

|                  |          |             |                    |           |                               |
|------------------|----------|-------------|--------------------|-----------|-------------------------------|
| DATE IN 05/18/13 | SUSPENSE | ENGINEER RE | LOGGED IN 05/10/13 | TYPE SWD/ | PPRG 1313054662<br>1313060046 |
|------------------|----------|-------------|--------------------|-----------|-------------------------------|

ABOVE THIS LINE FOR DIVISION USE ONLY

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



Amend  
30-015-41009  
Washington 34 St #2  
Apache Corp

**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 \* Application to Amend Order No. SWD-1380
- [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

Signature

Date

Agent-Apache Corporation  
Title

drcatanach@netscape.com  
E-Mail Address

RECEIVED OCD  
2013 MAY -8 A 9:27

May 8, 2013

Energy, Minerals and Natural Resources Department  
Oil Conservation Division  
1220 South St. Francis Drive  
Santa Fe, New Mexico 87505

Attention: Ms. Jami Bailey, CPG  
Division Director

Re: Form C-108 – Application to Amend Order No. SWD-1380  
Apache Corporation  
Washington 34 State SWD No. 2  
API No. (30-015-41009)  
590' FSL & 1705' FWL, Unit N  
Section 34, T-17S, R-28E, NMPM,  
Eddy County, New Mexico

Dear Ms. Bailey,

By Order No. SWD-1380 dated January 4, 2013 Apache Corporation ("Apache") was authorized to complete its Washington 34 State SWD No. 2 as a produced water disposal well, injection to occur from the Devonian formation through the base of the Ellenburger formation through perforations from approximately 11,504 feet to 12,700 feet.

Apache has completed drilling operations on the Washington 34 State SWD No. 2 and has tested the injectivity of the approved injected interval. As a result of the injectivity test, Apache has elected to plug back the well and complete as a produced water disposal well in the Wolfcamp/Cisco interval through perforations from approximately 7,401 feet to 9,137 feet. Consequently, Apache is seeking approval to amend Order No. SWD-1380 to authorize injection into the Wolfcamp/Cisco interval in the subject well.

The application to amend Order No. SWD-1380 includes:

1. Form C-108;
2. Injection well data sheet and wellbore schematic diagram showing all well construction and completion details;
3. Injection Interval Geologic Data
4. Updated AOR well table. As per the original Devonian completion, no AOR wells penetrated the injection interval. As per the new Wolfcamp/Cisco completion, there are two AOR wells that penetrate the injection interval. Well construction data for these two wells is shown. The data shows that both wells are constructed so as to preclude the migration of fluid from the proposed injection interval;
5. Affirmative Statement;
6. Offset leasehold notification letter;

7. AOR notice map showing all numbered offset tracts; -
8. Updated leasehold owner list. As a result of the change in the injection interval depth, the lease ownership of Tract No. 2 changed from the original application, as shown on the updated leasehold owner list. All leasehold owners within a ½ mile radius of the subject well are being provided notice of this application;
9. Publication Notice. The affidavit of publication will be provided to the OCD upon receipt by Apache from the Artesia Daily News; and
10. Copy of Order No. SWD-1380.

All other aspects with regards to the proposed disposal operation will be conducted in accordance with the original C-108 application.

I believe that all the information necessary to amend Order No. SWD-1380 is enclosed. If additional information is needed, please contact me at (505) 690-9453.


Sincerely,



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

Xc: OCD-Artesia

**APPLICATION FOR AUTHORIZATION TO INJECT**

- I. PURPOSE: \_\_\_\_\_ Secondary Recovery \_\_\_\_\_ Pressure Maintenance \_\_\_\_\_ ☒ Disposal \_\_\_\_\_ Storage  
Application qualifies for administrative approval? \_\_\_\_\_ ☒ Yes \_\_\_\_\_ No
- II. OPERATOR: \_\_\_\_\_ Apache Corporation (OGRID-873) \_\_\_\_\_  
ADDRESS: \_\_\_\_\_ 303 Veterans Airpark Lane, Suite 3000 Midland, Texas 79705 \_\_\_\_\_  
CONTACT PARTY: \_\_\_\_\_ David Catanach-Agent \_\_\_\_\_ PHONE: (505) 690-9453
- III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.  
Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? \_\_\_\_\_ Yes \_\_\_\_\_ ☒ No  
If yes, give the Division order number authorizing the project: \_\_\_\_\_
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
  2. Whether the system is open or closed;
  3. Proposed average and maximum injection pressure;
  4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
  5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- \*VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- \*X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
- \*XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- NAME: \_\_\_\_\_ David Catanach \_\_\_\_\_ TITLE: \_\_\_\_\_ Agent-Apache Corporation \_\_\_\_\_  
SIGNATURE: \_\_\_\_\_  \_\_\_\_\_ DATE: \_\_\_\_\_ 5/8/13 \_\_\_\_\_  
E-MAIL ADDRESS: \_\_\_\_\_ drcatanach@netscape.com \_\_\_\_\_
- \* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: \_\_\_\_\_

### III. WELL DATA

- A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

- B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

### XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and,
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

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NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

