

DHC 1244 6/24/96

**RECEIVED**  
DISTRICT I  
P.O. Box 1990, Hobbs, NM 88241-1990  
DISTRICT II  
811 South First St., Artesia, NM 88210-2835  
DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410-1893

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-107-A  
New 3-12-96

**OIL CONSERVATION DIVISION**

2040 S. Pacheco  
Santa Fe, New Mexico 87505-6429

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 AXI Apache "J" Well No. 25 Unit Ltr. - Sec - Twp - Rge A-7-25N-5W County Rio Arriba

OGRID NO. 005073 Property Code 003132 API NO. 30-039-20445 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	Otero Chacra 82329		Blanco Mesaverde 72319
2. Top and Bottom of Pay Section (Perforations)	3728'-3748'		5019'-5178'
3. Type of production (Oil or Gas)	Gas		Gas
4. Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
5. Bottomhole Pressure Oil Zones - Artificial Lift: Gas & Oil - Flowing: All Gas Zones: Estimated Current Measured Current Estimated Or Measured Original	a. (Current) 255 psia	a.	a. 488 psia
	b. (Original) 769 psia	b.	b. 1463 psia
6. Oil Gravity (°API) or Gas BTU Content	1223 BTU		1246 BTU
7. Producing or Shut-In?	Producing		Shut-in
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, give date and oil/gas/water rates of recent test (within 60 days)	Date: Rates:	Date: Rates:	Date: 7/95 Rates: .0155 bbl/mcf 60 mcf/gpd, 0 bwpd
	Date: 1996 mid/yr Rates: .0002 bbl/mcf 30 mcf/gpd, 0 bwpd	Date: Rates:	Date: Rates:
8. Fixed Percentage Allocation Formula - % for each zone	Oil: 0 % Gas: 33 %	Oil: % Gas: %	Oil: 100 % Gas: 67 %

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 TITLE Sr. Conservation Coordinator DATE 5/31/96

TYPE OR PRINT NAME Jerry W. Hoover TELEPHONE NO. ( 915 ) 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>CONOCO INC.</b>			Lease <b>AXI APACHE J</b>		Well No. <b>25</b>
Unit Letter <b>A</b>	Section <b>7</b>	Township <b>25-N</b>	Range <b>5-W</b>	County <b>RIO ARriba</b>	
Actual Postage Location of Well: <b>660</b> feet from the <b>NORTH</b> line and <b>660</b> feet from the <b>EAST</b> line					
Ground Level Elev. <b>6704'</b>	Producing Formation <b>MESAVERDE</b>		Pool <b>BLANCO MESAVERDE</b>		Dedicated Acreage: <b>319.29</b> 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.

**CERTIFICATION**

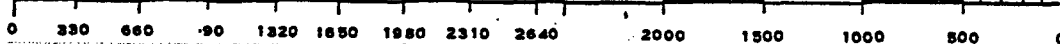
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name Wm. A. Kuttig  
 Position \_\_\_\_\_  
 Administrative Supervisor  
 Company **CONOCO INC.**  
 Date **6/28/83**

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.

**ACCEPTED FOR RECORD**

Date Surveyed \_\_\_\_\_  
 Registered Professional Engineer and/or Land Surveyor  
 BY [Signature]  
 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.

