

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 Operator Address 2198 Bloomfield Highway, Farmington, NM 87401

Jicarilla 119N Lease Well No. 4A Unit Ltr. - Sec - Twp - Rge J Sec. 6 T26N R4W Rio Arriba County

OGRID NO. 162928 Property Code 21944 API NO. 30-039-22980 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	Tapacito PC 85920		Blanco MV 72319
2. Top and Bottom of Pay Section (Perforations)	3870 - 3928'		5548 - 6357'
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) 213 Calc.	a.	205 Calc.
	b. (Original) 311 Calc.	b.	1238 Calc.
6. Oil Gravity ( <sup>o</sup> API) or Gas BTU Content)	1204 BTU		1229 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	Date: Rates:	Date: Rates:	Date: Rates:
* If Producing, give date and oil/gas/water rates of recent test (within 60 days)	Date: 3/22/99 Rates: 0/72/.5	Date: Rates:	Date: 3/16/99 Rates: .5/133/.1
8. Fixed Percentage Allocation Formula - % for each zone	Oil: 0% Gas: 35%	Oil: % Gas: %	Oil: 100% Gas: 65%

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APR 15 1999  
OIL CON. DIV.  
Rm 315-3

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 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 Gary W. Brink TITLE Prod. Superintendent DATE 4/13/99

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



District I  
PO Box 1980, Hobbs, NM 88241-1980

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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

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 30-039-22980	<sup>2</sup> Pool Code 85920/72319	<sup>3</sup> Pool Name Tapacito PC/Blanco MV
<sup>4</sup> Property Code 21944	<sup>5</sup> Property Name Jicarilla 119N	<sup>6</sup> Well Number 4A
<sup>7</sup> OGRID No. 162928	<sup>8</sup> Operator Name ENERGEN RESOURCES CORPORATION	<sup>9</sup> Elevation 7152' GL

<sup>10</sup> Surface Location

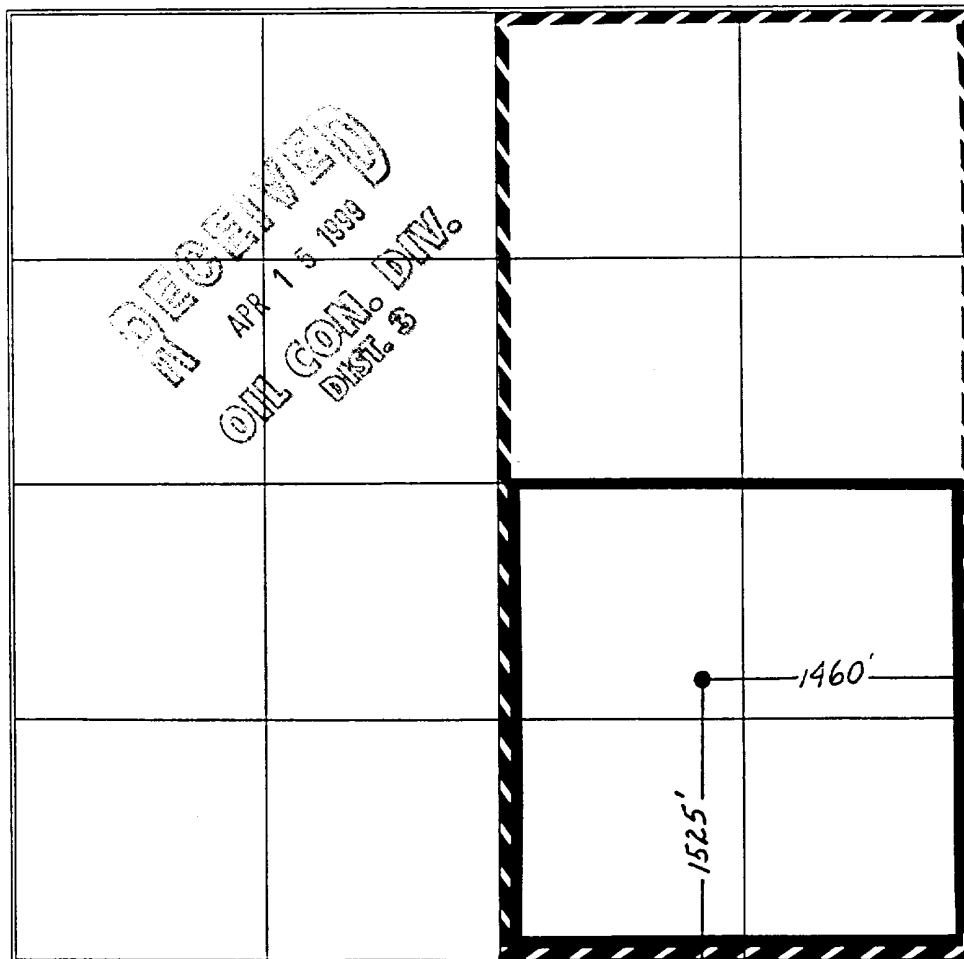
UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
J	6	26N	4W		1525'	S	1460'	E	Rio Arriba

