



DHC 6/30/99

2383

**POGO PRODUCING COMPANY**

**CERTIFIED MAIL – RETURN RECEIPT REQUESTED**

June 4, 1999

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

JUN 10 1999

RE: Southeast Red Tank Prospect  
Lea County, New Mexico  
Application for Administrative Approval  
for Downhole Commingling in the  
Red Tank "24" Federal No. 2 Well  
located 2310' FSL and 2310' FWL  
Section 24, T-22-S, R-32-E  
Federal Oil and Gas Lease NM NM81633  
Pogo Lease L20

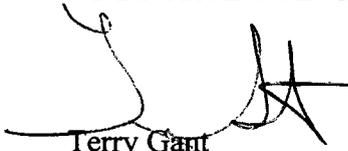
Gentlemen:

Pogo Producing Company respectfully submits Form C-107 (in duplicate), along with attachments thereto, in connection with Pogo's request for Administrative approval to downhole commingle production from the captioned well.

If you have any questions, please give me a call at (915) 685-8120.

Sincerely,

POGO PRODUCING COMPANY



Terry Gant  
Division Landman

Enclosure

cc: New Mexico Oil Conservation Division (w/copy of enclosure)  
Attn: District Supervisor  
P.O. Box 1980  
Hobbs, NM 88240

DISTRICT I

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

DISTRICT II

811 South 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

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

OIL CONSERVATION DIVISION

APPROVAL PROCESS:

Administrative Hearing .

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

EXISTING WELLBORE.

APPLICATION FOR DOWNHOLE COMMINGLING

YES  NO.

Pogo Producing Company P.O. Box 10340 Midland, TX 79702-7340  
Operator Red Tank 24 Federal 2 Address K, Sec 24, T-22-S, R-32-E Lea  
Lease Well No. Unit Ltr. - Sec - Twp - Rge County  
OGRID NO. 17891 Property Code 13274 API NO. 30-025-32320 Spacing Unit Lease Types: (check 1 or more)  
Federal  State  (and/or) Fee

Table with 4 columns: The following facts are submitted in support of downhole commingling, Upper Zone, Intermediate Zone, Lower Zone. Rows include Pool Name and Pool Code, Top and Bottom of Pay Section, Type of production, Method of Production, Bottomhole Pressure, Oil Gravity, Producing or Shut-In?, and Fixed Percentage Allocation.

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: [Signature] TITLE: Div. Petr. Engr. Mgr. DATE: 6-4-99  
TYPE OR PRINT NAME: Ron D. Gasser TELEPHONE NO. (915) 685-8100

DISTRICT I  
P.O. Box 1960, Hobbs, NM 88240

State of New Mexico  
Energy, Minerals and Natural Resources Department

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

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

OIL CONSERVATION DIVISION

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

AMENDED REPORT

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

DISTRICT IV  
PO BOX 2088, SANTA FE, NM 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-32320	Pool Code 51689	Pool Name Red Tank Delaware West
Property Code 13274	Property Name RED TANK "24" FEDERAL	Well Number 2
OGRID No. 17891	Operator Name POGO PRODUCING CO.	Elevation 3721

