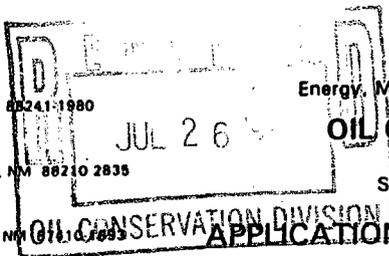


DHC 13/2 8/15/96

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 87412-1033

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 Bruington Well No. 15E Unit Ltr. - Sec - Twp - Rge F-15-30N-11W County San Juan

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 005073 Property Code 003142 API NO. 30-045-24140 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	a.	a. 791 psi
	b. (Original) 1166 psi	b.	b. 2594 psi
6. Oil Gravity (°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 * If Producing, give date and oil/gas/water rates of recent test (within 60 days)	Date: Rates:	Date: Rates:	Date: Rates:
	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 7/24/96
TYPE OR PRINT NAME Jerry W. Hoover TELEPHONE NO. (915) 686-6549

MESA PETROLEUM CO

BRUINGTON FEDERAL

15E

Unit Letter

Section

Township

Range

County

F

15

30N

11W

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:

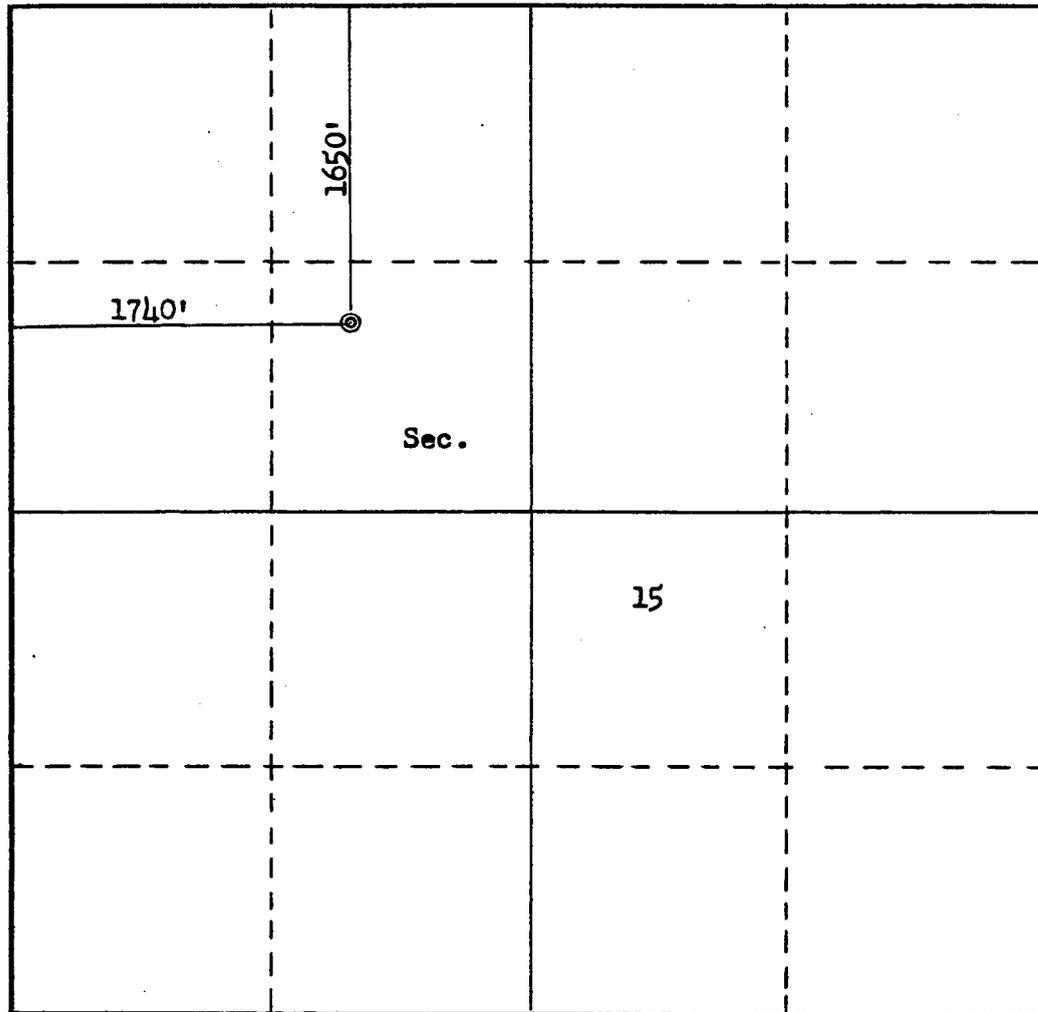
