

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 No 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 No L696

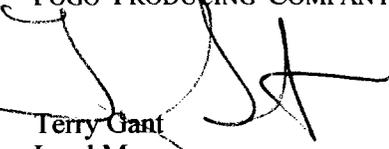
Gentlemen:

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

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 **DHC-3555**

Operator River Bend 23 Federal Address 16 J, Sec 23, T-24-S, R-29-E Eddy

Lease 017891 Well No. 20875 Unit Letter-Section-Township-Range 30-015-33598 County X

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

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Cedar Canyon, Delaware		<del>EAST (OIL)</del> <del>Pierce Crossing, Bone Spring</del> <b>OIL</b>
Pool Code	11540		<del>9643</del> <del>6064</del>
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 58 % Gas 14 %	Oil % Gas %	Oil 42 % Gas 86 %

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes  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  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:

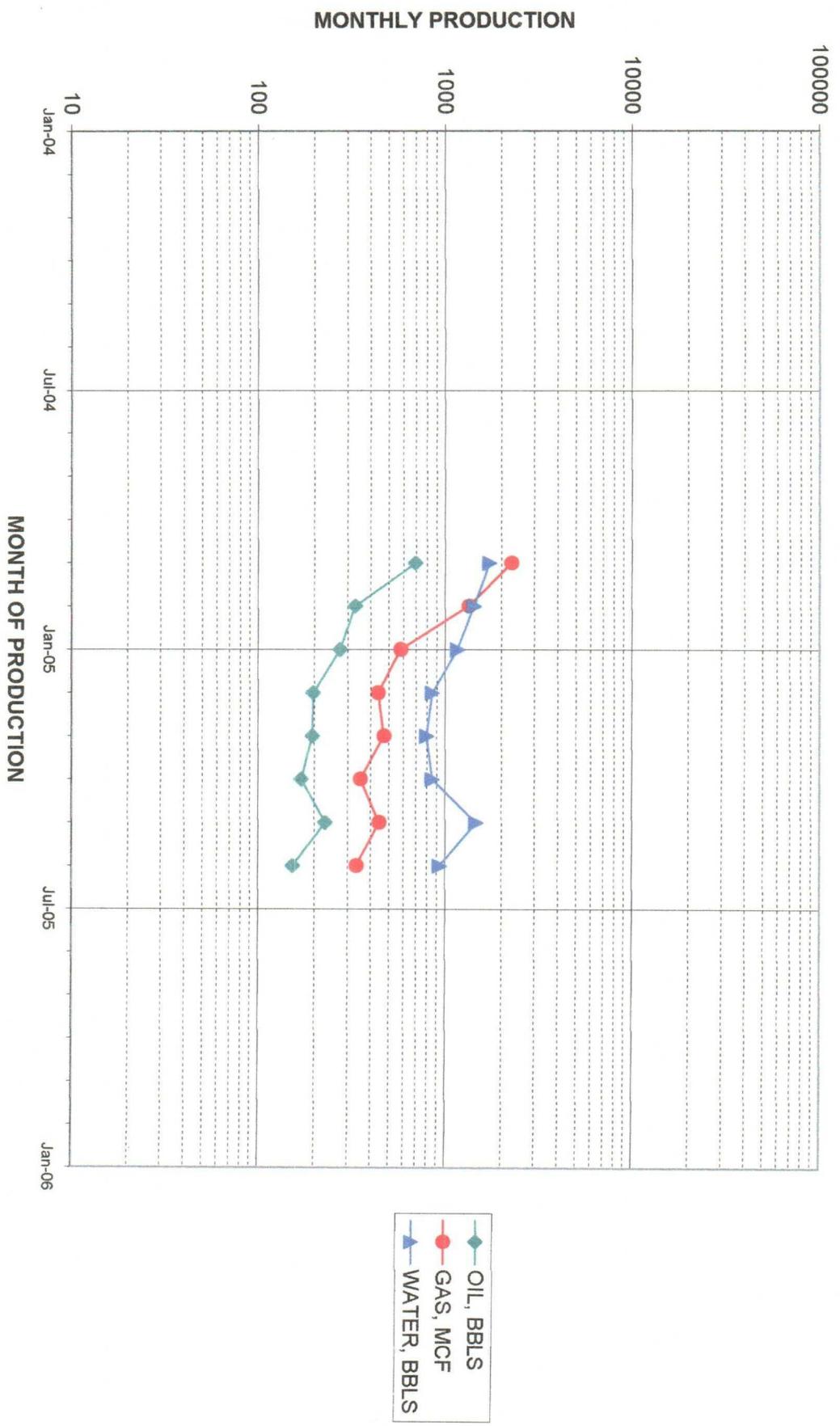
- List of other orders approving downhole commingling within the proposed Pre-Approved Pools
- List of all operators within the proposed Pre-Approved Pools
- Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.
- Bottomhole pressure data.

