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POGO PRODUCING COMPANY

April 20, 1999

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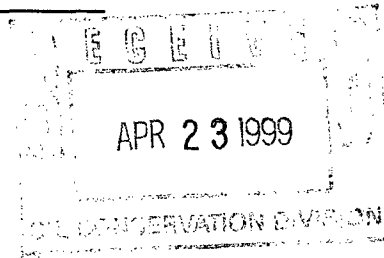
STATE OFFICE
SANTA FE, NEW MEXICO

2337

New Mexico Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
Attention: Mr. David R. Catanach

CERTIFIED MAIL

RE: Forty-Niner Ridge Prospect
Eddy County, New Mexico
Application for Administrative Approval
for Downhole Commingling in the
FNR "26" Federal #1 Well (Pogo Well No. 4231)
Located 660' FSL and 660' FWL
Section 26, T-23-S, R-30-E
Federal Oil and Gas Lease NM-0531277A



Gentlemen:

Pogo Producing Company respectfully submits herewith its application for Administrative Approval for Downhole Commingling of the captioned well. Enclosed please find Form C-107-A with appropriate attachments.

If you have any questions, please contact the undersigned at (915) 685-8127.

Sincerely,

Elizabeth E. Moses
Consulting Landman

Enclosure

cc: New Mexico Oil Conservation Division
Attn: District Supervisor
811 South 1st Street
Artesia, NM 88210

Bureau of Land Management
P.O. Box 27115
Santa Fe, NM 87502-0115

DISTRICT I

P.O. Box 1980, Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals and Natural Resources DepartmentForm C-107-A.
New 3-12-96.

DISTRICT II

811 South First St., Artesia, NM 88210-2835

OIL CONSERVATION DIVISION

2040 S. Pacheco
Santa Fe, New Mexico 87505-6429

APPROVAL PROCESS:

☒ Administrative Hearing .

DISTRICT III

1000 Rio Brazos Rd, Aztec, NM 87410-1693

APPLICATION FOR DOWNHOLE COMMINGLING

EXISTING WELLBORE.

☒ YES NO.

Pogo Producing Company P.O. Box 10340 Midland, TX 79702-7340
Operator Address
FNR "26" 1 M, Sec 26, T-23-S, R-30-E Eddy
Lease Well No. Unit Ltr. - Sec - Twp - Rge County
OGRID NO. 17891 Property Code 23719 API NO. 30-015-30412 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	SE FORTY-NINER RIDGE DELAWARE 96843			FORTY NINER RIDGE BONE SPRING 032836
2. Top and Bottom of Pay Section (Perforations)	7598' - 7617'			9258' - 9415'
3. Type of production (Oil or Gas)	OIL			OIL
4. Method of Production (Flowing or Artificial Lift)	ARTIFICIAL LIFT			ARTIFICIAL LIFT
5. Bottomhole Pressure Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated Or Measured Original	a. (Current) 3500 psi	a.		a. 4050 psi SI
	b. (Original) 3550 psi	b.		b. 4080 psi
6. Oil Gravity (API) or Gas BTU Content	40.8° API			42.8° API
7. Producing or Shut-In?	PRODUCING			SHUT IN
Production Marginal? (yes or 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)	NO			NO
	Date: 3-11-1999 Rates: 20 BO, 118 BW, 48 MCF	Date: Rates:		Date: 11/25/1998 Rates: 44 BO, 29 BW, 44 MCF
	Date: Rates:	Date: Rates:		Date: Rates:
8. Fixed Percentage Allocation Formula - % for each zone (total of %'s to equal 100%)	Oil: 31% Gas: 52%	Oil: % Gas: %		Oil: 69% Gas: 48%

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 (None)

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)

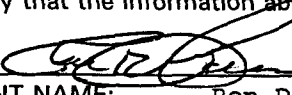
14. If this well is on, or communitized with, state or federal lands, either the Commissioner of Public Lands or the United States Bureau of Land Management has been notified in writing of this application. ☒ Yes ___ No

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:  TITLE: Div. Petr. Engr. Mngr. DATE: _____
TYPE OR PRINT NAME: Ron D. Gasser TELEPHONE NO. (915) 685-8100

DISTRICT I
P.O. Box 1900, Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT II
P.O. Drawer DD, Artesia, NM 86211-0719

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
30-015-30412	96843	S. E. Forty Niner Ridge Delaware
Property Code	Property Name	Well Number
23719	FNR 26 FEDERAL	1
OGRID No.	Operator Name	Elevation
017891	POGO PRODUCING COMPANY	3386