## INJECTION WELL DATA SHEET

OPERATOR: Apache Corporation

WELL NAME & NUMBER: Washington 34 State SWD No. 2 (API No. 30-015-41009)

|                |                      |             |         |          |         |
|----------------|----------------------|-------------|---------|----------|---------|
| WELL LOCATION: | 590' FSL & 1705' FWL | N           | 34      | 17 South | 28 East |
|                | FOOTAGE LOCATION     | UNIT LETTER | SECTION | TOWNSHIP | RANGE   |

### WELLBORE SCHEMATIC

***See Attached Wellbore Schematic***

### WELL CONSTRUCTION DATA

## Surface Casing

Hole Size: 17 1/2" Casing Size: 13 3/8" @ 416'

Cemented with: 982 Sx. or ft<sup>3</sup>

Top of Cement: Surface Method Determined: Circulated

### Intermediate Casing

Hole Size: 12 1/4" Casing Size: 9 5/8" @ 4,527'

Cemented with: 1650 Sx. or \_\_\_\_\_ ft<sup>3</sup>

Top of Cement: Surface      Method Determined: Circulated

## Production Casing

Hole Size: 8 3/4" Casing Size: 7" @ 12,656'

Cement with: 1<sup>st</sup> Stage-1070 sx. DV Tool @ 6,992' ft<sup>3</sup>  
2<sup>nd</sup> Stage-470 sx. or

Top of Cement: 688' Method Determined: Calculated

Total Depth: 12,656'

### Injection Interval

**Perforated Interval -7,401'-9,137' (Proposed)**

# INJECTION WELL DATA SHEET

Tubing Size: 4 1/2"

Lining Material: Duo Lined (Extruded Thermoplastic)

Type of Packer: Model A Lockset Injection Packer

Packer Setting Depth: 7,301' or within 100' of the uppermost injection perforations

Other Type of Tubing/Casing Seal (if applicable): None

## Additional Data

1. Is this a new well drilled for injection:       X       Yes            No

If no, for what purpose was the well originally drilled: \_\_\_\_\_

2. Name of the Injection Formation: Wolfcamp/Cisco

3. Name of Field or Pool (if applicable): N/A

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used.

Devonian/Simpson/Ellenburger: 12,254'-12,336'; Set CIBP @ 12,210' w/50' cement on top

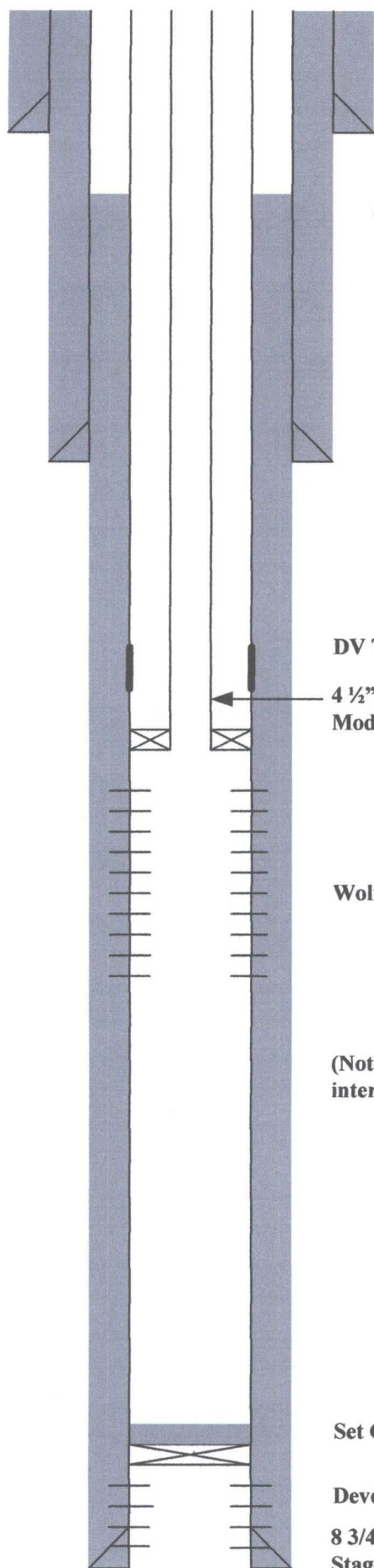
5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

Artesia Queen-Grayburg-San Andres Pool (2,500'); Artesia Glorieta-Yeso Pool (4,200'); Empire-Abo Pool (6,200')

Empire-Penn Gas Pool (10,600'); \_\_\_\_\_

## Proposed Wellbore Configuration

Apache Corporation  
Washington 34 State SWD No. 2  
API No. 30-015-41009  
590' FSL & 1705' FWL (Unit N)  
Section 34, T-17 South, R-28 East, NMPPM



17 1/2" Hole; Set 13 3/8" 48# H-40 Csg @ 416'  
Cemented w/982 Sx. Cement circulated to surface  
TOC @ 688' by CBL

12 1/4" Hole; Set 9 5/8" 40# J-55 Csg @ 4,527'  
Cemented w/1650 Sx. Cement circulated to surface

DV Tool @ 6,992'

4 1/2" Duo-Lined Injection Tubing set in a  
Model A Lockset Packer @ 7,301'

Wolfcamp/Cisco Perforations: 7,401'-9,137'

(Note: Well will be plugged back to the base of the injection  
interval as per Division requirements)

Set CIBP @ 12,210' w/50' of cement on top

Devonian/Simpson/Ellenburger Perforations: 12,254'-12,336'

