

ABOVE THIS LINE FOR DIVISION USE ONLY

**NEW MEXICO OIL CONSERVATION DIVISION**  
**- Engineering Bureau -**  
 1220 South St. Francis Drive, Santa Fe, NM 87505



**ADMINISTRATIVE APPLICATION CHECKLIST**

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

**Application Acronyms:**

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]  
 [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]  
 [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]  
 [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]  
 [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]  
 [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] **TYPE OF APPLICATION - Check Those Which Apply for [A]**

[A] Location - Spacing Unit - Simultaneous Dedication  
☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement  
☒ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery  
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

[D] Other: Specify \_\_\_\_\_

[2] **NOTIFICATION REQUIRED TO: - Check Those Which Apply, or ☐ Does Not Apply**

- [A] ☐ Working, Royalty or Overriding Royalty Interest Owners
- [B] ☐ Offset Operators, Leaseholders or Surface Owner
- [C] ☐ Application is One Which Requires Published Legal Notice
- [D] ☐ Notification and/or Concurrent Approval by BLM or SLO  
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F] ☐ Waivers are Attached

[3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate and complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

**Note:** Statement must be completed by an Individual with managerial and/or supervisory capacity.

Print or Type Name

Signature

Title

Date

e-mail Address



**POGO PRODUCING COMPANY**

August 9, 2005

New Mexico Oil Conservation Division  
Attn: Mr. David R. Catanach  
1220 South St. Francis Drive  
Santa Fe, New Mexico 87505

**RECEIVED**

VIA CM RRR 7160 3901 9848 5473 9082

AUG 16 2005

OIL CONSERVATION  
DIVISION

Re: CEDAR CANYON PROSPECT  
Eddy County, New Mexico

**APPLICATION FOR ADMINISTRATIVE APPROVAL FOR DOWNHOLE COMMINGLING**

River Bend 23 Federal № 16 Well

1,830' FSL and 1,980' FEL, Unit J, Section 23, T-24-S, R-29-E, N.M.P.M.

Pogo Lease № L696

Gentlemen:

Pogo Producing Company hereby 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. A copy of this application, along with all attachments thereto, has been sent to the Bureau of Land Management.

Should you have any questions regarding this matter, please contact Mr. Mark Kelley at (432) 685-8100.

Very truly yours,

POGO PRODUCING COMPANY

  
Terry Gant  
Land Manager

TG/dkr

Enclosures

cc (w/copies of enclosures):

New Mexico Oil Conservation Division  
Attn: District Supervisor  
1301 West Grand Avenue  
Artesia, New Mexico 88210-2834

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  
1301 West Grand Ave. Artesia, NM 88210

District III  
1000 Rio Brazos Road, Aztec, NM 87410

District IV  
1220 South St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources Department

RECEIVED

Form C-107A  
Revised May 15, 2000

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505

AUG 16 2005

OIL CONSERVATION  
DIVISION

APPLICATION TYPE

☒ Single Well

☐ Establish Pre-Approved Pools

EXISTING WELLBORE

☒ Yes ☐ No

APPLICATION FOR DOWNHOLE COMMINGLING

Pogo Producing Company

P. O. Box 10340

Midland, TX 79702-7340

Operator  
River Bend 23 Federal

16

Address  
J, Sec 23, T-24-S, R-29-E

Eddy

Lease  
017891

Well No.  
20875

Unit Letter-Section-Township-Range  
30-015-33598

County

OGRID No. \_\_\_\_\_ Property Code \_\_\_\_\_ API No. \_\_\_\_\_ Lease Type: ☒ Federal ☐ State ☐ Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Cedar Canyon, Delaware		EAST (619) 011 Pierce Crossing, Bone Spring
Pool Code	11540		96473 60044
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	Perforations 6707-6735'		Perforations 7227-7323' (Producing) & 7918-8066' (TA)
Method of Production (Flowing or Artificial Lift)	Artificial Lift (proposed)		Artificial Lift
Bottomhole Pressure (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)	Current: 1600 psi Producing (e) Original: 2700 psi Shut-In (e)		Current: 2500 psi Initial Completion (e) Original: 3100 psi Partially Depleted (e)
Oil Gravity or Gas BTU (Degree API or Gas BTU)	40.1 degrees API		41.3 degrees API
Producing, Shut-In or New Zone	Shut-In		Producing
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: 5-22-05 (Last Test) Rates: 7 BO, 50 BW, 14 MCF per day	Date: Rates:	Date: 7-30-05 (Last Test) Rates: 5 BO, 12 BW, 84 MCF per day
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil                      Gas 58 %                      14 %	Oil                      Gas %                          %	Oil                      Gas 42 %                      86 %

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones?  
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail?

Yes ☒ No ☐  
Yes ☐ No ☐

Are all produced fluids from all commingled zones compatible with each other?