Acres

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

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

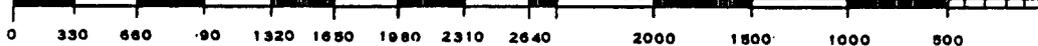
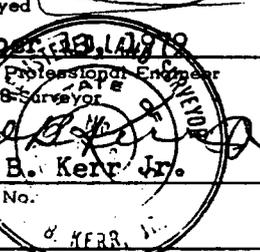
November 13, 1979

Registered Professional Engineer and/or Land Surveyor

Fred B. Kerr Jr.
Fred B. Kerr Jr.

Certificate No.

3950



All distances must be from the corner boundaries of the Section

Owner: MESA PETROLEUM COMPANY			Lease: BRUNINGTON		Well No. 15-E
Section 15	Township 30N	Range 11W	County San Juan		
Actual Footage Location of Well:					
650	feet from the North	line and	1740	feet from the West	line
Surface Level Elev. 812	Producing Formation Dakota	Pool Basin Dakota	Dedicated Acreage: 322.32 Acres		

Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

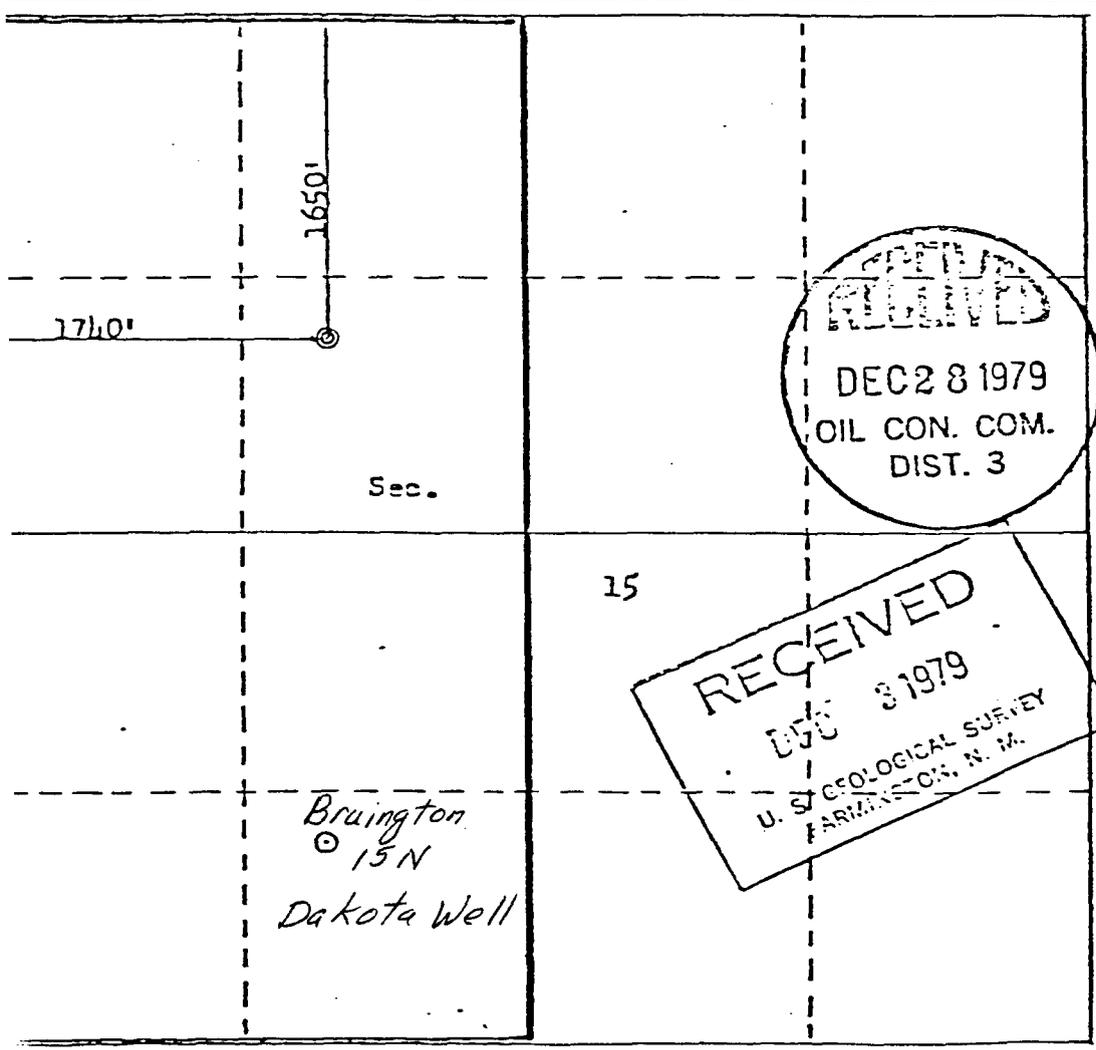
If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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 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
 Name
JOHN ALEXANDER