8 3/4" Hole; Set 7" 26# L-80 & HCL-80 Csg. @ 12,656'  
Stage Cement: 1<sup>st</sup>-1070 Sx. 2<sup>nd</sup>-470 Sx. DV Tool @ 6,992'  
TOC @ 688' by CBL

T.D. 12,656'



Form C-108  
Application to Amend Order No. SWD-1380  
Apache Corporation  
Washington 34 State SWD No. 2  
Section 34, T-17 South, R-28 East, NMPM,  
Eddy County, New Mexico  
**Geologic Data**

Wolfcamp Formation:

Depth: 7,400'  
Thickness: 1,070'  
Lithology: Limestone & Dolomite  
Perforated Interval: 7,401'-8,470'

Cisco Formation:


Depth: 8,470'  
Thickness: 700'  
Lithology: Limestone w/Interbedded Dolomite  
Perforated Interval: 8,470'-9,137'

**APACHE CORPORATION**  
**FORM C-108: APPLICATION TO AMEND ORDER NO. SWD-1380**  
**WASHINGTON 34 STATE SWD NO. 2 -- UPDATED AOR WELL LISTING**

[illegible]

Form C-108  
Application to Amend Order No. SWD-1380  
Affirmative Statement  
Apache Corporation  
Washington 34 State SWD No. 2  
Section 34, T-17 South, R-28 East, NMPM,  
Eddy County, New Mexico

Available geologic and engineering data has been examined and no evidence of open faults or hydrological connection between the injection zone and any underground sources of drinking water has been found.

  
David Catanach  
Agent for Apache Corporation

5/8/13  
Date

May 8, 2013

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

TO: OFFSET LEASEHOLD OWNERS

Re: Apache Corporation  
Form C-108: Application to Amend Order No. SWD-1380  
Washington 34 State SWD No. 2  
API No. 30-015-41009  
590' FSL & 1705' FWL, Unit N, Section 34, T-17S, R-28E, NMPM,  
Eddy County, New Mexico

Ladies & Gentlemen:

By Order No. SWD-1380 dated January 4, 2013 Apache Corporation ("Apache") was authorized to utilize its Washington 34 State SWD No. 2 as a produced water disposal well, injection to occur into the Devonian formation through the base of the Ellenburger formation through perforations from 11,504 feet to 12,700 feet.

Apache has now elected to abandon the Devonian/Ellenburger injection interval and complete the well as a produced water disposal well in the Wolfcamp/Cisco interval. Injection will occur into the perforated interval from approximately 7,401 feet to 9,137 feet.

Attached is a C-108 application being filed by Apache to Amend Order No. SWD-1380 to authorize injection into the Wolfcamp/Cisco interval within the subject well. You are being provided a copy of the application as an offset leaseholder.

Objections must be filed with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days.