<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 160/322.72	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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



<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.

*[Signature]*  
Signature  
Gary W. Brink  
Printed Name  
Production Superintendent  
Title  
4/13/99  
Date

<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.

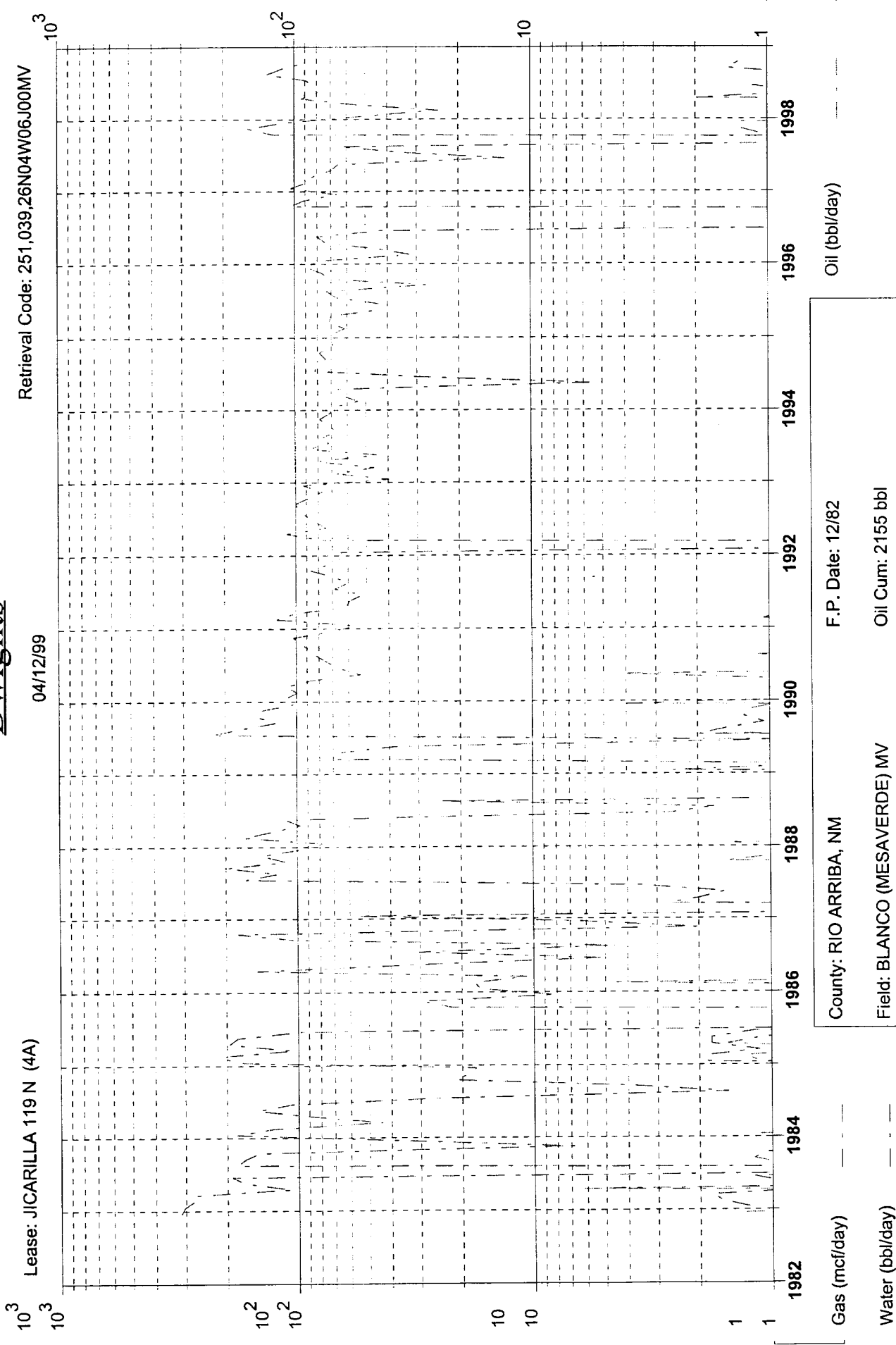
3/17/82  
Date of Survey  
Signature and Seal of Professional Surveyer:  
Reissue of Original Survey  
By Fred B. Kerr  
Certificate Number

