

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

HOBBS OCD

Form C-141  
Revised October 10, 2003

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

AUG 09 2012 Submit 2 Copies to appropriate  
District Office in accordance  
with Rule 116 on back  
side of form

RECEIVED

### Release Notification and Corrective Action

#### OPERATOR

Initial Report  Final Report

|   |                            |
|---|----------------------------|
| Name of Company Apache Corporation              | Contact Natalie Gladden    |
| Address P.O. Box 1849 Eunice, NM 88231          | Telephone No. 575-390-4186 |
| Facility Name Elliott A Battery (Elliott A #10) | Facility Type Production   |
| Surface Owner Apache Corp                       | Mineral Owner State of NM  |
| Lease No. 30-025-39151                          |                            |

#### LOCATION OF RELEASE

| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|--------|
| A           | 21      | 21S      | 37E   | 660           | FNL              | 330           | FEL            | Lea    |

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

#### NATURE OF RELEASE

|  |   |                                     |
|--|---|-------------------------------------|
| Type of Release Oil and Water  | Volume of Release 150bbls                 | Volume Recovered 140bbls            |
| Source of Release Firetube   | Date and Hour 12/25/09                    | Date and Hour of Discovery 12/25/09 |
| Was Immediate Notice Given?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom?<br>Jeff Leking           |                                     |
| By Whom? Natalie Gladden   | Date and Hour 12/29/09 8am                |                                     |
| Was a Watercourse Reached?<br><input type="checkbox"/> Yes <input type="checkbox"/> No   | If YES, Volume Impacting the Watercourse. |                                     |
| If a Watercourse was Impacted, Describe Fully.*  |   |                                     |

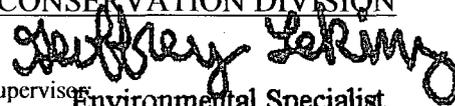
#### Describe Cause of Problem and Remedial Action Taken.\*

Firetube busted releasing fluid inside the lined battery, then the circulating pump was not shut in, therefore more fluid was released on the outside of the bermed area and on the location itself.

#### Describe Area Affected and Cleanup Action Taken.\*

Standing fluid was picked up and part of the fluid was put back into the system. Location was excavated and met the NMOCD Guidelines. Inside the lined battery, the contamination was hand dug and hauled to disposal as well. Then fresh chat will be placed back inside the bermed area.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

|  |   |  |
|--|---|--|
| Signature:  | <b>OIL CONSERVATION DIVISION</b>  |  |
| Printed Name: Natalie Gladden  | <br>Approved by District Supervisor<br><b>Environmental Specialist</b> |  |
| Title: Environmental Tech  | Approval Date: 8/9/12   | Expiration Date: -                                 |
| E-mail Address: natalie.gladden@apachecorp.com   | Conditions of Approval: -   | Attached <input type="checkbox"/><br>IRP-10-1-2403 |
| Phone: 575-390-4186  |   |  |

\* Attach Additional Sheets If Necessary

JUN 23 2014



HOBBS OCD

AUG 09 2012

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Elliott A Battery

Nearest well (Elliott A #10)

Lea County

Unit A, 21, 21S, 37E

660' FNL and 330' FEL

API # 30-025-39151

Release Date: 12/25/09

Prepared by: Natalie Gladden

Apache Corporation

HOBBS OCD

AUG 09 2012

RECEIVED

Dear Geoffrey,

Attached you will find a copy of the original C141, Final C141, a diagram of the contamination area along with sample points with sample results and final analyticals taken from this site.

With this information that is provided, Apache Corporation respectfully requests your review and approval of the closure document for the produced water release that occurred at the Apache Elliott A Battery.

If you have any questions or concerns, please feel free to contact me at any time.

Sincerely,

A handwritten signature in black ink that reads "Natalie Gladden". The signature is written in a cursive style with a large initial "N".

Natalie Gladden

EH&S Environmental Tech

Permian New Mexico District

The purpose of this report is to document the remediation activities and present supporting analytical data to the NMOCD, requesting closure of the referenced produced water and hydrocarbon release incident in accordance with the Guidelines for Remediation of Leaks, Spills and Releases.

On December 25<sup>th</sup> 2009, the fire-tube busted releasing fluid inside the lined battery, then the circulating pump was not shut in, therefore more fluid was released on the outside of the bermed area. The pea gravel from inside the lined facility was had excavated and hauled to disposal, with replacement of pea gravel. The contaminated area outside of the berm area; Sample 1 at 352-ppm was left in place due to protecting the liner, Sample two was excavated to 288-ppm due to a buried line, Sample 3 and 4 were excavated to below the levels of 250-ppm and Sample 5 was excavated to 288-ppm due to lines in the area.