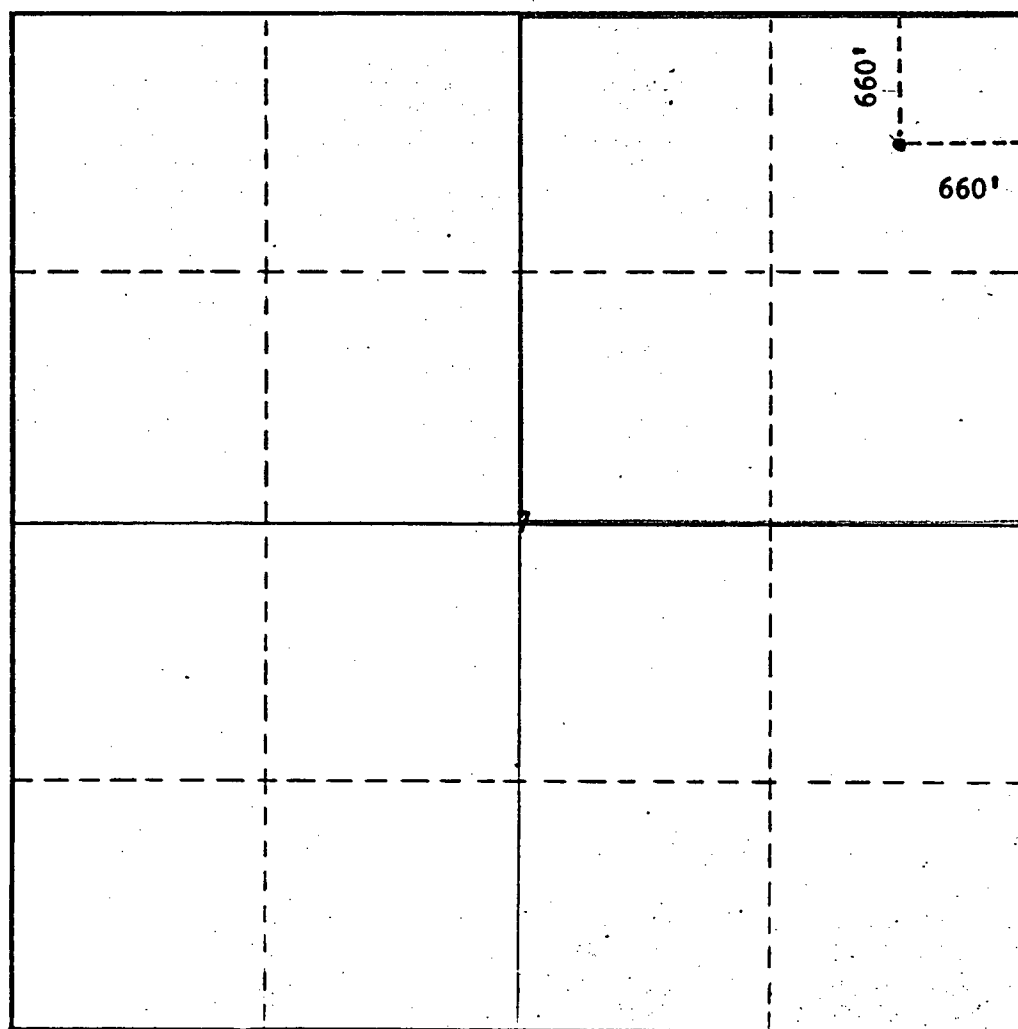
Operator <b>Continental Oil Company</b>			Lease <b>AXI Apache "J"</b>		Well No. <b>25</b>
Unit Letter <b>"A"</b>	Section <b>7</b>	Township <b>25N</b>	Range <b>5W</b>	County <b>Rio Arriba</b>	
Actual Footage Location of Well: <b>660</b> feet from the <b>north</b> line and <b>660</b> feet from the <b>east</b> line					
Ground Level Elev. <b>6678'</b>	Producing Formation <b>Chacra Mesaverde</b>		Pool <b>Otero Chacra Undesignated Mesaverde</b>		Dedicated Acreage: <b>160</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. A. Abben*  
 Position  
**Administrative Supervisor**  
 Company  
**Continental Oil Company**  
 Date  
**February 2, 1972**

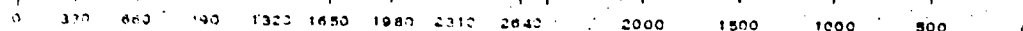
I hereby certify that the well location shown on this plat was plotted from notes of actual surveys made by \_\_\_\_\_ under my supervision, and that the \_\_\_\_\_ is true and correct to the best \_\_\_\_\_ knowledge and belief.

**November 24, 1971**

Date Surveyed  
/s/ James P. Leese  
 Registered Professional Engineer  
 and/or Land Surveyor

**1493**

Certificate No.



