

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

OIL CONSERVATION DIVISION

2040 S. Pacheco
Santa Fe, New Mexico 875054-6429Form C-107-A
New 3-12-96

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

4

K

Sec. 5 T26N

5W

Rio Arriba

Lease

Well No

Unit Ltr. - Sec - Twp - Rge

County

OGRID NO. 162928

Property Code 21949

API NO. 30-039-21727

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		4838-5770
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) 478 calc. b. (Original) 1111 calc.	RECEIVED OCT - 4 1999 OIL CON. DIV. DIST. 2	a. 510 calc. b. 827 calc.
6. Oil Gravity (^o API) or Gas BTU Content)	1192 BTU		1197 BTU
7. Producing or Shut-In?	Producing		Producing
Production Marginal? (yes or no)	No		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	Date: Rates:	Date: Rates:	Date: Rates:
* If Producing, give date and oil/gas/water rates of recent test (within 60 days)	Date: 9/26/99 Rates: 0/127/.5	Date: Rates:	Date: 8/17/99 Rates: 1/240/.5
8. Fixed Percentage Allocation Formula - % for each zone	Oil: 0 % Gas: 35 %	Oil: % Gas: %	Oil: 100 % Gas: 65 %

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?

11. Will cross-flow occur? ☐ Yes ☒ NoIf 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 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

TITLE Prod. Superintendent

DATE

TYPE OR PRINT NAME Gary W. Brink

TELEPHONE NO. (505) 325-6800

State of New Mexico

Energy, Minerals & Natural Resources Department

Form C-102

Revised October 18, 1994

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

District I

PO Box 1980, Hobbs, NM 88241-1980

District II

811 S. 1st Street, Artesia, NM 88210-2834

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

2040 South Pacheco, Santa Fe, NM 87505

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-21727	² Pool Code 72439/72319	³ Pool Name S. Blanco Pictured Cliffs/Blanco Mesaverde
⁴ Property Code 21949	⁵ Property Name Jicarilla 152 W	⁶ Well Number 4
⁷ OGRID No. 162928	⁸ Operator Name ENERGEN RESOURCES CORPORATION	⁹ Elevation 6552 GL

¹⁰ Surface Location

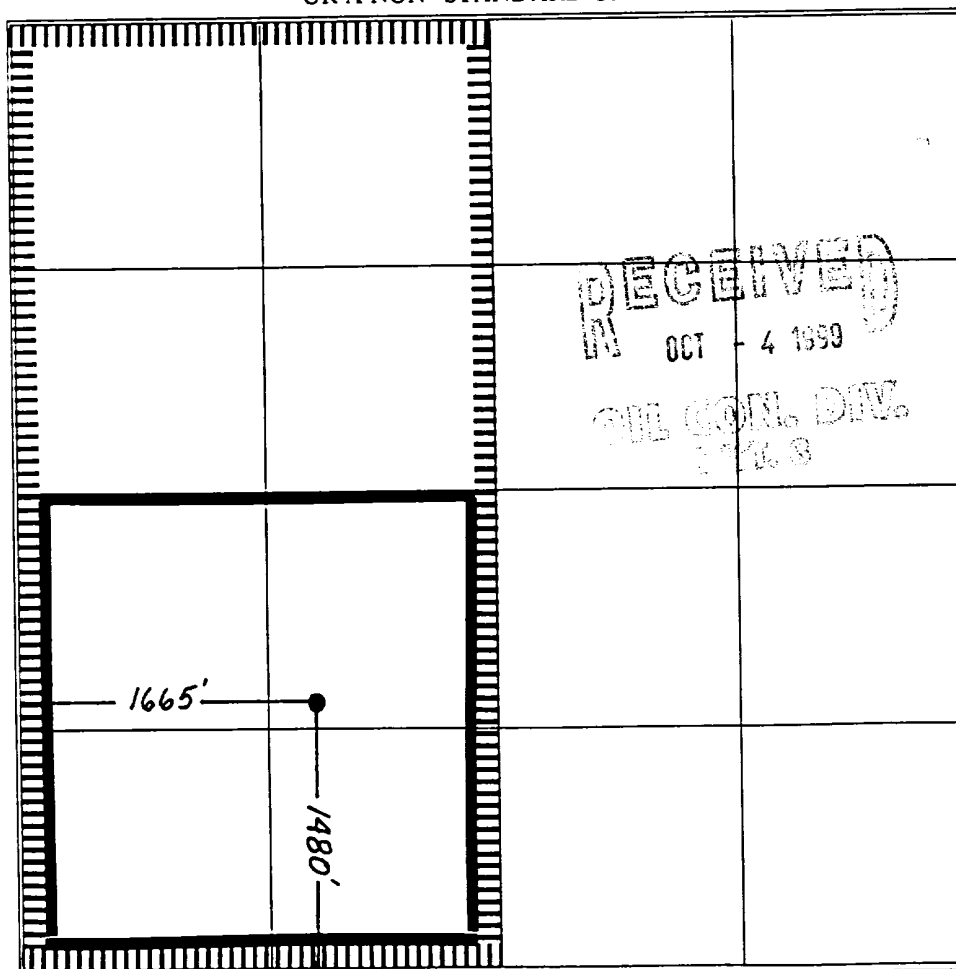
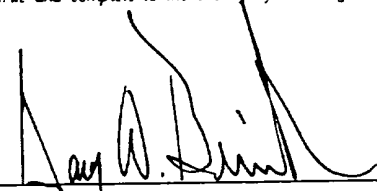
UL or lot no. K	Section 5	Township 26N	Range 5W	Lot. Idn	Feet from the 1480	North/South Line South	Feet from the 1665	East/West line West	County Rio Arriba
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¹¹ Bottom Hole Location If Different From Surface

