

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
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

HOBBS OCD

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

AUG 09 2012

RECEIVED

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

| | |
|--------------------------------------|----------------------------|
| Name of Company Apache Corporation | Contact Natalie Gladden |
| Address PO Box 1849, Eunice NM 88231 | Telephone No. 575-390-4186 |
| Facility Name Maxwell #1 | Facility Type Producer |
| Surface Owner Deck Estate | Mineral Owner NMOCD |
| Lease No. 30-025-08921 | |

LOCATION OF RELEASE

| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|--------|
| C | 16 | 22S | 36E | 660' | FNL | 1980' | FWL | Lea |

Latitude _____ Longitude _____

NATURE OF RELEASE

| | | |
|--|--|---|
| Type of Release Produced water/skim of oil | Volume of Release 7-8bbls | Volume Recovered None |
| Source of Release Stuffing box leak | Date and Hour of Occurrence 06/28/2010 134pm | Date and Hour of Discovery 06/28/2010 134pm |
| Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom? Larry Johnson | |
| By Whom? Natalie Gladden | Date and Hour 06/28/2010 315pm | |
| Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | If YES, Volume Impacting the Watercourse. | |

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

Saturated soil was excavated immediately due to most of the fluid had soaked into the ground, large rain event was headed our way. The soil was excavated and hauled to Sundance Services.

Describe Area Affected and Cleanup Action Taken.*

Due to contamination only being around the wellhead and a gas line running beside unit, the contamination was only cleaned to <864-ppm. Verbal approval from Larry Johnson to cease remediation. Ground water at approximately 173' bgs.

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:  | OIL CONSERVATION DIVISION  Approved by District Supervisor Environmental Specialist | |
| Printed Name: Natalie Gladden | Approval Date: 8/9/12 | Expiration Date: - |
| Title: EHS Environmental Tech | Conditions of Approval: - | Attached <input type="checkbox"/> |
| E-mail Address: natalie.gladden@apachecorp.com | IRP-06-14-3067 | |
| 07/27/12 Phone: 575-390-4186 | | |

* Attach Additional Sheets If Necessary



HOBBS OCD

AUG 09 2012

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Maxwell #1

Lea County

Unit C, 16, 22S, 36E

660' FNL and 1980' FWL

API # 30-025-08921

Release Date: 06/28/10

Prepared by: Natalie Gladden

Apache Corporation

HOBBS OCD

Dear Geoffrey,

AUG 09 2012

RECEIVED

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 Maxwell #1.

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

Sincerely,

A handwritten signature in dark ink, appearing to read "Natalie Gladden". The signature is fluid and cursive, with the first name "Natalie" and last name "Gladden" clearly distinguishable.

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 release incident in accordance with the Guidelines for Remediation of Leaks, Spills and Releases, with a Risk Based Closure.

On June 28th 2010, the stuffing box leaked due to packing issues. Approximately 7-8bbls of produced water was released and we were unable to recover any fluid because the product saturated before a vacuum truck could respond. The depth to ground water in this area is approximately 173' bgs. The fluid that was released filled up the cellar and surrounded the pump jack base on each side. Due to safety concerns, Larry Johnson was contacted for verbal permission to Risk this remediation out due to safety concerns of the pump jack sinking if we exposed the soil around it. Site plan was approved.

The contaminated soil was excavated to a depth of 2' around the base and 4' around the wellhead. 180 cubic yards of contaminated soil was excavated and hauled to Sundance Services for disposal. 194 cubic yards of clean soil was purchased from a local landowner for backfill. Attached you will find the sample map that indicates that soil above the 250-ppm chloride threshold was left in place. When this well is plugged and abandoned, the remediation will continue to reach the <250-ppm chloride standard.

Based on the analytical results of the confirmation soil samples and the site specific safety concerns that were encountered during our remediation process, Apache Corporation would like to request that this remediation be closed under the Risk Based Closure Plan. Consequently no further action is recommended at this time until the well is plugged and abandoned.

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Energy Minerals and Natural Resources
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1220 South St. Francis Dr.
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SENT

Form C-141
Revised October 10, 2003

JUL 30 2010 Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

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|-----------------|------------------------------|---------------|-----------------|
| Name of Company | Apache Corporation | Contact | Natalie Gladden |
| Address | PO Box 1849, Eunice NM 88231 | Telephone No. | 575-390-4186 |
| Facility Name | Maxwell #1 | Facility Type | Producer |

| | | | | | |
|---------------|-------------|---------------|-------|-----------|--------------|
| Surface Owner | Deck Estate | Mineral Owner | NMOCD | Lease No. | 30-025-08921 |
|---------------|-------------|---------------|-------|-----------|--------------|

LOCATION OF RELEASE

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|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|--------|
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| C | 16 | 22S | 36E | 660' | FNL | 1980' | FWL | Lea |

Latitude _____ Longitude _____

NATURE OF RELEASE

| | | | | | |
|-----------------------------|---|---|------------------|----------------------------|------------------|
| Type of Release | Produced water/skim of oil | Volume of Release | 7-8bbls | Volume Recovered | None |
| Source of Release | Stuffing box leak | Date and Hour of Occurrence | 06/28/2010 134pm | Date and Hour of Discovery | 06/28/2010 134pm |
| Was Immediate Notice Given? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom? | Larry Johnson | | |
| By Whom? | Natalie Gladden | Date and Hour | 06/28/2010 315pm | | |
| Was a Watercourse Reached? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | If YES, Volume Impacting the Watercourse. | | | |

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Describe Cause of Problem and Remedial Action Taken.*

Saturated soil was excavated immediately due to most of the fluid had soaked into the ground, large rain event was headed our way. The soil was excavated and hauled to Sundance Services.

Describe Area Affected and Cleanup Action Taken.*

Remediation will cease once the NMOCD Rules and Guidelines are followed to closure.

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:  | OIL CONSERVATION DIVISION | | |
| Printed Name: Natalie Gladden | Approved by District Supervisor: | | |
| Title: EHS Environmental Tech | Approval Date: | Expiration Date: | |
| E-mail Address: natalie.gladden@apachecorp.com | Conditions of Approval: | | Attached <input type="checkbox"/> |
| Date: 07/10/2010 Phone: 575-390-4186 | | | |

* Attach Additional Sheets If Necessary



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

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

Receiving Date: 07/30/10
Reporting Date: 08/02/10
Project Owner: NOT GIVEN
Project Name: NOT GIVEN
Project Location: MAXWELL #1

Analysis Date: 08/02/10
Sampling Date: 07/21/10
Sample Type: SOIL
Sample Condition: INTACT @ 25°C
Sample Received By: JH
Analyzed By: HM

| LAB NUMBER | SAMPLE ID | Cl ