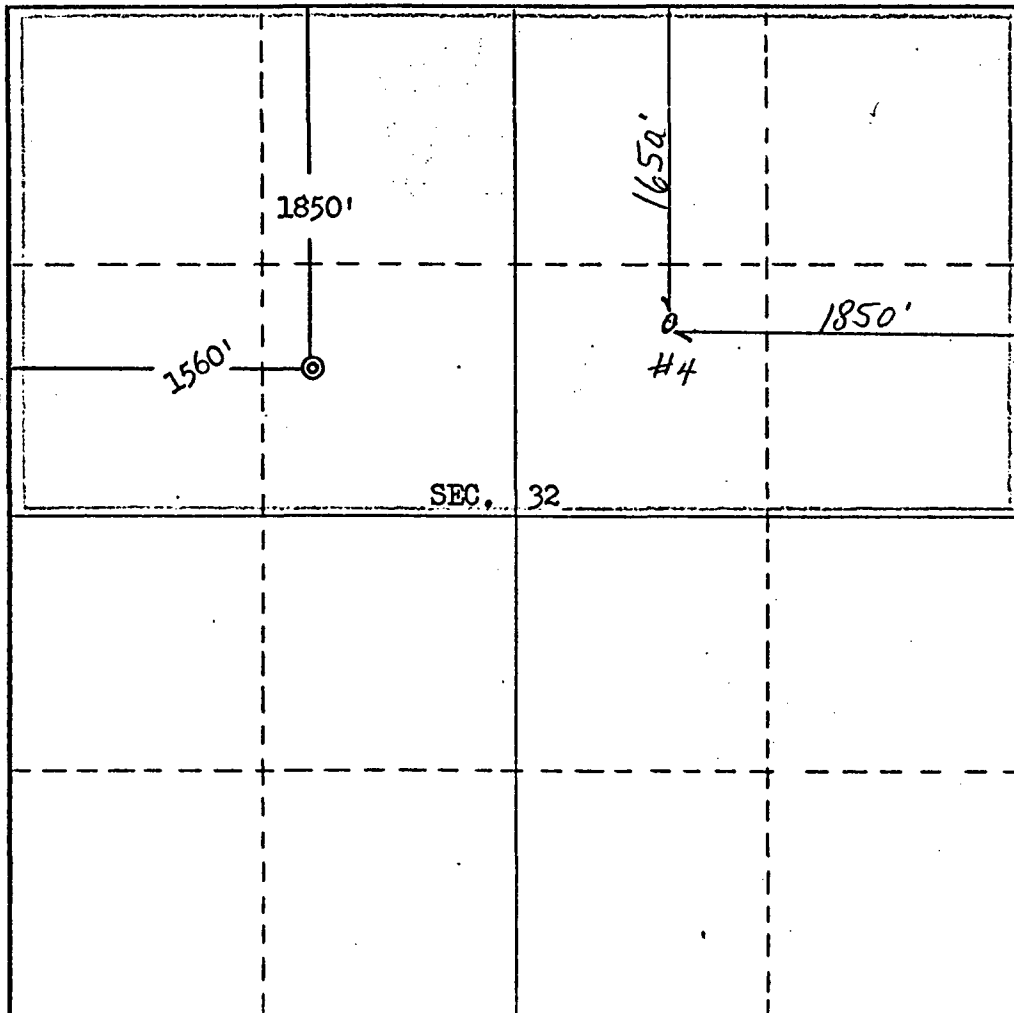
Operator <b>Mesa Petroleum Company</b>			Lease <b>State Com H</b>		Well No. <b>4A</b>
Unit Letter <b>F</b>	Section <b>32</b>	Township <b>31 North</b>	Range <b>9 West</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <b>1850</b> feet from the <b>North</b> line and <b>1560</b> feet from the <b>West</b> line					
Ground Level Elev. <b>6589</b>	Producing Formation <b>Mesaverde</b>		Pool <b>Blanco</b>	Dedicated Acreage: <b>320</b> 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.

*R. J. Flaker*

Name  
**R. J. Flaker**

Position  
**Production Engr.**

Company  
**Mesa Petroleum Co.**

Date  
**2/12/75**

REGISTERED LAND SURVEYOR  
STATE OF NEW MEXICO  
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 are correct to the best of my knowledge and belief.