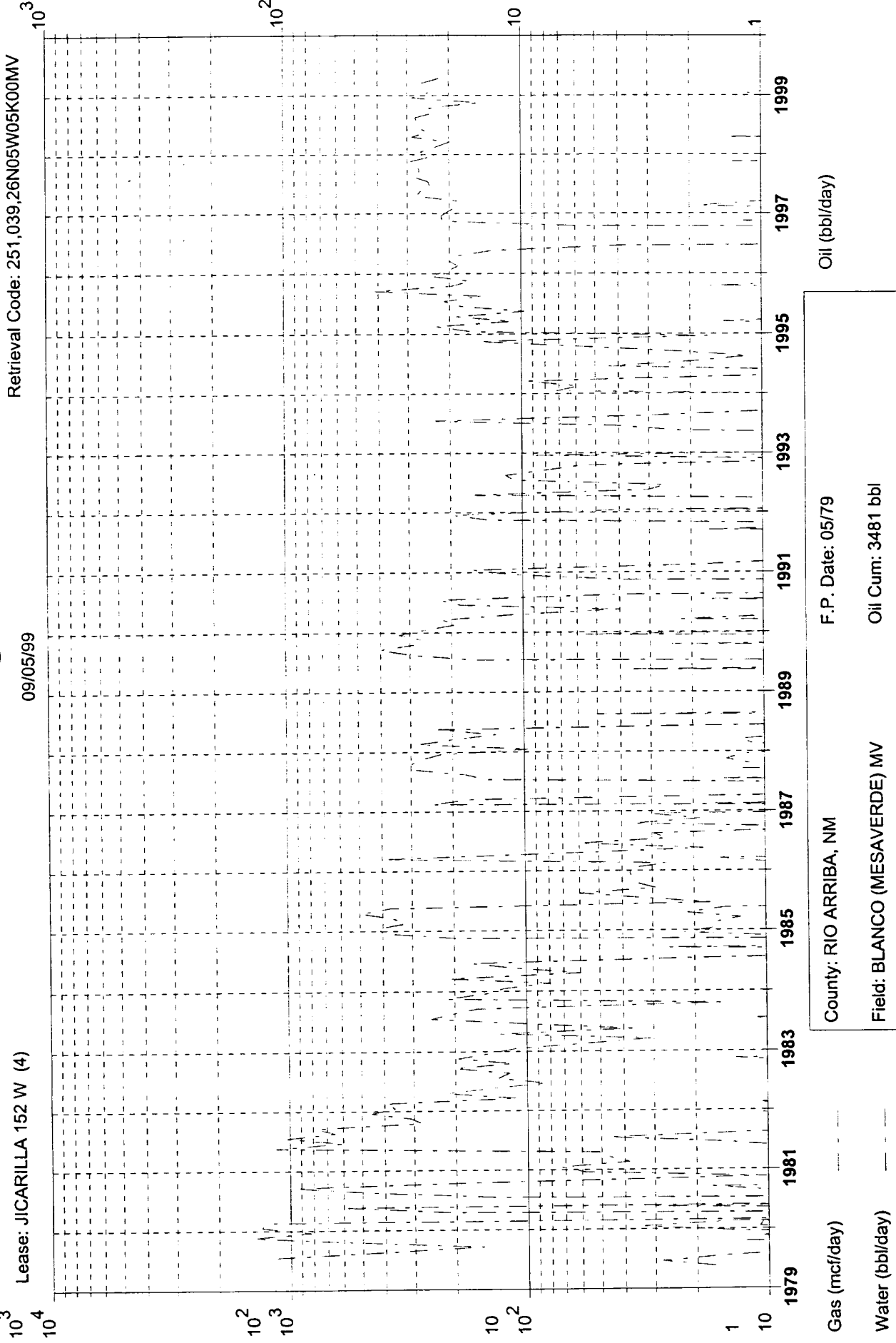
UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
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¹² Dedicated Acres 160 & 319.61	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	¹⁷ OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i>  Signature Gary W. Brink Printed Name Production Superintendent Title 10/1/99 Date
	¹⁸ SURVEYOR CERTIFICATION <i>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.</i> February 25, 1978 Date of Survey Signature and Seal of Professional Surveyor: Reissue of Original Survey By Fred B. Kerr Certificate Number