Yes ☒ No ☐

Will commingling decrease the value of production?

Yes ☐ No ☒

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 ☒ 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.

Dist. Petroleum Engineer

8-5-2005

SIGNATURE Mark V. Kelley

TITLE

DATE

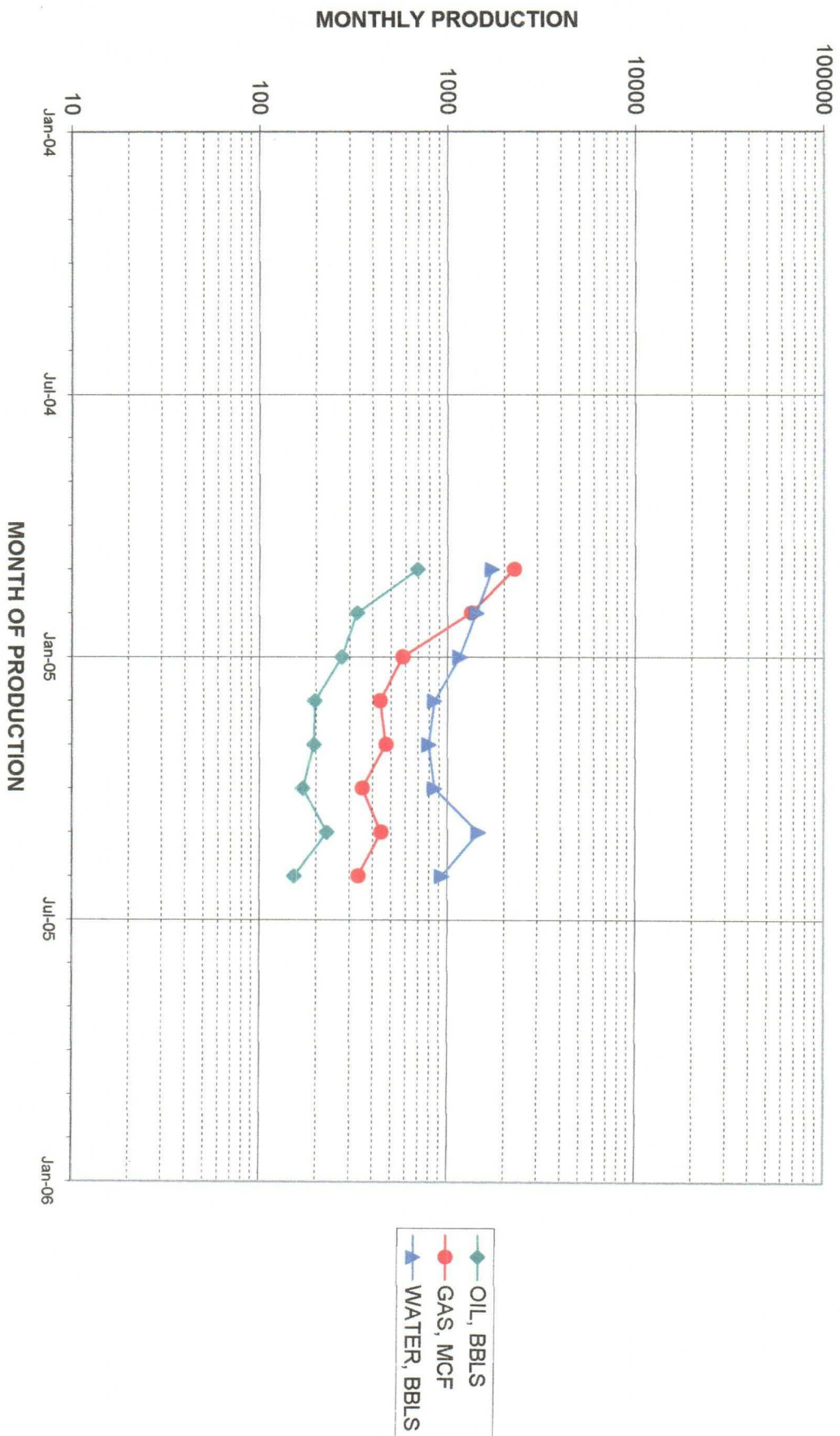
Mark V. Kelley

432 685-8100

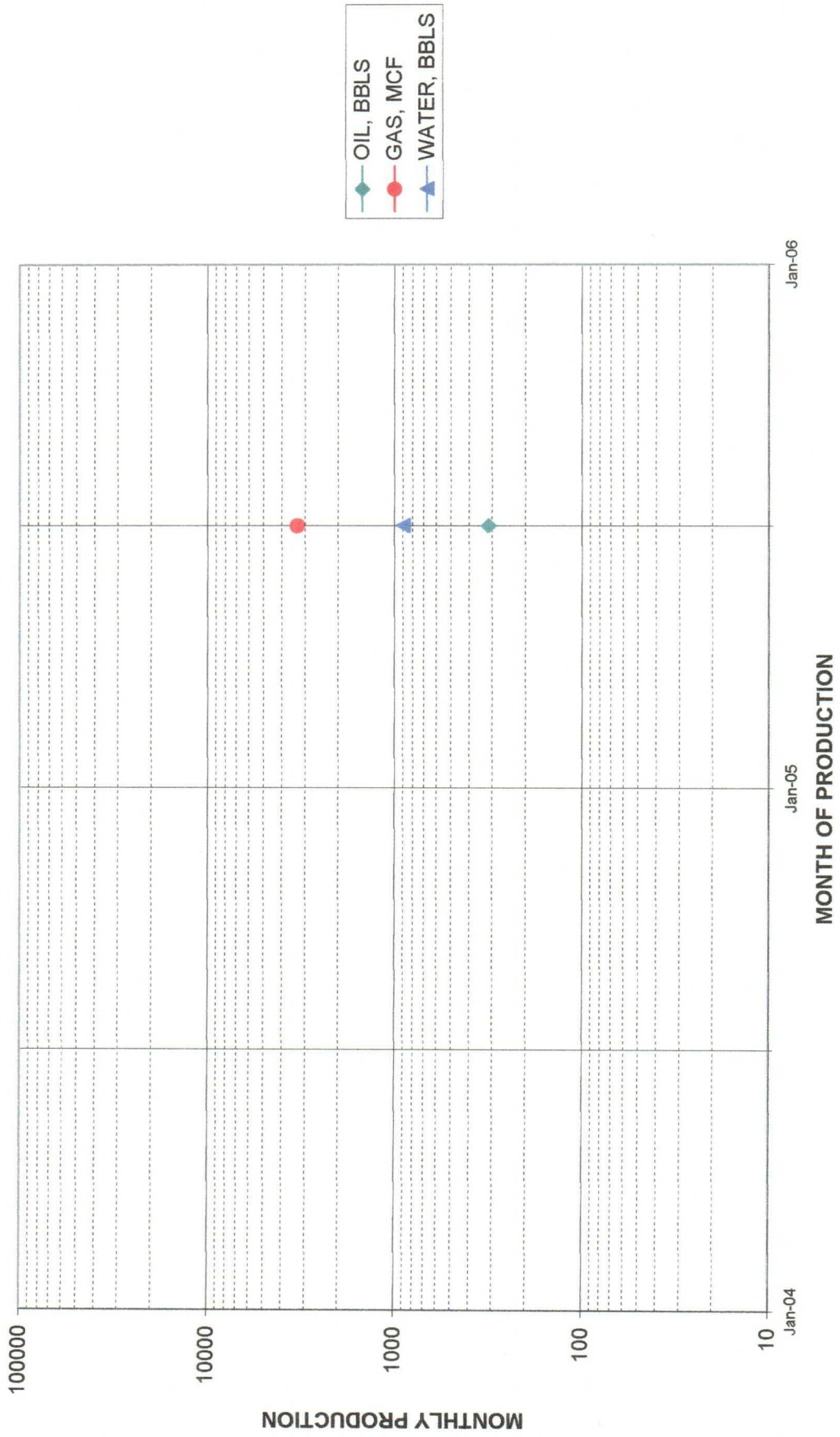
TYPE OR PRINT NAME

TELEPHONE NO. ( )

# RIVERBEND 23 FEDERAL WELL #16 - DELAWARE PRODUCTION CEDAR CANYON (DELAWARE) FIELD



# RIVERBEND 23 FEDERAL WELL #16 - BONE SPRING PRODUCTION PIERCE CROSSING (BONE SPRING) FIELD



POGO PRODUCING CO  
WESTERN DIVISION

MONTHLY OIL, GAS AND WATER PRODUCTION

RIVER BEND 23 FEDERAL #16

<u>Date</u>	<u>Oil Prod, BBLs</u>	<u>Gas Prod, MCF</u>	<u>Wtr Prod, BBLs</u>	<u>Days On</u>	<u>COMMENTS</u>
