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DHC

4/11/01



**POGO PRODUCING COMPANY**

*2002*

March 20, 2001



VIA CM RRR 7099 3220 0005 5521 1193  
New Mexico Oil Conservation Division  
Attn: Mr. David R. Catanach  
2040 South Pacheco Street  
Santa Fe, New Mexico 87505

Re: RED TANK, SE PROSPECT  
Lea County, New Mexico  
APPLICATION FOR ADMINISTRATIVE APPROVAL FOR DOWNHOLE COMMINGLING  
Red Tank 23 Federal № 1 Well  
360' FSL and 660' FEL, Section 23, T-22-S, R-32-E, N.M.P.M.  
Federal Oil and Gas Lease NMNM-69375  
Pogo Lease L16

Gentlemen:

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

Should you have any questions regarding this matter, please give me a call at (915) 685-8120.

Sincerely,

~~POGO PRODUCING COMPANY~~

*[Handwritten signature]*  
Terry Gant  
Division Landman

Enclosures

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

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

District I  
1625 N. French Drive, Hobbs, NM 88240

District II  
811 South First Street, Artesia, NM 88210

District III  
Well  
1000 Rio Brazos Road, Aztec, NM 87410

District IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION  
2040 South Pacheco

Santa Fe, New Mexico 87505

Form C-107A  
Revised May 15, 2000

APPLICATION TYPE  
 X  Single

\_\_\_ Establish Pre-Approved Pools  
EXISTING WELLBORE  
 X  Yes \_\_\_ No

APPLICATION FOR DOWNHOLE COMMINGLING

Pogo Producing Company	P. O. Box 10340	Midland, TX 79702-7340
Operator Red Tank 23 Federal	1	Address P, Sec 23, T-22-S, R-32-E Lea
Lease 017891	Well No. 9340	Unit Letter-Section-Township-Range 30-025-31695 County X
OGRID No. _____	Property Code _____	API No. _____ Lease Type: ___ Federal ___ State ___ Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Red Tank; Delaware, West		Red Tank; Bone Spring
Pool Code	51689		51683
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	4946' - 8656'		9932' - 9948'
Method of Production (Flowing or Artificial Lift)	Artificial Lift		Artificial Lift
Bottomhole Pressure <small>(Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)</small>	Current: 300 psi Producing (e) Original: 3218 psi Shut-In		Current: 1500 psi Shut-In (e) Original: 3637 psi Shut-In
Oil Gravity or Gas BTU <small>(Degree API or Gas BTU)</small>	41.8 degrees API		42.7 degrees API
Producing, Shut-In or New Zone	Producing		Shut-In
Date and Oil/Gas/Water Rates of Last Production. <small>(Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.)</small>	Date: 2-18-01 Rates: 12 BO, 102 BW, 60 MCF	Date: Rates:	Date: 2-21-93 Rates: 36 BO, 14 BW, 47 MCF
Fixed Allocation Percentage <small>(Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)</small>	Oil                  Gas 25 %                  56 %	Oil                  Gas %                      %	Oil                  Gas 75 %                  44 %

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes  X  No \_\_\_  
 If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Yes \_\_\_ No \_\_\_

Are all produced fluids from all commingled zones compatible with each other? Yes  X  No \_\_\_

Will commingling decrease the value of production? Yes \_\_\_ No  X

If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application? Yes  X  No \_\_\_

NMOCD Reference Case No. applicable to this well: \_\_\_\_\_

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 working, royalty and overriding royalty interests for uncommon interest cases.
- Any additional statements, data or documents required to support commingling.

PRE-APPROVED POOLS

If application is to establish Pre-Approved Pools, the following additional information will be required:

- List of other orders approving downhole commingling within the proposed Pre-Approved Pools
- List of all operators within the proposed Pre-Approved Pools
- Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.
- Bottomhole pressure data.