# Dwights

Lease: JICARILLA 119 N (4A)

04/12/99

Retrieval Code: 251,039,26N04W06J00MV



Oil (bbl/day)

Gas (mcf/day)

Water (bbl/day)

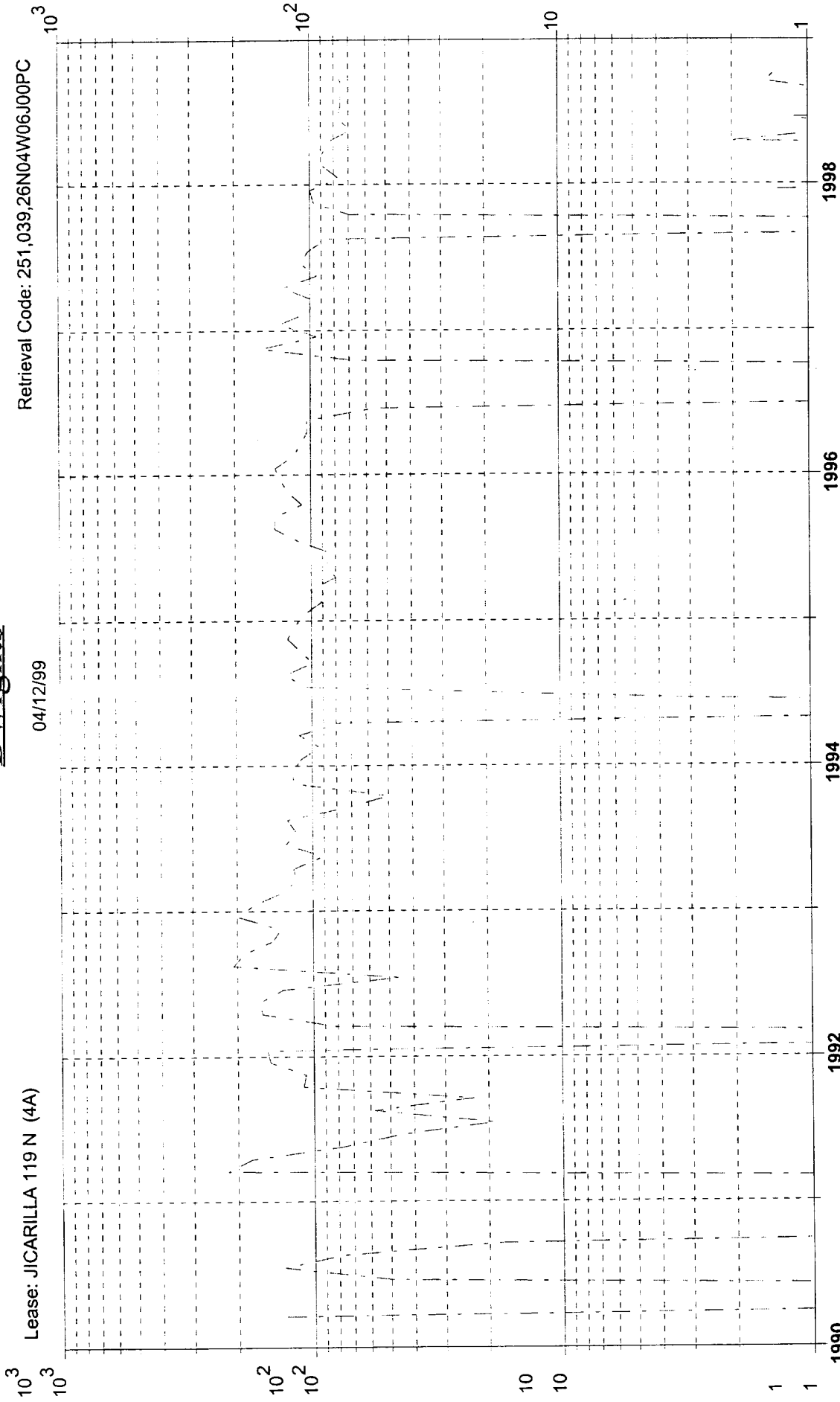
County: RIO ARRIBA, NM	F.P. Date: 12/82
Field: BLANCO (MESAVERDE) MV	Oil Cum: 2155 bbl
Reservoir: MESAVERDE	Gas Cum: 445.0 mmcf
Operator: ENERGEN RESOURCES	Location: 6J 26N 4W

