

DISTRICT I  
P O Box 1980, Hobbs, NM 88241-1980  
DISTRICT II  
811 S. 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

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

OIL CONSERVATION DIVISION

2040 S. Pacheco  
Santa Fe, New Mexico 875054-6429

APPROVAL PROCESS:

☒ Administrative ☐ Hearing

EXISTING WELLBORE

☒ YES ☐ NO

APPLICATION FOR DOWNHOLE COMMINGLING

ENERGEN RESOURCES CORPORATION 2198 Bloomfield Highway, Farmington, New Mexico 87401  
Operator Address  
Jicarilla 152 W 4A E Sec. 5 T26N 5W Rio Arriba  
Lease Well No. Unit Ltr. - Sec - Twp - Rge County  
OGRID NO. 162928 Property Code 21949 API NO. 30-039-21726 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	S Blanco Pictured Cliffs 72439		Blanco Mesaverde 72319
2. Top and Bottom of Pay Section (Perforations)	3160-3220		4835-5734
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) 519 calc. b. (Original) 1094 calc.	a. b.	a. 543 calc. b. 599 calc.
6. Oil Gravity ( <sup>o</sup> API) or Gas BTU Content)	1177 BTU		1202 BTU
7. Producing or Shut-In?	Producing		Producing
Production Marginal? (yes or no)	Yes		No
* 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: 9/13/99 Rates: 0/48/.3	Date: Rates: Date: Rates:	Date: Rates: Date: 9/9/99 Rates: .5/138/.1
8. Fixed Percentage Allocation Formula - % for each zone	Oil: 0 % Gas: 26 %	Oil: % Gas: %	Oil: 100 % Gas: 74 %

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 in on, or communized 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 Gary W. Brink TITLE Prod. Superintendent DATE 10/4/99

TYPE OR PRINT NAME Gary W. Brink TELEPHONE NO. ( 505 ) 325-6800

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District IV  
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State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

Form C-102

Revised October 18, 1994

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-039-21726	<sup>2</sup> Pool Code 72439/72319	<sup>3</sup> Pool Name S. Blanco Pictured Cliffs/Blanco Mesaverde
<sup>4</sup> Property Code 21949	<sup>5</sup> Property Name Jicarilla 152 W	<sup>6</sup> Well Number 4A
<sup>7</sup> OGRID No. 162928	<sup>8</sup> Operator Name ENERGEN RESOURCES CORPORATION	<sup>9</sup> Elevation 6557 GL

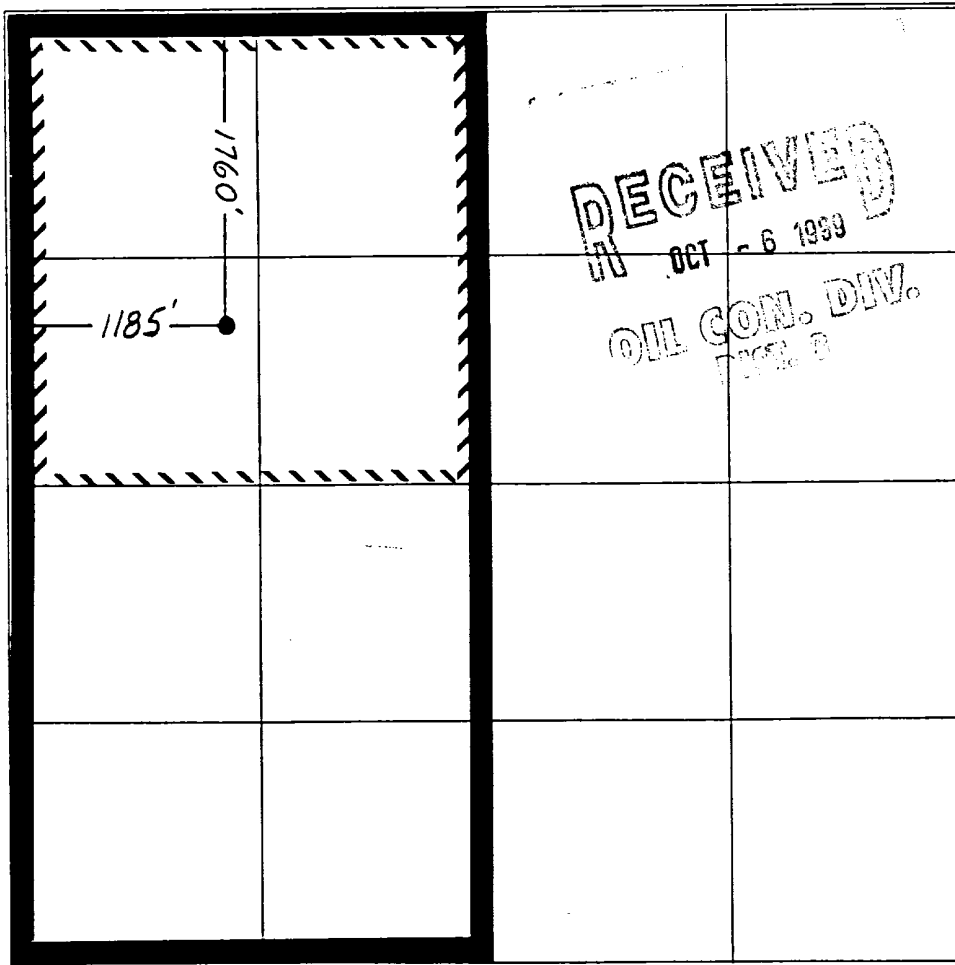
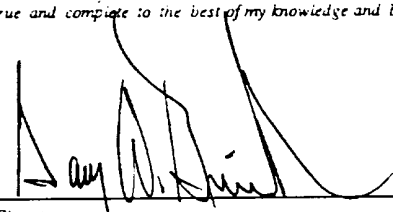
<sup>10</sup> Surface Location

