

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 2A P Sec. 5 T26N 5W Rio Arriba
Lease Well No Unit Ltr - Sec - Twp - Rge County
OGRID NO. 162928 Property Code 21949 API NO 30-039-21728 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)	3184-3252		4853-5794
3. Type of production (Oil or Gas)	Gas		Gas
4. Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
5. Bottomhole Pressure	a (Current)	a	a
Oil Zones - Artificial Lift: Estimated Current	379 calc.		412 calc.
Gas & Oil - Flowing Measured Current	b (Original)	b	b
All Gas Zones: Estimated Or Measured Original	857 calc.		939 calc.
6. Oil Gravity ($^{\circ}$ API) or Gas BTU Content)	1179 BTU		1200 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	Date: Rates:	Date: Rates:	Date: Rates:
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: 9/13/99 Rates: 0/38/.5	Date: Rates:	Date: 9/2/99 Rates: .4/156/.1
8. Fixed Percentage Allocation Formula - % for each zone	Oil 0 % Gas 20 %	Oil % Gas %	Oil 100 % Gas 80 %

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 Gary W. Brink TITLE Prod. Superintendent DATE 10/5/99

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

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

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

¹ API Number 30-039-21728	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 2A
⁷ OGRID No. 162928	⁸ Operator Name ENERGEN RESOURCES CORPORATION	⁹ Elevation 6575

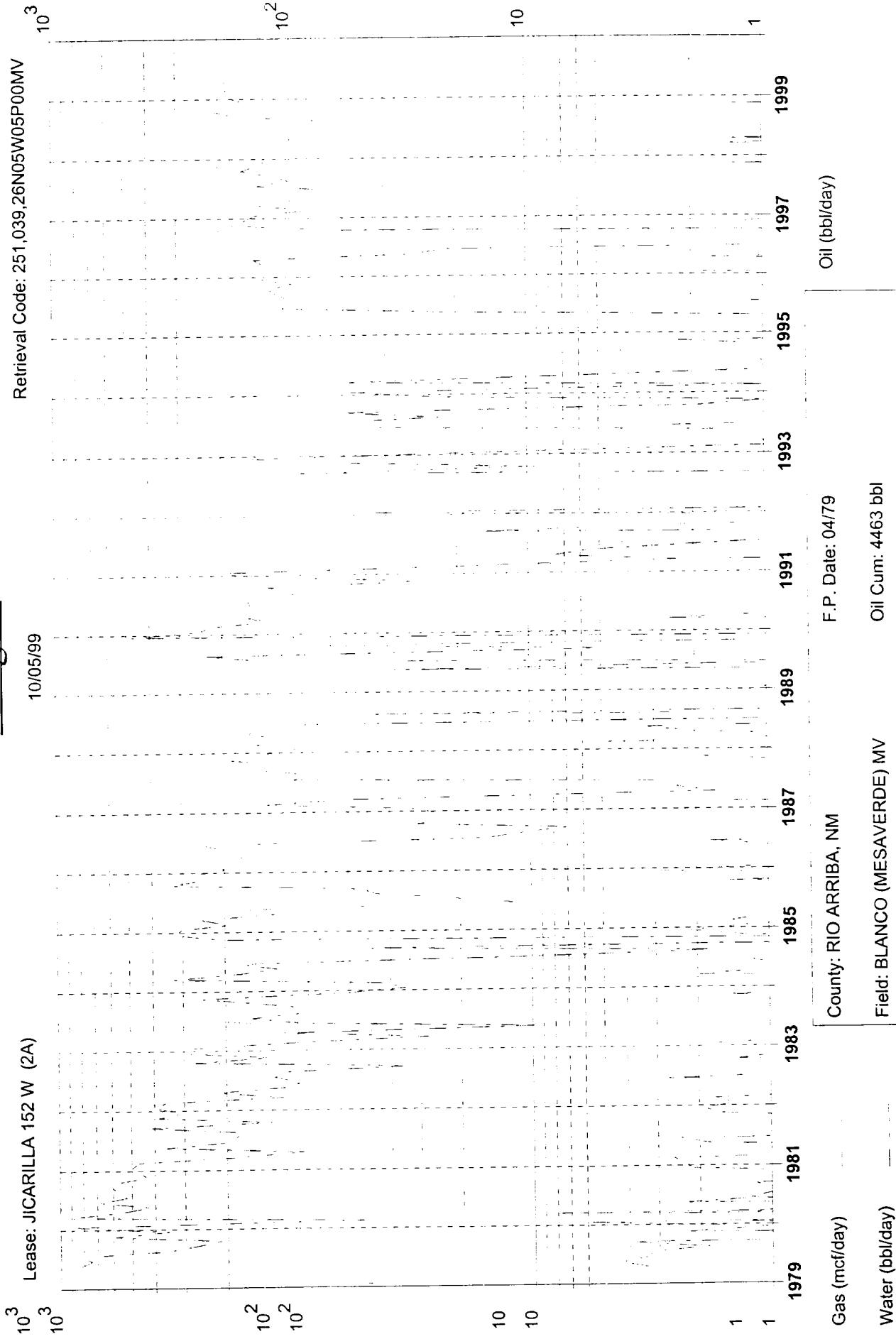
¹⁰ Surface Location									
UL or lot no. P	Section 5	Township 26N	Range 5W	Lot. Idn	Feet from the 810	North South Line South	Feet from the 880	East West line East	County Rio Arriba