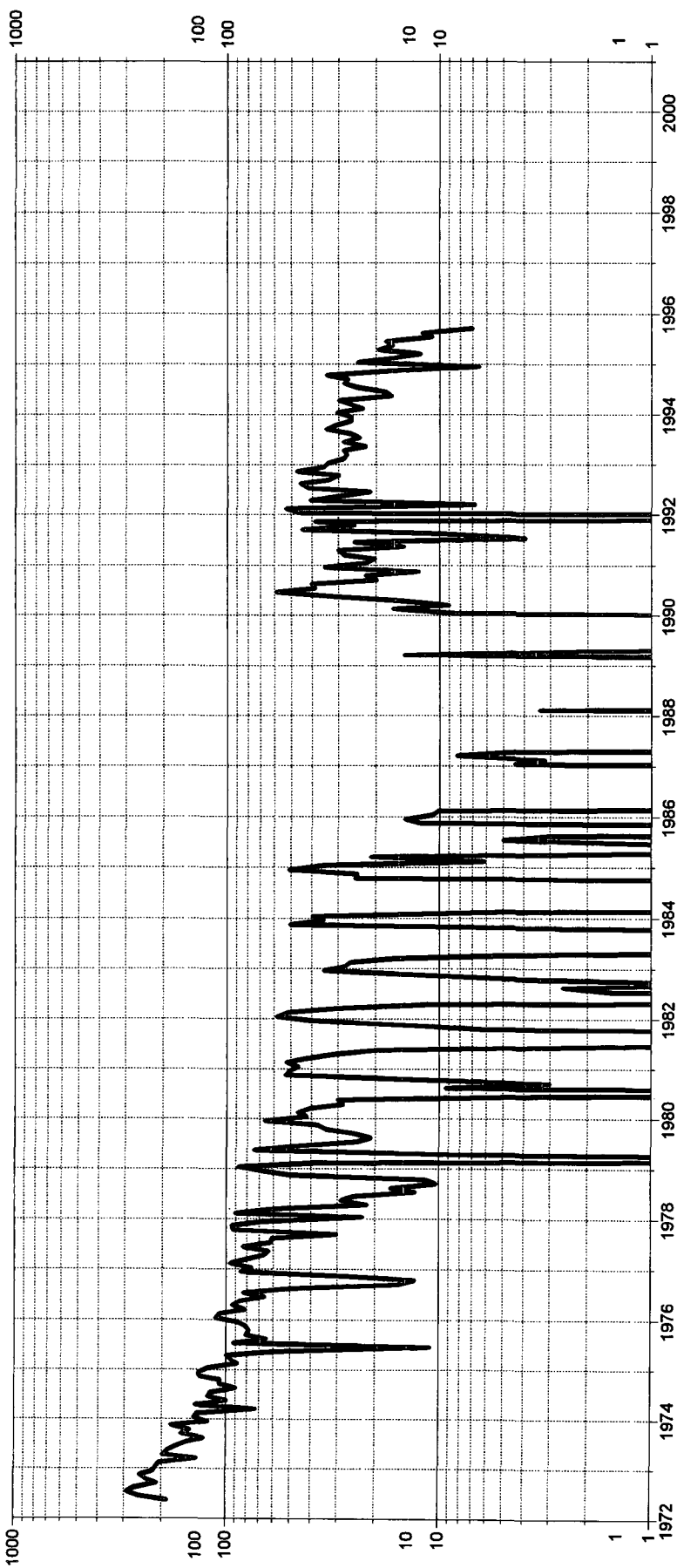
# Dwights

1000 Lease: AXI APACHE J 000025

Retrieval Code: 251,039,25N05W07A00C

1000

1000



County: RIO ARRIBA

Field: OTERO (CHACRA) CK

Reservoir: CHACRA

Operator: CONOCO INC

State: NM

Oil Cum: 55 bbl

Gas Cum: 359369 mcf

Location: 7A 25N 5W

F.P. Date: 05/72

Date: 04/22/96

Water (bbl/day)

