

ABOVE THIS LINE FOR DIVISION USE ONLY

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



Submitted with  
 Bertha J Barber  
 No. 15

**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.

David Catanach  
 Print or Type Name

David Catanach  
 Signature

Agent for Apache Corporation  
 Title

10/28/13  
 Date

drcatanach@netscape.com  
 E-Mail Address

Apache Corp.  
 30-025-41282  
 Bertha J. Barber  
 No. 16

10/28/13 11:32

October 28, 2013

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

TO: Poco Partners, Ltd.  
P.O. Box 2148  
Midland, Texas 79702-2148

Re: Apache Corporation  
Application for Unorthodox Well Locations  
**Bertha J. Barber No. 15 (API No. 30-025-41281)**  
**Surface Location: 590' FNL & 145' FEL (Unit A)**  
**Bottomhole Location: 467' FNL & 10' FEL (Unit A)**

**Bertha J. Barber No. 16 (API No. 30-025-41282)**  
**1310' FNL & 853' FEL (Unit A)**  
**All in Section 7, Township 20 South, Range 37 East, NMPM,**  
**Lea County, New Mexico**

Ladies and Gentlemen:

Enclosed please find a copy of the application filed by Apache Corporation ("Apache") for authorization to drill its Bertha J. Barber Wells No. 15 & 16 at the unorthodox well locations described above. The wells will be dedicated to an existing 40-acre spacing and proration unit in the Eunice Monument Grayburg-San Andres Pool comprising the NE/4 NE/4 of Section 7. This unit is currently dedicated to Apache's existing Bertha J. Barber Well No. 2. The unorthodox locations are necessary in order to effectively and efficiently drain the Bertha J. Barber Lease, and to complete a 40-acre five spot injection pattern at such time in the future as this lease may be subject to secondary recovery operations.

As the owner of an interest that may be affected by the proposed unorthodox oil well locations, you are being provided notice as per Division rules and regulations. Objections must be filed in writing at the Division's Santa Fe office within 20 days from the date this notice was sent to you. If no objection is received within twenty days after the filing of this application and proof of notice with the Division, the application may be approved.

If you should have any questions, please call me at (505) 690-9453.

Sincerely,



David Catanach  
Agent-Apache Corporation  
303 Veterans Airpark Lane  
Suite 3000  
Midland, Texas 79705

line. Both of these wells, if drilled, will also be dedicated to the NE/4 NE/4 of Section 7 in the Eunice Monument Grayburg-San Andres Pool.

The Eunice Monument Grayburg-San Andres Pool is currently governed by Division Rule 19.19.15.9 which requires standard 40-acre oil spacing and proration units with wells to be located no closer than 330 feet to the outer boundary of the spacing unit.

The NE/4 NE/4 of Section 7 is a part of the Bertha J. Barber Lease, which comprises the E/2 E/2 of Section 7, and the NW/4 NW/4 & NW/4 SW/4 of Section 8. This fee lease is owned 87.875% (WI) by LeaCo New Mexico Exploration & Production, LLC, which is an Apache entity, and 12.125% (WI) by Poco Partners, Ltd. The two offset 40-acre tracts that are affected by the unorthodox locations are the NW/4 NW/4 of Section 8, which is affected by the Bertha J. Barber No. 15, and the SE/4 NE/4 of Section 7, which is affected by the Bertha J. Barber No. 16. The affected NW/4 NW/4 of Section 8 is currently operated in the Eunice Monument Grayburg-San Andres Pool by Apache. The affected SE/4 NE/4 of Section 7 is currently not developed in the Eunice Monument Grayburg-San Andres Pool. Pursuant to Division rules, Apache is providing notice of this application, by certified mail return receipt, to Poco Partners, Ltd., the only working interest owner affected by these unorthodox well locations.

The attached map shows the current and proposed well development pattern within the NE/4 NE/4 of Section 7, and the NW/4 NW/4 of Section 8. The proposed unorthodox locations are necessary: i) in order to efficiently and effectively drain and develop the Bertha J. Barber Lease; and ii) to complete an efficient and effective 40-acre five spot injection pattern at such time in the future as this lease may be subject to a pilot of full-scale secondary recovery operations in the Grayburg-San Andres interval.

