

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 87504-6429

Form 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, NM 87401
Operator Address
Lease Well No. Unit Unit Ltr. - Sec - Twp - Rge County
Zachry 18 Unit 18 Sec. 11 T28N R10W San Juan County, NM
OGRID NO. 162928 Property Code 007654 API NO. 30-045-07541 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	Aztec PC 71280		Basin Dakota 71599
2. Top and Bottom of Pay Section (Perforations)	1844 - 1880'		6230 - 6412'
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) 93 Calc. b. (Original) 312 Calc.	a. b.	a. 277 Calc. b. 2327 Calc.
6. Oil Gravity (^o API) or Gas BTU Content)	1158 BTU		1314 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 * If Producing, give date and oil/gas/water rates of recent test (within 60 days)	Date: Rates: 3/16/98 0/77/0	Date: Rates:	Date: Rates: 3/12/99 .2/52/0
8. Fixed Percentage Allocation Formula - % for each zone	Oil: 0 % Gas: 60 %	Oil: % Gas: %	Oil: 100 % Gas: 40 %

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(3) _____

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 Brink TITLE Prod. Superintendent DATE 3/19/99
TYPE OR PRINT NAME Gary 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

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

¹ API Number	² Pool Code 712800/71599	³ Pool Name Aztec Pictured Cliffs/Basin Dakota
⁴ Property Code 007654	⁵ Property Name Zachery	⁶ Well Number 18
⁷ OGRID No. 162928	⁸ Operator Name ENERGEN RESOURCES CORPORATION	⁹ Elevation 5640

¹⁰ Surface Location									
UL or lot no. M	Section 11	Township T28N	Range R10W	Lot. Idn	Feet from the 794	North/South Line N	Feet from the 805	East/West line W	County San Juan

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 195.08/327.29									
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

Dedicated Acreage: 327.29 Acres. E/2 E/2
Section 10 and all of Sec. 11,
Township 28-N, Range 10-W,
N.M.P.M. San Juan County,
New Mexico.

RECEIVED
MAR 22 1999

OIL CON. DIV.
DIST. 8

¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief



Signature
Gary W. Brink

Printed Name
Production Superintendent

Title
3/19/99

Date

¹⁸ 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.

Date of Survey

Signature and Seal of Professional Surveyor:

Reissue of original Survey
by Michael Daly

5992

Certificate Number

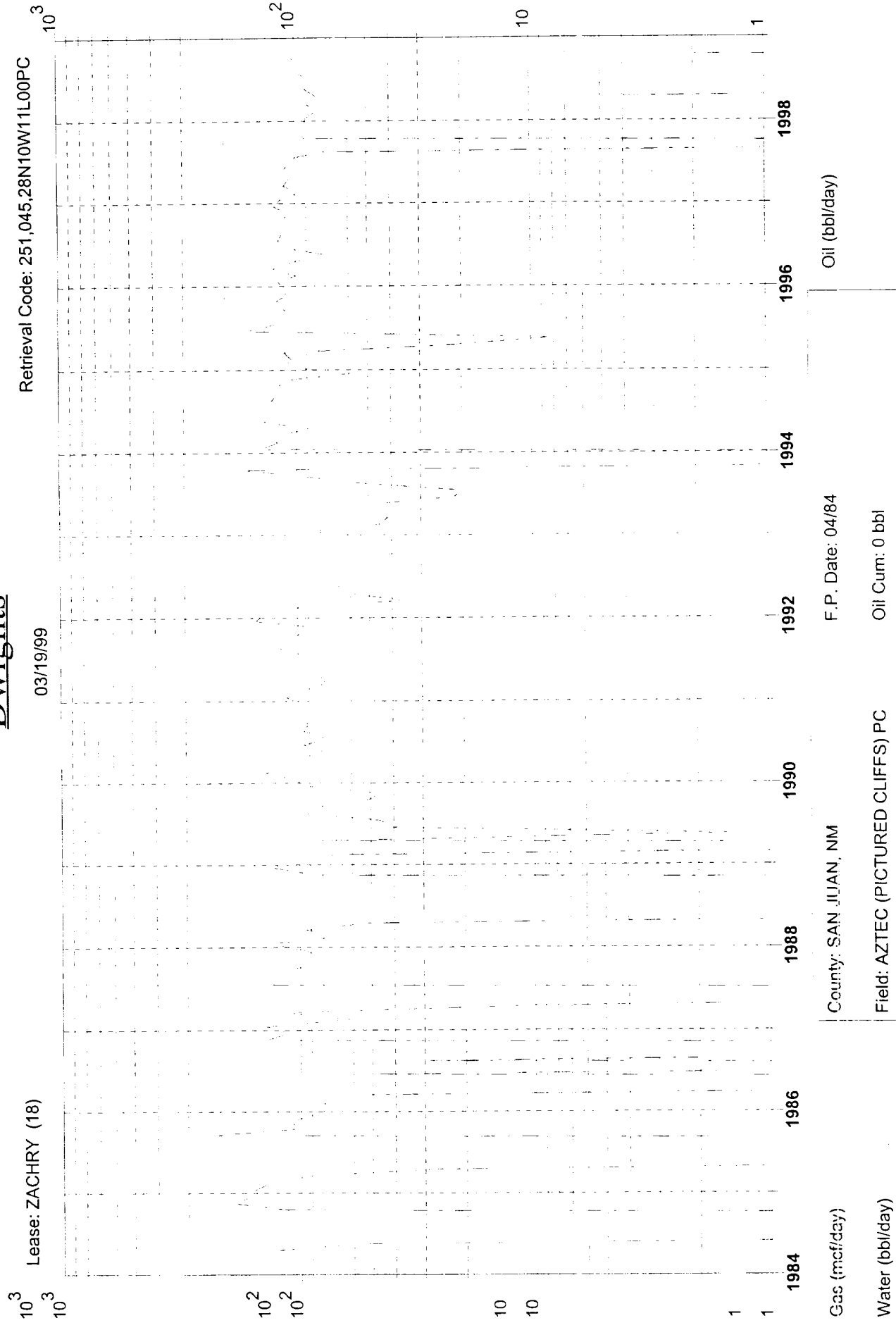
Scale 4" = 1 Mile

Dwights

Lease: ZACHRY (18)