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

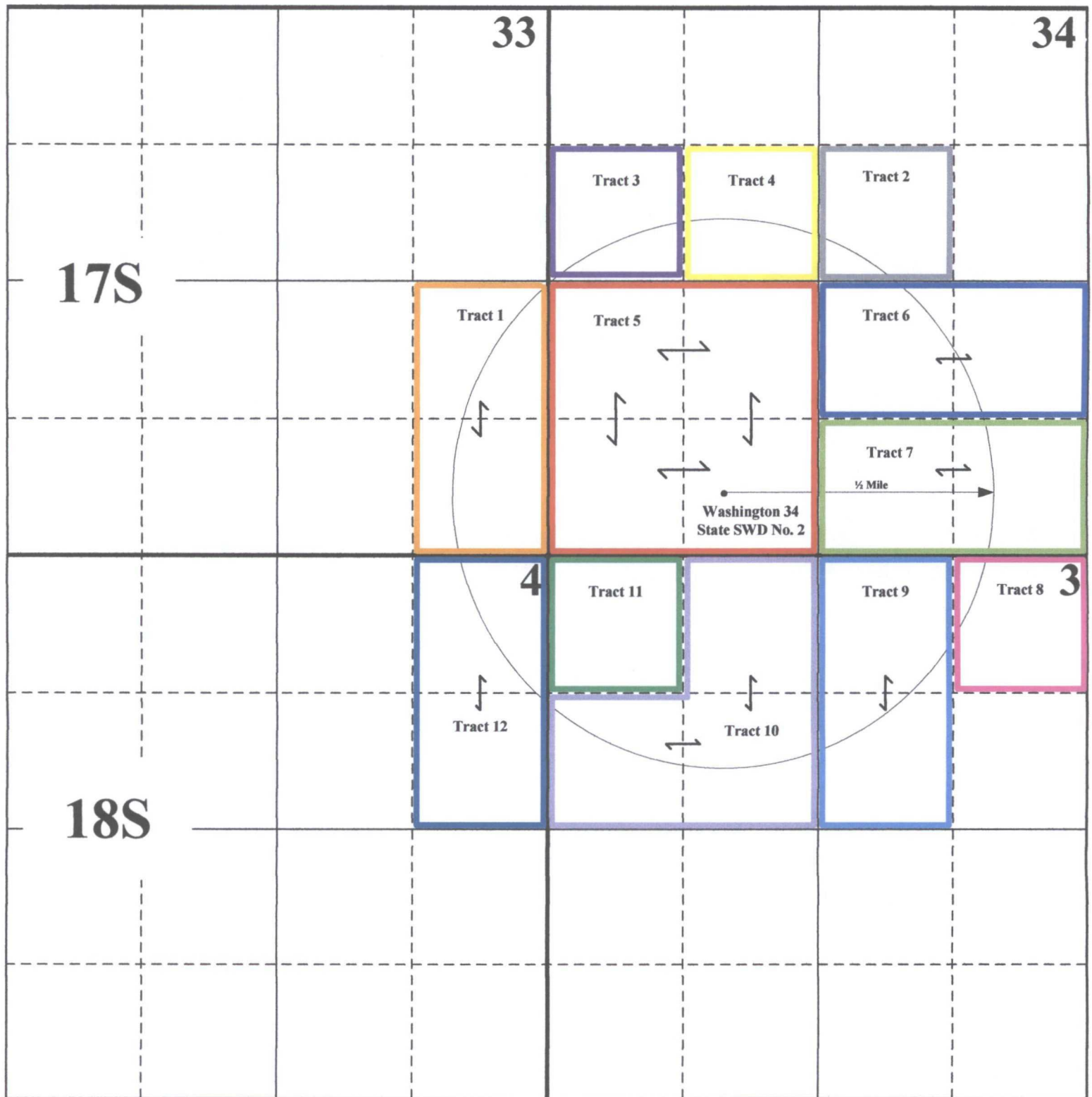
Sincerely,



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

Enclosure

# 28 East



**Apache Corporation**  
**Application to Amend Order No. SWD-1380**  
**Washington 34 State SWD No. 2**  
**Offset Leasehold Owner Tract Identification**

**Apache Corporation**  
**Form C-108: Application to Amend SWD-1380**  
**Washington 34 State SWD No. 2**  
**Section 34, T-17 South, R-28 East, NMPM**  
**Eddy County, New Mexico**

**Offset Leasehold Owner Notification List (See Attached Map)**

**Tract No. 1**

Leasehold Owners: (All depths below the base of the Abo Formation)

COG Operating, LLC  
Concho Oil & Gas Company  
600 W. Illinois Ave.  
One Concho Center  
Midland, Texas 79701

**Tract No. 2**

Leasehold Owners: (From the Base of the Abo Formation to 10,600')

Occidental Permian Ltd. Partnership  
P.O. Box 50250  
Midland, Texas 79705

Khody Land & Minerals Company  
210 Park Avenue, Suite 900  
Oklahoma City, Oklahoma 73102

Yates Petroleum Corporation  
105 S. Fourth Street  
Artesia, New Mexico 88210

**Tract No. 3**

Leasehold Owner: (All depths below the Abo Formation):

ZPZ Delaware I, LLC  
(A wholly owned subsidiary of Apache Corporation)

**Tract No. 4**

Leasehold Owners: (All depths below 4,000'):

ZPZ Delaware I, LLC

Michael Harrison Moore, Trustee of the Michael Harrison Moore 2006  
Trust under Third Amendment and Restatement of the Moore Revocable  
Trust dated 12/15/98  
P.O. Box 51570  
Midland, Texas 79710-1570

**Apache Corporation**  
**Form C-108: Application to Amend SWD-1380**  
**Washington 34 State SWD No. 2**  
**Section 34, T-17 South, R-28 East, NMPM**  
**Eddy County, New Mexico**

**Offset Leasehold Owner Notification List (Page 2)**

**(Tract 4: Cont.)**

Richard Lyons Moore, Trustee of the Richard Lyons Moore 2006  
Trust under Third Amendment and Restatement of the Moore Revocable  
Trust dated 12/15/98  
1150 North Carroll Avenue  
Southlake, Texas 76092

**Tract No. 5**

Leasehold Owner: (All depths below 4,000'):

ZPZ Delaware I, LLC

**Tract No. 6**

Leasehold Owner:

ZPZ Delaware I, LLC

Marathon Oil Company  
P.O. Box 552  
Midland, Texas 79702

Khody Land & Minerals Company  
210 Park Avenue, Suite 900  
Oklahoma City, Oklahoma 73102

Yates Industries LLC  
P.O. Box 1091  
Artesia, New Mexico 88211-1091

Sharbro Energy, LLC  
P.O. Box 840  
Artesia, New Mexico 88211-0840

**Tract 7**

Leasehold Owners: (All depths below the Abo Formation):

Apache Corporation

ConocoPhillips Company  
P.O. Box 2197  
Houston, Texas 77252

**Apache Corporation**  
**Form C-108: Application to Amend SWD-1380**  
**Washington 34 State SWD No. 2**  
**Section 34, T-17 South, R-28 East, NMPM**  
**Eddy County, New Mexico**

**Offset Leasehold Owner Notification List (Page 3)**

**Tract 7 (Cont.)**

Chisos Ltd.  
670 Dona Ana Rd. SW  
Deming, New Mexico 88030

**Tract 8**

Leasehold Owner: (All Depths):

McBride Oil & Gas Corporation  
400 N. Pennsylvania Avenue  
Roswell, New Mexico 88201

**Tract 9**

Leasehold Owners: (All depths below the Abo Formation)

Occidental Permian Ltd. Partnership  
P.O. Box 50250  
Midland, Texas 79705

Marathon Oil Company  
P.O. Box 552  
Midland, Texas 79702

Khody Land & Minerals Company  
210 Park Avenue, Suite 900  
Oklahoma City, Oklahoma 73102