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

SIGNATURE  Ron D. Gasser  TITLE  Div. Petroleum Engineering Mgr.  DATE  3-20-2001   
 TYPE OR PRINT NAME  Ron D. Gasser  TELEPHONE NO.  915 685-8100

Submit to Appropriate  
District Office  
State Lease - 4 copies  
Fee Lease - 3 copies

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised 1-1-86

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator <b>POGO PRODUCING CO.</b>		Lease <b>RT 23 FEDERAL</b>		Well No. <b>1</b>
Unit Letter <b>P</b>	Section <b>23</b>	Township <b>22 SOUTH</b>	Range <b>32 EAST</b> NMPM	County <b>LEA</b>

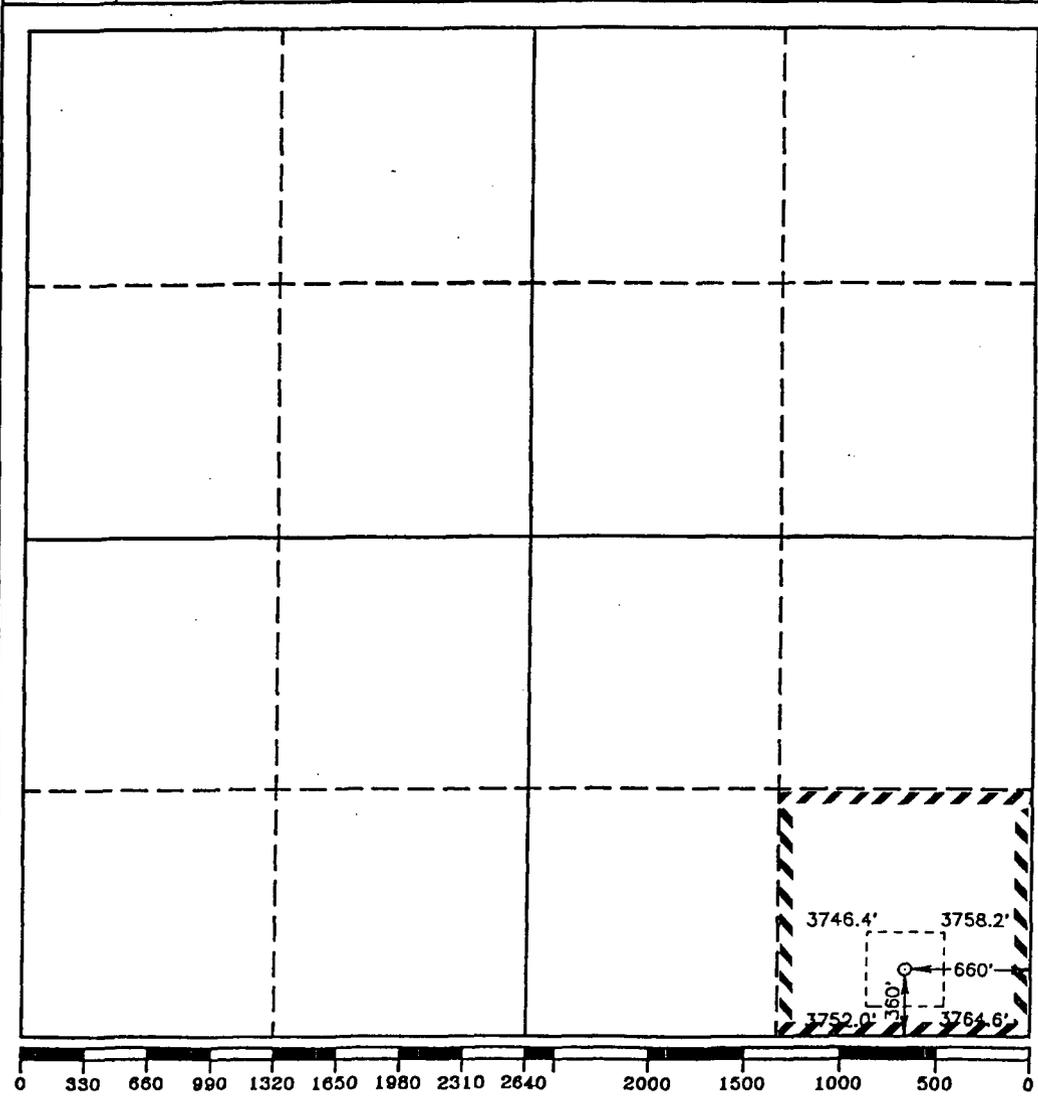
Actual Footage Location of Well:

<b>360</b> feet from the <b>SOUTH</b> line and	<b>660</b> feet from the <b>EAST</b> line
Ground Level Elev. <b>3757.6'</b>	Producing Formation <b>Delaware</b>
Pool <b>Red Tank; Delaware, West</b>	Dedicated Acreage: <b>40</b> Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
  - Yes       No      If answer is "yes" type of consolidation \_\_\_\_\_

If answer is "no" list of owners and tract descriptions which have actually been consolidated. (Use reverse side of this form necessary.)

No allowable will be assigned to the well unit all interests have been consolidated (by communitization, unitization, forced-pooling, otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

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

*Barrett L. Smith*  
Signature  
**Barrett L. Smith**  
Printed Name  
**Sr. Oper. Engineer**  
Position  
**Pogo Producing Company**  
Company  
**April 20, 1993**  
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 knowledge and belief.

**AUGUST 03, 1992**  
Date Surveyed  
Signature & Seal of Professional Surveyor

**GARY L. JONES**  
NEW MEXICO  
Professional Surveyor  
Certificate No. **JOHN W. WEST, 876**  
**RONALD E. JOHNSON, 3239**  
**GARY L. JONES, 7977**  
**92-111-106**

Submit to Appropriate  
 District Office  
 State Lease - 4 copies  
 Fee Lease - 3 copies

State of New Mexico  
 Energy, Minerals and Natural Resources Department

Form C-102  
 Revised 1-1-89

**OIL CONSERVATION DIVISION**

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brasos Rd., Artec, NM 87410

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

All Distances must be from the outer boundaries of the section

Operator <b>POGO PRODUCING CO.</b>			Lease <b>RT 23 FEDERAL</b>			Well No. <b>1</b>		
Unit Letter <b>P</b>	Section <b>23</b>	Township <b>22 SOUTH</b>	Range <b>32 EAST</b>	County <b>NMPM</b>		<b>LEA</b>		
Actual Footage Location of Well: <b>360</b> feet from the <b>SOUTH</b> line and <b>660</b> feet from the <b>EAST</b> line								
Ground Level Elev. <b>3757.6'</b>	Producing Formation <b>BONE SPRING</b>			Pool <b>RED TANK BONE SPRINGS</b>		Dedicated Acreage: <b>40</b> Acres		

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
 

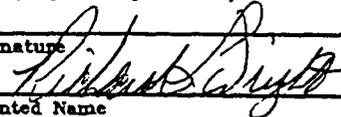
Yes       No      If answer is "yes" type of consolidation \_\_\_\_\_

If answer is "no" list of owners and tract descriptions which have actually been consolidated. (Use reverse side of this form necessary.)

No allowable will be assigned to the well unit all interests have been consolidated (by communitization, unitization, forced-pooling, otherwise) or until a non-standard unit, eliminating such interest, 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  