**Reg. No. 3602**  
*E. V. Echhawk*

Date Surveyed  
**January 29, 1975**

Registered Professional Engineer and/or Land Surveyor

*E. V. Echhawk*

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

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

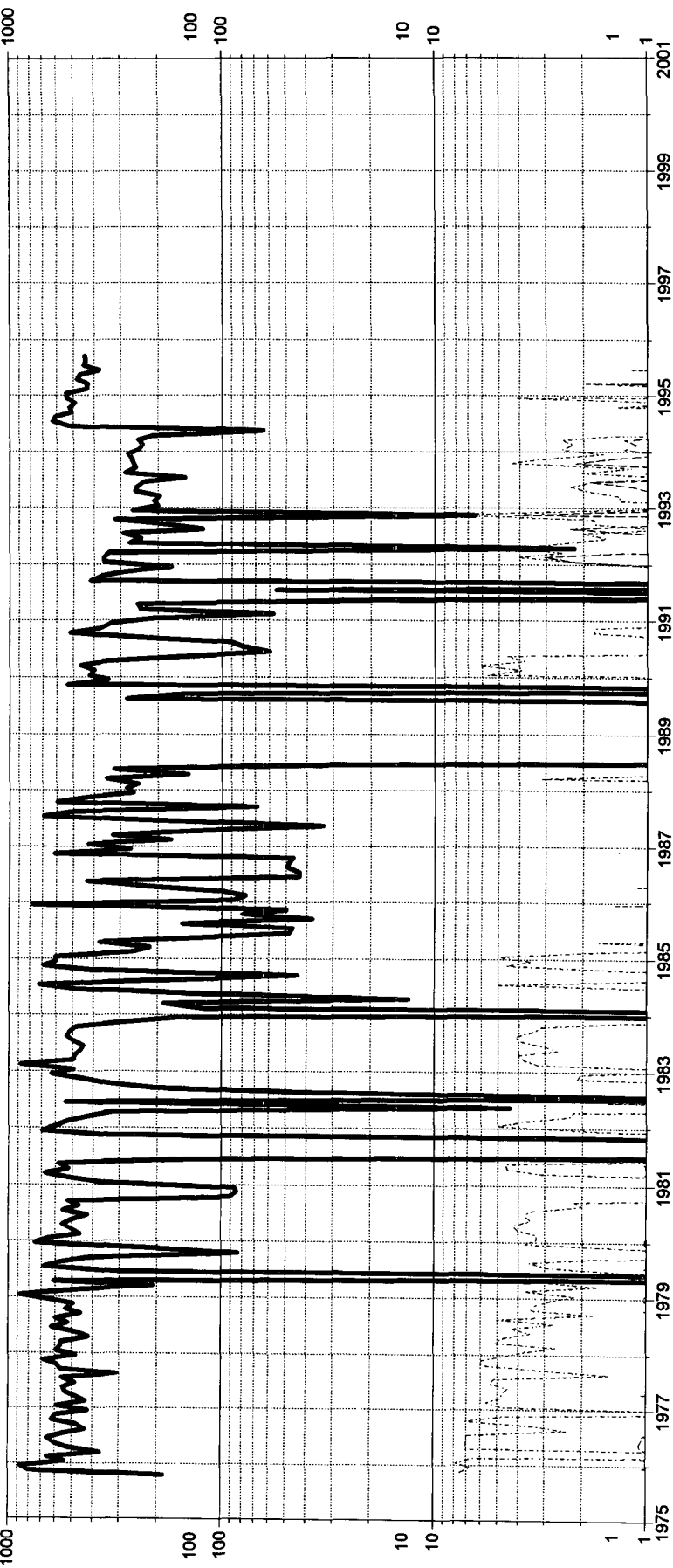
XC 7/1/75 EPN6

# Dwights

1000 Lease: STATE COM H 00004A

Retrieval Code: 251,045,31N09W32F00M

1000 1000 100 100 10 10 1 1



County: SAN JUAN

State: NM

F.P. Date: 10/75

Date: 02/20/96

Field: BLANCO (MESAVARDE) MV

Oil Cum: 13217 bbl

Reservoir: MESAVARDE

Gas Cum: 2411 mmcf

Water (bbl/day)

Well Count

Operator: CONOCO INC

Location: 32F 31N 9W

Gas (mcf/day)