Yates Industries LLC  
P.O. Box 1091  
Artesia, New Mexico 88211-1091

Sharbro Energy, LLC  
P.O. Box 840  
Artesia, New Mexico 882110840

**Tract 10**

Leasehold Owners (All depths below 4,500')

Nearburg Exploration Company LLC  
P.O. Box 823085  
Dallas, Texas 75382-3085



**Apache Corporation**  
**Form C-108: Application to Amend SWD-1380**  
**Washington 34 State SWD No. 2**  
**Section 34, T-17 South, R-28 East, NMPM**  
**Eddy County, New Mexico**

**Offset Leasehold Owner Notification List (Page 4)**

**Tract 10 (Cont.)**

Pioneer Natural Resources USA, Inc.  
1400 Williams Square West  
5205 N. O'Connor Blvd.  
Irving, Texas 75039

Kaywal, Inc  
P.O. Box 1060  
Roswell, New Mexico 88202

Marsha June Hickson  
(Address Unknown)

Louetta Rowley Morton  
(Address Unknown)

Sally Marie Morton  
(Address Unknown)

Deborah Anne Morton  
(Address Unknown)

**Tract 11**

Leasehold Owners: (All depths below the top of the Wolfcamp Formation):

The Dietz Family Revocable Trust 2001  
5852 Tillicum Bay Road  
B.C. Von 3A4

H & S Oil, LLC  
P.O. Box 186  
Artesia, New Mexico 88211

**Tract 12**

Leasehold Owner: (From the Base of the Abo Formation to 10,396')

Oxy USA WTP Ltd. Partnership  
6 Desta Drive, Suite 6000  
Midland, Texas 79705

**Surface Owner**

Apache Corporation

**Apache Corporation**  
**Form C-108: Application to Amend SWD-1380**  
**Washington 34 State SWD No. 2**  
**Section 34, T-17 South, R-28 East, NMPM**  
**Eddy County, New Mexico**

**Offset Leasehold Owner Notification List (Page 5)**

**Additional Notice**

Oil Conservation Division  
811 S. First Street  
Artesia, New Mexico 88210

Form C-108: Application to Amend Order No. SWD-1380

Apache Corporation  
Washington 34 State SWD No. 2  
Section 34, T-17 South, R-28 East, NMPM,  
Eddy County, New Mexico

The following-described legal notice will be published in the:

Artesia Daily Press  
503 W. Main Street  
Artesia, New Mexico 88210-2067

The Affidavit of Publication will be forwarded to the Division upon receipt by Apache Corporation.

**LEGAL NOTICE**

**TO: Marsha June Hickson  
Louetta Rowley Morton  
Sally Marie Morton  
Deborah Anne Morton  
All Other Interested Parties**

**Apache Corporation, 303 Veterans Airpark Lane, Suite 3000, Midland, Texas 79705 has filed a Form C-108 (Application for Authorization to Inject) with the Oil Conservation Division ("Division") seeking to amend Division Order No. SWD-1380, which order authorized Apache to utilize its Washington 34 State SWD No. 2 (API No. 30-015-41009) located 590 feet from the South line and 1705 feet from the West line (Unit N) of Section 34, Township 17 South, Range 28 East, NMPM, Eddy County, New Mexico, as a produced water disposal well, injection authorized into the Devonian/Ellenberger formations through the perforated interval from 11,504 feet to 12,700 feet. Apache now seeks authorization to complete the well as a produced water disposal well in the Wolfcamp/Cisco interval through perforations from approximately 7,401 feet to 9,137 feet.**

**Produced water from the Glorieta & Yeso formations originating from Apache Corporation operated wells in this area will be injected into the Washington 34 State SWD No. 2 at average and maximum rates of 4,000 and 15,000 barrels of water per day, respectively. The initial surface injection pressure for the well is anticipated to be at or below 1,480 psi., which is in compliance with Division regulations. The maximum surface injection pressure will be determined by step rate injection test.**

**Interested parties must file objections with the New Mexico Oil Conservation Division, 1220 S. St Francis Drive, Santa Fe, New Mexico 87505, within 15 days of the date of this publication.**

**Additional information can be obtained by contacting Mr. David Catanach Agent-Apache Corporation at (505) 690-9453.**

7012 2920 0002 1384 8157

**U.S. Postal Service™**  
**CERTIFIED MAIL™ RECEIPT**  
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at [www.usps.com](http://www.usps.com)

**OFFICIAL USE**

MIDLAND TX 79710

|  |               |
|--|---------------|
| Postage  | \$ 1.72       |
| Certified Fee                                  | \$3.10        |
| Return Receipt Fee (Endorsement Required)      | \$2.55        |
| Restricted Delivery Fee (Endorsement Required) | \$0.00        |
| <b>Total</b>                                   | <b>\$7.37</b> |

Postmark Here  
 MAY - 8 2013  
 CORONADO STATION

Sent To: **Michael Harrison Moore**  
 Trustee: Michael Harrison Moore  
 Street, or PO: **2006 Trust dated 12/15/98**  
 City, St: **P.O. Box 51570**  
**Midland, Texas 79710-1570**