Printed Name  
**Richard L. Wright**

Position  
**Division Operations Supr**

Company  
**POGO PRODUCING COMPANY**

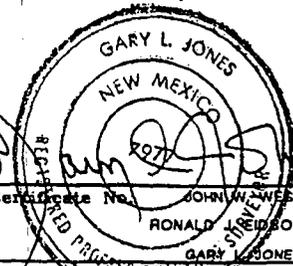
Date  
**September 8, 1992**

**SURVEYOR CERTIFICATION**

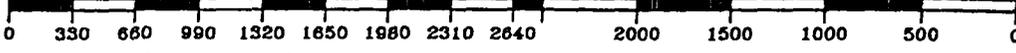
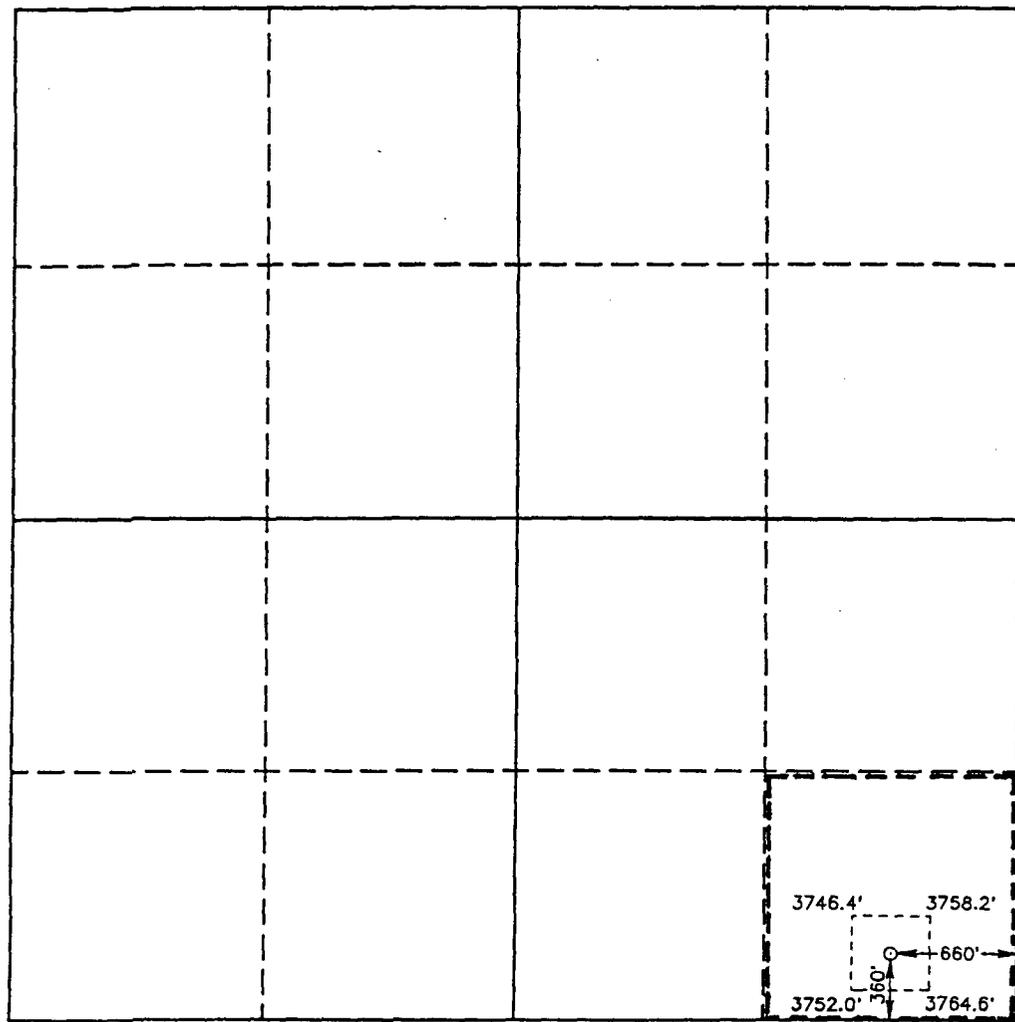
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed  
**AUGUST 03, 1992**