# Dwights

Lease: JICARILLA 119 N (4A)

04/12/99

Retrieval Code: 251,039,26N04W06J00PC



Oil (bbl/day)

Gas (mcf/day)

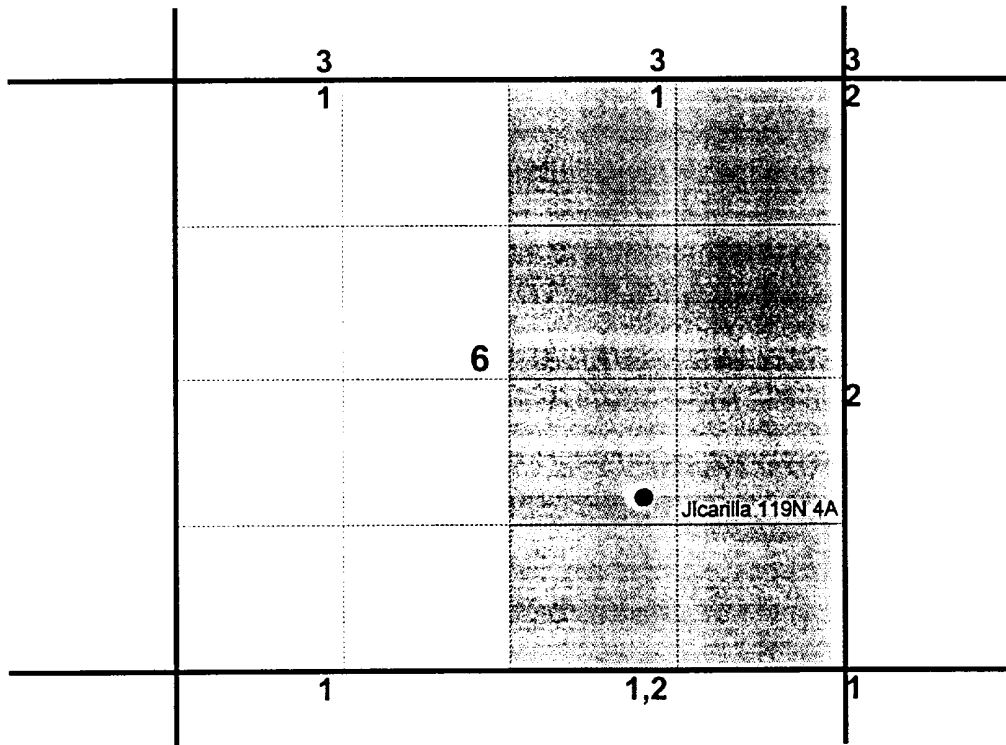
Water (bbl/day)

County: RIO ARRIBA, NM	F.P. Date: 03/90
Field: TAPACITO (PICTURED CLIFFS) PC	Oil Cum: 0 bbl
Reservoir: PICTURED CLIFFS	Gas Cum: 291.6 mmcf
Operator: ENERGEN RESOURCES	Location: 6J 26N 4W