Position
AGENT

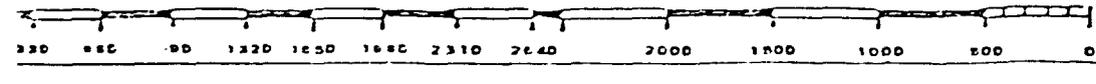
Company
MESA PETROLEUM COMPANY

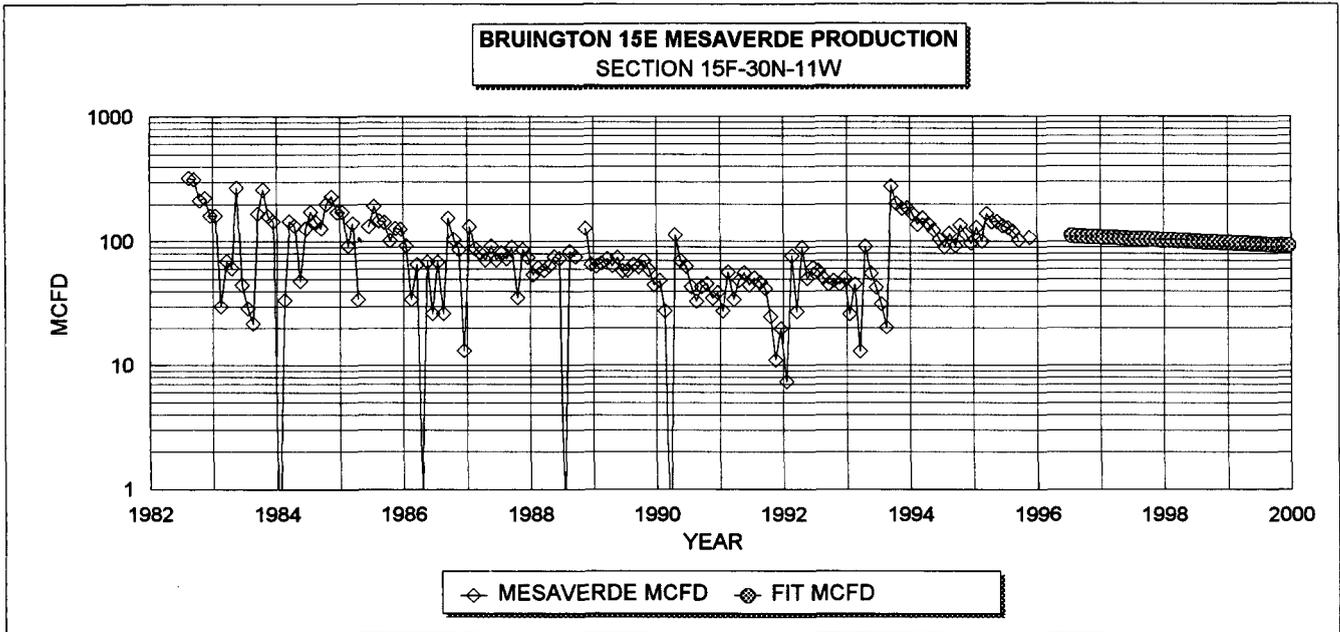
Date
November 28, 1979

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.

