

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 1653

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 Bruington Well No. 15E Unit Ltr. - Sec - Twp - Rge F-15-30N-11W County San JuanOGRID NO. 005073 Property Code 003142 API NO. 30-045-24140 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)	4516' - 4606'		6664' - 6778'
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: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated Or Measured Original	a. (Current) 320 psi b. (Original) 1166 psi	a. b.	a. 791 psi b. 2594 psi
6. Oil Gravity ($^{\circ}$ API) or Gas BTU Content	1193 BTU		1143 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: 1996 mid/yr Rates: .0015 bbl/mcf 11 mcf/gpd, 0 bwpd	Date: Rates:	Date: 1996 mid/yr Rates: .0019 bbl/mcf 63 mcf/gpd, 0 bwpd
8. Fixed Percentage Allocation Formula - % for each zone	Oil: 57 % Gas: 64 %	Oil: % Gas: %	Oil: 43 % Gas: 36 %

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 7/24/96TYPE OR PRINT NAME Jerry W. Hoover TELEPHONE NO. (915) 686-6549

MESA PETROLEUM CO			BRUINGTON FEDERAL			15E		
Unit Letter F	Section 15	Township 30N	Range 11W	County San Juan				
Actual Footage Location of Well:								
1650		feet from the North		line and 1740		feet from the West		line
Ground Level Elev. 5812		Producing Formation (Mesaverde)			Pool		Dedicated Acreage: Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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.

The diagram shows a 36x36 section grid. Section 15 is labeled in the center. A well location is marked with a circle and crosshair at the intersection of a dashed line 1650' from the North line and a dashed line 1740' from the West line. The North line is at the top, and the West line is on the left.

CERTIFICATION

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

Name _____

Position _____

Company _____

Date _____

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.

Re-issued 7-13-82

Date Surveyed **November 13, 1978**

Registered Professional Engineer and/or Land Surveyor

Fred B. Kerr Jr.

Fred B. Kerr Jr.

Certificate No. **3950**

0 330 660 990 1320 1650 1980 2310 2640 2970 3300

All distances must be from the corner boundaries of the Section

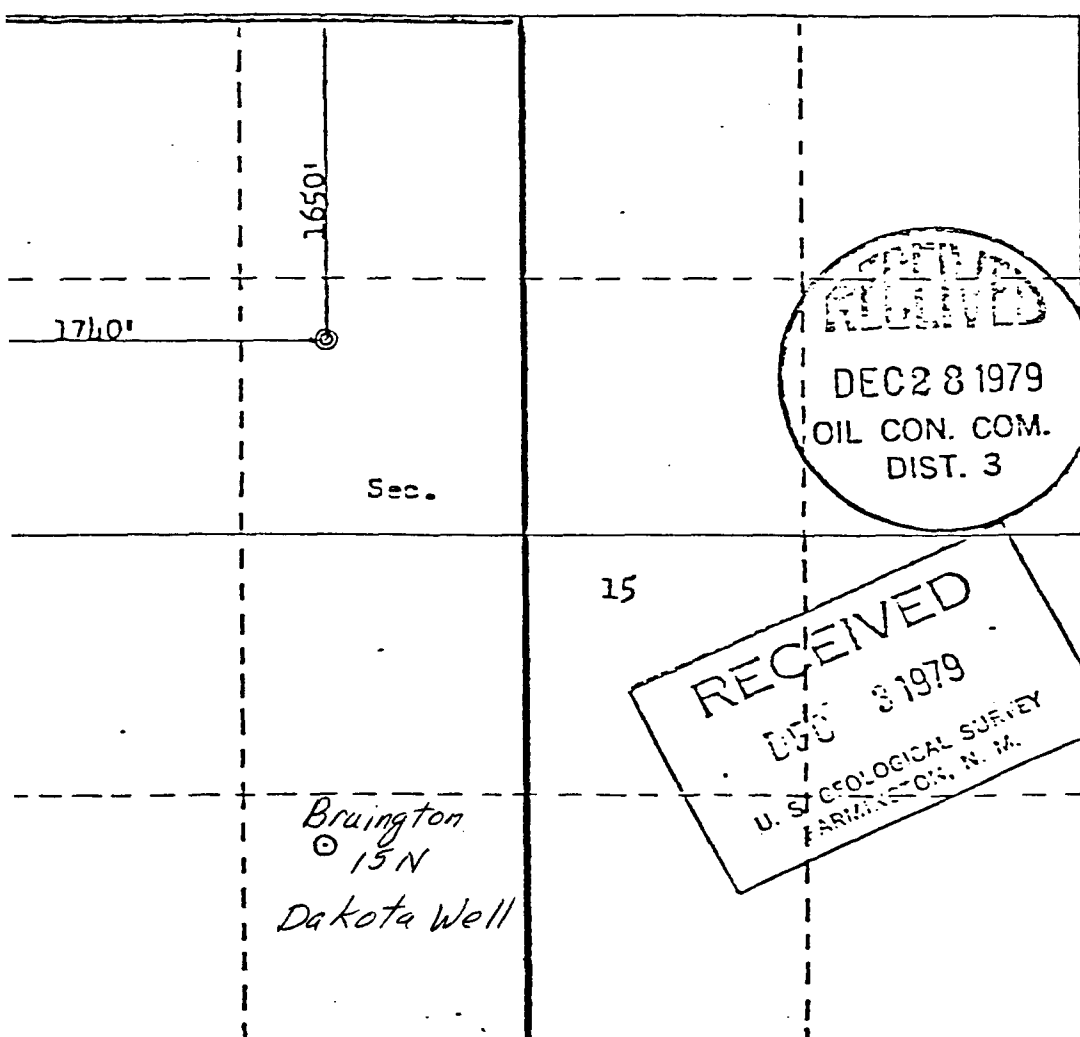
Lessee MESA PETROLEUM COMPANY			Lease BRUINGTON		Well No. 15-E
Section 15	Township 30N	Range 11W	County San Juan		