03/19/99

Retrieval Code: 251,045,28N10W11L00PC



F.P. Date: 04/84

Oil Cum: 0 bbl

Gas Cum: 431.4 mmcf

Location: 11L 28N 10W

County: SAN JUAN, NM

Field: AZTEC (PICTURED CLIFFS) PC

Reservoir: PICTURED CLIFFS

Operator: ENERGEN RESOURCES

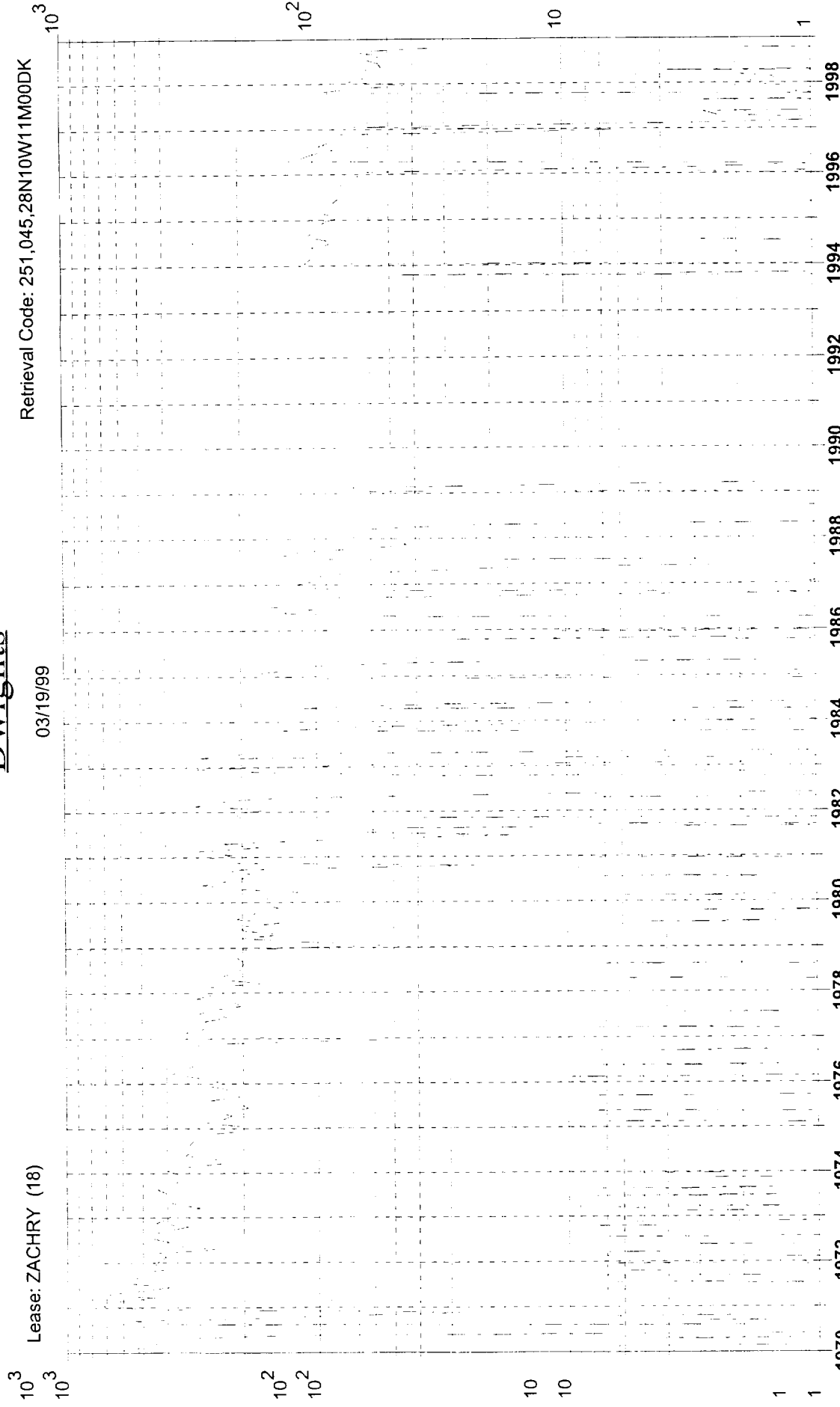
Oil (bbl/day)

Dwights

Lease: ZACHRY (18)