Signature & Seal of Professional Surveyor



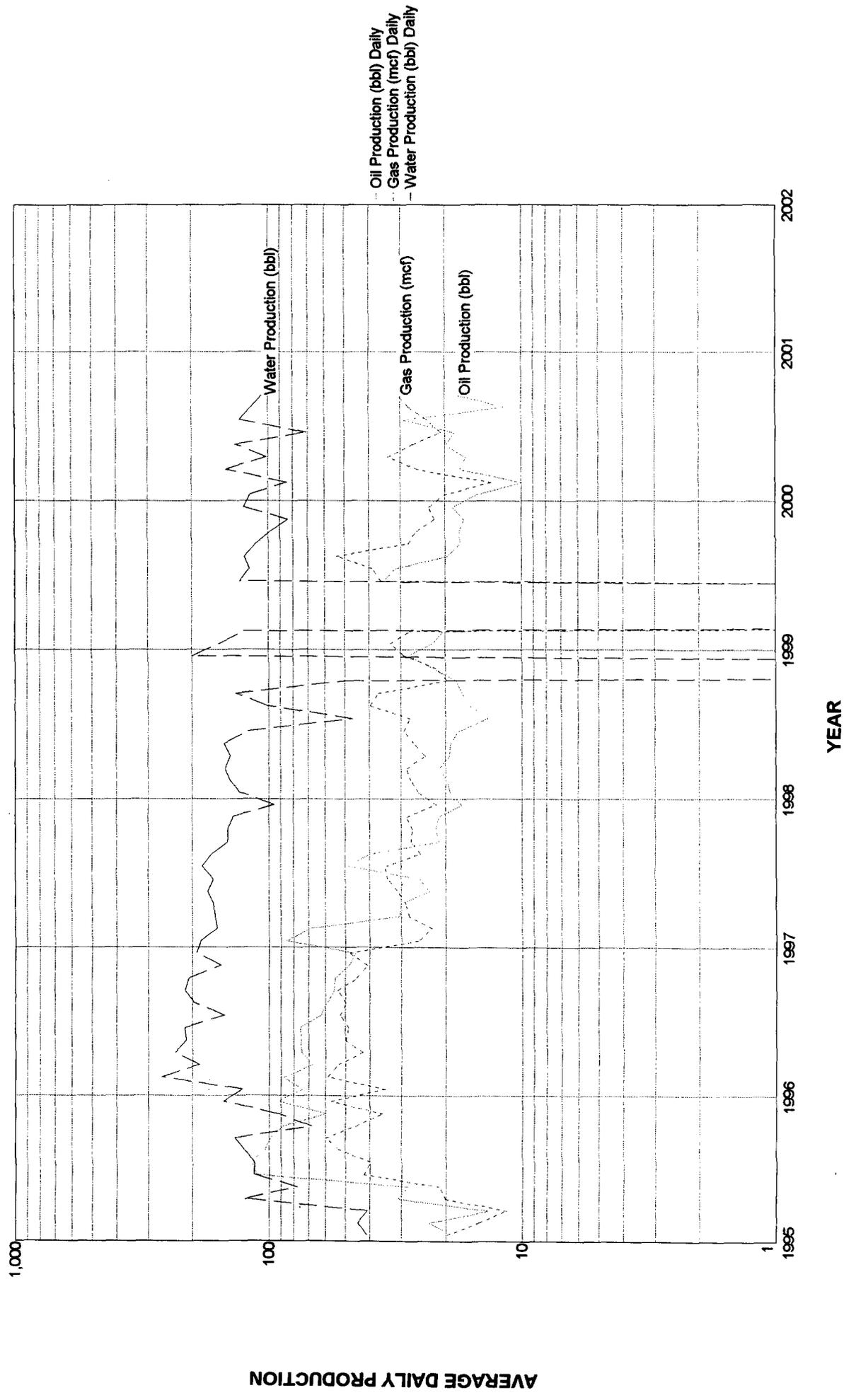
Certificate No. **JOHN W. WEST, 676**  
**RONALD J. REIDSON, 3239**  
**GARY L. JONES, 7977**



92-11-106

Lease Name: RED TANK 23 FEDERAL  
County, State: LEA, NM  
Operator: POGO PRODUCING COMPANY  
Field: RED TANK WEST  
Reservoir: DELAWARE  
Location: 23 22S 32E SE SE