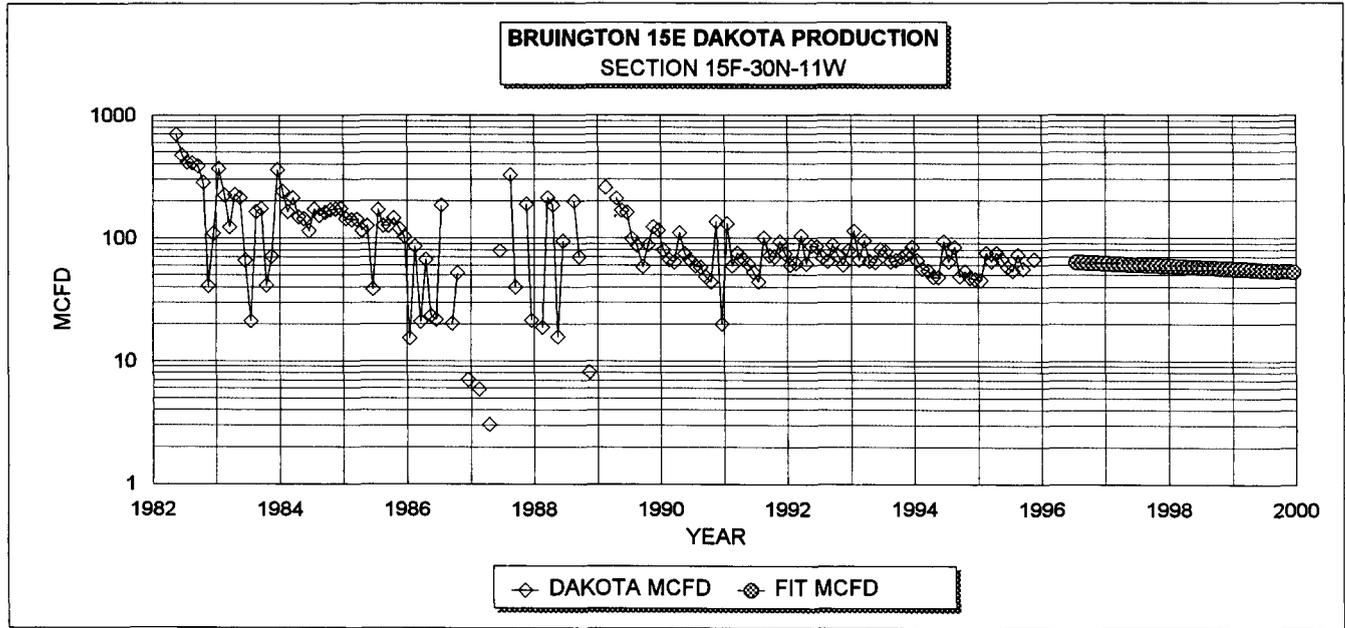
Date Surveyed
November 13, 1979

Professional Engineer
[Signature]
 State of New Mexico
 No. **3950**
 Expires **DEC 12**





MESAVERDE HISTORICAL DATA: 1ST PROD: 8/82		MESAVERDE PROJECTED DATA	
OIL CUM:	0.64 MBO	7/1/96 Qi:	111 MCFD
GAS CUM:	435.9 MMCF	DECLINE RATE:	5.0% (EXPONENTIAL)
OIL YIELD:	0.0015 BBL/MCF		



DAKOTA HISTORICAL DATA 1ST PROD: 5/82		DAKOTA PROJECTED DATA	
OIL CUM:	1.0 MBO	7/1/96 Qi:	63 MCFD
GAS CUM:	503.0 MMCF	DECLINE RATE:	5.0% (EXPONENTIAL)
OIL YIELD:	0.0019 BBL/MCF		