UL or lot no. E	Section 5	Township 26N	Range 5W	Lot. Idn	Feet from the 1760	North/South Line North	Feet from the 1185	East/West line West	County Rio Arriba
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<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
<sup>12</sup> Dedicated Acres 159.61&319.61									
<sup>13</sup> Joint or Infill									
<sup>14</sup> Consolidation Code									
<sup>15</sup> Order No.									

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

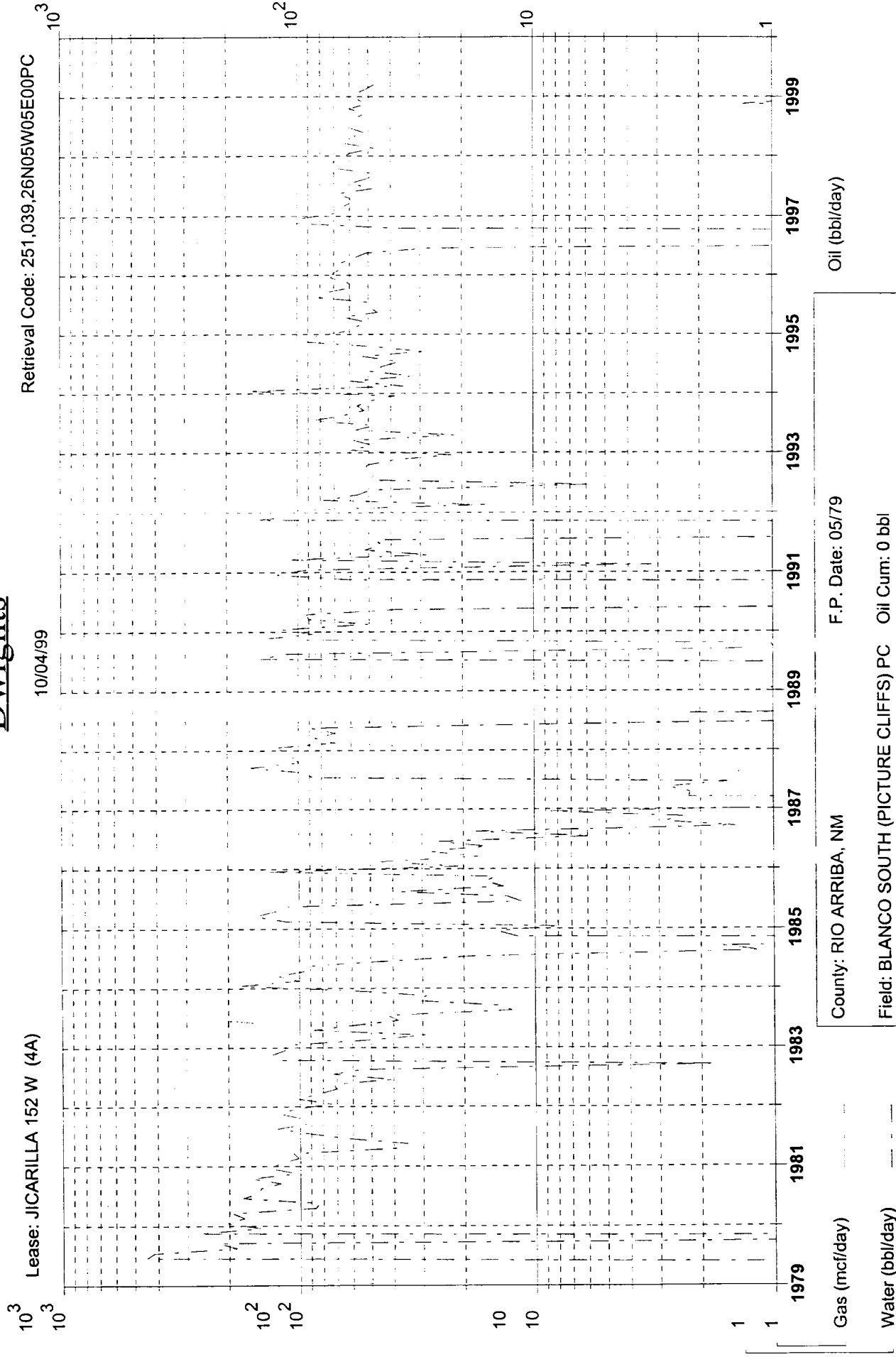
	<p><sup>17</sup> OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p></p> <p>Signature Gary W. Brink Printed Name Production Superintendent Title Date 10/4/99</p>
	<p><sup>18</sup> SURVEYOR CERTIFICATION I hereby 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 belief.</p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyer: Reissue of Original Survey By Fred B. Kerr</p> <p>Certificate Number</p>