<b><u>DELAWARE ZONE:</u></b>					
Jan-04					
Feb-04					
Mar-04					
Apr-04					
May-04					
Jun-04					
Jul-04					
Aug-04					
Sep-04					
Oct-04					
Nov-04	693	2268	1728	26	
Dec-04	330	1335	1428	30	
Jan-05	274	575	1161	31	
Feb-05	197	438	850	28	
Mar-05	195	470	793	31	
Apr-05	170	350	850	30	
May-05	228	443	1458	31	
Jun-05	152	333	933	22	ZONE TA ABOVE PACKER 6-22-05
Jul-05					
<b>DEL TOTALS:</b>	<b>2239</b>	<b>6212</b>	<b>9201</b>		
<b><u>BONE SPRING ZONE:</u></b>					
Jan-04					
Feb-04					
Mar-04					
Apr-04					
May-04					
Jun-04					
Jul-04					
Aug-04					
Sep-04					
Oct-04					
Nov-04					
Dec-04					
Jan-05					
Feb-05					
Mar-05					
Apr-05					
May-05					
Jun-05					
Jul-05	315	3304	897	26	ZONE ON PROD 7-1-05; PROD EST FM FIELD RPTS
<b>BS TOTALS:</b>	<b>315</b>	<b>3304</b>	<b>897</b>		

