

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

Operator

2198 Bloomfield Highway, Farmington, NM 87401

Address

Jicarilla 96

1

H

11

26N

3W

Rio Arriba

Lease

Well No.

Unit Ltr. - Sec - Twp - Rge

County

OGRID NO. 162928

Property Code 007165

API NO. 30-039-06601

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	Gavilan PC 77360		Blanco MV 72319
2. Top and Bottom of Pay Section (Perforations)	3585 - 3676		5386 - 5882
3. Type of production (Oil or Gas)	Gas		Gas
4. Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
5. Bottomhole Pressure	a. (Current) 414 Meas.	a.	a. 531 Meas.
Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated Or Measured Original	b. (Original) 1170 Calc.	b.	b. 2018 Calc.
6. Oil Gravity (^o API) or Gas BTU Content)	1222 BTU		1247 BTU
7. Producing or Shut-In?	Shut In		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: 5/96 Rates: 2/30/.5	Date: Rates:	Date: Rates:
* If Producing, give date and oil/gas/water rates of recent test (within 60 days)	Date: Rates:	Date: Rates:	Date: 2/16/99 Rates: 1/180/0
8. Fixed Percentage Allocation Formula - % for each zone	Oil: 17% Gas: 14%	Oil: % Gas: %	Oil: 83% Gas: 86%

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?

If not, have all working, overriding, and royalty interests been notified by certified mail?

Have all offset operators been given written notice of the proposed downhole commingling?

☒ Yes ☐ No
☐ Yes ☐ No
☒ 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. NMOC 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 3/2/99