FIXED COMMINGLE ALLOCATION FACTORS:		
	GAS	OIL
MESAVERDE:	64%	57%
DAKOTA	36%	43%

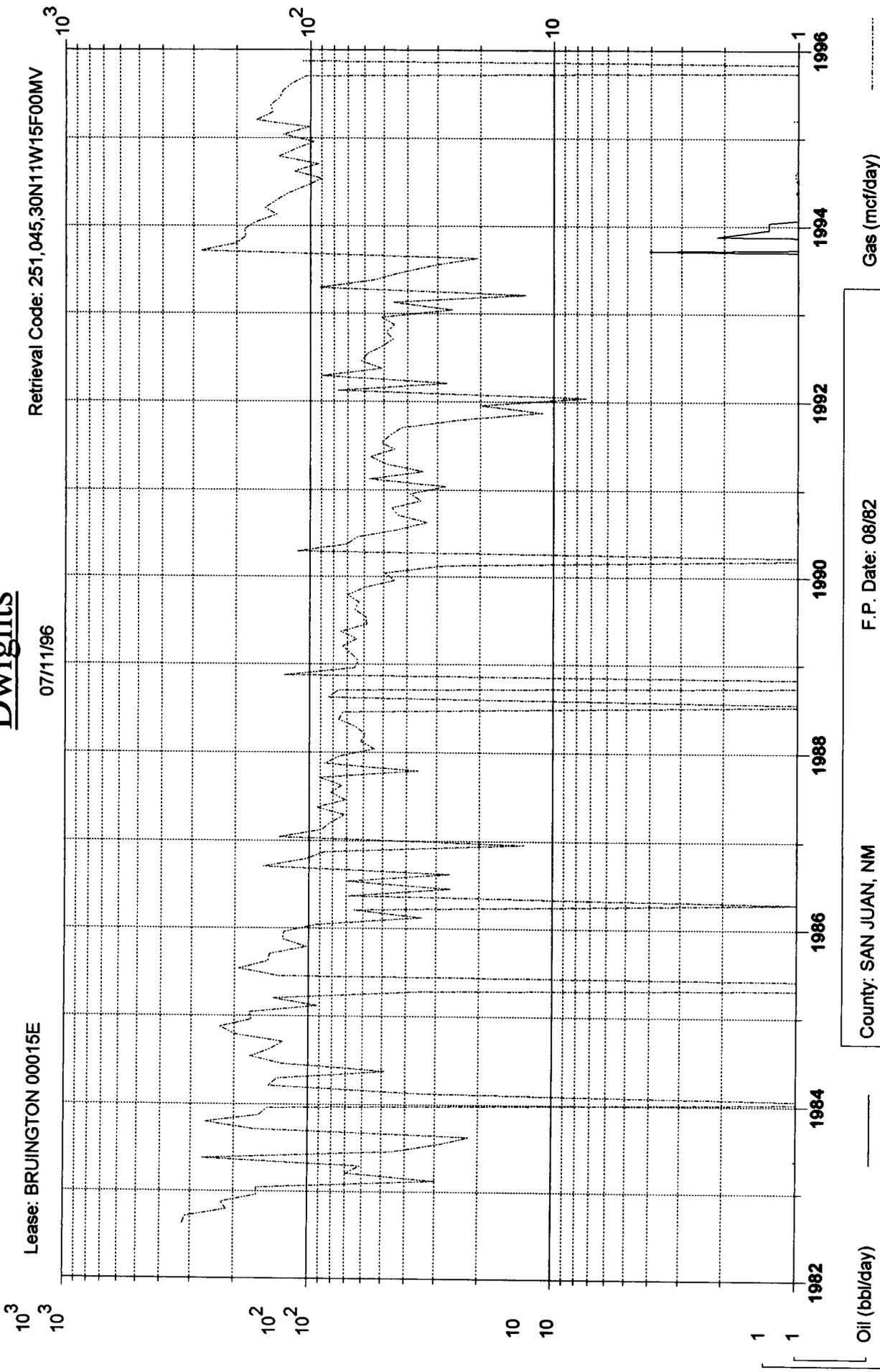
GAS ALLOCATION BASED ON PROJECTED 1996 RATES
 OIL ALLOCATION BASED ON WEIGHTED CUM OIL YIELDS
 NOTE: ALL PRODUCTION DATA FROM DWIGHTS ENERGYDATA

