

## 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

Operator Conoco Inc. Address 10 Desta Dr, Ste 100W, Midland TX 79705Lease Scott Federal Well No. 6 Unit Ltr. - Sec - Twp - Rge K-17-26N-6W County Rio ArribaOGRID NO. 005073 Property Code 003244 API NO. 30-039-22753 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		Basin Dakota 71599
2. Top and Bottom of Pay Section (Perforations)	5227' - 5340'		7280' - 6540'
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) 674 psia b. (Original) 1255 psia	a.  b.	a. 874 psia b. 2895 psia
6. Oil Gravity (° API) or Gas BTU Content	1000 BTU		1000 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 Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data	Date: Rates:	Date: Rates:	Date: Rates:
* If Producing, give date and oil/gas/water rates of recent test (within 60 days)	Date: 9/96 avg. Rates: 85 MCFGPD 1.8 BOPD	Date: Rates:	Date: 9/96 avg. Rates: 57 MCFGPD .9 BOPD
8. Fixed Percentage Allocation Formula - % for each zone	Oil: 67 % Gas: 60 %	Oil: % Gas: %	Oil: 33 % Gas: 40 %

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 other? ☒ 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. 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 12/17/96TYPE OR PRINT NAME Jerry W. Hoover TELEPHONE NO. ( 915 ) 686-6548

NICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-162  
Supersedes C-128  
Effective 1-1-65

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

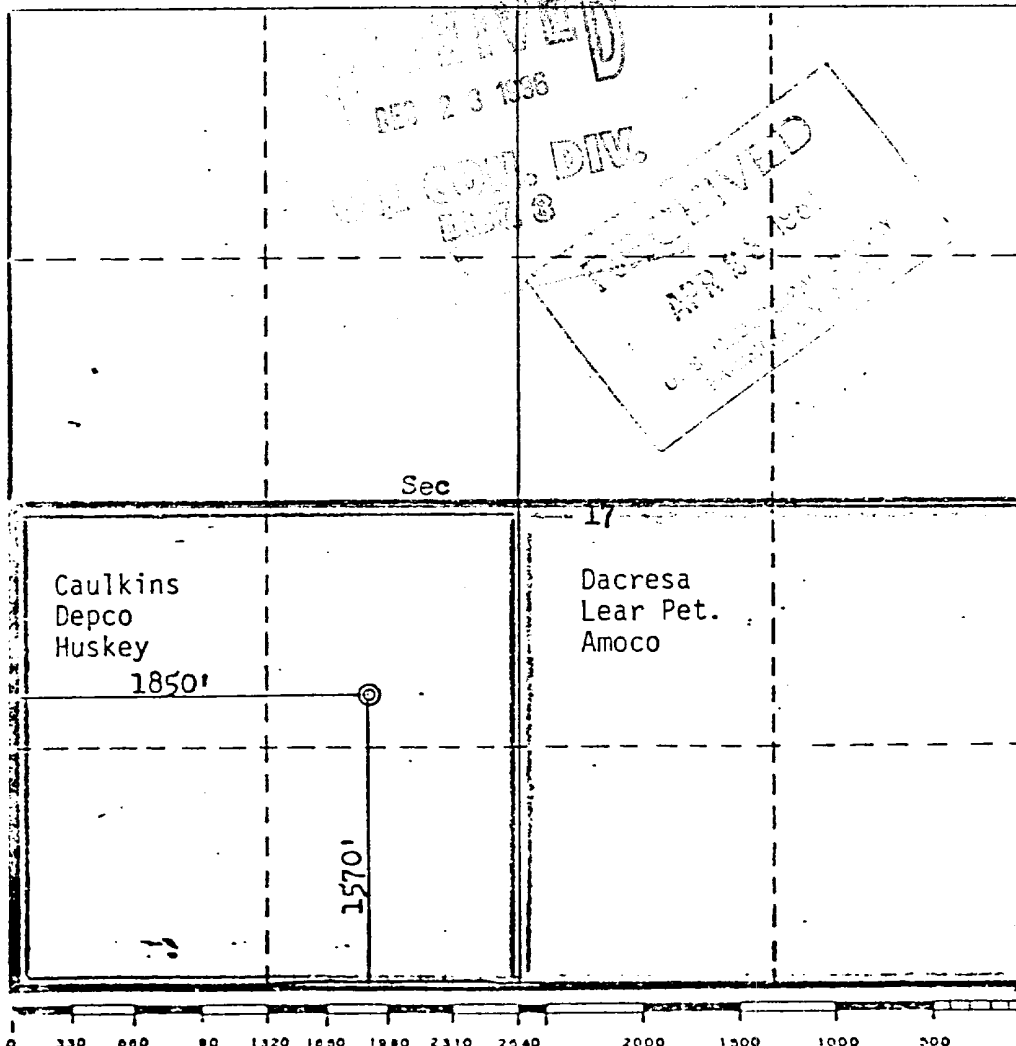
Operator <b>Mesa Petroleum Company</b>			Lease <b>Scott-Federal 079035A</b>		Well No. <b>6</b>
Unit Letter <b>K</b>	Section <b>17</b>	Township <b>26N</b>	Range <b>6W</b>	County <b>Rio Arriba</b>	
Actual Footage Location of Well:					
<b>1570</b> feet from the <b>South</b> line and		<b>1850</b> feet from the <b>West</b> line			
Ground Level Elev. <b>6599</b>	Producing Formation <b>Chacra, Mesa Verde, Dakota</b>	Pool <b>Blanco MV, Otero Chacra</b>	Dedicated Acreage <b>Chacra 160 MV 320, Dak 320 Acres</b>		