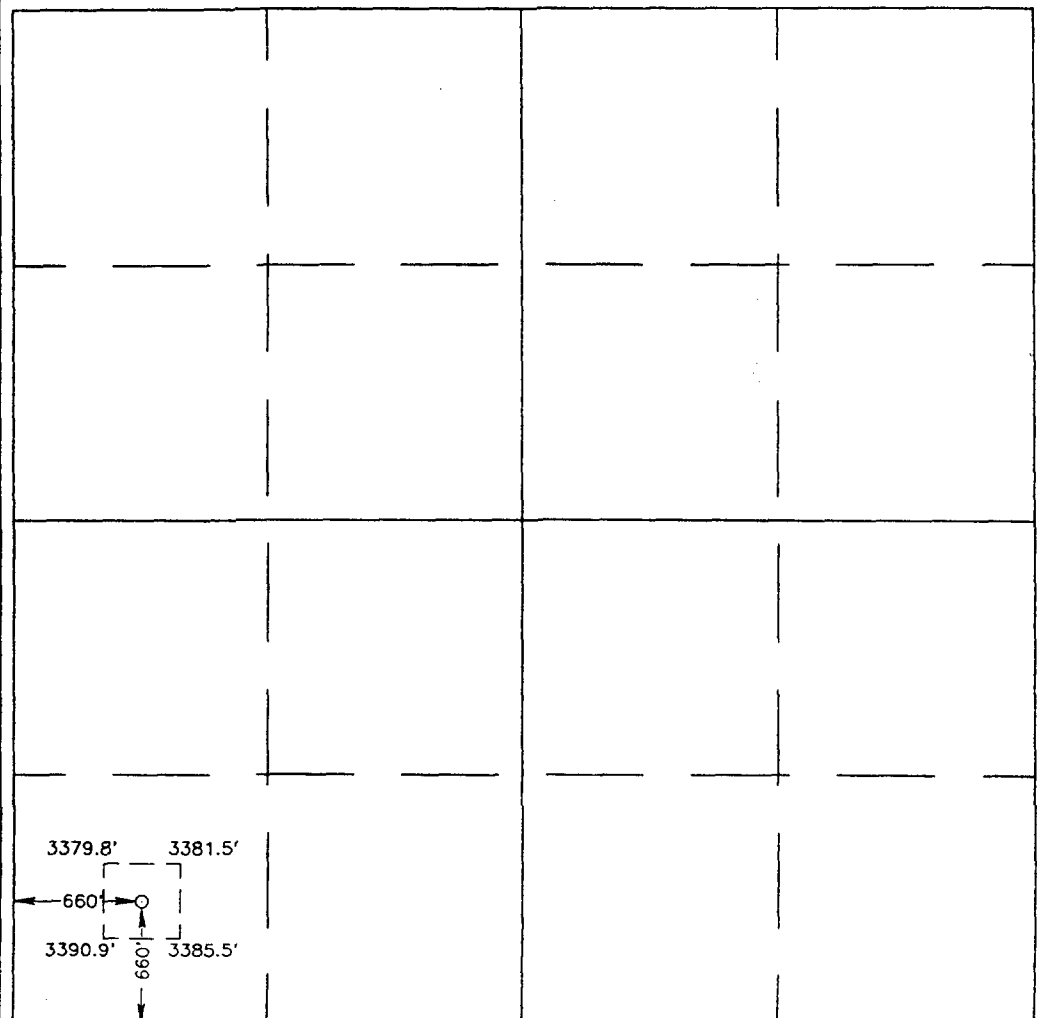
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	26	23 S	30 E		660	SOUTH	660	WEST	EDDY

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
Dedicated Acres	Joint or Infill	Consolidation Code	Order No.						
40									

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

	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Cathy Tomberlin</i> Signature</p> <p>Cathy Tomberlin Printed Name</p> <p>Operations Technician Title</p> <p>04/16/99 Date</p> <p>SURVEYOR CERTIFICATION</p> <p>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.</p> <p><i>Ronald J. Eidson</i> Signature & Seal of Professional Surveyor</p> <p>RONALD J. EIDSON JUL 3 1998 NEW MEXICO PROFESSIONAL SURVEYOR DMCC 8-05-98</p> <p>Certificate No. RONALD J. EIDSON 3239 GARY EIDSON 12641 MACON McDONALD 12185</p>
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DISTRICT I
P.O. Box 1080, Hobbs, NM 88241-1080