PS Form 3800, August 2005 See Reverse for Instructions

7012 2920 0002 1384 7419

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**OFFICIAL USE**

MIDLAND TX 79701

|  |               |
|--|---------------|
| Postage  | \$ 1.72       |
| Certified Fee                                  | \$3.10        |
| Return Receipt Fee (Endorsement Required)      | \$2.55        |
| Restricted Delivery Fee (Endorsement Required) | \$0.00        |
| <b>Total</b>                                   | <b>\$7.37</b> |

Postmark Here  
 MAY - 8 2013  
 CORONADO STATION

Sent To: **COG Operating, LLC**  
**Concho Oil & Gas Company**  
 Street, or PO: **600 W. Illinois Ave.**  
 City, St: **One Concho Center**  
**Midland, Texas 79701**

PS Form 3800, August 2005 See Reverse for Instructions

7012 2920 0002 1384 8027

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DALLAS TX 75382

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|--|---------------|
| Postage  | \$ 1.72       |
| Certified Fee                                  | \$3.10        |
| Return Receipt Fee (Endorsement Required)      | \$2.55        |
| Restricted Delivery Fee (Endorsement Required) | \$0.00        |
| <b>Total</b>                                   | <b>\$7.37</b> |

Postmark Here  
 MAY - 8 2013  
 CORONADO STATION

Sent To: **Nearburg Exploration Company**  
 Street, or PO: **P.O. Box 823085**  
 City, St: **Dallas, Texas 75382-3085**

PS Form 3800, August 2005 See Reverse for Instructions

7012 2920 0002 1604 0068

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ARTESIA NM 88210

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|--|---------------|
| Postage  | \$ 1.72       |
| Certified Fee                                  | \$3.10        |
| Return Receipt Fee (Endorsement Required)      | \$2.55        |
| Restricted Delivery Fee (Endorsement Required) | \$0.00        |
| <b>Total</b>                                   | <b>\$7.37</b> |

Postmark Here  
 MAY - 8 2013  
 CORONADO STATION

Sent To: **Yates Petroleum Corporation**  
 Street, or PO: **105 S. Fourth Street**  
 City, St: **Artesia, New Mexico 88210**

PS Form 3800, August 2005 See Reverse for Instructions

7012 2920 0002 1384 8164

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MIDLAND TX 79705

|  |               |
|--|---------------|
| Postage  | \$ 1.72       |
| Certified Fee                                  | \$3.10        |
| Return Receipt Fee (Endorsement Required)      | \$2.55        |
| Restricted Delivery Fee (Endorsement Required) | \$0.00        |
| <b>Total</b>                                   | <b>\$7.37</b> |

Postmark Here  
 MAY - 8 2013  
 CORONADO STATION

Sent To: **Occidental Permian Ltd. Part.**  
 Street, or PO: **P.O. Box 50250**  
 City, St: **Midland, Texas 79705**

PS Form 3800, August 2005 See Reverse for Instructions

7012 2920 0002 1384 8010

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IRVING TX 75039

|  |               |
|--|---------------|
| Postage  | \$ 1.72       |
| Certified Fee                                  | \$3.10        |
| Return Receipt Fee (Endorsement Required)      | \$2.55        |
| Restricted Delivery Fee (Endorsement Required) | \$0.00        |
| <b>Total</b>                                   | <b>\$7.37</b> |

Postmark Here  
 MAY - 8 2013  
 CORONADO STATION

Sent To: **Pioneer Natural Resources, USA**  
 Street, or PO: **1400 Williams Square West**  
 City, St: **5205 N. O'Connor Blvd.**  
**Irving, Texas 75039**

PS Form 3800, August 2005 See Reverse for Instructions

7012 2920 0002 1384 8041

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|--|---------------|---|
| Postage  | \$ 1.72       | 0501<br>Postmark<br>Here<br><b>MAY - 8 2013</b><br>05/08/2013<br>CORONADO STATION |
| Certified Fee                                  | \$3.10        |   |
| Return Receipt Fee (Endorsement Required)      | \$2.55        |   |
| Restricted Delivery Fee (Endorsement Required) | \$0.00        |   |
| <b>Total</b>                                   | <b>\$7.37</b> |   |

Sent **Oxy USA WTP Ltd. Partnership**  
 Street or PO **6 Desta Drive, Suite 6000**  
 City **Midland, Texas 79705**

PS Form 3800, August 2006 See Reverse for Instructions

7012 2920 0002 1384 8034

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|--|---------------|---|
| Postage  | \$ 1.72       | 0501<br>Postmark<br>Here<br><b>MAY - 8 2013</b><br>05/08/2013<br>CORONADO STATION |
| Certified Fee                                  | \$3.10        |   |
| Return Receipt Fee (Endorsement Required)      | \$2.55        |   |
| Restricted Delivery Fee (Endorsement Required) | \$0.00        |   |
| <b>Total</b>                                   | <b>\$7.37</b> |   |

Sent **McBride Oil & Gas Corporation**  
 Street or PO **400 N. Pennsylvania Ave.**  
 City **Roswell, New Mexico 88201**

PS Form 3800, August 2006 See Reverse for Instructions

7012 2920 0002 1384 8072

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| Certified Fee                                  | \$3.10        |   |
| Return Receipt Fee (Endorsement Required)      | \$2.55        |   |
| Restricted Delivery Fee (Endorsement Required) | \$0.00        |   |
| <b>Total</b>                                   | <b>\$7.37</b> |   |