Well Count

Gas (mcf/day)

Oil (bbl/day)

Dwight

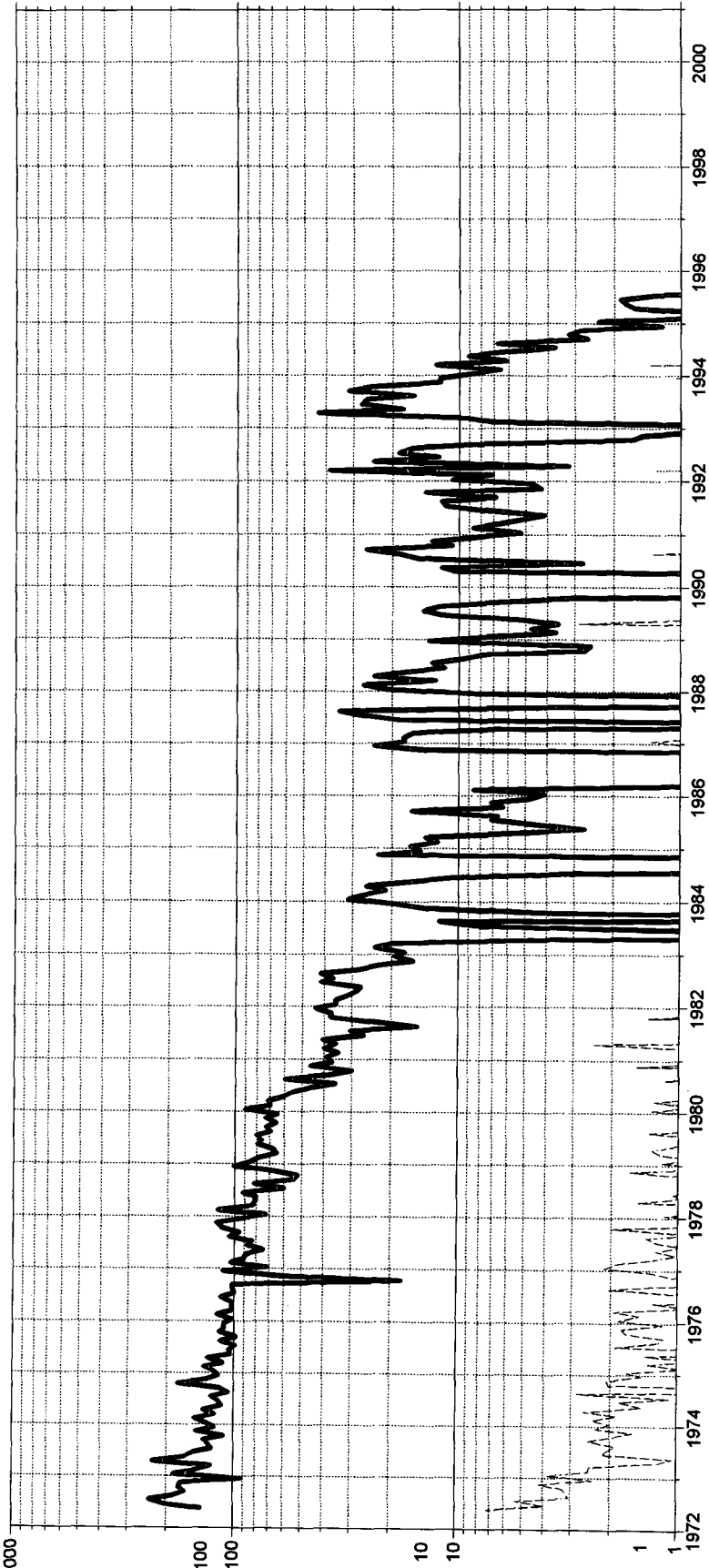
# Dwights

1000 Lease: AXI APACHE J 000025

Retrieval Code: 251,039,25N05W07A00M

1000

1000



County: RIO ARRIBA

Field: BLANCO (MESAVERDE) MV