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
P.O. BOX 2068, SANTA FE, N.M. 87504-2068

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-30412	Pool Code 032836	Pool Name Forty Niner Rdige Bone Springs
Property Code 23719	Property Name FNR 26 FEDERAL	Well Number 1
OGRID No. 017891	Operator Name POGO PRODUCING COMPANY	Elevation 3386

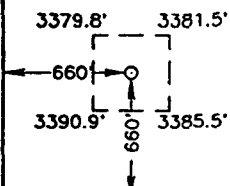
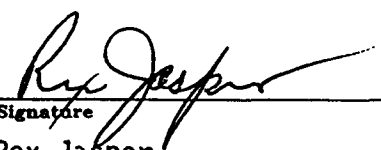
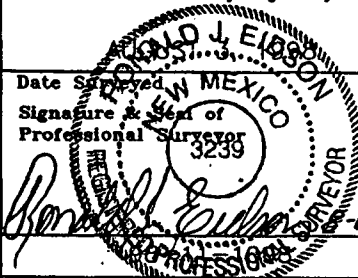
Surface Location

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M	26	23 S	30 E		660	SOUTH	660	WEST	EDDY

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
Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No.						

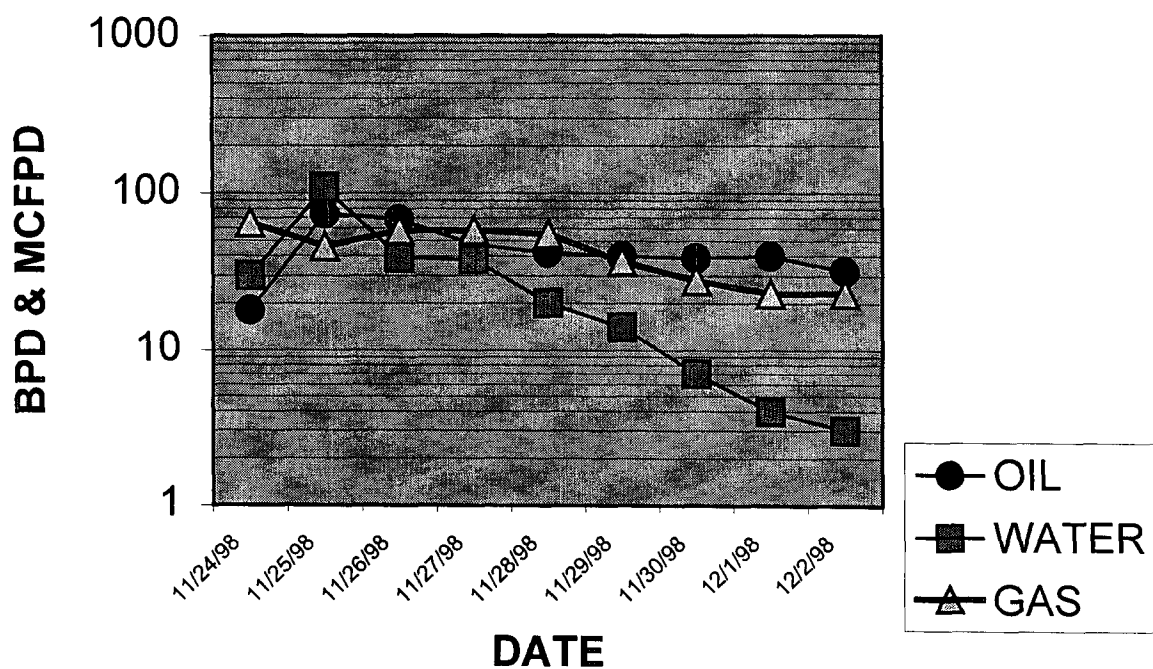
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

					OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.  Signature Rex Jasper Printed Name Division Operations Supervisor Title 03/24/99 Date	
					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 Surveyed Signature & Seal of Professional Surveyor Certificate No. RONALD J. EDSON 3239 GARY EDSON 12641 MACON McDONALD 12185	

