

## 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 875054-6429

## APPLICATION FOR DOWNHOLE COMMINGLING

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

## APPROVAL PROCESS:

☒ Administrative ☐ Hearing

## EXISTING WELLBORE

☒ YES ☐ NO

ENERGEN RESOURCES CORPORATION

2198 Bloomfield Highway, Farmington, New Mexico 87401

Operator

Address

Jicarilla 94

6

A

Sec. 27 T27N

R3W

Rio Arriba

Lease

Well No.

Unit Ltr. - Sec - Twp - Rge

County

Spacing Unit Lease Types: (check 1 or more)

Federal ☒ State ☐ (and/or) Fee ☐

OGRID NO. 162928 Property Code 21937 API NO. 30-039-06934

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zone	Lower Zone
1. Pool Name and Pool Code	Gavilan PC 77360		Blanco MV 72319
2. Top and Bottom of Pay Section (Perforations)	4074-4157		5864-6344
3. Type of production (Oil or Gas)	Gas		Gas
4. Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
5. Bottomhole Pressure	a. (Current) 548 calc.	a.	a. 289 calc.
Oil Zones - Artificial Lift: Gas & Oil - Flowing: All Gas Zones: Estimated Current Measured Current Estimated Or Measured Original	b. (Original) 1110 calc.	b.	b. 1925 calc.
6. Oil Gravity ( <sup>o</sup> API) or Gas BTU Content)	1208 BTU		1203 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: 2/2/00 Rates: 0/44/.3	Date: Rates:	Date: 1/27/00 Rates: .2/84/.1
8. Fixed Percentage Allocation Formula - % for each zone	Oil: 0 % Gas: 34 %	Oil: % Gas: %	Oil: 100 % Gas: 66 %

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 ☐ No11. 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 ☐ No13. 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 [Signature] TITLE Prod. Superintendent DATE 2/14/00TYPE OR PRINT NAME Gary W. Brink TELEPHONE NO. ( 505 ) 325-6800

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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

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 30-039-06934	<sup>2</sup> Pool Code 77360/72319	<sup>3</sup> Pool Name Gavilan PC/Blanco MV
<sup>4</sup> Property Code 21937	<sup>5</sup> Property Name Jicarilla 94	<sup>6</sup> Well Number 6
<sup>7</sup> OGRID No. 162928	<sup>8</sup> Operator Name ENERGEN RESOURCES CORPORATION	<sup>9</sup> Elevation 7378'

<sup>10</sup> Surface Location									
UL or lot no. A	Section 27	Township 27N	Range 3W	Lot. Idn	Feet from the 990'	North/South Line N	Feet from the 990'	East/West line E	County 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 160/320									
<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

	<sup>17</sup> 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 2/14/00 Date
	<sup>18</sup> 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> 8/28/56 Date of Survey Signature and Seal of Professional Surveyor: Reissue of Original Survey Certificate Number:

# Dwights

Retrieval Code: 251,039,27N03W27A00PC

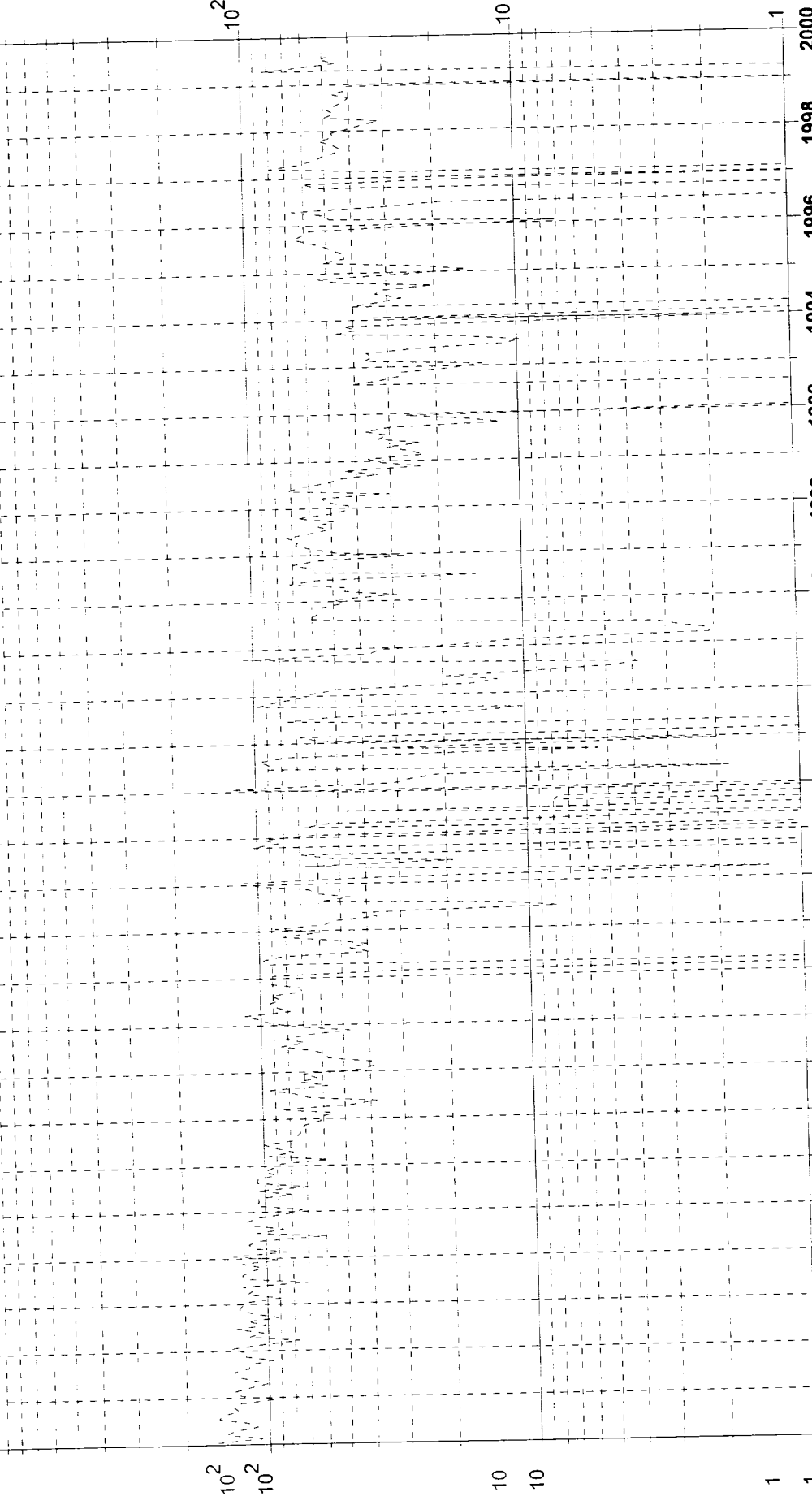
Lease: JICARILLA 94 (6)

02/11/00

10<sup>3</sup>

10<sup>3</sup>

10<sup>3</sup>



Water (bbl/day)

F.P. Date: 12/58

County: RIO ARRIBA, NM

Gas (mcf/day)

Oil Cum: 2110 bbl

Field: GAVILAN (PICTURED CLIFFS) PC

Oil (bbl/day)

Gas Cum: 1071 mmcf

Reservoir: PICTURED CLIFFS

Operator: ENERGEN RESOURCES

Location: 27A 27N 3W

# Dwights

Retrieval Code: 251,039,27N03W27A00MV

02/11/00

Lease: JICARILLA 94 (6)

10<sup>3</sup>  
10<sup>3</sup>

10<sup>2</sup>  
10<sup>2</sup>

10  
10

1  
1

Gas (mcf/day)

Oil (bbl/day)

Water (bbl/day)