Retrieval Code: 251,045,28N10W11M00DK

03/19/99



F.P. Date: 03/62

County: SAN JUAN, NM

Oil Cum: 24.92 mbbl

Field: BASIN (DAKOTA) DK

Gas Cum: 2624 mmcf

Reservoir: DAKOTA

Location: 11M 28N 10W

Operator: ENERGEN RESOURCES

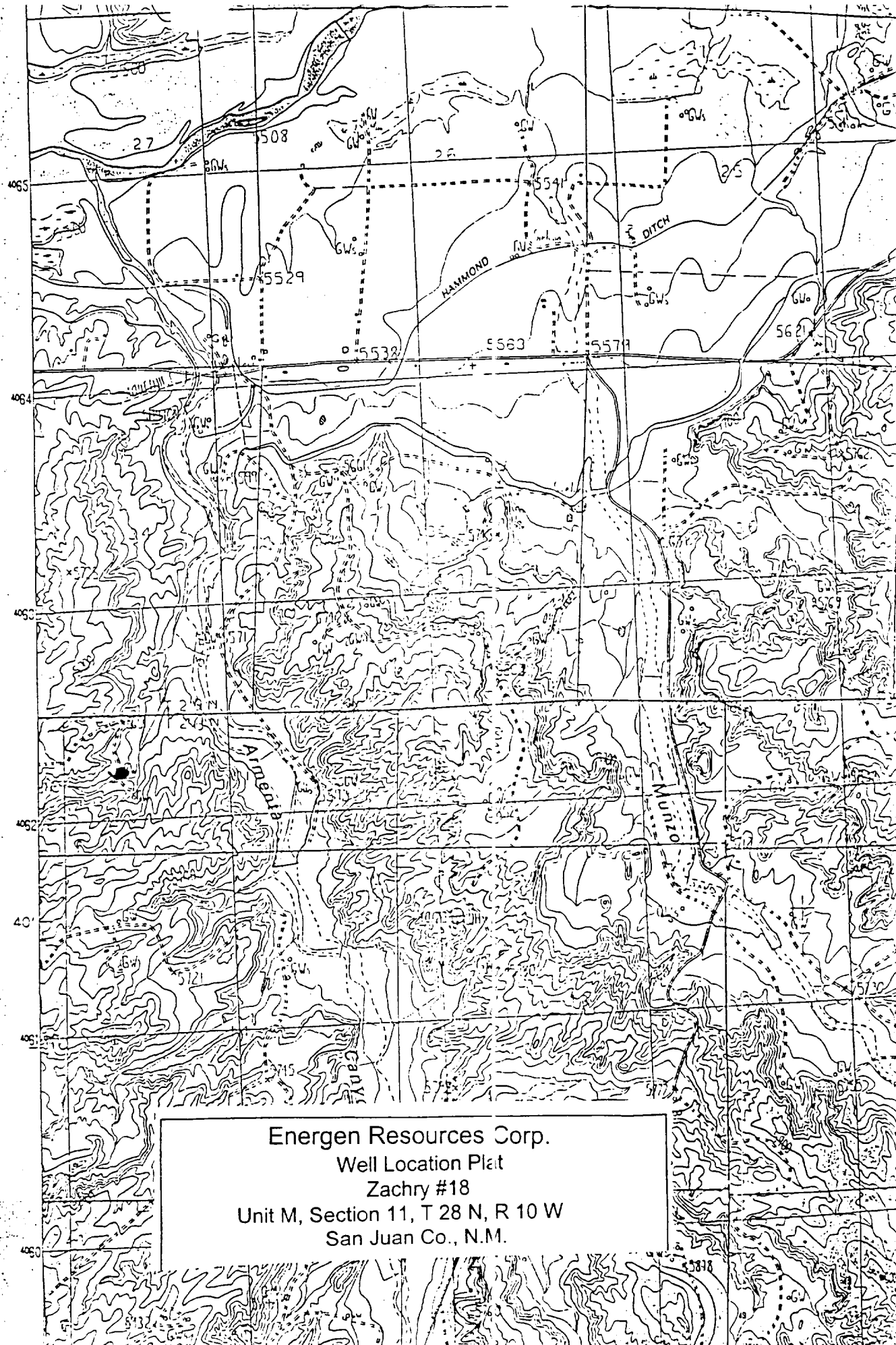
Energen Resources Corp.

Zachry #18
Offset Operator / Ownership Plat
Aztec Pictured Cliffs/ Basin Dakota
Downhole Commingling

Township 28 N, Range 10 W

33 Burlington Resources	34 Burlington Resources Southwest Production, Inc	35 Burlington Resources
10 Burlington Resources	Zachry 18 11	12 Burlington Resources
15 Burlington Resources	14 Burlington Resources	13 Burlington Resources

- 1) Burlington Resources
P.O. Box 4289
Farmington, N.M. 87499-4289
- 2) Southwest Production, Inc.
777 South Central Expwy. Suite 7E
Richardson, Tx. 75080



Energen Resources Corp.
Well Location Plat
Zachry #18
Unit M, Section 11, T 28 N, R 10 W
San Juan Co., N.M.