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
¹² Dedicated Acres 160 & 319.70		¹³ Joint or Infill	¹⁴ Consolidation Code		¹⁵ 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

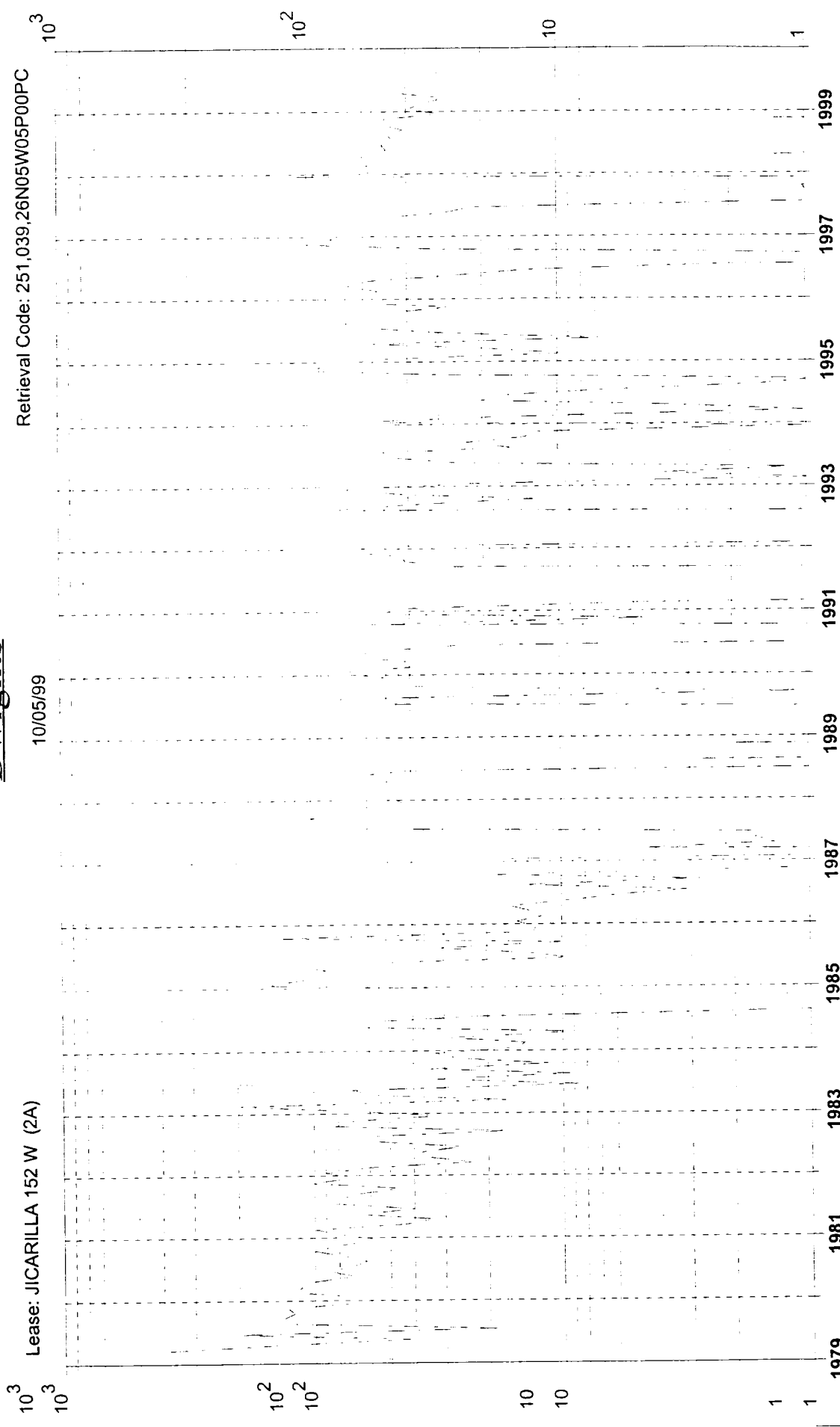
		¹⁷ OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i> Signature Gary W. Brink Printed Name Production Superintendent Title 10/5/99 Date
		¹⁸ SURVEYOR CERTIFICATION <i>I hereby certify that the well location 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> Date of Survey Signature and Seal of Professional Surveyer: Reissue of original survey by Fred B. Kerr Certificate Number