Attached are Form C-102's for each well showing the proposed well, well locations and dedicated acreage. Also attached is a map that shows the current and proposed well development pattern within the NE/4 NE/4 of Section 7 and the NW/4 NW/4 of Section 8. Also shown on this map is the affected offset acreage.

In summary, approval of the application will provide Apache Corporation the opportunity to recover additional oil and gas reserves from the Eunice Monument Grayburg-San Andres Pool underlying the NE/4 NE/4 of Section 7 that may otherwise not be recovered by the existing or proposed producing wells, thereby preventing waste, and will not violate correlative rights.

If you should have any questions, please call me at (505) 690-9453.

Sincerely,

A handwritten signature in cursive script that reads "David Catanach". The signature is written in black ink and has a long, sweeping horizontal tail.

David Catanach, Agent  
Apache Corporation  
303 Veterans Airpark Lane  
Suite 3000  
Midland, Texas 79705

Xc: OCD-Hobbs

DISTRICT I  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720

DISTRICT II  
811 S. First St., Artesia, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720

DISTRICT III  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505

Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number <b>30-025-</b>	Pool Code	Pool Name <b>Monument, Grayburg/SAN Andres</b>
Property Code	Property Name <b>BERTHA J BARBER</b>	Well Number <b>16</b>
OGRID No. <b>873</b>	Operator Name <b>APACHE CORPORATION</b>	Elevation <b>3554'</b>

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	7	20-S	37-E		1310	NORTH	853	EAST	LEA

Bottom Hole Location If Different From Surface

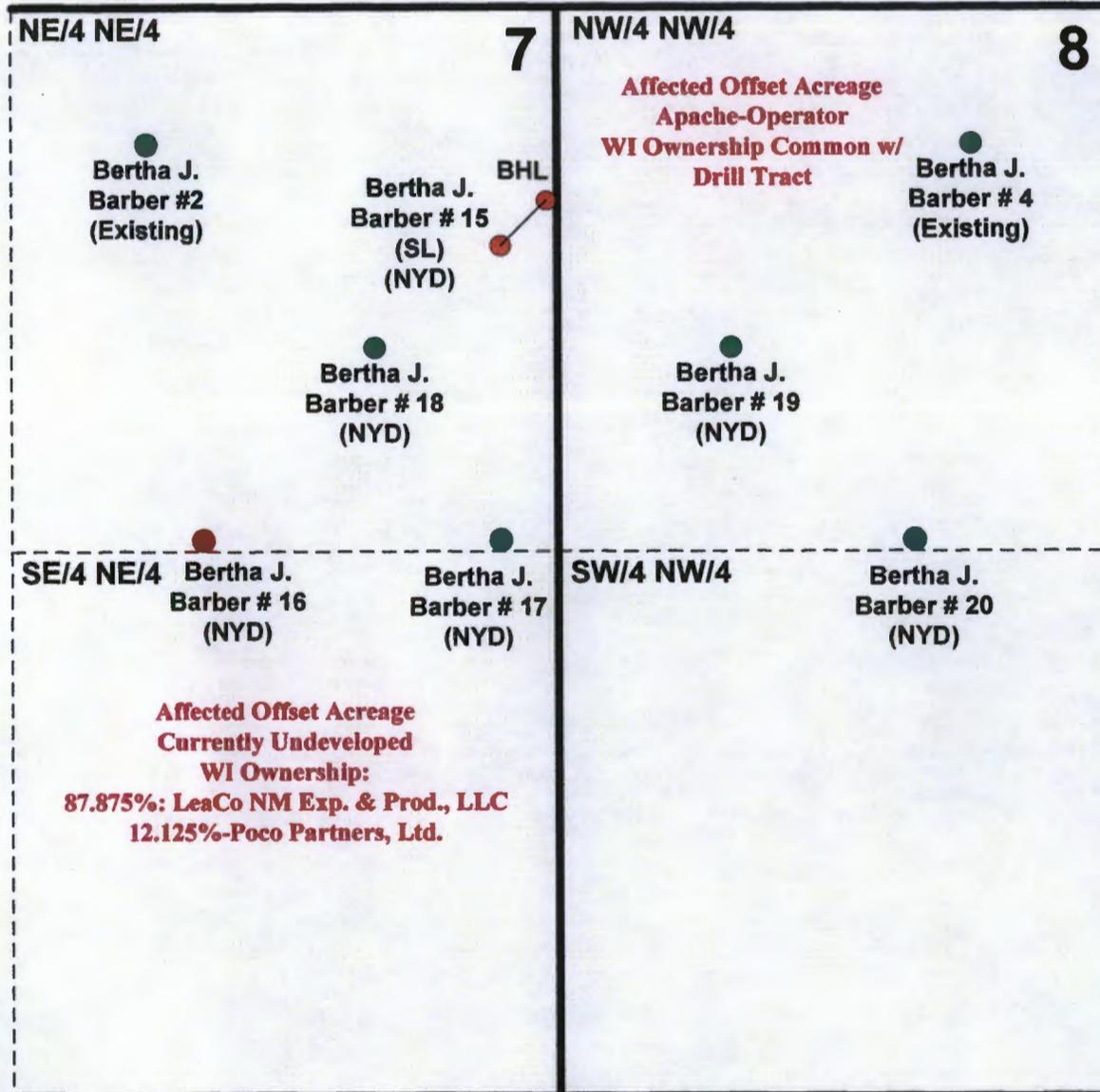
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres	Joint or Infill	Consolidation Code	Order No