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 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.

*John Alexander*  
\_\_\_\_\_  
John Alexander

Position

Agent

Company

**Mesa Petroleum**

Date

**3-27-78**

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 27, 1978**

Registered

and/or Land Surveyor

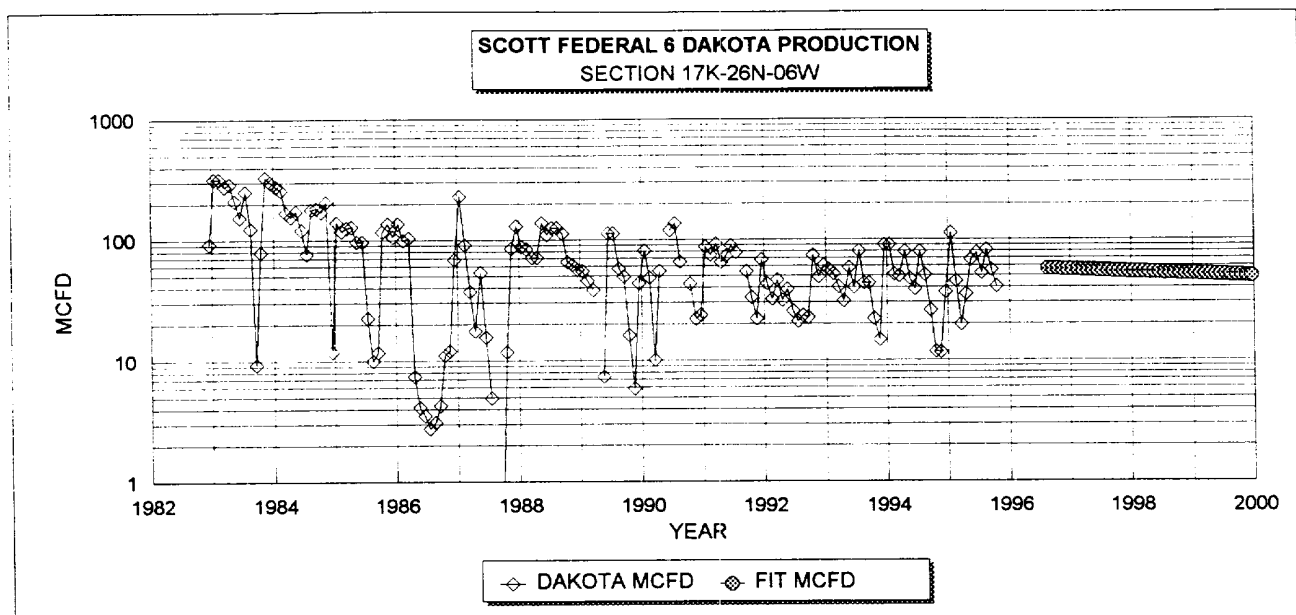
*John E. Kerr, Jr.*

**John E. Kerr, Jr.**

Certified

**3950**

**3950**



**DAKOTA HISTORICAL DATA:**    1ST PROD: 11/82

OIL CUM:                    6.03 MBO