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

Oil (bbl/day) ———

Water (bbl/day) ·····

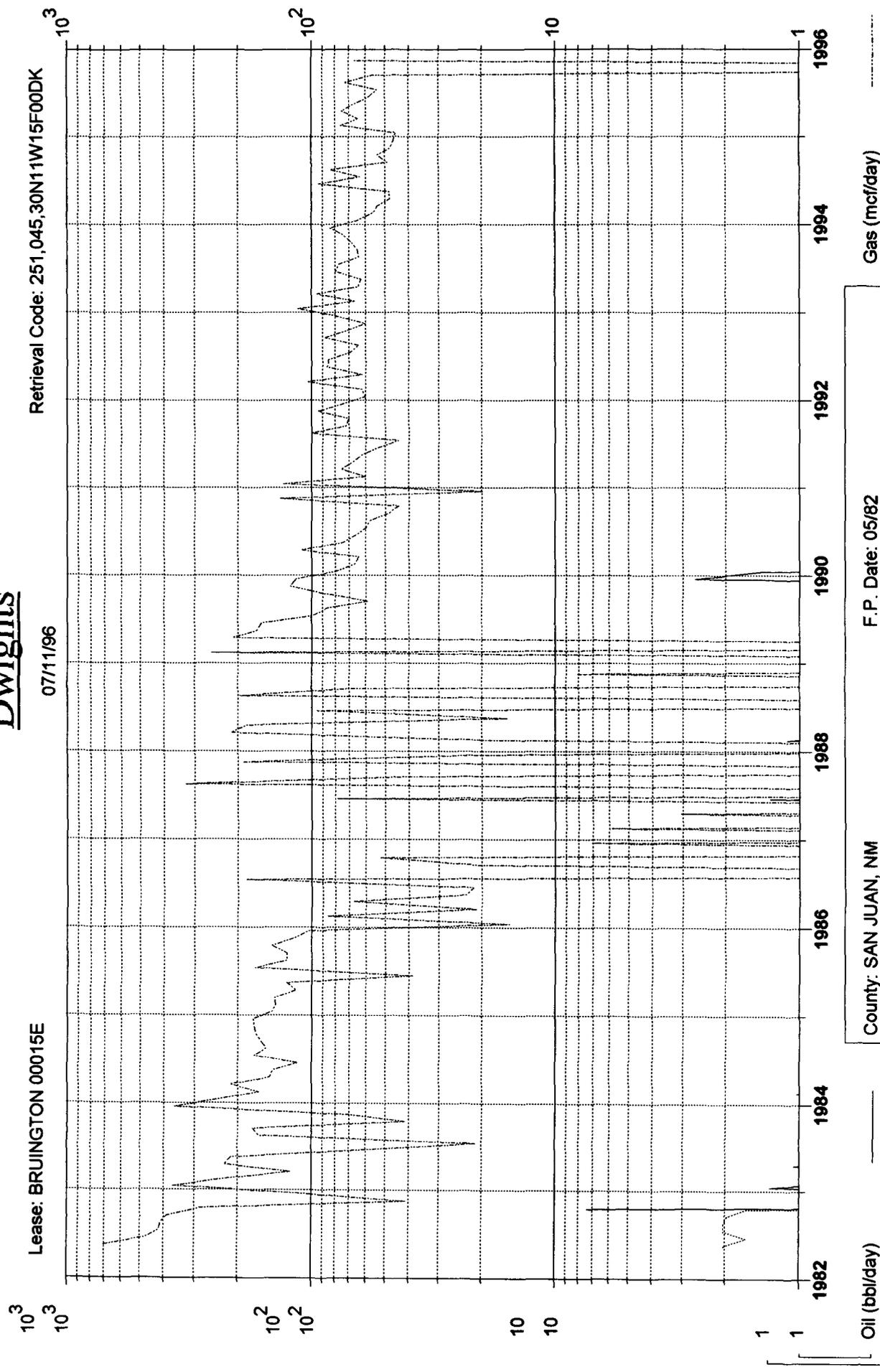
Gas (mcf/day)

Dwights

Lease: BRUINGTON 00015E

07/11/96

Retrieval Code: 251,045,30N11W15F00DK



County: SAN JUAN, NM	F.P. Date: 05/82
Field: BASIN (DAKOTA) DK	Oil Cum: 974 bbl
Reservoir: DAKOTA	Gas Cum: 503.0 mmcf
Operator: CONOCO INC	Location: 15F 30N 11W