Well Location of Well:
 650 feet from the North line and 1740 feet from the West line
 812 feet Level Elev. Producing Formation: **Dakota** Pool: **Basin Dakota** Dedicated Acreage: **322.32 Acres**

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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 COMPANY

Date

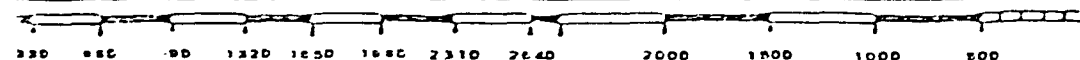
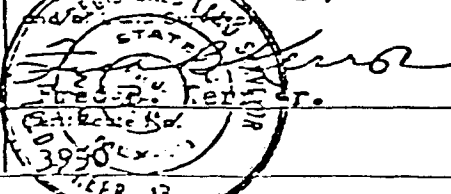
November 28, 1979

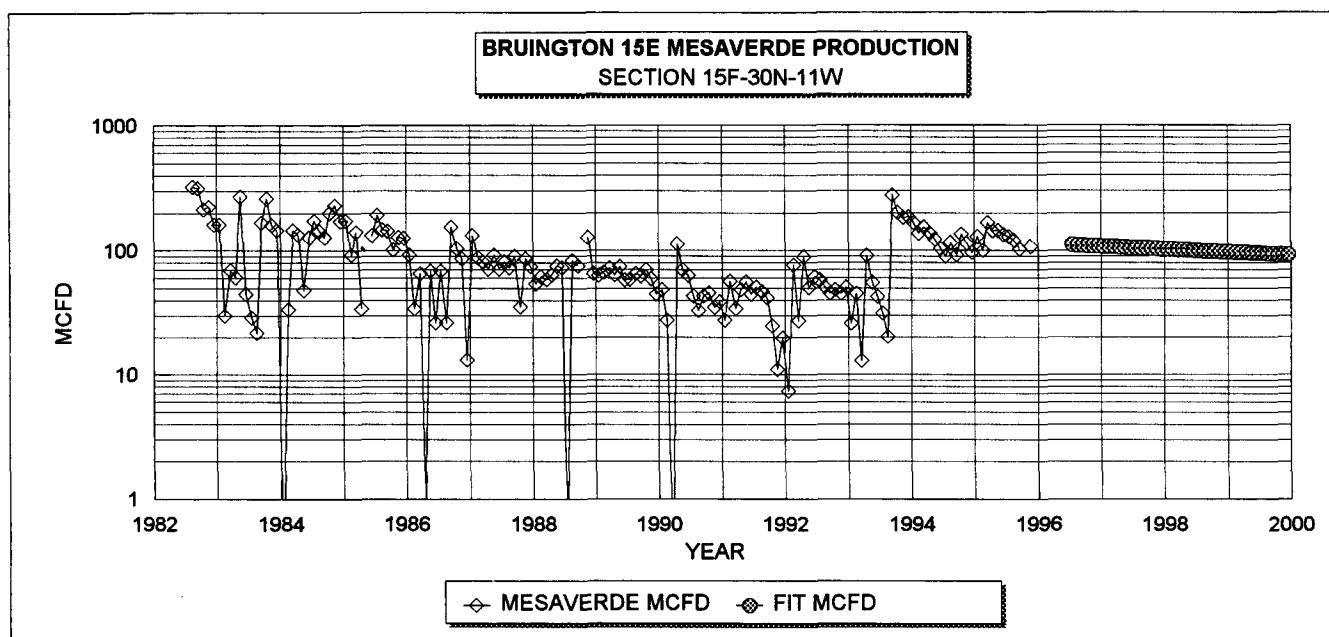
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