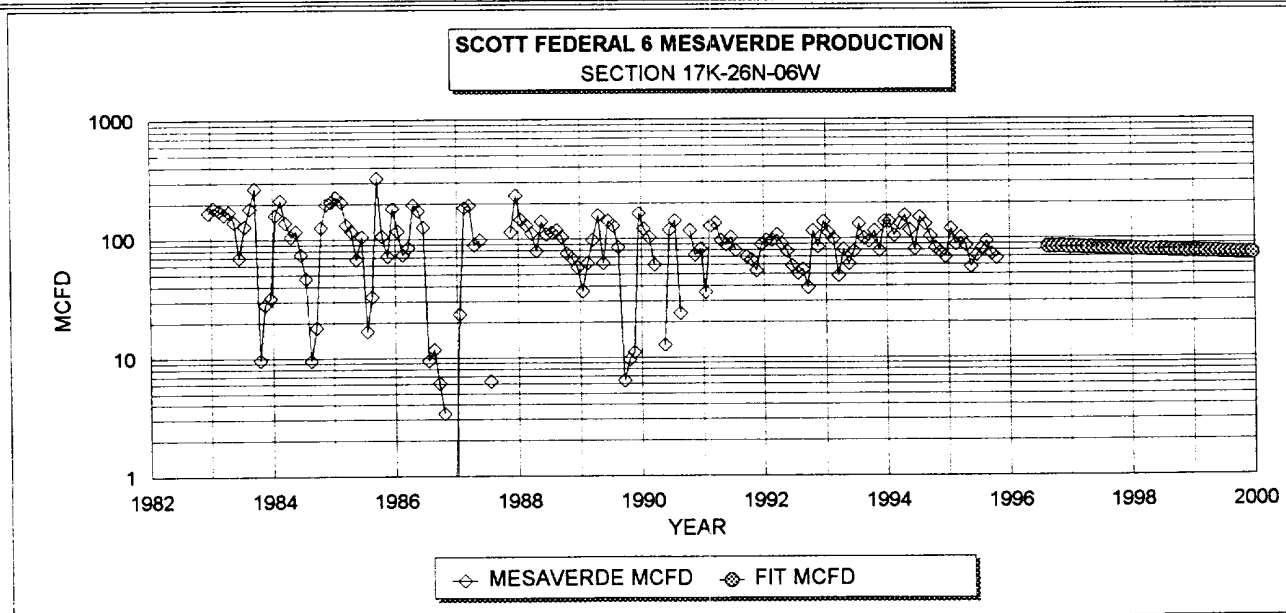
GAS CUM:                  369.7 MMCF

OIL YIELD:                0.0163 BBL/MCF

**DAKOTA PROJECTED DATA**

9/1/96 Qi:                57 MCFD

DECLINE RATE:        4.2% (EXPONENTIAL)



**MESAVERDE HISTORICAL DATA**    1ST PROD: 11/82

OIL CUM:                    9.5 MBO

GAS CUM:                  449.4 MMCF

OIL YIELD:                0.0212 BBL/MCF

**MESAVERDE PROJECTED DATA**

9/1/96 Qi:                85 MCFD

DECLINE RATE:        4.2% (EXPONENTIAL)