Dwights



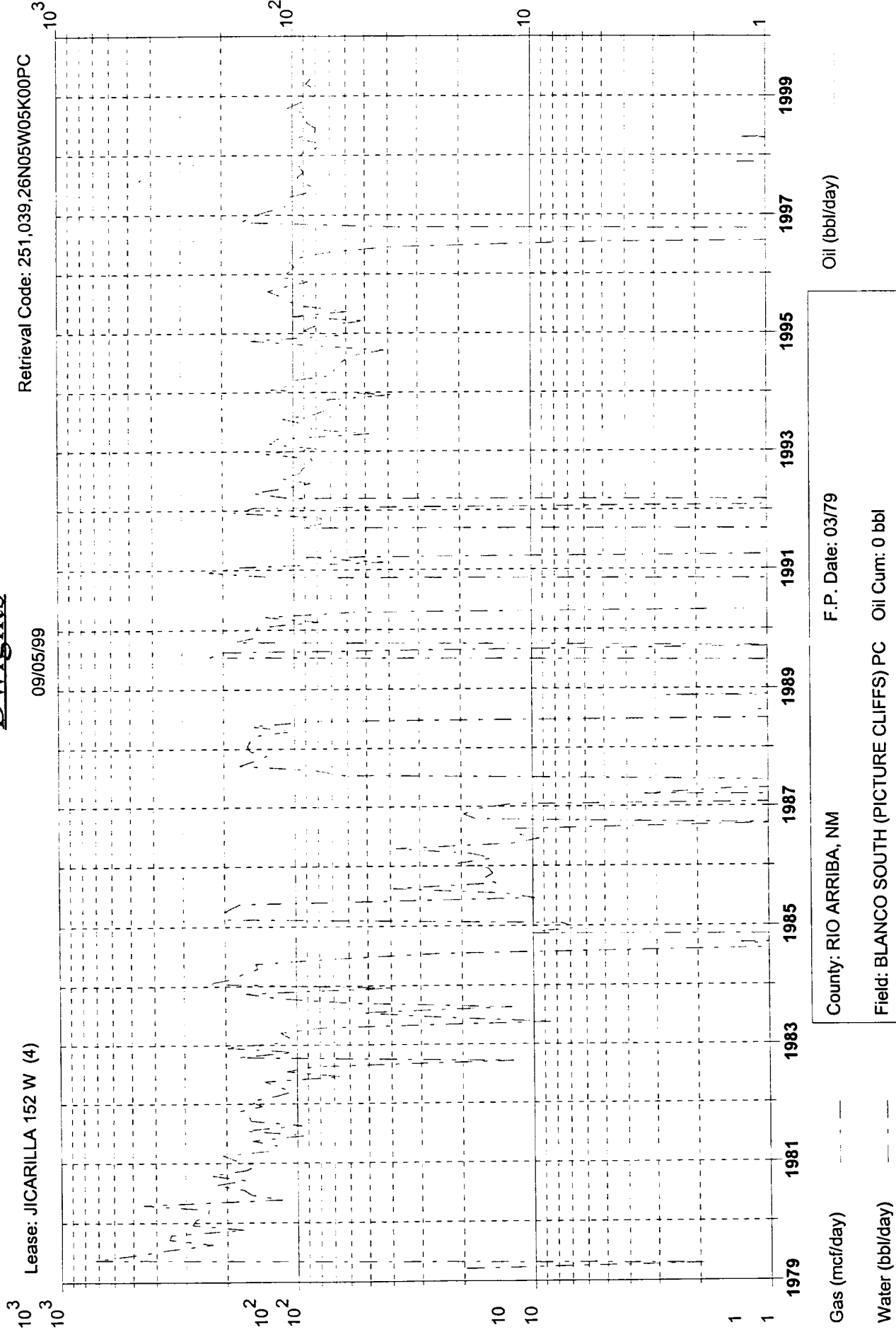
County: RIO ARRIBA, NM	F.P. Date: 05/79
Field: BLANCO (MESAVERDE) MV	Oil Cum: 3481 bbl
Reservoir: MESAVERDE	Gas Cum: 1273 mmcf
Operator: ENERGEN RESOURCES	Location: 5K 26N 5W