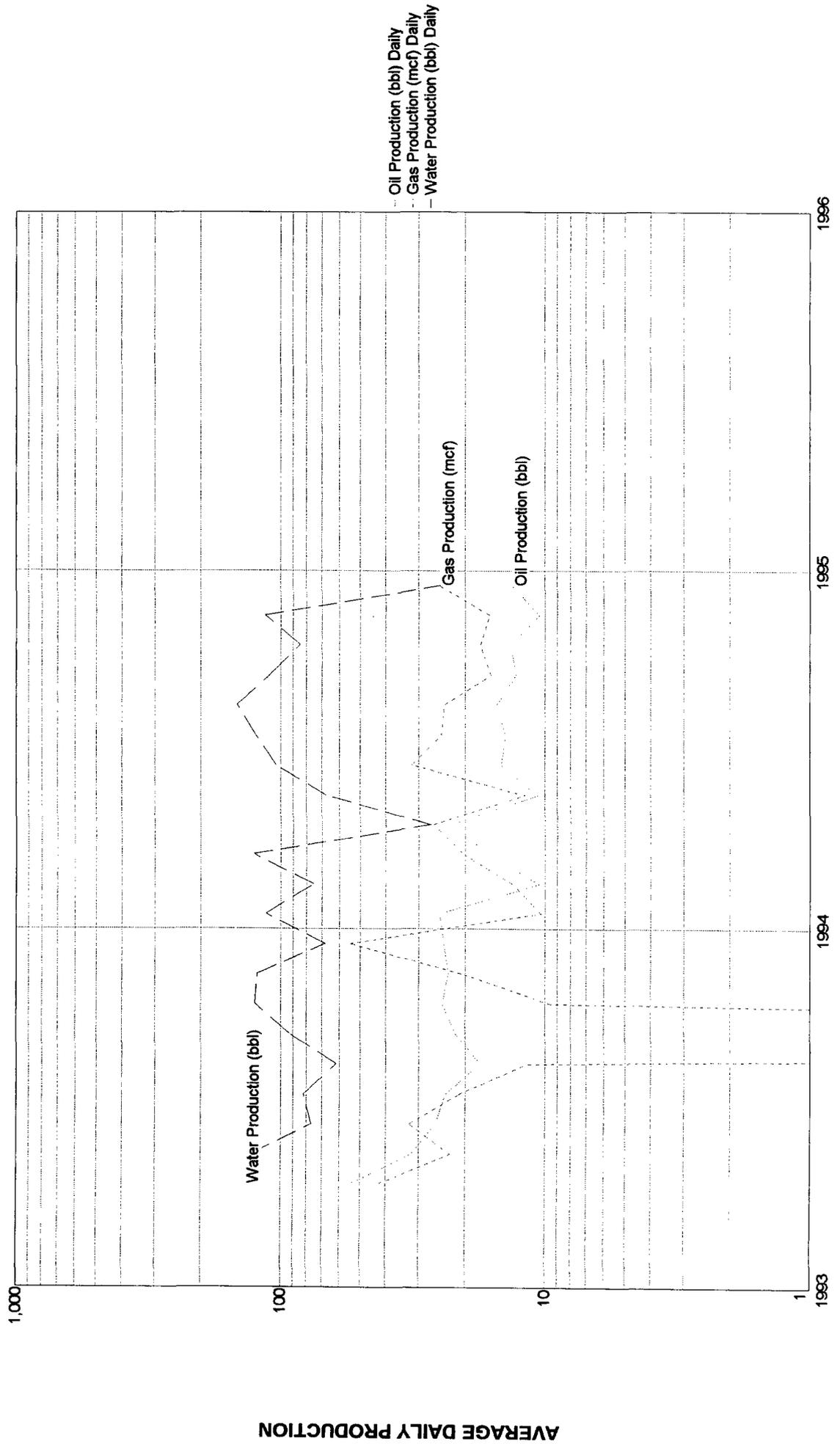
WELL NUMBER 1



AVERAGE DAILY PRODUCTION

Lease Name: RED TANK 23 FEDERAL  
 County, State: LEA, NM  
 Operator: POGO PRODUCING COMPANY  
 Field: LEA  
 Reservoir: GROUP 5  
 Location: 23 22S 32E SE SE