The contaminated soil was excavated, 1,008 cubic yards of contaminated soil was hauled to Sundance Disposal. 36 cubic yards of chat was hauled in to replace the contaminated soil inside the lined facility. 936 cubic yards of caliche was purchased from a local land owner for backfill.

Based on the analytical results of the confirmation soil samples collected from the excavation and which ranges varied due to on site specific situations.

Consequently, no further action is recommended or planned for this site at this time and on behalf of Apache Corporation we respectfully request that the NMOCD grant closure for the Elliott A Battery Release.

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State of New Mexico  
Energy Minerals and Natural Resources **SENT**  
Oil Conservation Division **JAN 07 2010**  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

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Revised October 10, 2003

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| Surface Owner Apache Corp                       | Mineral Owner State of NM  |
| Lease No. 30-025-39151                          |                            |

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|  |  |                                   |
|--|--|-----------------------------------|
| Signature: <i>Natalie Gladden</i>            | <b>OIL CONSERVATION DIVISION</b>                 |                                   |
| Printed Name: Natalie Gladden                | Environmental Specialist<br><i>Stacy Johnson</i> |                                   |
| Title: Environmental Tech                    | Approved by District Supervisor:                 | Expiration Date:                  |
| mail Address: natalie.gladden@apachecorp.com | Approval Date:                                   | Expiration Date:                  |
| ate: 1/7/10 Phone: 575-390-4186              | Conditions of Approval:                          | Attached <input type="checkbox"/> |

\* Attach Additional Sheets If Necessary



**ARDINAL  
LABORATORIES**

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

---

April 13, 2010

Natalie Gladden  
Apache Corporation  
P.O. Box 1849  
Eunice, NM 88231

Re: Elliott A Battery

Enclosed are the results of analyses for sample number H19635, received by the laboratory on 04/09/10 at 2:15 pm.

Cardinal Laboratories is accredited through Texas NELAP for:

|                    |  |
|--------------------|--|
| Method SW-846 8021 | Benzene, Toluene, Ethyl Benzene, and Total Xylenes |
| Method SW-846 8260 | Benzene, Toluene, Ethyl Benzene, and Total Xylenes |
| Method TX 1005     | Total Petroleum Hydrocarbons                       |

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

|                  |                              |
|------------------|------------------------------|
| Method EPA 552.2 | Haloacetic Acids (HAA-5)     |
| Method EPA 524.2 | Total Trihalomethanes (TTHM) |
| Method EPA 524.2 | Regulated VOCs (V2, V3)      |

Accreditation applies to public drinking water matrices.

Total Number of Pages of Report: 3 (includes Chain of Custody)

Sincerely,

Celey D. Keene  
Laboratory Director



ANALYTICAL RESULTS FOR  
 APACHE CORPORATION  
 ATTN: NATALIE GLADDEN  
 P.O. BOX 1849  
 EUNICE, NM 88231

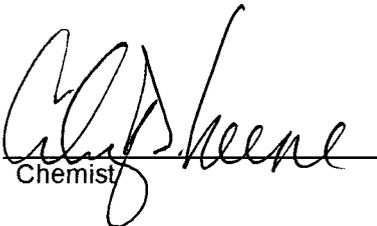
Receiving Date: 04/09/10  
 Reporting Date: 04/12/10  
 Project Owner: NOT GIVEN  
 Project Name: ELLIOTT A BATTERY  
 Project Location: NOT GIVEN

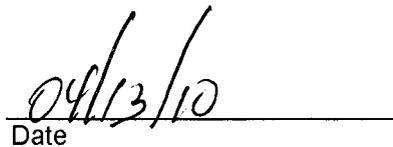
Analysis Date: 04/12/10  
 Sampling Date: 03/17/10  
 Sample Type: SOIL  
 Sample Condition: INTACT @ 13°C  
 Sample Received By: AB  
 Analyzed By: HM

| LAB NUMBER                  | SAMPLE ID | Cl <sup>-</sup><br>(mg/kg) |
|-----------------------------|-----------|----------------------------|
| H19635-1                    | SP1       | 352                        |
| H19635-2                    | SP2       | 288                        |
| H19635-3                    | SP3       | 208                        |
| H19635-4                    | SP4       | 96                         |
| H19635-5                    | SP5       | 288                        |
|                             |           |                            |
|                             |           |                            |
|                             |           |                            |
|                             |           |                            |
|                             |           |                            |
|                             |           |                            |
|                             |           |                            |
|                             |           |                            |
| Quality Control             |           | 500                        |
| True Value QC               |           | 500                        |
| % Recovery                  |           | 100                        |
| Relative Percent Difference |           | 4.1                        |

|                          |                        |
|--------------------------|------------------------|
| METHOD: Standard Methods | 4500-Cl <sup>-</sup> B |
|--------------------------|------------------------|

Note: Analyses performed on 1:4 w:v aqueous extracts.