November 13, 1979

Professional Engineer



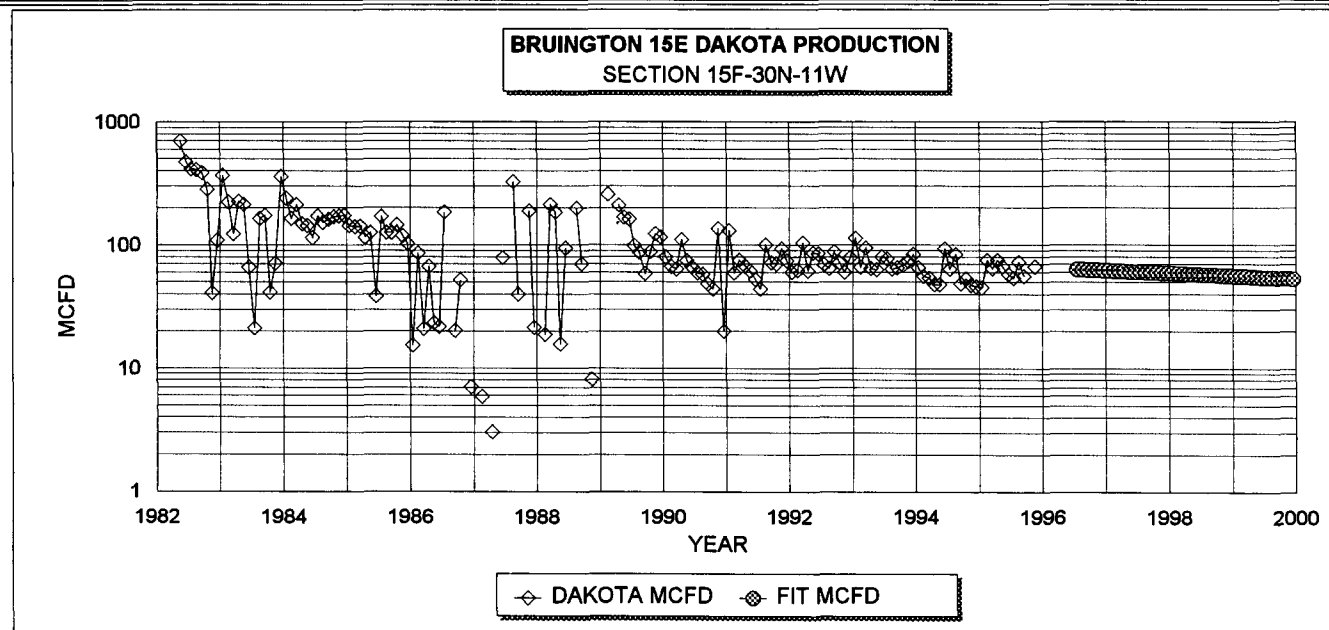


MESAVERDE HISTORICAL DATA: 1ST PROD: 8/82

OIL CUM: 0.64 MBO
GAS CUM: 435.9 MMCF
OIL YIELD: 0.0015 BBL/MCF

MESAVERDE PROJECTED DATA

7/1/96 Qi: 111 MCFD
DECLINE RATE: 5.0% (EXPONENTIAL)



DAKOTA HISTORICAL DATA 1ST PROD: 5/82

OIL CUM: 1.0 MBO
GAS CUM: 503.0 MMCF
OIL YIELD: 0.0019 BBL/MCF

DAKOTA PROJECTED DATA

7/1/96 Qi: 63 MCFD
DECLINE RATE: 5.0% (EXPONENTIAL)