Dwights



County: RIO ARRIBA, NM	F.P. Date: 04/79
Field: BLANCO (MESAVERDE) MV	Oil Cum: 4463 bbl
Reservoir: MESAVERDE	Gas Cum: 1018 mmcf
Operator: ENERGEN RESOURCES	Location: 5P 26N 5W

Dwights



Lease: JICARILLA 152 W (2A)

10/05/99

Retrieval Code: 251,039,26N05W05P00PC

County: RIO ARRIBA, NM	F.P. Date: 03/79
Field: BLANCO SOUTH (PICTURE CLIFFS) PC	Oil Cum: 0 bbl
Reservoir: PICTURE CLIFFS	Gas Cum: 309.5 mmcf
Operator: ENERGEN RESOURCES	Location: 5P 26N 5W

Oil (bbl/day)

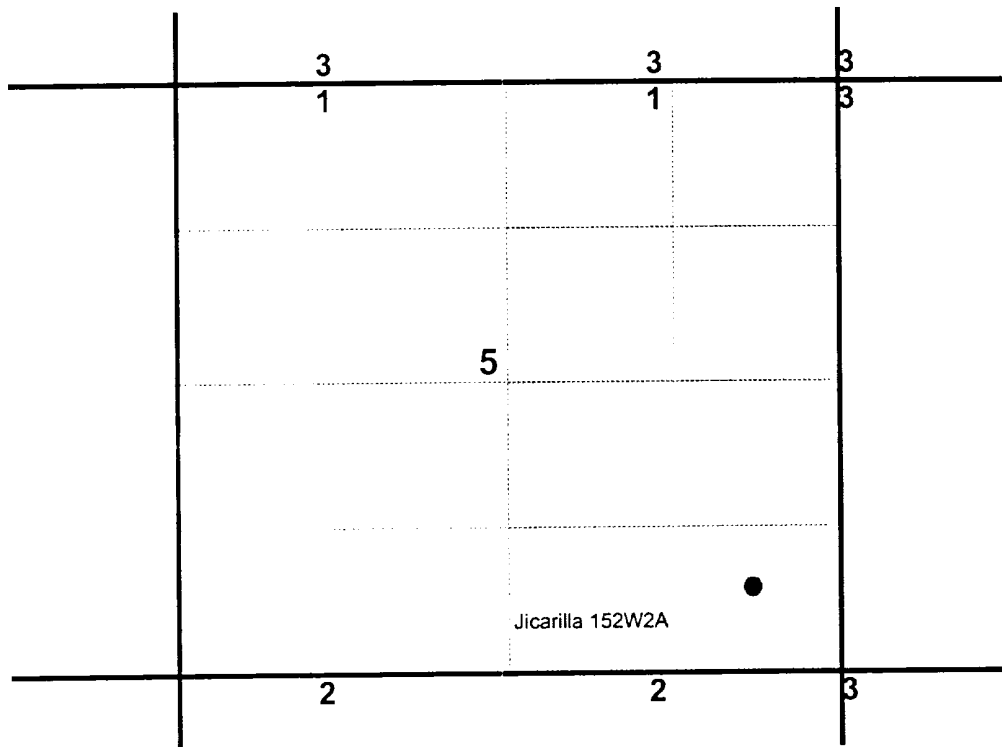
Gas (mcf/day)

Water (bbl/day)

Energen Resources Corp.