**NOTE:** Water production shown above for the Delaware zone has been corrected from volumes previously reported on Form C-115. Corrected values will be reported on ammended Form C-115's to be filed in the near future.

## DISTRICT I

1625 N. FRENCH DR., ROSAS, NM 88240

## DISTRICT II

1301 W. GRAND AVENUE, ARTESIA, NM 88210

## DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

## DISTRICT IV

1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

## State of New Mexico

Energy, Minerals and Natural Resources Department

## OIL CONSERVATION DIVISION

1220 SOUTH ST. FRANCIS DR.

Santa Fe, New Mexico 87505

Form C-102

Revised JUNE 10, 2003

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

## WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-33598	Pool Code 50371	Pool Name Pierce Crossing Bone Spring
Property Code 20875	Property Name RIVER BEND 23 FEDERAL	Well Number 16
OGRID No. 017891	Operator Name POGO PRODUCING COMPANY	Elevation 3023'

## Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	23	24-S	29-E		1830	SOUTH	1980	EAST	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.
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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>GEODETIC COORDINATES NAD 27 NME</p> <p>Y=436900.6 N X=617785.3 E</p> <p>LAT.=32°12'02.10" N LONG.=103°57'09.16" W</p>	<p><b>OPERATOR CERTIFICATION</b></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 Wright</i> Signature</p> <p>Cathy Wright Printed Name</p> <p>Sr. Eng Tech Title</p> <p>08/05/05 Date</p> <p><b>SURVEYOR CERTIFICATION</b></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>AUGUST 23, 2004</p> <p>Date Surveyed JR</p> <p>Signature &amp; Seal of Professional Surveyor</p> <p><i>Gary J. Johnson</i> 8/25/04</p> <p>04-11-1004</p> <p>Certificate No. RONALD J. JOHNSON 3239</p>
--	---

DISTRICT I  
1625 N. FRENCH DR., BOBBS, NM 86240

DISTRICT II  
1301 W. GRAND AVENUE, ARTESIA, NM 88210

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

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1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

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Energy, Minerals and Natural Resources Department

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WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-33598	Pool Code 11540	Pool Name <del>EAST</del> Cedar Canyon Delaware
Property Code 20857	Property Name RIVER BEND 23 FEDERAL	Well Number 16
OGRID No. 017891	Operator Name POGO PRODUCING COMPANY	Elevation 3023'

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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The attached plat was inadvertently  
omitted from this mailing.



# COPY

**POGO PRODUCING COMPANY**

**RECEIVED**

August 9, 2005

AUG 12 2005

**OIL CONSERVATION  
DIVISION**

*No Admin  
orders on this well  
as of 8/16/05*

New Mexico Oil Conservation Division  
Attn: Mr. David R. Catanach  
1220 South St. Francis Drive  
Santa Fe, New Mexico 87505

VIA CM RRR 7160 3901 9848 5473 9082

Re: CEDAR CANYON PROSPECT  
Eddy County, New Mexico

**APPLICATION FOR ADMINISTRATIVE APPROVAL FOR DOWNHOLE COMMINGLING**  
River Bend 23 Federal № 16 Well  
1,830' FSL and 1,980' FEL, Unit J, Section 23, T-24-S, R-29-E, N.M.P.M.  
Pogo Lease № L696

*30-015-33598*

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Should you have any questions regarding this matter, please contact Mr. Mark Kelley at (432) 685-8100.

Very truly yours,

POGO PRODUCING COMPANY

*Terry Gant*  
Terry Gant  
Land Manager

TG/dkr

Enclosures

cc (w/copies of enclosures):

New Mexico Oil Conservation Division  
Attn: District Supervisor  
1301 West Grand Avenue  
Artesia, New Mexico 88210-2834

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

bcc (w/copies of enclosures): Land Administration  
Richard L. Wright  
Mark Kelley

# State of New Mexico

Energy, Minerals and Natural Resources Department

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1301 W. GRAND AVENUE, ARTESIA, NM 88210

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Santa Fe, New Mexico 87505

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### WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

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Property Code 20857	Property Name RIVER BEND 23 FEDERAL	Well Number 16
OGRID No. 017891	Operator Name POGO PRODUCING COMPANY	Elevation 3023'

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Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No.						

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