# Dwights

Lease: JICARILLA 152 W (4A)

Retrieval Code: 251,039,26N05W05E00PC

10/04/99



F.P. Date: 05/79

County: RIO ARRIBA, NM

Field: BLANCO SOUTH (PICTURE CLIFFS) PC Oil Cum: 0 bbl

Gas Cum: 464.4 mmcf

Reservoir: PICTURE CLIFFS

Location: 5E 26N 5W

Operator ENERGEN RESOURCES

Oil (bbl/day)

Gas (mcf/day)

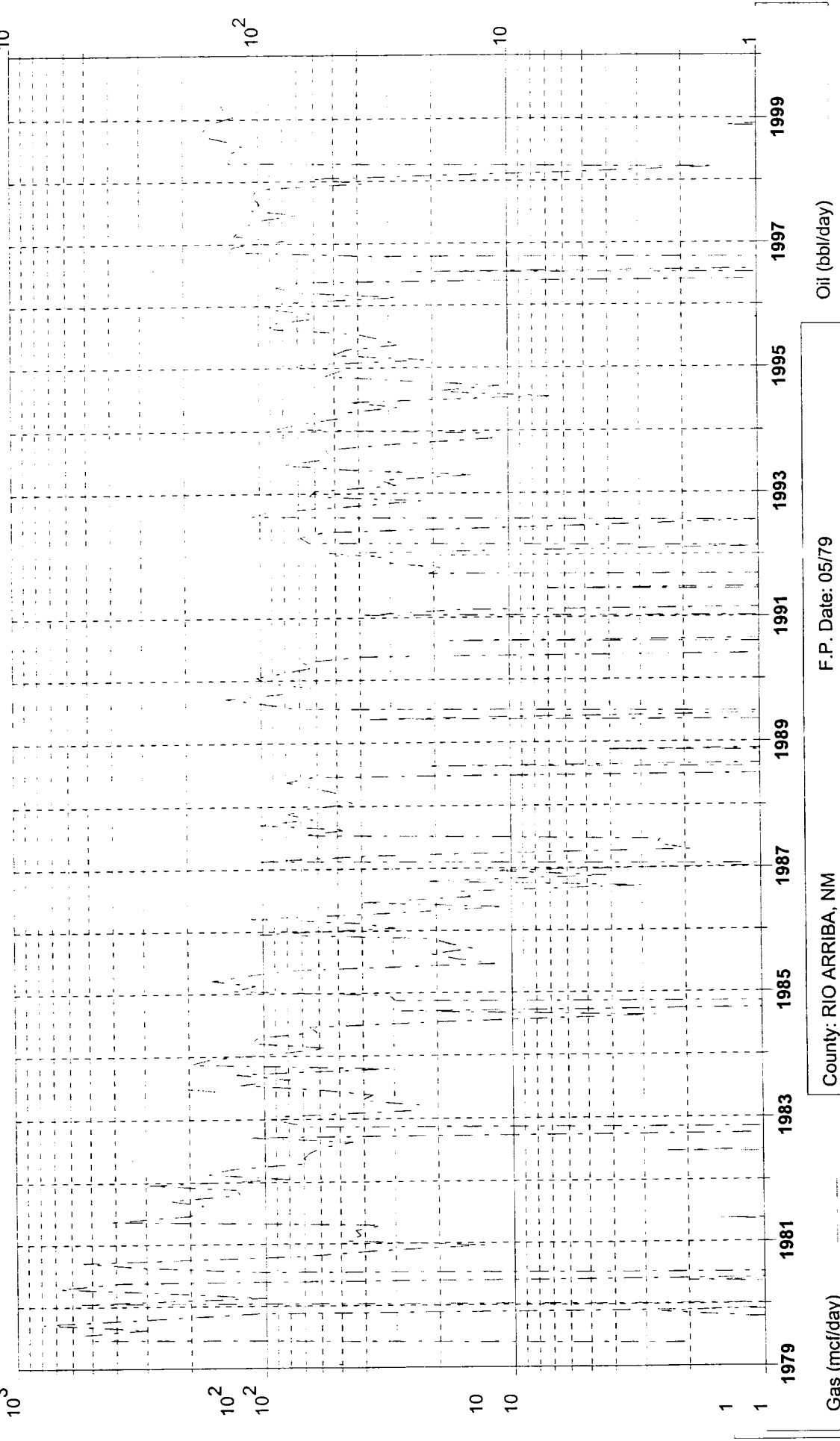
Water (bbl/day)