  
 Chemist

  
 Date

H19635 APACHE

PLEASE NOTE: **Liability and Damages.** Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



# ARDINAL LABORATORIES

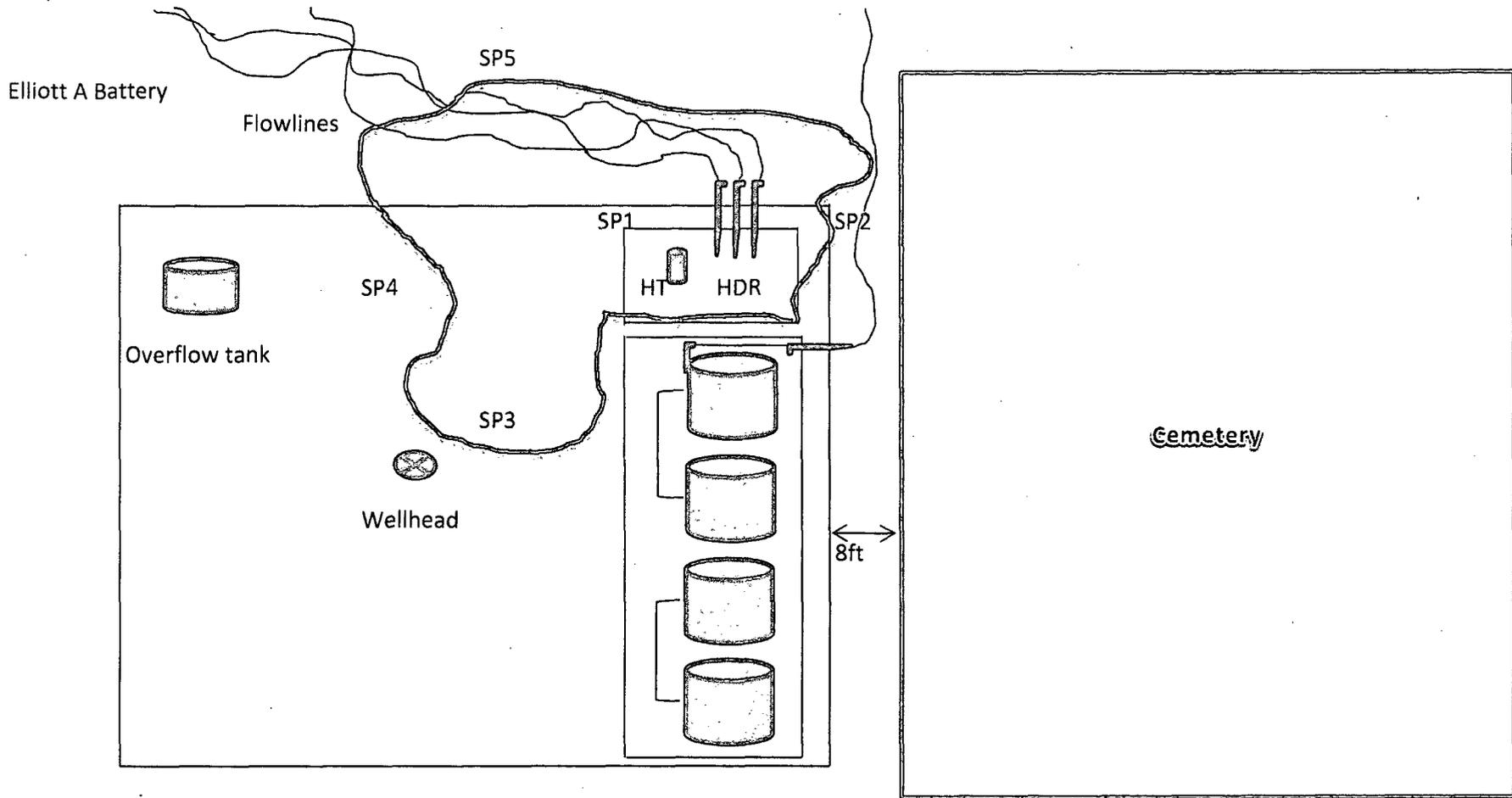
101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