TYPE OR PRINT NAME Gary Brink

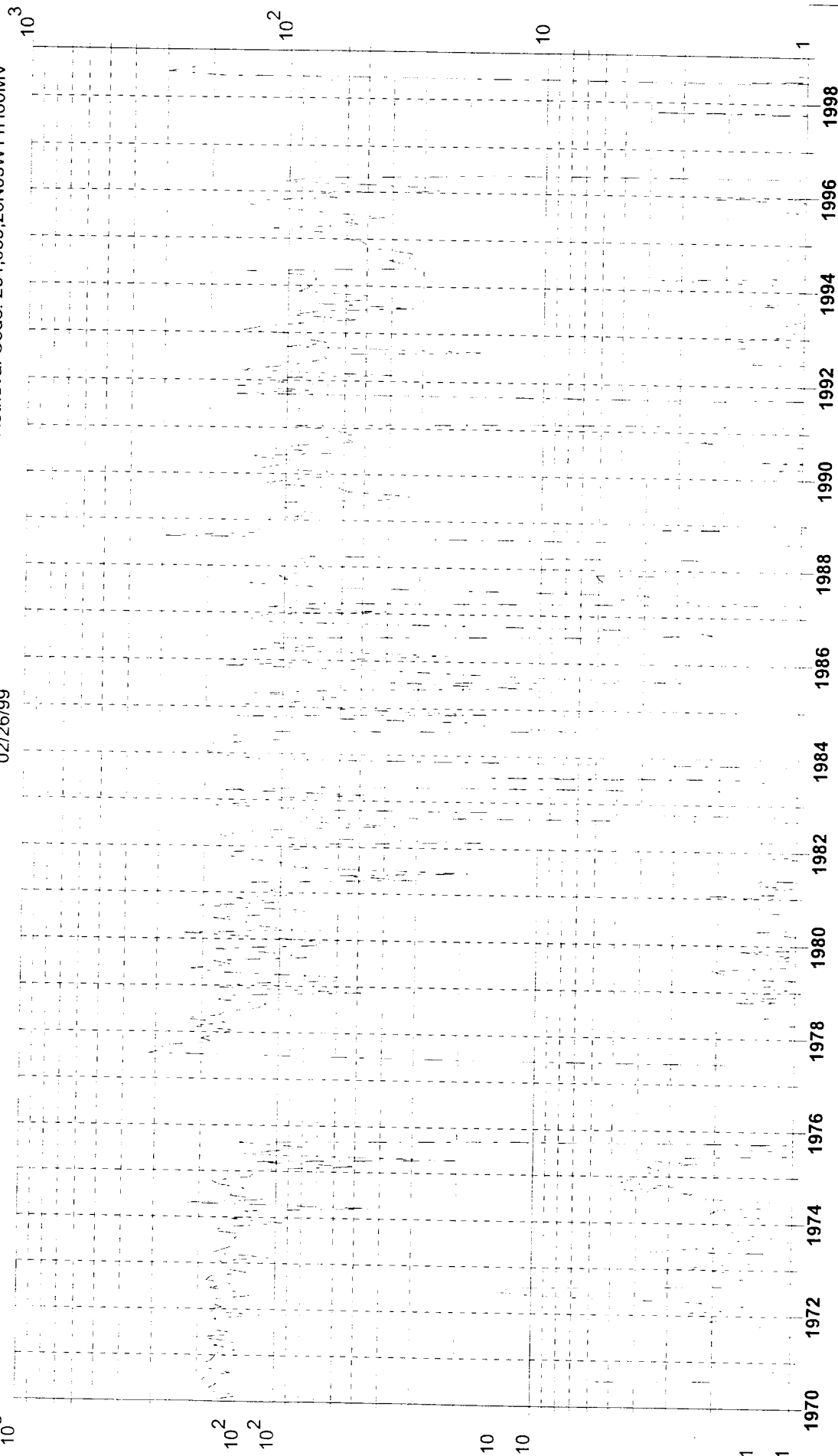
TELEPHONE NO. (505) 325-6800

Dwights

10³ Lease: JICARILLA 96 (1)
10³

Retrieval Code: 251,039,26N03W11H00MV

02/26/99



Gas (mcf/day)

Water (bbl/day)

County: RIO ARRIBA, NM

Field: BLANCO (MESAVERDE) MV

Reservoir: MESAVERDE

Operator: ENERGEN RESOURCES

F.P. Date: 03/57

Oil Cum: 17.88 mbbl

Gas Cum: 1864 mmcf

Location: 11H 26N 3W

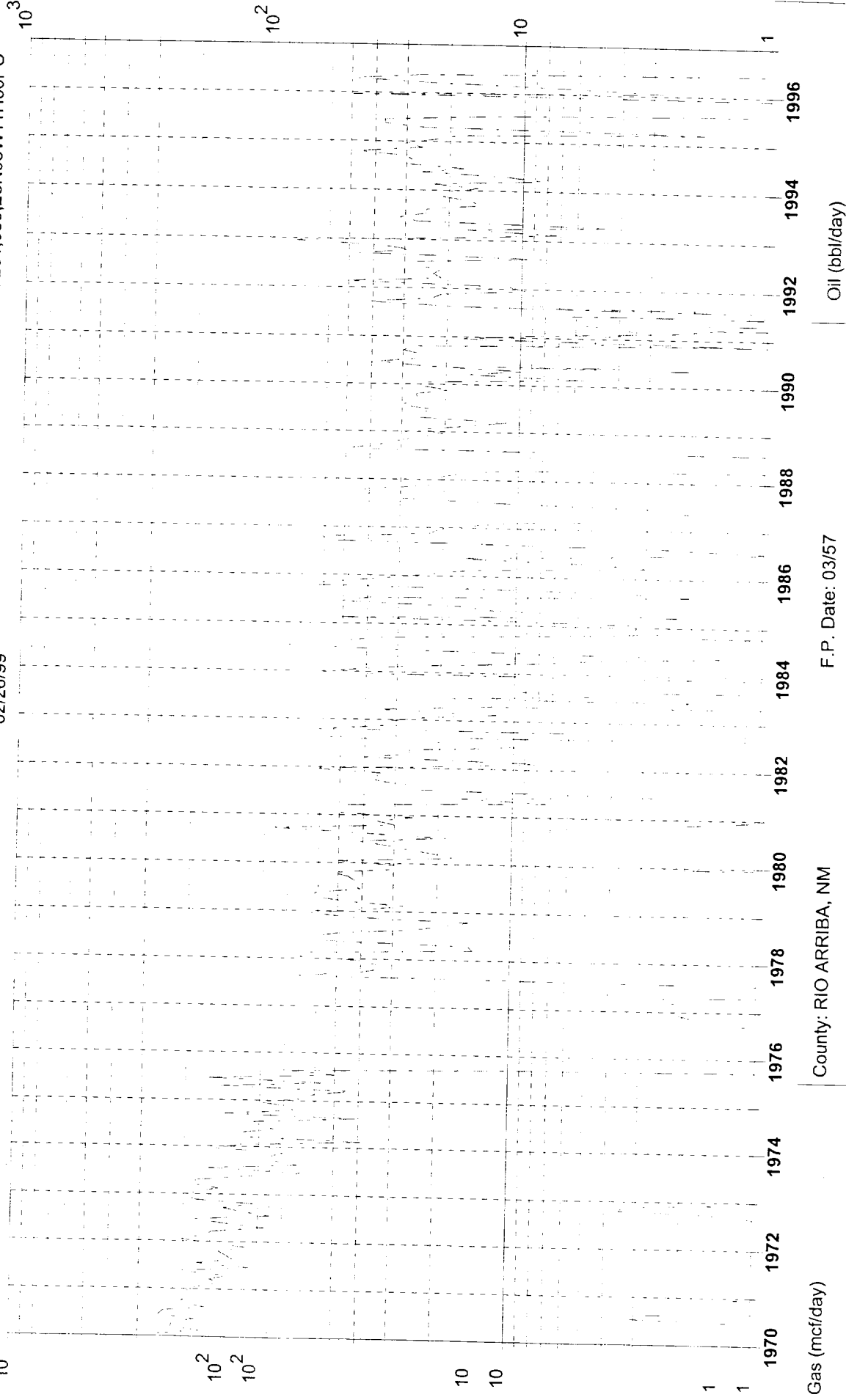
Oil (bbl/day)