Sent **Kaywal, Inc.**  
 Street or PO **P.O. Box 1060**  
 City **Roswell, New Mexico 88202**

PS Form 3800, August 2006 See Reverse for Instructions

7012 2920 0002 1384 8058

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|--|---------------|---|
| Postage  | \$ 1.72       | 0501<br>Postmark<br>Here<br><b>MAY - 8 2013</b><br>05/08/2013<br>CORONADO STATION |
| Certified Fee                                  | \$3.10        |   |
| Return Receipt Fee (Endorsement Required)      | \$2.55        |   |
| Restricted Delivery Fee (Endorsement Required) | \$0.00        |   |
| <b>Total</b>                                   | <b>\$7.37</b> |   |

Sent **H & S Oil, LLC**  
 Street or PO **P.O. Box 186**  
 City **Artesia, New Mexico 88211**

PS Form 3800, August 2006 See Reverse for Instructions

7012 2920 0002 1384 8078

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| Postage  | \$ 1.72       | 0501<br>Postmark<br>Here<br><b>MAY - 8 2013</b><br>05/08/2013<br>CORONADO STATION |
| Certified Fee                                  | \$3.10        |   |
| Return Receipt Fee (Endorsement Required)      | \$2.55        |   |
| Restricted Delivery Fee (Endorsement Required) | \$0.00        |   |
| <b>Total</b>                                   | <b>\$7.37</b> |   |

Sent **ConocoPhillips Company**  
 Street or PO **P.O. Box 2197**  
 City **Houston, Texas 77252**

PS Form 3800, August 2006 See Reverse for Instructions

7012 2920 0002 1384 8089

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|--|---------------|---|
| Postage  | \$ 1.72       | 0501<br>Postmark<br>Here<br><b>MAY - 8 2013</b><br>05/08/2013<br>CORONADO STATION |
| Certified Fee                                  | \$3.10        |   |
| Return Receipt Fee (Endorsement Required)      | \$2.55        |   |
| Restricted Delivery Fee (Endorsement Required) | \$0.00        |   |
| <b>Total</b>                                   | <b>\$7.37</b> |   |

Sent **Chisos, Ltd.**  
 Street or PO **670 Donna Ana Road SW**  
 City **Deming, New Mexico 88030**

PS Form 3800, August 2006 See Reverse for Instructions

7012 2920 0002 1384 8119

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|---|---------|
| For delivery information visit our website at www.usps.com  |         |
| ARTESIA, NM 88211   |         |
| OFFICIAL USE  |         |
| Postage   | \$ 1.72 |
| Certified Fee   | \$3.10  |
| Return Receipt Fee<br>(Endorsement Required)  | \$2.55  |
| Restricted Delivery Fee<br>(Endorsement Required)   | \$0.00  |
| Total   | \$7.37  |

Postmark Here  
MAY - 8 2013

Sent To  
Yates Industries, LLC  
P.O. Box 1091  
Artesia, New Mexico 88211-1091

PS Form 3800, August 2008

7012 2920 0002 1384 8133

| U.S. Postal Service™<br>CERTIFIED MAIL™ RECEIPT<br>(Domestic Mail Only; No Insurance Coverage Provided) |         |
|---|---------|
| For delivery information visit our website at www.usps.com  |         |
| MIDLAND, TX 79702   |         |
| OFFICIAL USE  |         |
| Postage   | \$ 1.72 |
| Certified Fee   | \$3.10  |
| Return Receipt Fee<br>(Endorsement Required)  | \$2.55  |
| Restricted Delivery Fee<br>(Endorsement Required)   | \$0.00  |
| Total   | \$7.37  |

Postmark Here  
MAY - 8 2013

Sent To  
Marathon Oil Company  
P.O. Box 552  
Midland, Texas 79702

PS Form 3800, August 2008

7012 2920 0002 1384 8102

| U.S. Postal Service™<br>CERTIFIED MAIL™ RECEIPT<br>(Domestic Mail Only; No Insurance Coverage Provided) |         |
|---|---------|
| For delivery information visit our website at www.usps.com  |         |
| ARTESIA, NM 88211   |         |
| OFFICIAL USE  |         |
| Postage   | \$ 1.72 |
| Certified Fee   | \$3.10  |
| Return Receipt Fee<br>(Endorsement Required)  | \$2.55  |
| Restricted Delivery Fee<br>(Endorsement Required)   | \$0.00  |
| Total   | \$7.37  |

Postmark Here  
MAY - 8 2013

Sent To  
Sharbro Energy, LLC  
P.O. Box 840  
Artesia, New Mexico 88211-0840

PS Form 3800, August 2008

7012 2920 0002 1384 8126

| U.S. Postal Service™<br>CERTIFIED MAIL™ RECEIPT<br>(Domestic Mail Only; No Insurance Coverage Provided) |         |
|---|---------|
| For delivery information visit our website at www.usps.com  |         |
| OKLAHOMA CITY, OK 73102   |         |
| OFFICIAL USE  |         |
| Postage   | \$ 1.72 |
| Certified Fee   | \$3.10  |
| Return Receipt Fee<br>(Endorsement Required)  | \$2.55  |
| Restricted Delivery Fee<br>(Endorsement Required)   | \$0.00  |
| Total   | \$7.37  |