**FIXED COMMINGLE ALLOCATION FACTORS:**

	GAS	OIL
MESAVERDE:	60%	66%
DAKOTA	40%	34%

GAS ALLOCATION BASED ON PROJECTED 1996 RATES

OIL ALLOCATION BASED ON WEIGHTED CUM OIL YIELDS

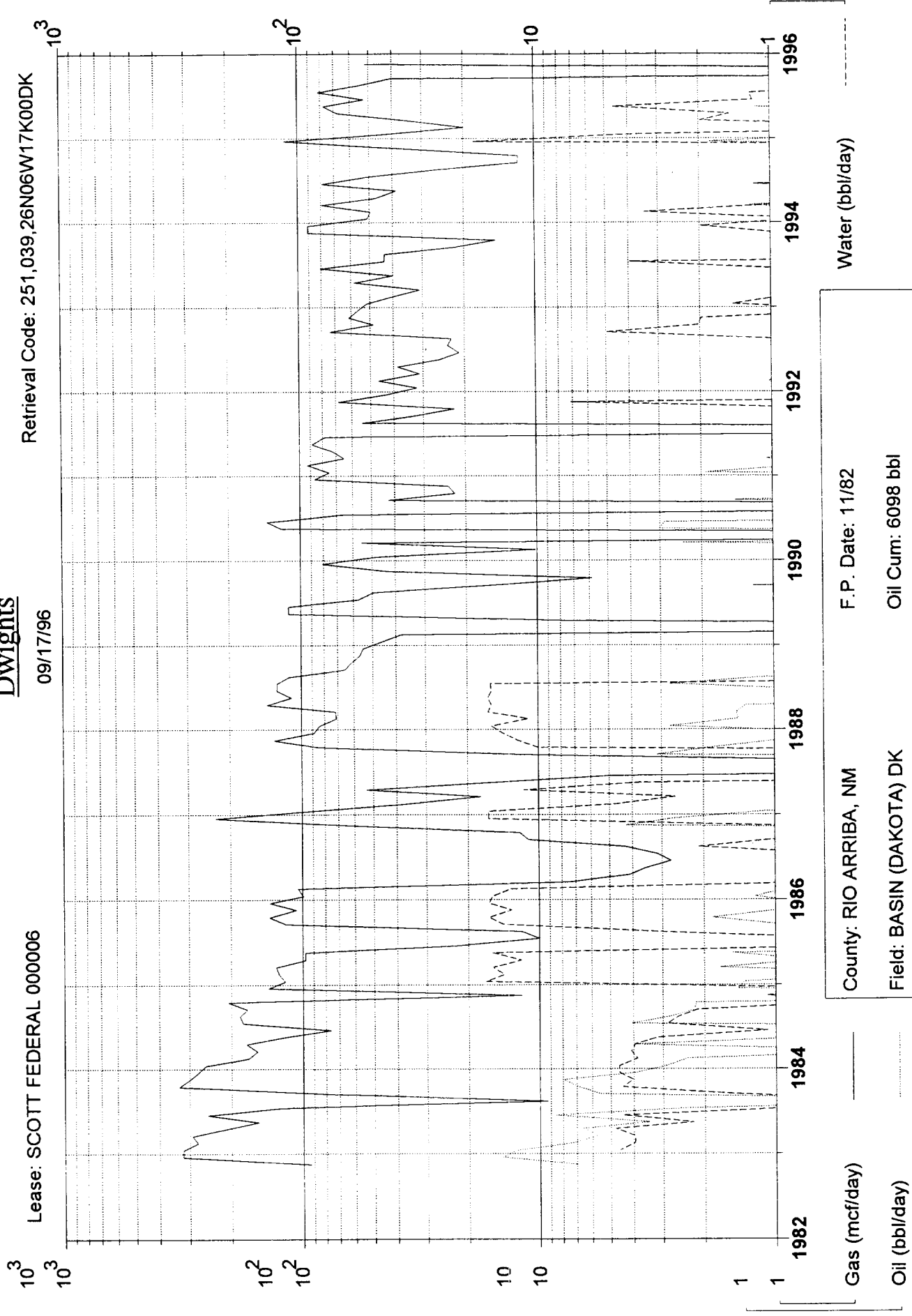
NOTE: ALL PRODUCTION DATA FROM DWIGHTS ENERGYDATA

# Dwights

Lease: SCOTT FEDERAL 000006

Retrieval Code: 251,039,26N06W17K00DK

09/17/96



Gas (mcf/day)

Oil (bbl/day)

Water (bbl/day)