# Energen Resources Corp.

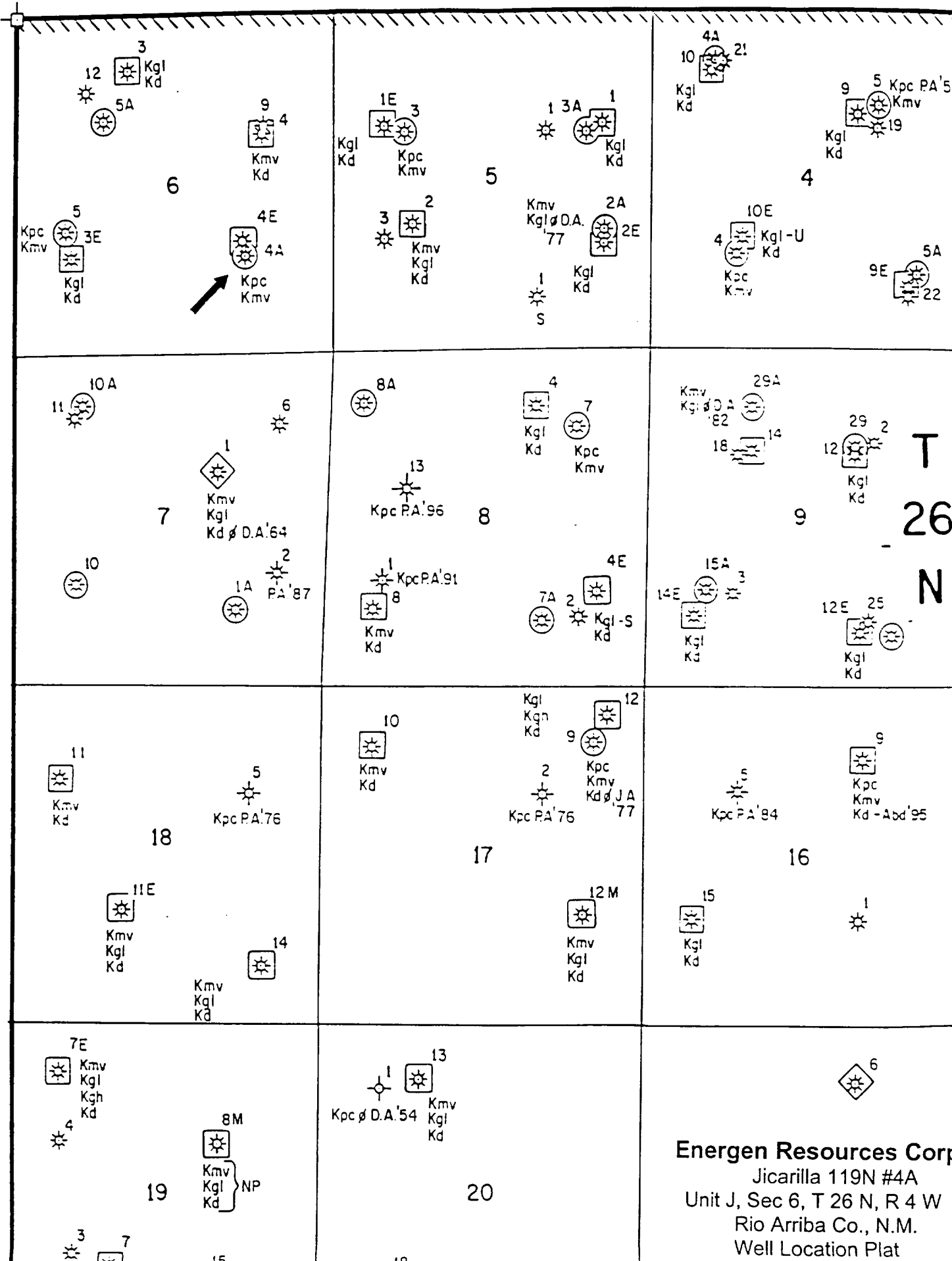
Jicarilla 119N #4A  
Offset Operator / Ownership Plat  
Tapacito Pictured Cliffs/ Blanco Mesa Verde  
Downhole Commingling

Township 26 N, Range 4 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

# R-4-W



**Energen Resources Corp.**  
 Jicarilla 119N #4A  
 Unit J, Sec 6, T 26 N, R 4 W  
 Rio Arriba Co., N.M.  
 Well Location Plat