Postmark Here  
MAY - 8 2013

Sent To  
Khody Land & Minerals Co.  
210 Park Avenue, Suite 900  
Oklahoma City, Oklahoma 73102

PS Form 3800, August 2008

7012 2920 0002 1384 8140

| U.S. Postal Service™<br>CERTIFIED MAIL™ RECEIPT<br>(Domestic Mail Only; No Insurance Coverage Provided) |         |
|---|---------|
| For delivery information visit our website at www.usps.com  |         |
| SOUTHLAKE, TX 76092   |         |
| OFFICIAL USE  |         |
| Postage   | \$ 1.72 |
| Certified Fee   | \$3.10  |
| Return Receipt Fee<br>(Endorsement Required)  | \$2.55  |
| Restricted Delivery Fee<br>(Endorsement Required)   | \$0.00  |
| Total   | \$7.37  |

Postmark Here  
MAY - 8 2013

Sent To  
Richard Lyons Moore  
Trustee: Richard Lyons Moore 2006  
Trust dated 12/15/98  
1150 North Carroll Avenue  
Southlake, Texas 76092

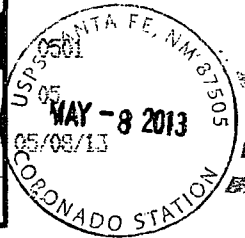
PS Form 3800, August 2008

Registered No.

RE148164686US

Date Stamp

|                                   |                 |         |                            |
|-----------------------------------|-----------------|---------|----------------------------|
| To Be Completed<br>By Post Office | Reg. Fee        | \$12.95 |                            |
|                                   | Handling Charge | \$0.00  | Return Receipt \$0.00      |
|                                   | Postage         | \$2.85  | Restricted Delivery \$0.00 |
|                                   | Received by     |         |                            |

Customer Must Declare  
Full Value \$40.00Domestic Insurance up to \$25,000 is included  
based upon the declared value. International  
Indemnity is limited. (See Reverse).

## OFFICIAL USE

To Be Completed By Customer  
(Please Print)  
All Entries Must Be in Ballpoint or Typed

|      |                                       |
|------|---------------------------------------|
| FROM | Apache Corporation                    |
|      | 303 Veterans Airport Lane, Suite 3000 |
|      | Midland, Texas 79705                  |
| TO   | Dee Family Revocable Trust            |
|      | 5852 Tillicom Bay Rd.                 |
|      | B.C. Von 3A4                          |

PS Form 3806, **Receipt for Registered Mail** Copy 1 - Customer  
 May 2007 (7530-02-000-9051) (See Information on Reverse)  
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# Affidavit of Publication

NO.

22545

STATE OF NEW MEXICO

County of Eddy:

Danny Scott

being duly sworn, says that he is the

**Publisher**

of the Artesia Daily Press, a daily newspaper of general circulation, published in English at Artesia, said county and state, and that the hereto attached

## Legal Notice

was published in a regular and entire issue of the said Artesia Daily Press, a daily newspaper duly qualified for that purpose within the meaning of Chapter 167 of the 1937 Session Laws of the state of New Mexico for 1 Consecutive weeks/days on the same

day as follows:

First Publication: May 8, 2013

Second Publication:

Third Publication:

Fourth Publication:

Fifth Publication:

Subscribed and sworn to before me this

8th day of May 2013



OFFICIAL SEAL  
Latisha Romine  
NOTARY PUBLIC-STATE OF NEW MEXICO

My commission expires: 5/12/2015

*Latisha Romine*

Latisha Romine

Notary Public, Eddy County, New Mexico

# Copy of Publication:

## LEGAL NOTICE

TO: Marsha June Hickson  
Louetta Rowley Morton  
Sally Marie Morton  
Deborah Anne Morton  
All Other Interested Parties

Apache Corporation, 303 Veterans Airpark Lane, Suite 3000, Midland, Texas 79705 has filed a Form C-108 (Application for Authorization to Inject) with the Oil Conservation Division ("Division") seeking to amend Division Order No. SWD-1380, which order authorized Apache to utilize its Washington 34 State SWD No. 2 (API No. 30-015-41009) located 590 feet from the South line and 1705 feet from the West line (Unit N) of Section 34, Township 17 South, Range 28 East, NMPM, Eddy County, New Mexico, as a produced water disposal well, injection authorized into the Devonian/Ellenberger formations through the perforated interval from 11,504 feet to 12,700 feet. Apache now seeks authorization to complete the well as a produced water disposal well in the Wolfcamp/Cisco interval through perforations from approximately 7,401 feet to 9,137 feet.

Produced water from the Glorieta & Yeso formations originating from Apache Corporation operated wells in this area will be injected into the Washington 34 State SWD No. 2 at average and maximum rates of 4,000 and 15,000 barrels of water per day, respectively. The initial surface injection pressure for the well is anticipated to be at or below 1,480 psi, which is in compliance with Division regulations. The maximum surface injection pressure will be determined by step rate injection test.

Interested parties must file objections with the New Mexico Oil Conservation Division, 1220 S. St Francis Drive, Santa Fe, New Mexico 87505, within 15 days of the date of this publication.

Additional information can be obtained by contacting Mr. David Catanach Agent, Apache Corporation at (505) 690-9453.

Published in the Artesia Daily Press, Artesia, N.M., May 8, 2013. Legal No 22545.