County: RIO ARRIBA, NM

Field: BASIN (DAKOTA) DK

Reservoir: DAKOTA

Operator: CONOCO INC

F.P. Date: 11/82

Oil Cum: 6098 bbl

Gas Cum: 376.9 mmcf

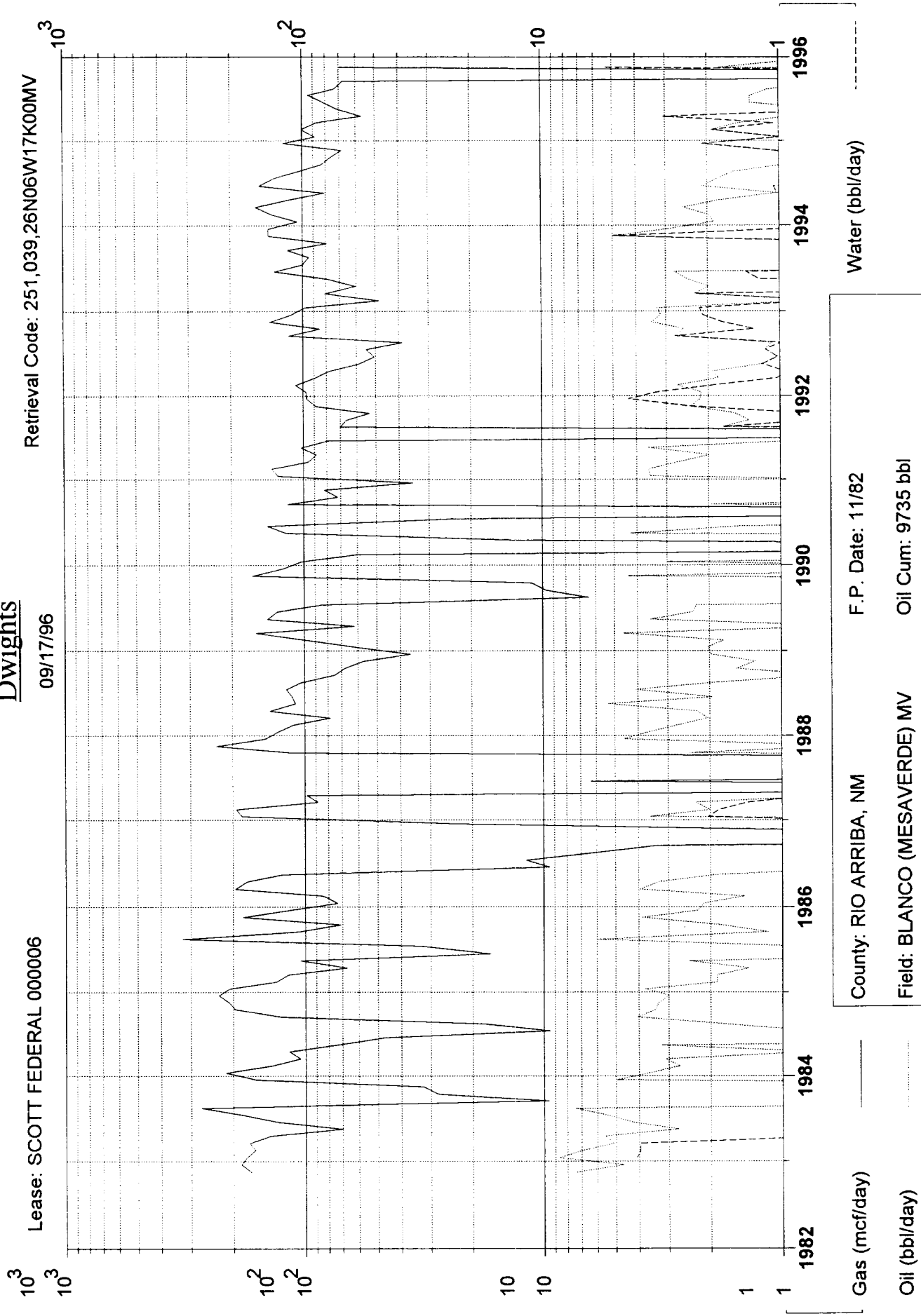
Location: 17K 26N 6W

# Dwights

Lease: SCOTT FEDERAL 000006

Retrieval Code: 251,039,26N06W17K00MV

09/17/96



Water (bbl/day)

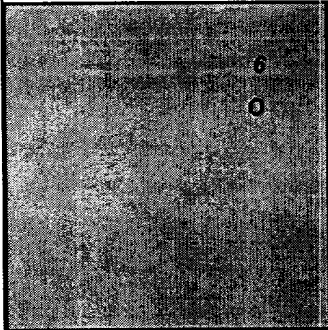
Gas (mcf/day)

Oil (bbl/day)

County: RIO ARRIBA, NM	F.P. Date: 11/82
Field: BLANCO (MESAVARDE) MV	Oil Cum: 9735 bbl
Reservoir: MESAVARDE	Gas Cum: 464.0 mmcf
Operator: CONOCO INC	Location: 17K 26N 6W

**SCOTT FEDERAL 6**

**OFFSET OPERATORS**

<b>7</b> CAULKINS OIL CO.	<b>8</b> CAULKINS OIL CO.	<b>9</b> CAULKINS OIL CO.
<b>18</b> CAULKINS OIL CO.	<b>17</b> CONOCO, INC. CAULKINS OIL CO. 	<b>16</b> CAULKINS OIL CO.
<b>19</b> CONOCO, INC. AMOCO PROD.	<b>20</b> MERIDIAN OIL INC. CAULKINS OIL CO. EL PASO NATURAL GAS	<b>21</b> CONOCO, INC. CAULKINS OIL CO.

**Township 26N --- Range 6W**