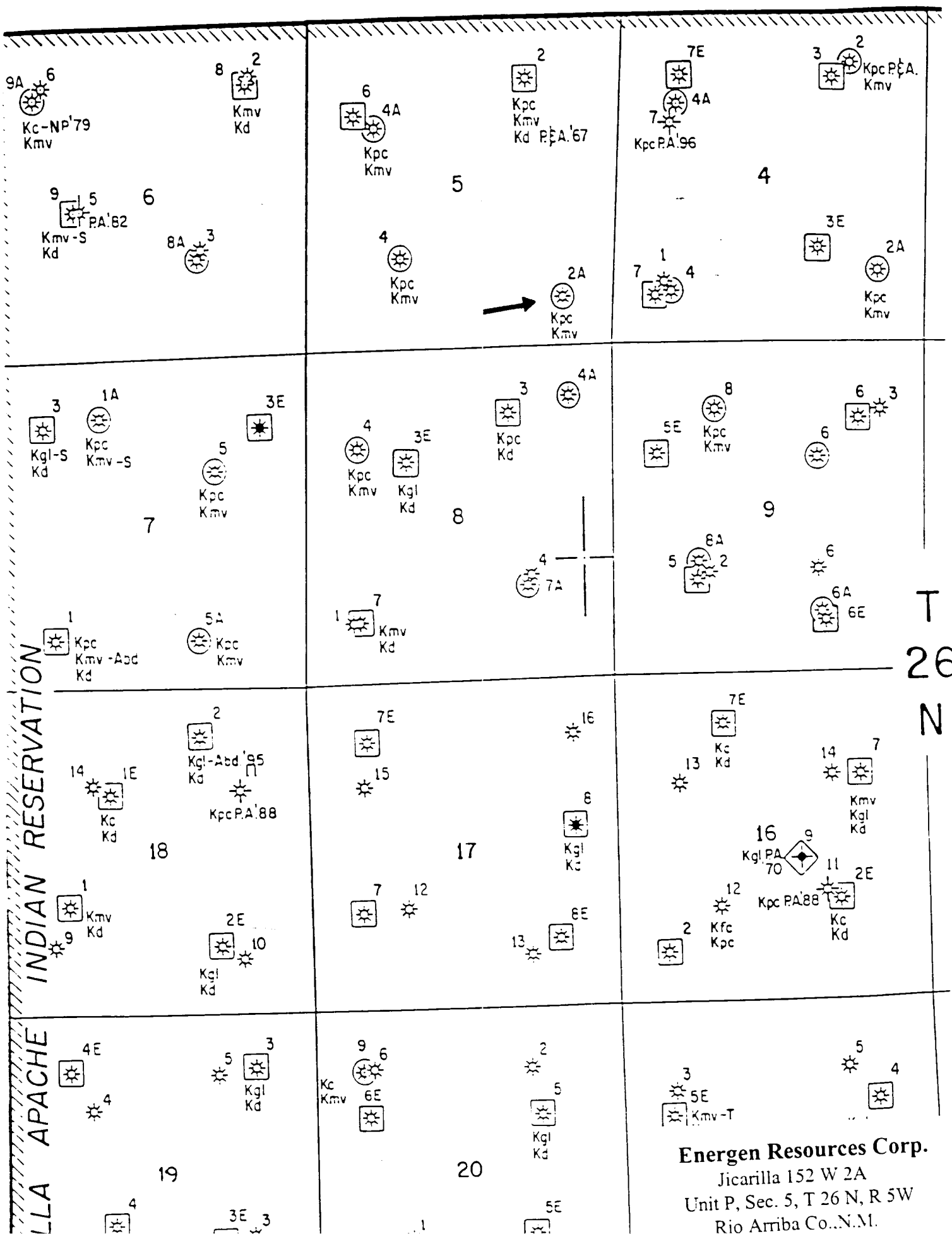
Jicarilla 152W #2A
Offset Operator / Ownership Plat
S. Blanco Pictured Cliffs/ Blanco Mesa Verde
Downhole Commingling

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
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26
N

Energen Resources Corp.
Jicarilla 152 W 2A
Unit P, Sec. 5, T 26 N, R 5W
Rio Arriba Co., N.M.