F.P. Date: 12/58

Oil Cum: 9471 bbl

Gas Cum: 2000 mmcf

Location: 27A 27N 3W

County: RIO ARRIBA, NM

Field: BLANCO (MESAVERDE) MV

Reservoir: MESAVERDE

Operator: ENERGEN RESOURCES

# Energen Resources Corp.

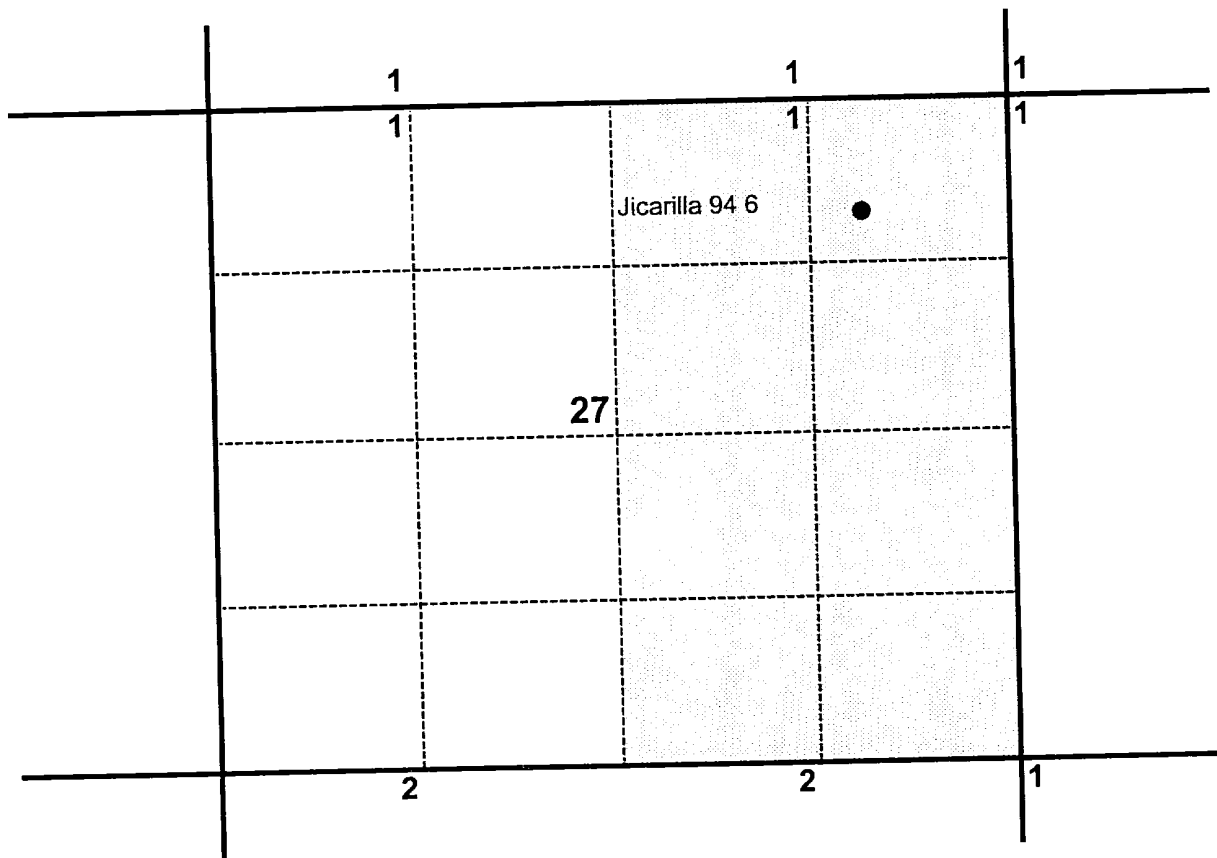
Jicarilla 94 #6

Offset Operator / Ownership Plat