Dwights

Lease: JICARILLA 96 (1)

02/26/99

Retrieval Code: 251,039,26N03W11H00PC



Gas (mcf/day)

Water (bbl/day)

F.P. Date: 03/57

County: RIO ARRIBA, NM

Field: GAVILAN (PICTURED CLIFFS) PC

Reservoir: PICTURED CLIFFS

Operator: ENERGEN RESOURCES

Gas Cum: 1408 mmcf

Oil Cum: 7835 bbl

Location: 11H 26N 3W

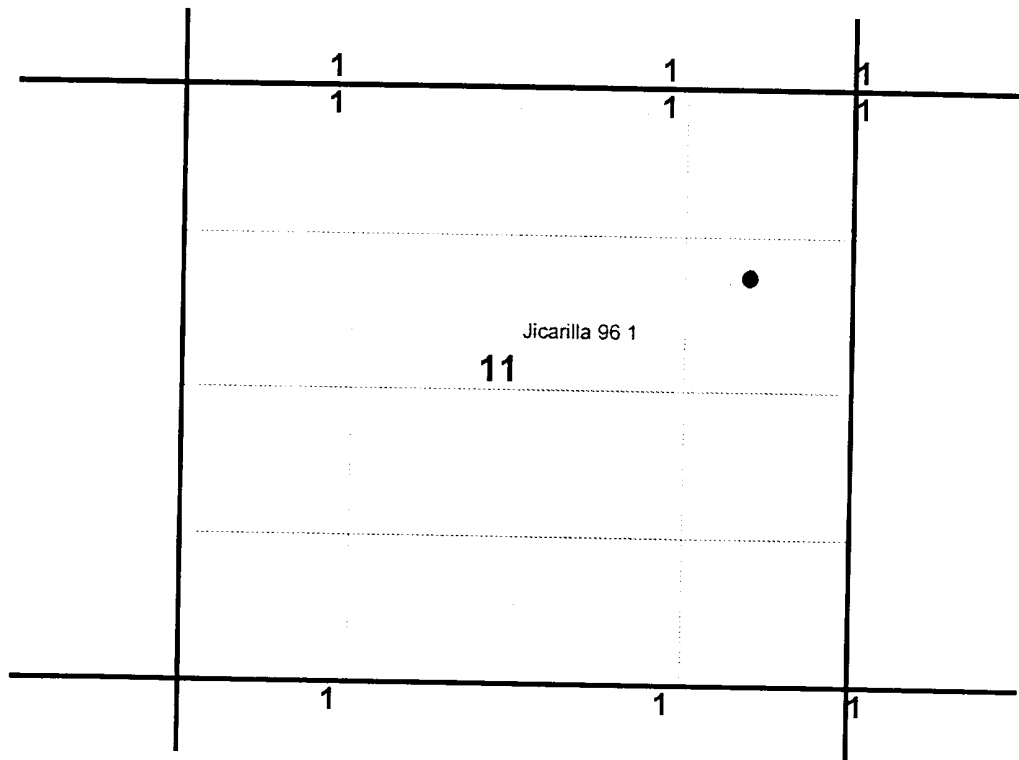
ENERGEN RESOURCES

Jicarilla 96 #1

Offset Operator / Ownership Plat

Gavilan Pictured Cliffs/ Blanco Mesa Verde
Downhole Commingling

Township 26 N, Range 3 W



1) Energen Resources