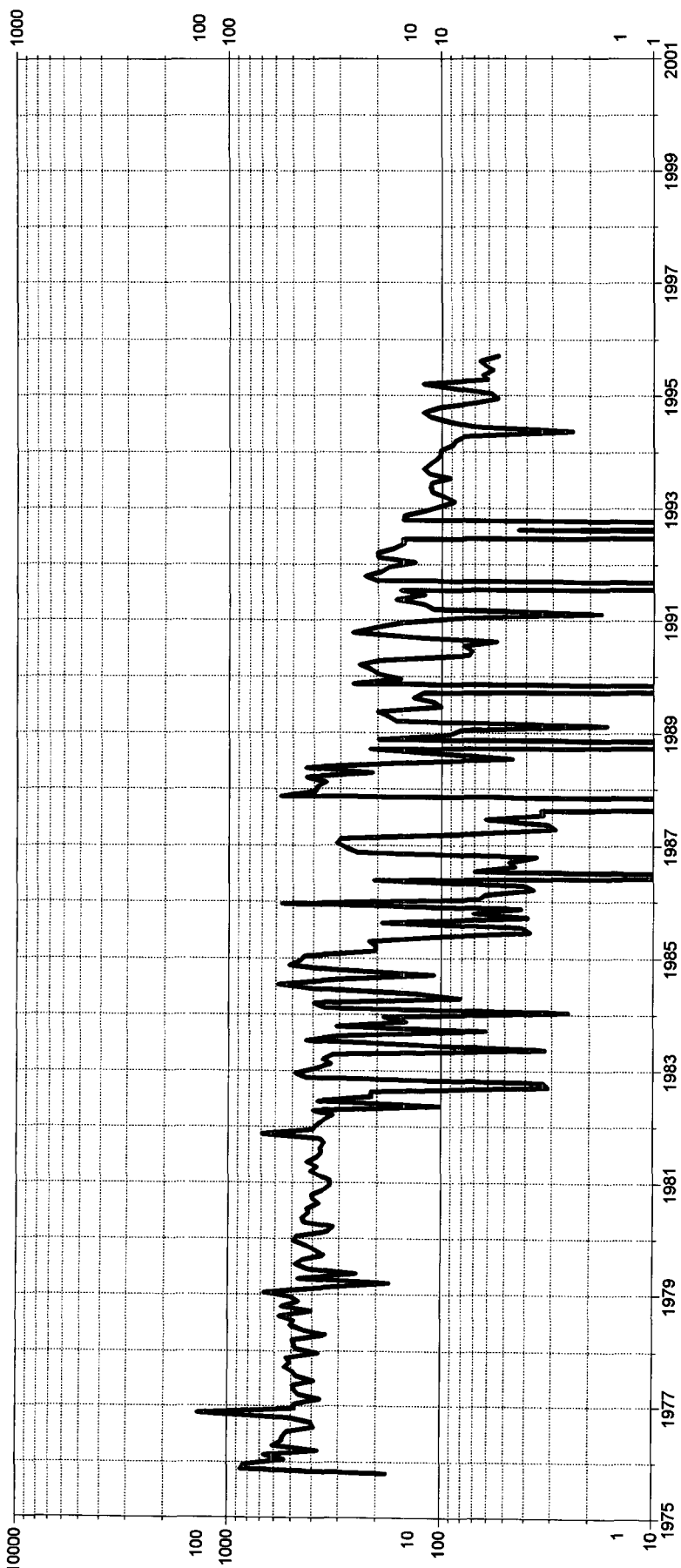
Oil (bbl/day)