Reservoir: MESAVERDE

Operator: CONOCO INC

State: NM

Oil Cum: 6154 bbl

Gas Cum: 395801 mcf

Location: 7A 25N 5W

F.P. Date: 05/72

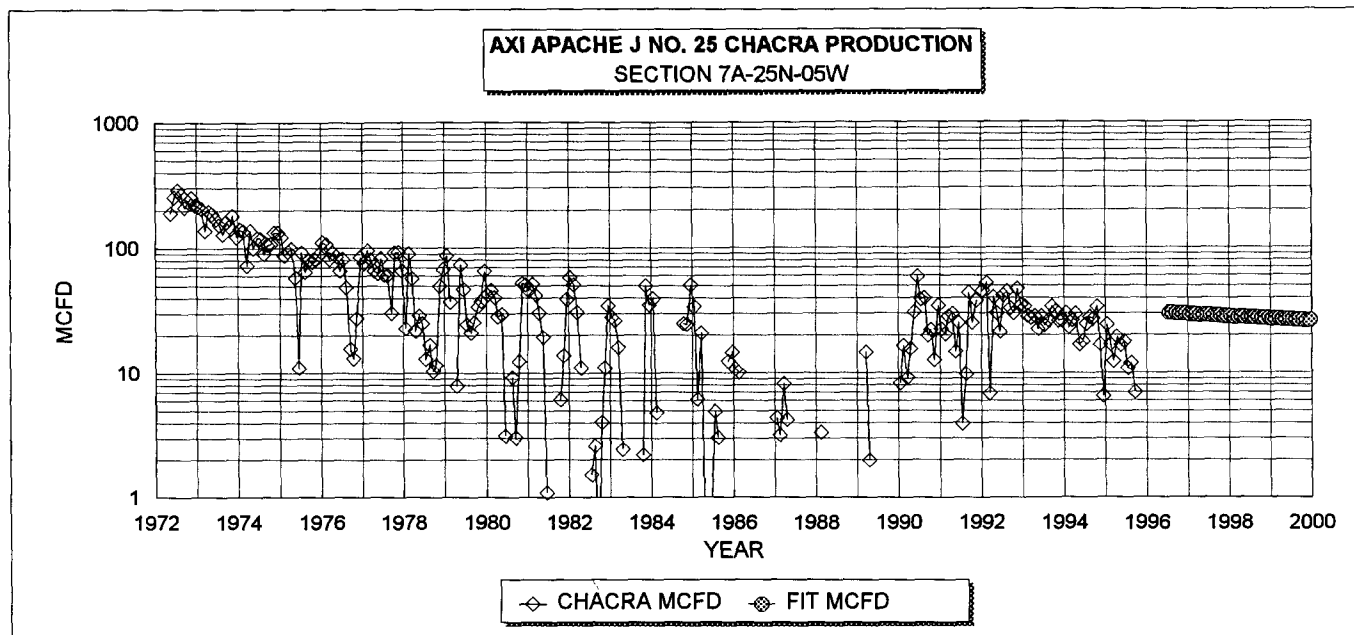
Date: 04/22/96

Water (bbl/day)