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

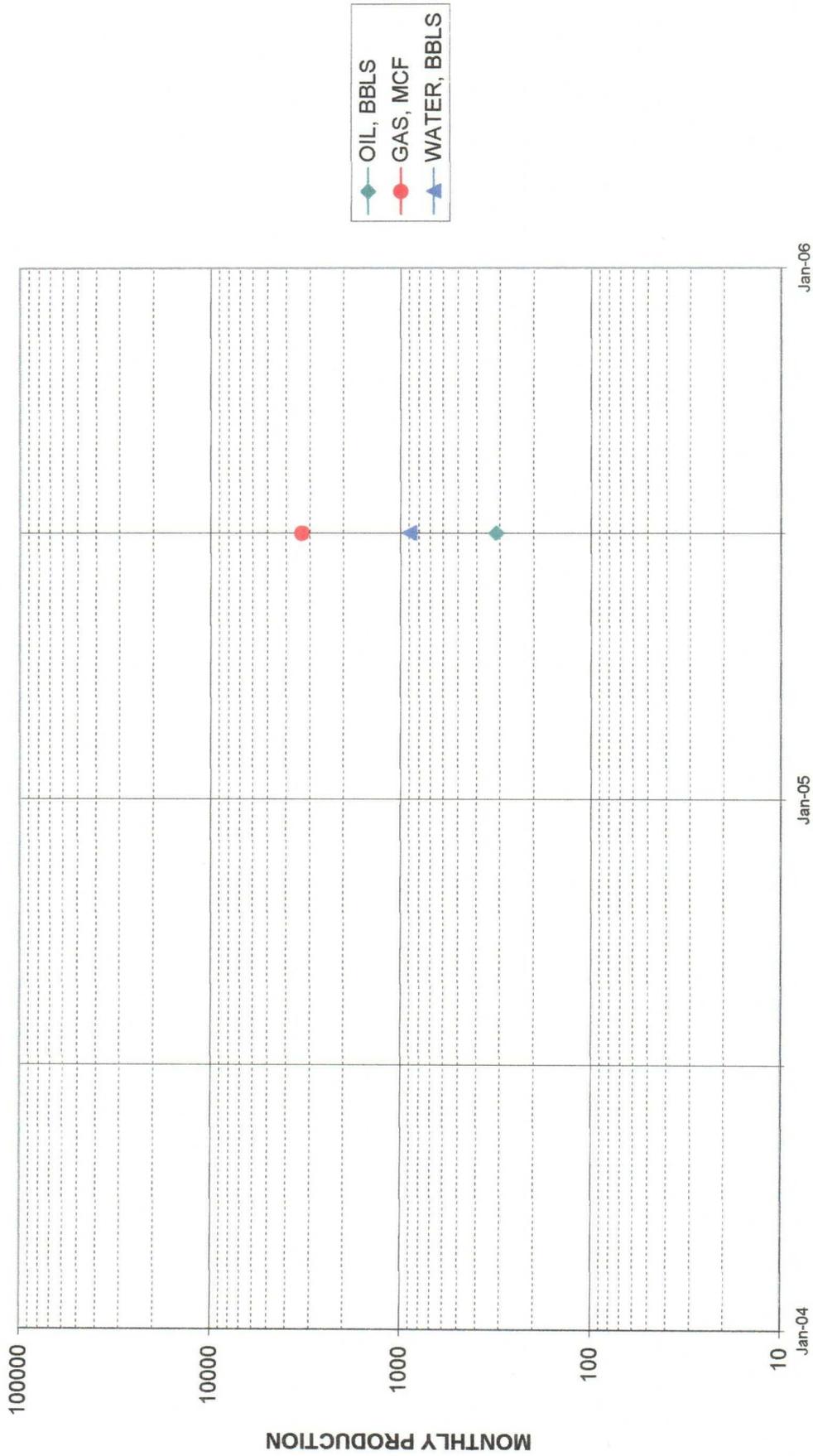
SIGNATURE Mark V. Kelley TITLE Dist. Petroleum Engineer DATE 8-5-2005

TYPE OR PRINT NAME Mark V. Kelley TELEPHONE NO. 432 685-8100

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



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



MONTH OF PRODUCTION

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.

State of New Mexico

Energy, Minerals and Natural Resources Department

DISTRICT I

1625 N. FRENCH DR., ROSES, 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

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> <hr/> <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 Date Surveyed</p> <p>JR Signature &amp; Seal of Professional Surveyor</p> <p>Certificate No. RONALD J. EBSON 3239</p>
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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>Cedar Canyon Delaware</del> <b>EAST</b>
Property Code 20857	Property Name RIVER BEND 23 FEDERAL	Well Number 16
OGRID No. 017891	Operator Name POGO PRODUCING COMPANY	Elevation 3023'

Surface Location

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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 TFS 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 9849 5473 9082

*30-015-33598*

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

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*[Signature]*  
Terry Gant  
Land Manager  
TG/dkr

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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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