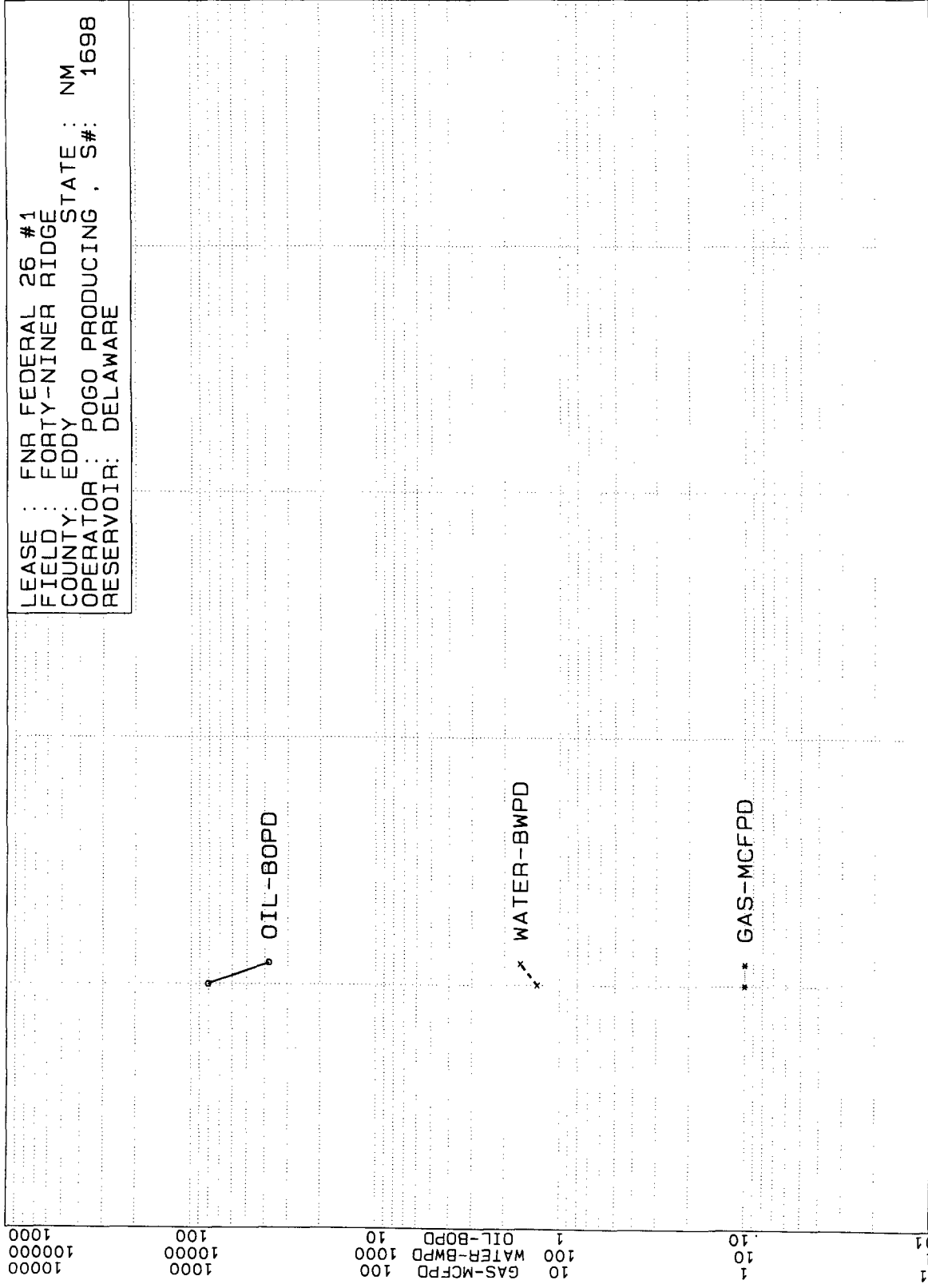
FNR 26 # 1 PRODUCTION REPORT

DATE	OIL	WATER	GAS
11/24/98	18	30	65
11/25/98	74	108	46
11/26/98	68	39	58
11/27/98	47	38	58
11/28/98	42	20	55
11/29/98	40	14	37
11/30/98	39	7	28
12/1/98	40	4	23
12/2/98	32	3	23
AVERAGE	44	29	44

FNR 26 NO. 1 PRODUCTION PLOT BONE SPRINGS FORMATION



LEASE : FNR FEDERAL 26 #1
 FIELD : FORTY-NINER RIDGE
 COUNTY: EDDY STATE : NM
 OPERATOR : POGO PRODUCING , S#: 1698
 RESERVOIR: DELAWARE



DATE 98 99 00 01 02

Pogo Producing Company, OGRID No. 017891

Application for Administrative Approval for Downhole Commingling in the

FNR "26" Federal #1 Well (Property Code 23719)

660' FSL and 660' FWL, Section 26, T-23-S, R-30-E,
Eddy County, New Mexico

Offset Operator Notification:

NONE