**WELL NUMBER 001**



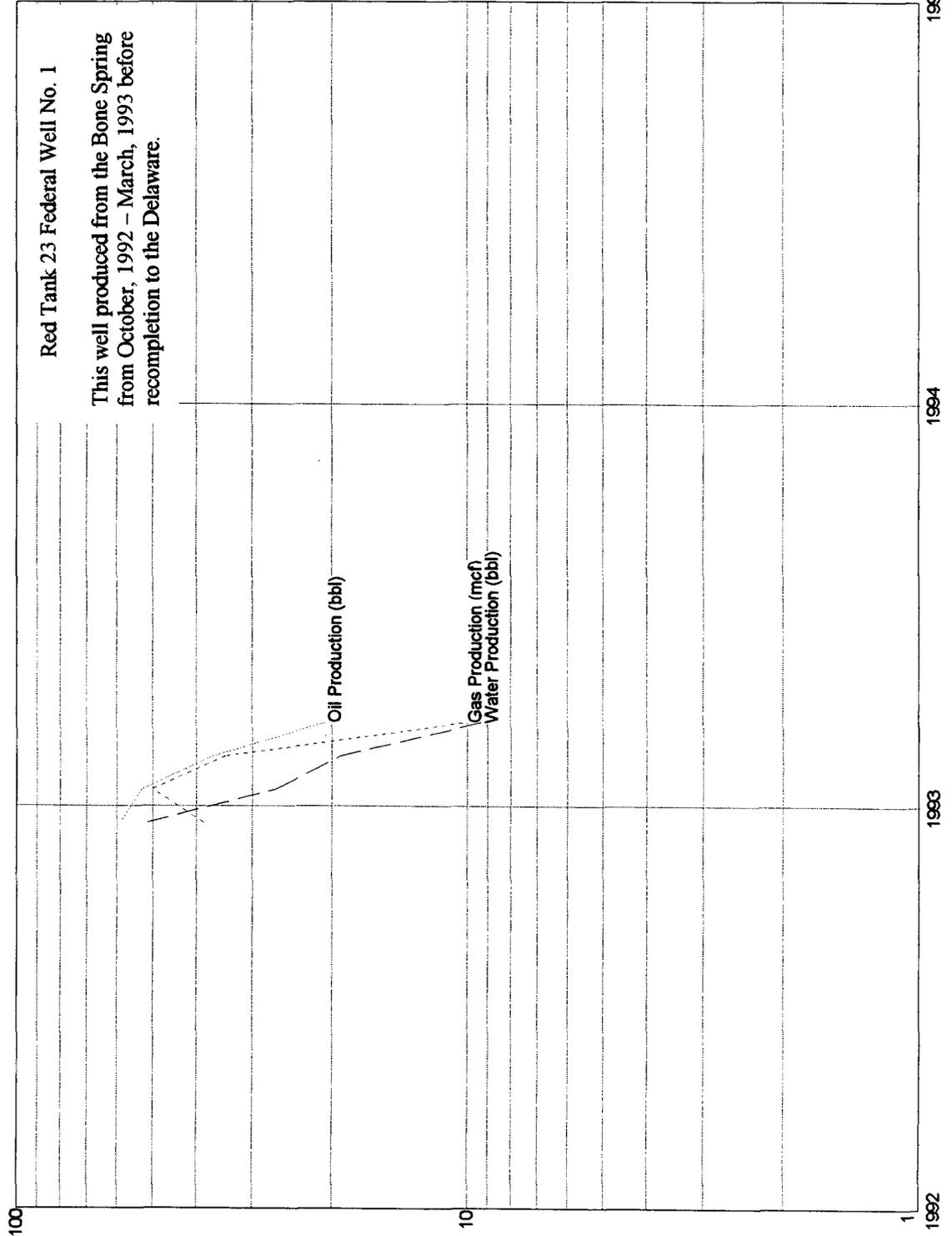
Lease Name: RED TANK 23 FEDERAL  
 County, State: LEA, NM  
 Operator: POGO PRODUCTION COMPANY  
 Field: RED TANK  
 Reservoir: BONE SPRINGS  
 Location: 23 22S 32E SE SE

**WELL NUMBER 001**

Red Tank 23 Federal Well No. 1

This well produced from the Bone Spring from October, 1992 - March, 1993 before recompletion to the Delaware.

**AVERAGE DAILY PRODUCTION**



Oil Production (bbl) Daily  
 Gas Production (mcf) Daily  
 Water Production (bbl) Daily

100  
10  
1  
1992 1993 1994 1995

**YEAR**