|                                  |             |                  |              |             |            |                         |     |          |         |           |  |  |  |  |  |  |  |  |  |            |            |         |      |        |
|----------------------------------|-------------|------------------|--------------|-------------|------------|-------------------------|-----|----------|---------|-----------|--|--|--|--|--|--|--|--|--|------------|------------|---------|------|--------|
| Company Name: APACHE CORPORATION |             | <b>BILL TO</b>   |              |             |            | <b>ANALYSIS REQUEST</b> |     |          |         |           |  |  |  |  |  |  |  |  |  |            |            |         |      |        |
| Project Manager: NATALIE GLADDEN |             | P.O. #:          |              |             |            |                         |     |          |         |           |  |  |  |  |  |  |  |  |  |            |            |         |      |        |
| Address: P.O. BOX 1849           |             | Company:         |              |             |            |                         |     |          |         |           |  |  |  |  |  |  |  |  |  |            |            |         |      |        |
| City: EUNICE St NM Zip #         |             | Attn:            |              |             |            |                         |     |          |         |           |  |  |  |  |  |  |  |  |  |            |            |         |      |        |
| Phone #: 575-390-4186 Fax #:     |             | Address:         |              |             |            |                         |     |          |         |           |  |  |  |  |  |  |  |  |  |            |            |         |      |        |
| Project #: Project Owner:        |             | City:            |              |             |            |                         |     |          |         |           |  |  |  |  |  |  |  |  |  |            |            |         |      |        |
| Project Name: ELLIOTT A BATTERY  |             | State: Zip:      |              |             |            |                         |     |          |         |           |  |  |  |  |  |  |  |  |  |            |            |         |      |        |
| Project Location:                |             | Phone #:         |              |             |            |                         |     |          |         |           |  |  |  |  |  |  |  |  |  |            |            |         |      |        |
| Sampler Name: NATALIE GLADDEN    |             | Fax #:           |              |             |            |                         |     |          |         |           |  |  |  |  |  |  |  |  |  |            |            |         |      |        |
| FOR LAB USE ONLY                 |             |                  |              | MATRIX      |            | PRESERV.                |     | SAMPLING |         | CHLORIDES |  |  |  |  |  |  |  |  |  |            |            |         |      |        |
| Lab I.D.                         | Sample I.D. | (G)RABOR (C)OMP. | # CONTAINERS | GROUNDWATER | WASTEWATER | SOIL                    | OIL | SLUDGE   | OTHER : |           |  |  |  |  |  |  |  |  |  | ACID/BASE: | ICE / COOL | OTHER : | DATE | TIME   |
| H19635-1                         | SP1         |                  |              |             |            | X                       |     |          |         |           |  |  |  |  |  |  |  |  |  |            |            |         | 3/17 | 7AM    |
| -2                               | SP2         |                  |              |             |            | X                       |     |          |         |           |  |  |  |  |  |  |  |  |  |            |            |         | 3/17 | 730AM  |
| -3                               | SP3         |                  |              |             |            | X                       |     |          |         |           |  |  |  |  |  |  |  |  |  |            |            |         | 3/17 | 745AM  |
| -4                               | SP4         |                  |              |             |            | X                       |     |          |         |           |  |  |  |  |  |  |  |  |  |            |            |         | 3/17 | 0810AM |
| -5                               | SP5         |                  |              |             |            | X                       |     |          |         |           |  |  |  |  |  |  |  |  |  |            |            |         | 3/17 | 825AM  |
|                                  |             |                  |              |             |            |                         |     |          |         |           |  |  |  |  |  |  |  |  |  |            |            |         |      |        |

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

|  |  |  |   |
|--|--|--|---|
| Relinquished By:<br>NATALIE GLADDEN                        | Date:<br>4/9/2010<br>Time:   | Received By:                           | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: |
| Relinquished By:<br><i>Natalie Gladden</i>                 | Date:<br>4/9/10<br>Time:<br>2:15p  | Received By:<br><i>CB</i>              | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:     |
| Delivered By: (Circle One)<br>Sampler - UPS - Bus - Other: | Sample Condition<br>Cool Intact<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br><input type="checkbox"/> Yes <input type="checkbox"/> No | CHECKED BY:<br>(Initials)<br><i>AB</i> | REMARKS:<br><br>EMAIL TO natalie.gladden@apachecorp.com                               |



Facility is lined, no samples were taken

 flowlines

 previous release

| Samp ID | Chlorides |
|---------|-----------|
| SP1     | 352-ppm   |
| SP2     | 288-ppm   |
| SP3     | 208-ppm   |
| SP4     | 96-ppm    |
| SP5     | 288-ppm   |