FIXED COMMINGLE ALLOCATION FACTORS:

	GAS	OIL
MESAVERDE:	64%	57%
DAKOTA	36%	43%

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

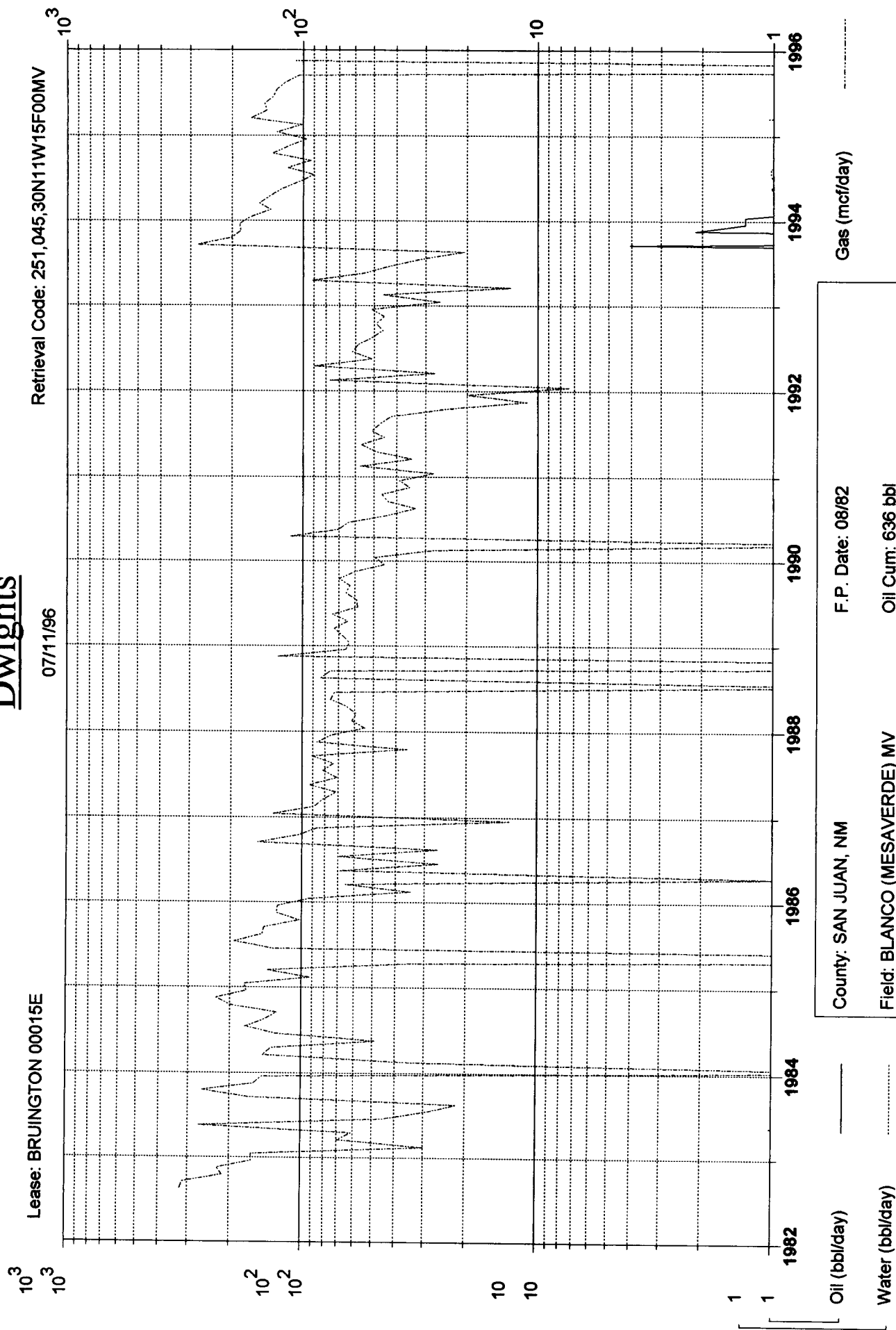
NOTE: ALL PRODUCTION DATA FROM DWIGHTS ENERGYDATA

Dwights

Lease: BRUINGTON 00015E

07/11/96

Retrieval Code: 251,045,30N11W15F00MV