Well Count

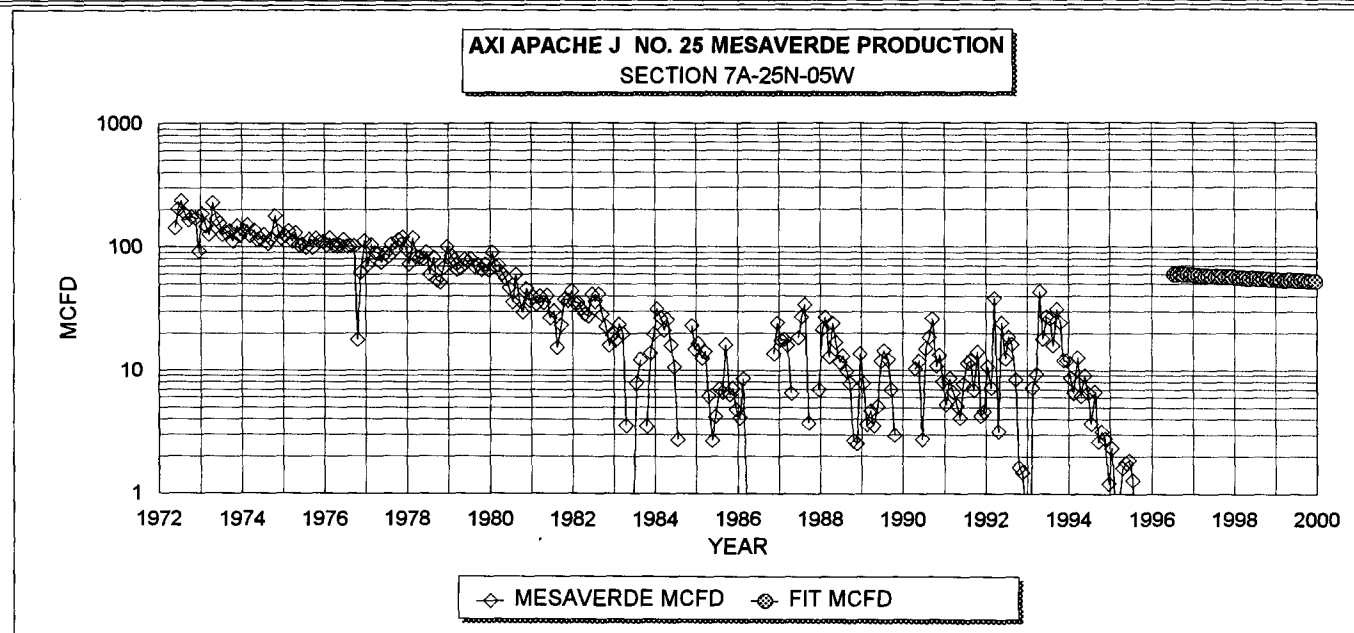
Gas (mcf/day)

Oil (bbl/day)



**CHACRA HISTORICAL DATA:**      **1ST PROD: 5/72**  
**OIL CUM:**                      **0.06 MBO**  
**GAS CUM:**                      **359.4 MMCF**  
**OIL YIELD:**                    **0.0002 BBL/MCF**

**CHACRA**                              **PROJECTED DATA**  
**7/1/96 Qi:**                      **30 MCFD; RISKED ANTICIPATED RATE**  
**DECLINE RATE:**                **4.0% (EXPONENTIAL)**



**MESAVERDE HISTORICAL DATA**      **1ST PROD: 5/72**  
**OIL CUM:**                      **6.2 MBO**  
**GAS CUM:**                      **395.8 MMCF**  
**OIL YIELD:**                    **0.0155 BBL/MCF**

**MESAVERDE PROJECTED DATA**  
**7/1/96 Qi:**                      **60 MCFD; RISKED ANTICIPATED RATE**  
**DECLINE RATE:**                **4.0% (EXPONENTIAL)**

**FIXED COMMINGLE ALLOCATION FACTORS:**

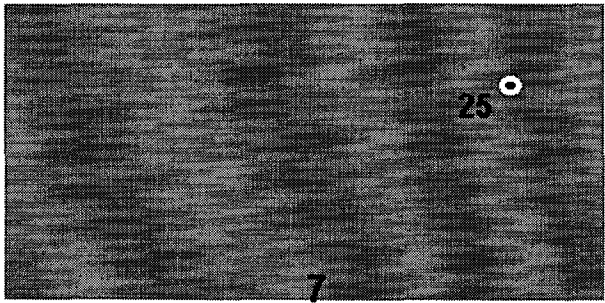
	GAS	OIL
MESAVERDE	67%	100.00%
CHACRA	33%	0%

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

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

# AXI APACHE J # 25

## OFFSET OPERATORS

1	6	5
Meridian	Meridian	Meridian
T-25N --- R-6W	T-25N --- R-5W	
Meridian		Snyder Oil
12	Meridian	8
		Meridian
13	18	17
T-25N --- R-6W	T-25N --- R-5W	