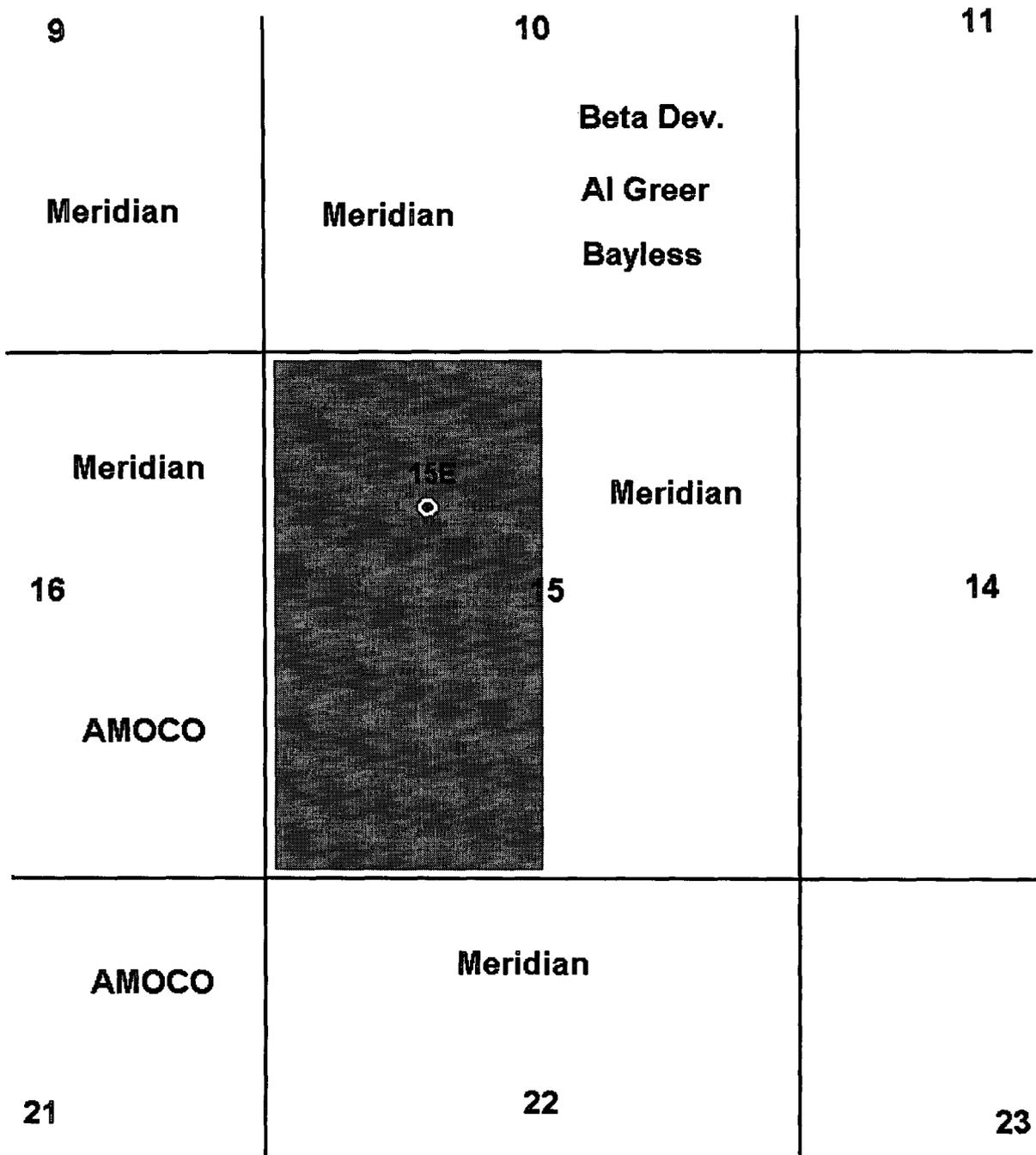
Oil (bbl/day)

Water (bbl/day)

Gas (mcf/day)

BRUINGTON FED. NO. 15E

OFFSET OPERATORS



Township 30N -- Range 11W