Dwights

Lease: JICARILLA 152 W (4)

09/05/99

Retrieval Code: 251,039,26N05W05K00PC



F.P. Date: 03/79

County: RIO ARRIBA, NM

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

Gas Cum: 710.4 mmcf

Reservoir: PICTURE CLIFFS

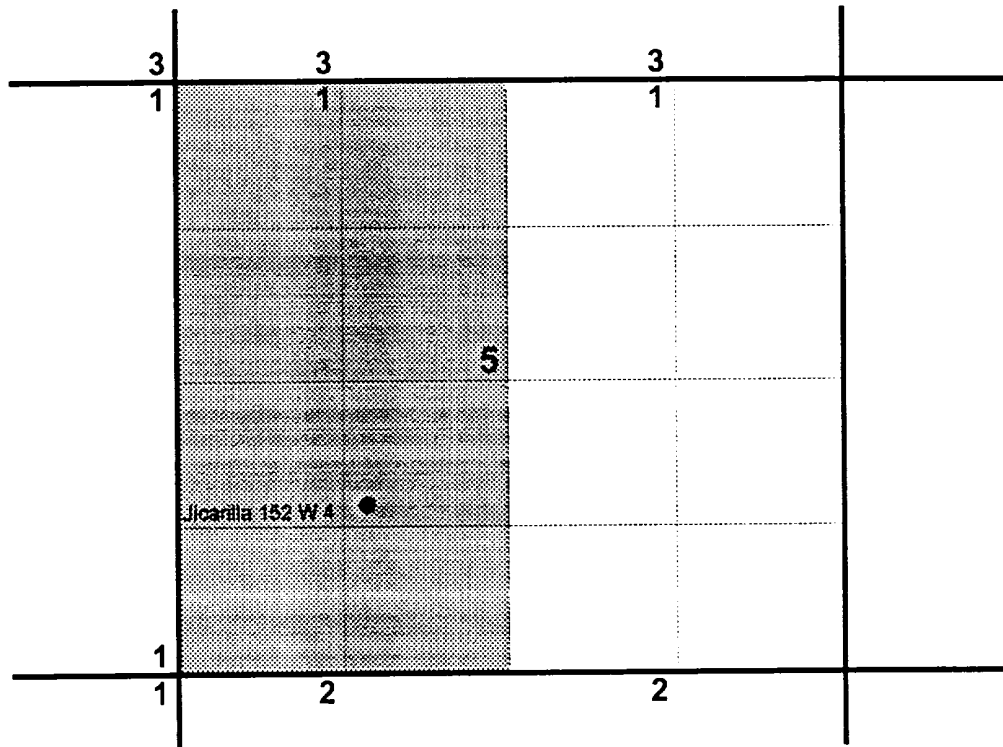
Location: 5K 26N 5W

Operator: ENERGEN RESOURCES

Energen Resources Corp.

Jicarilla 152W #4
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