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 that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>Michelle Cooper</i> 7-23-13 Signature Date</p> <p><i>Michelle Cooper</i> Printed Name</p> <p><i>michelle.cooper@apachecorp.com</i> E-mail Address</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>JULY 9, 2013</p> <p>Date of Survey</p> <p>Signature &amp; Seal of Professional Surveyor</p> <p><i>Ronald J. Eidson</i></p> <p>REGISTRATION NO. 3239</p> <p>Certificate Number Gary C. Eidson 12641 Ronald J. Eidson 3239</p> <p>ACK WSC W.O. 13.11.0787</p>
	<p>GEODETIC COORDINATES NAD 27 NME</p> <p>SURFACE LOCATION Y=580416.8 N X=823042.6 E</p> <p>LAT.=32.591292" N LONG.=103.284481" W</p> <p>LAT.=32° 35' 29" N LONG.=103° 17' 04" W</p>

20S



37E

**Apache Corporation**  
**Application for Unorthodox Well Locations**  
**Bertha J. Barber Wells No. 15 & 16**

THE UNIVERSITY OF CHICAGO  
DEPARTMENT OF CHEMISTRY  
606 S. EAST ASIAN BLDG.  
CHICAGO, ILL. 60607

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Total Postage & Fees	\$	\$6.97

0507

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**Poco Partners, Ltd.**  
Sent **P.O. Box 2148**  
Street or PO  
City, State, ZIP+4  
Midland, Texas 79702-2148

PS Form 3800, June 2012 Instructions

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Total Postage & Fees	\$	\$6.77

Total Postage & Fees \$6.77 11/07/2013

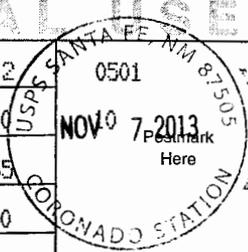
Sent To **Marion V. Turner, Trustee**

**Marion T. Turner**

**31 Brass Horse Road**

**Santa Fe, NM 87508-9474**

PS Form 3800, See Reverse for Instructions



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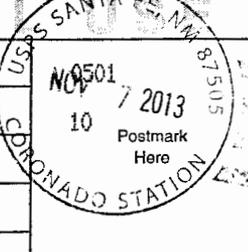
Sent To **Donald E. Richter &**

**Glenda L. Richter**

**#9 Willow Wood Street**

**Dallas, Texas 75205-3829**

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Total Postage & Fees \$6.97 11/07/2013

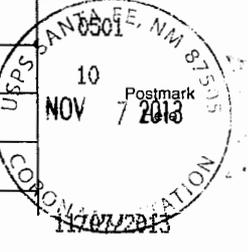
Sent To **M.P.S., Inc.**

**17103 Preston Road, # 185**

**Dallas, Texas 75248**

**Attn: Vickie L. Pybus**

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Total Postage & Fees \$6.97 11/07/2013

Sent To **Virginia A. Desmond**

**5502 20th Street**

**Lubbock, Texas 79407-0951**

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Restricted Delivery Fee (Endorsement Required)		\$0.00
Total Postage & Fees	\$	\$6.77

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Sent To **Merry L. Christiansen**

**P.O. Box 856**

**Rogersville, Missouri 65742-0856**

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