Surface Location

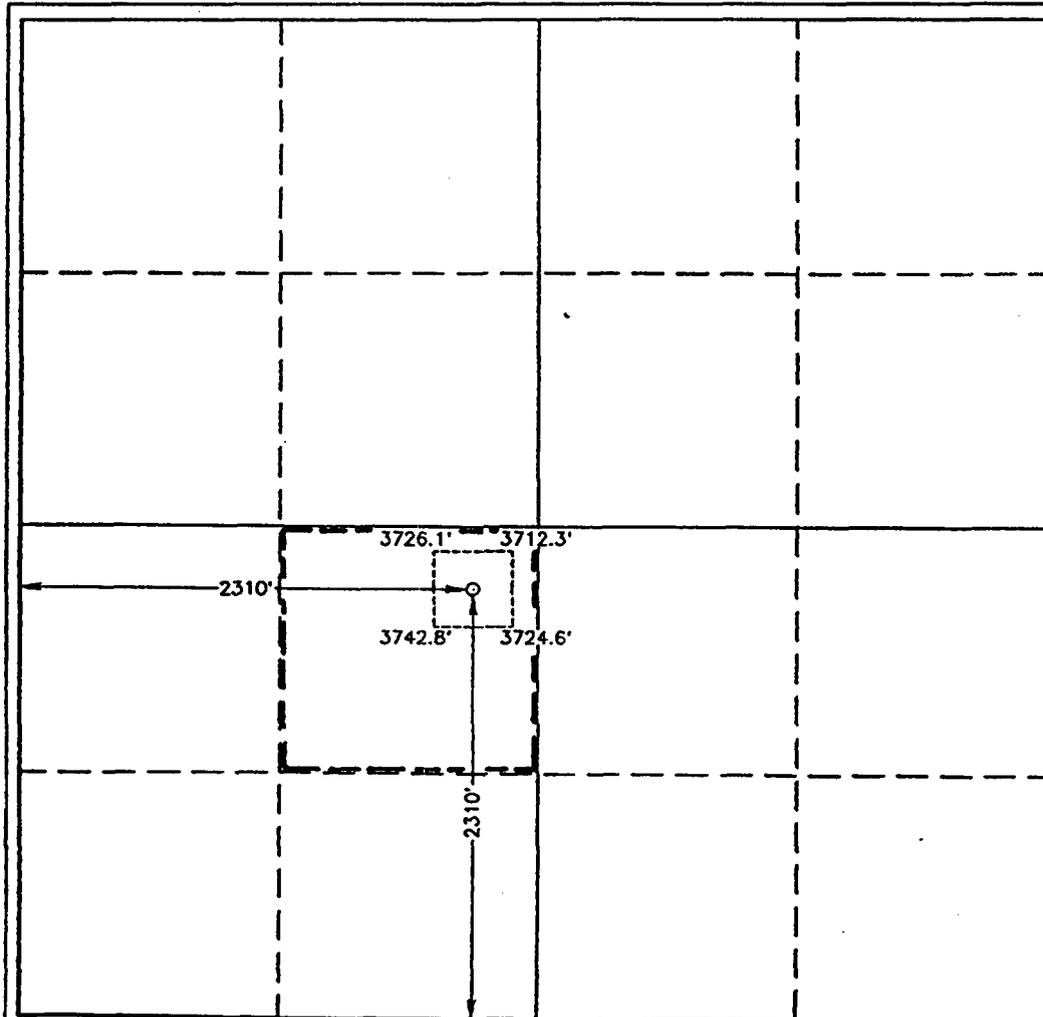
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	24	22 S	32 E		2310	SOUTH	2310	WEST	LEA

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	N		

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 to true and complete to the best of my knowledge and belief.

*Cathy Tomberlin*  
Signature

Cathy Tomberlin  
Printed Name

Operations Technician  
Title

04/22/99  
Date

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**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.

AUGUST 1, 1995

Date Surveyed

Signature of Surveyor  
Professional Surveyor  
NEW MEXICO  
J. EIDSON  
8-04-95

P.O. No. 95-1191

Certification No. 676  
WEST 3239  
EIDSON 12641



**ATTACHMENT TO NMOCD FOR C-107-A**

**ADDITIONAL DATA FOR DOWNHOLE COMMINGLING**

**RED TANK 24 FEDERAL WELL NO. 2**

Pogo Producing Company respectfully submits the following:

This well is currently producing from Delaware Brushy Canyon "C" perforations at 8038'-8057'. The latest gauge from this zone was measured on 5-31-99 which indicated production of 14 BO, 148 BW, and 24 MCF gas in 24 hours. A retrievable bridge plug is currently set at 8301'.

Prior to being completed in the "C" zone, the well had been producing from Brushy Canyon "A" perforations 8448'-8516'. The last test from this zone was taken on 3-14-99 and indicated production of 19 BO, 219 BW, and 22 MCF gas in 24 hours.

For purposes of calculating the Fixed Percentage Allocation Formula for the Delaware zones after commingling, the above test information has been summed to arrive at the total expected Delaware producing rate. This total is 33 BO, 367 BW, and 46 MCF gas in 24 hours.

The last producing rate for the Bone Spring was 22 BO, 0 BW, and 100 MCF gas in 24 hours measured on 1-3-99.

The calculated Fixed Percentage Allocation Formula is based upon the above test information and is calculated as follows:

POOL: RED TANK, WEST DELAWARE		POOL: RED TANK BONE SPRING	
OIL, %	GAS, %	OIL, %	GAS, %
60	32	40	68

**POGO PRODUCING COMPANY (OGRID NO. 017891)**

**ADMINISTRATIVE APPROVAL REQUESTED TO DOWNHOLE  
COMMINGLE IN THE  
COVINGTON A FEDERAL WELL NO. 10 (PROPERTY CODE 9316)  
UNIT O, SEC 25, T-22-S, R-32-E, LEA COUNTY, NEW MEXICO**