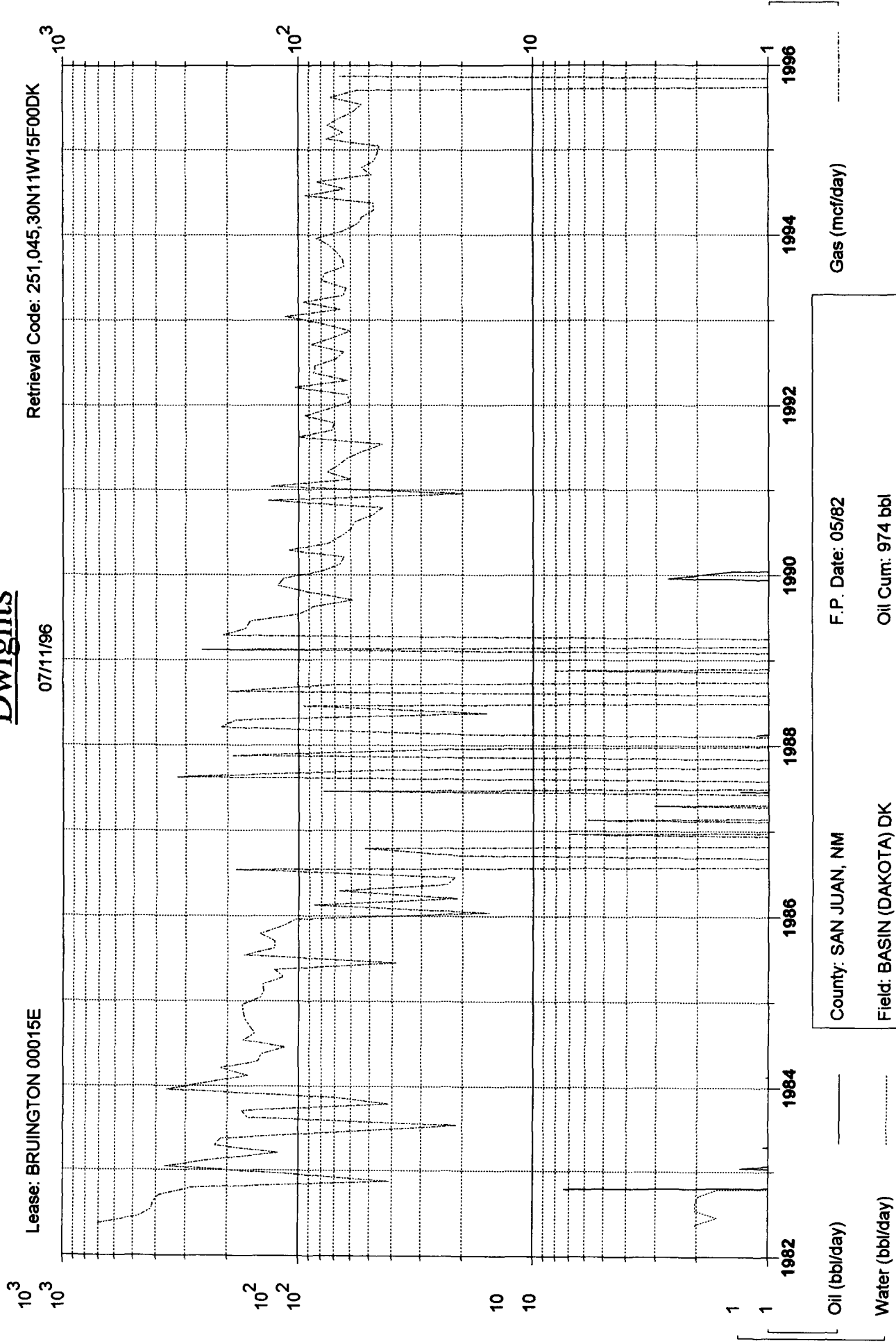
County: SAN JUAN, NM	F.P. Date: 08/82
Field: BLANCO (MESAVERDE) MV	Oil Cum: 636 bbl
Reservoir: MESAVERDE	Gas Cum: 435.9 mmcf
Operator: CONOCO INC	Location: 15F 30N 11W

Dwights

Lease: BRUINGTON 00015E

07/11/96

Retrieval Code: 251,045,30N11W15F00DK



Oil (bbl/day)