# Dwights

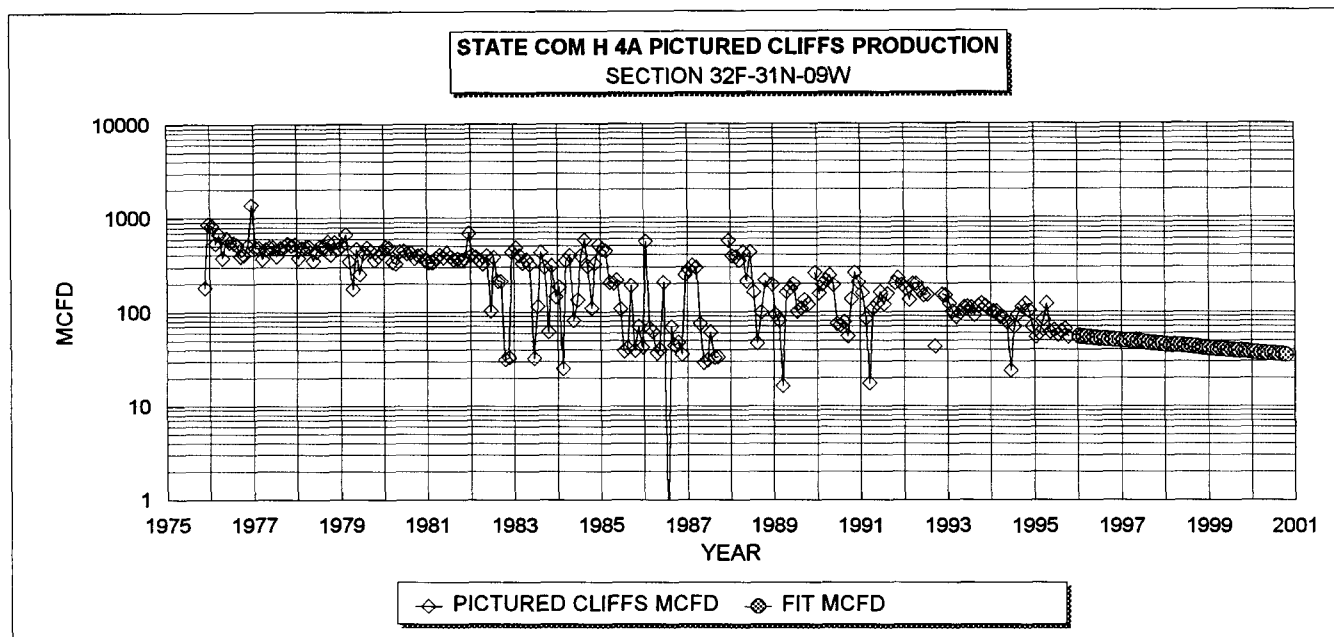
1000 Lease: STATE COM H 00004A

Retrieval Code: 251,045,31N09W32F00P

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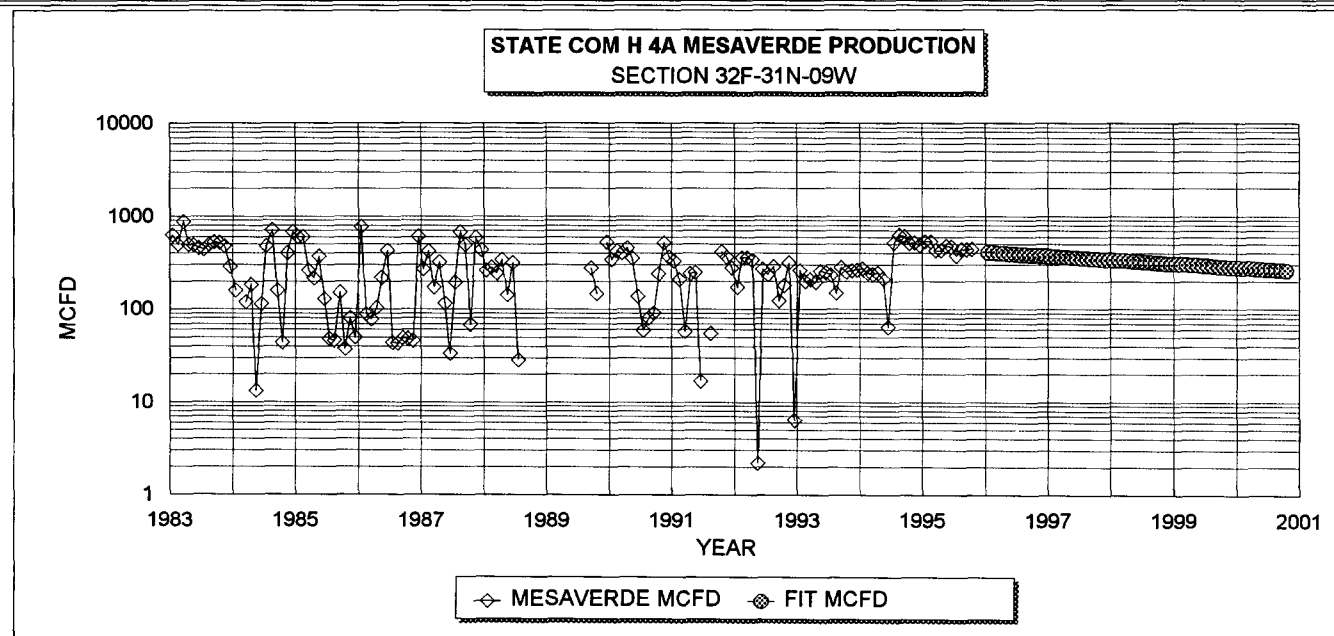