**OFFSET NOTIFICATION LIST:**

**Burlington Resources Oil & Gas Company  
P.O. Box 51810  
Midland, TX 79710-1810**

**Strata Production Company  
200 West First Street  
Roswell Petroleum Building, Suite 700  
Roswell, New Mexico 88201**

**Bureau of Land Management  
Roswell District Office  
2909 W. 2nd Street  
Roswell, New Mexico 88201  
Attn: Mr. Larry Bray**

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised February 10, 1994  
Instruction on back  
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State Lease - 4 Copies  
Fee Lease - 3 Copies

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

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

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PO BOX 2088, SANTA FE, NM 87504-2088

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Property Code	Property Name RED TANK "24" FEDERAL	Well Number 2
OGRID No. 17891	Operator Name POGO PRODUCING CO.	Elevation 3721

Surface Location

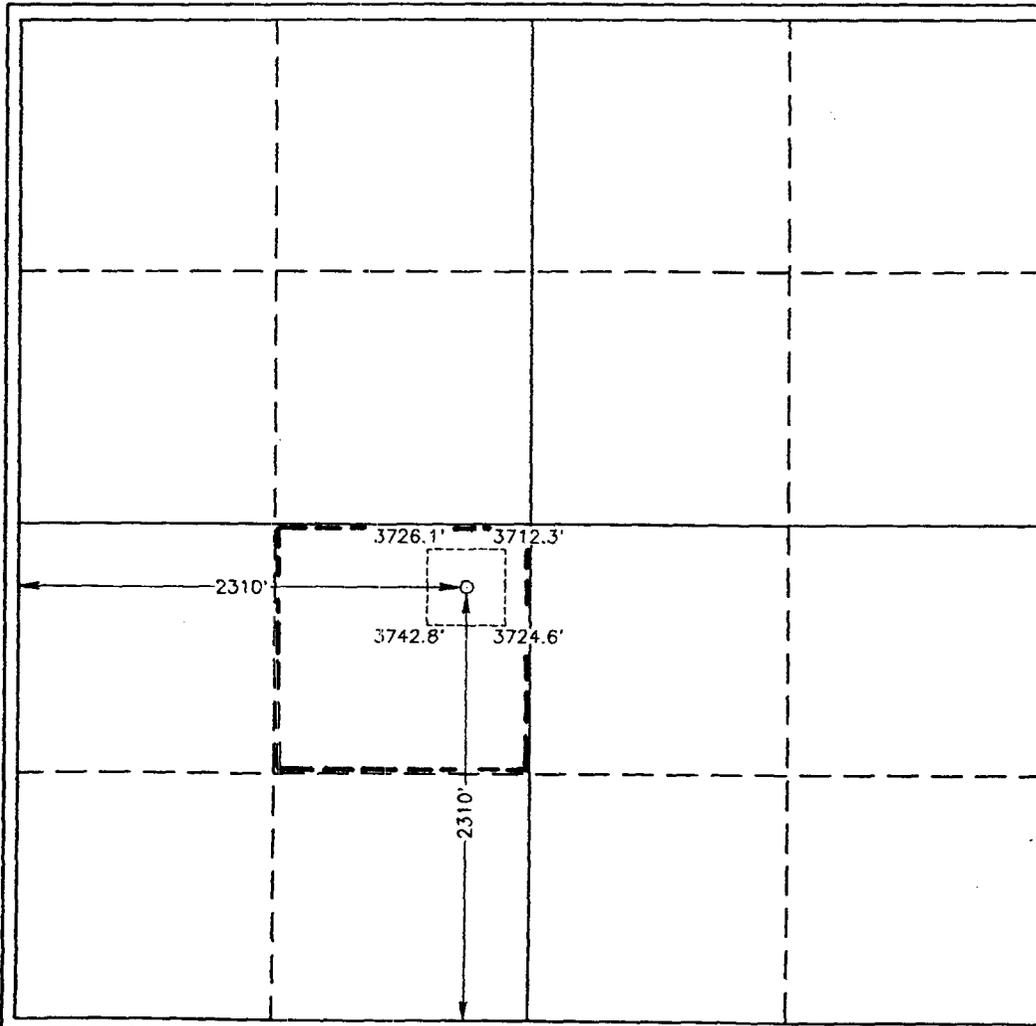
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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40	N		

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OPERATOR CERTIFICATION

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

*Arthur R. Brown*  
Signature

Arthur R. Brown  
Printed Name

Agent  
Title

August 8, 1995  
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.

AUGUST 1, 1995

Date Surveyed SJA

Signature of Surveyor

Professional Surveyor

NEW MEXICO

3239 8-04-95

P.O. No. 95-1191

John C. Eidsen

WEST 676

3239

12641