Water (bbl/day)

Gas (mcf/day)

F.P. Date: 05/82

Oil Cum: 974 bbl

Gas Cum: 503.0 mmcf

Location: 15F 30N 11W

County: SAN JUAN, NM

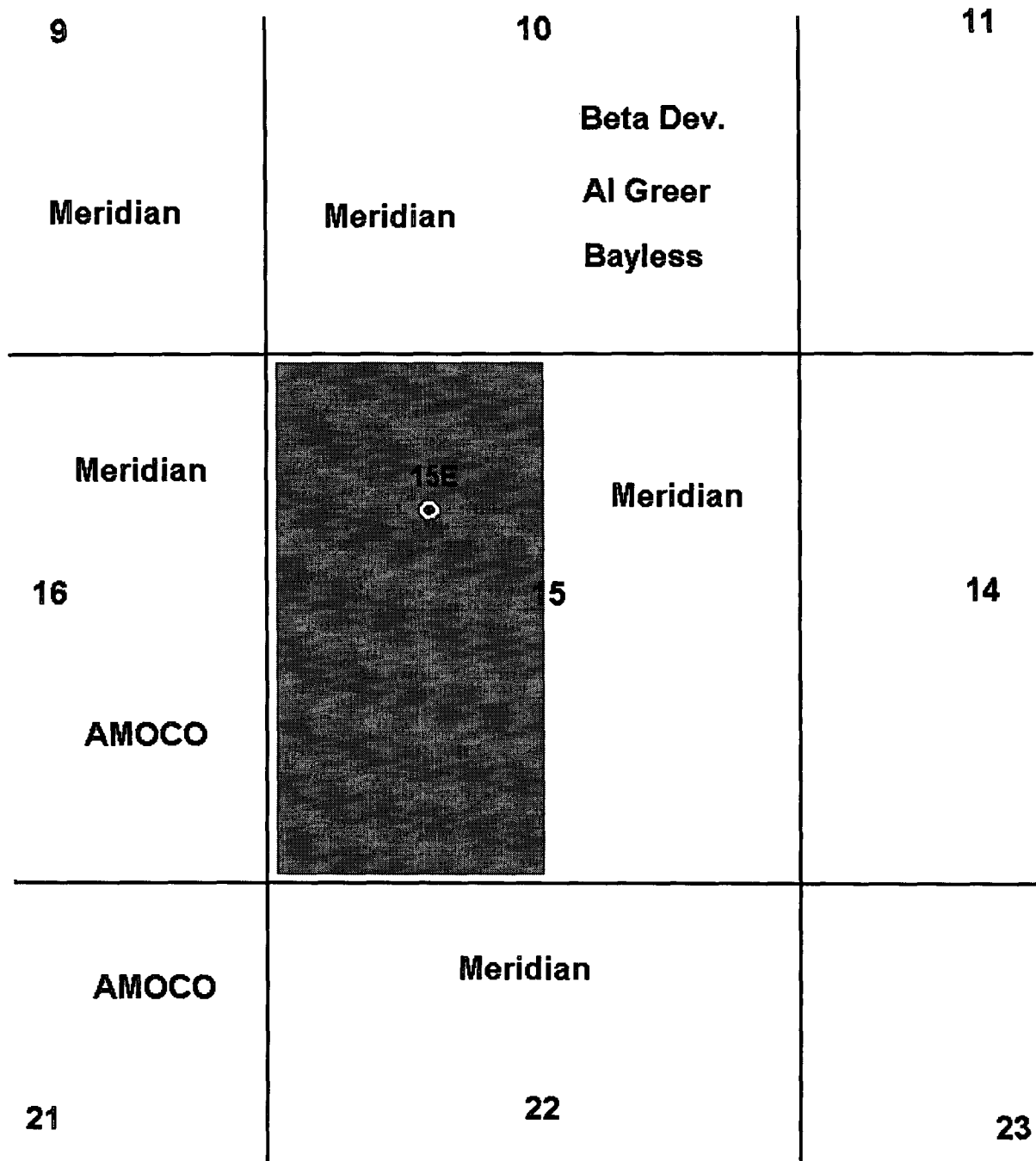
Field: BASIN (DAKOTA) DK

Reservoir: DAKOTA

Operator: CONOCO INC

BRUINGTON FED. NO. 15E

OFFSET OPERATORS



Township 30N -- Range 11W