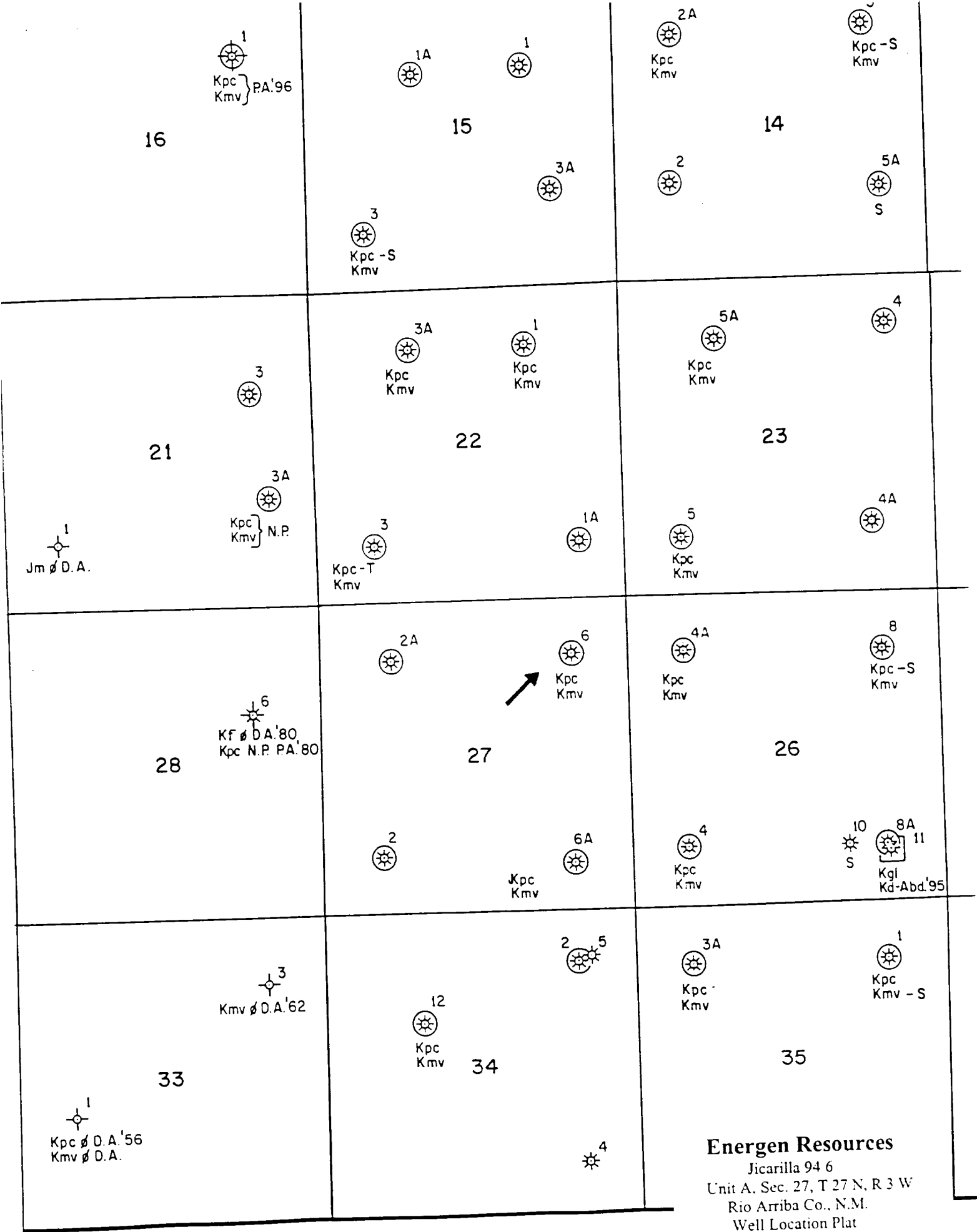
Gavilan Pictured Cliffs/ Blanco Mesa Verde

Downhole Commingling

Township 27 N, Range 3 W



- 1) Energen Resources
- 2) Williams Production Co.  
P.O. Box 3102  
Tulsa, OK. 74101



**Energen Resources**  
 Jicarilla 94 6  
 Unit A, Sec. 27, T 27 N, R 3 W  
 Rio Arriba Co., N.M.  
 Well Location Plat