# Dwights

Lease: JICARILLA 152 W (4A)

Retrieval Code: 251,039,26N05W05E00MV

10/04/99



Gas (mcf/day)

Water (bbl/day)

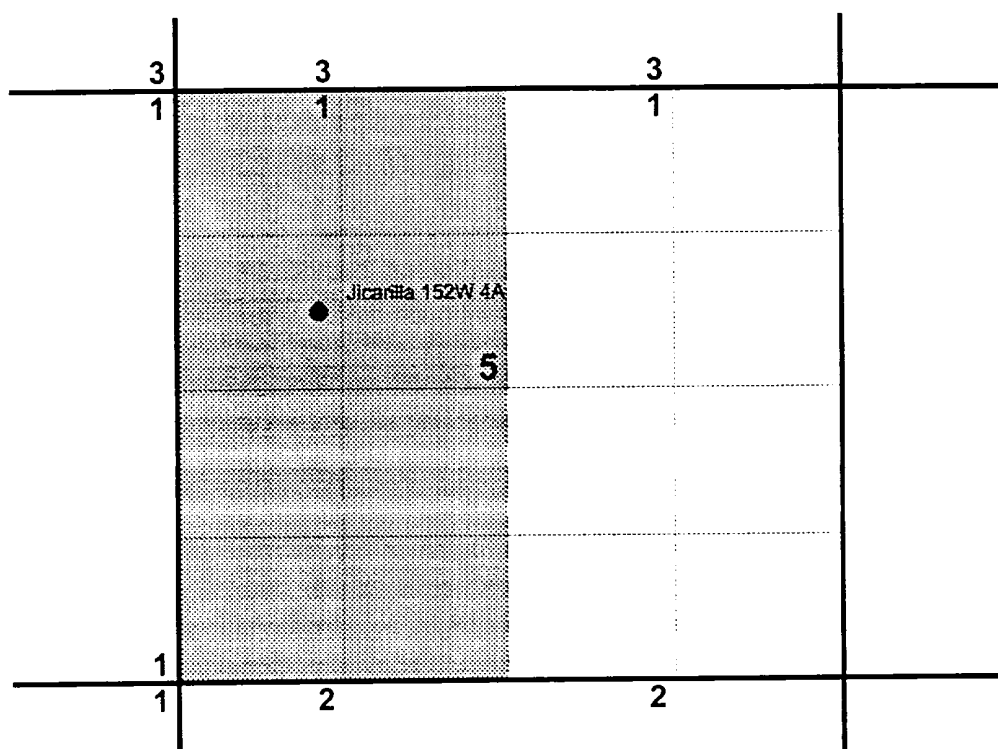
Oil (bbl/day)

County: RIO ARRIBA, NM	F.P. Date: 05/79
Field: BLANCO (MESAVERDE) MV	Oil Cum: 1357 bbl
Reservoir: MESAVERDE	Gas Cum: 579.8 mmcf
Operator: ENERGEN RESOURCES	Location: 5E 26N 5W

# Energen Resources Corp.

Jicarilla 152W #4A  
Offset Operator / Ownership Plat  
S. Blanco Pictured Cliffs/ Blanco Mesa Verde  
Downhole Commingling

Township 26 N, Range 5 W



- 1) Energen Resources
- 2) Graystone Energy Inc.  
5802 Highway 64  
Farmington, N. M. 87401
- 3) Burlington Resources  
P.O. Box 4289  
Farmington, N.M. 87499-4289

ULLA APACHE INDIAN RESERVATION

T  
26  
N

**Energen Resources Corp.**  
Jicarilla 152 W 4A  
Unit E, Sec. 5, T 26 N, R 5 W