County: SAN JUAN	State: NM	F.P. Date: 10/75	Date: 02/20/96
Field: BLANCO (PICTURED CLIFFS) PC	Oil Cum: 947 bbl	Water (bbl/day)	Well Count
Reservoir: PICTURED CLIFFS	Gas Cum: 1876 mmcf	Gas (mcf/day)	Oil (bbl/day)
Operator: CONOCO INC	Location: 32F 31N 9W		



**PICT. CLIFFS HISTORICAL DATA:** 1ST PROD: 10/75  
**OIL CUM:** 0.95 MBO  
**GAS CUM:** 1876.27 MMCF  
**OIL YIELD:** 0.0005 BBL/MCF

**PICTURED CLIFFS PROJECTED DATA**  
 1/1/96 Q1: 55 MCFD  
**DECLINE RATE:** 9.0% (EXPONENTIAL)



**MESAVERDE HISTORICAL DATA** 1ST PROD: 10/75  
**OIL CUM:** 13.22 MBO  
**GAS CUM:** 2411.96 MMCF  
**OIL YIELD:** 0.0055 BBL/MCF

**MESAVERDE PROJECTED DATA**  
 1/1/96 Q1: 410 MCFD  
**DECLINE RATE:** 9.0% (EXPONENTIAL)

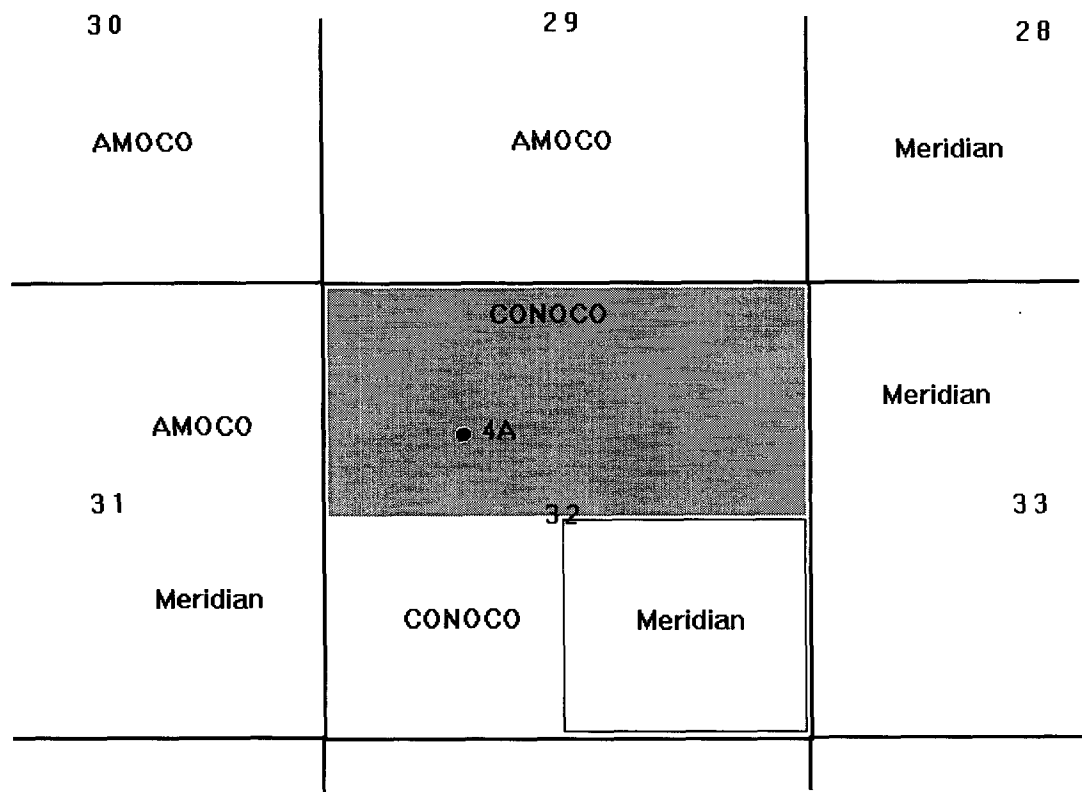
**FIXED COMMINGLE ALLOCATION FACTORS:**

	GAS	OIL
MESAVERDE:	88%	99%
PICTURED CLIF	12%	1%

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

**NOTE: ALL PRODUCTION DATA FROM DWIGHTS ENERGYDATA**

Township 31 North — Range 9 West



OFFSET OPERATORS

**STATE COM H #4A**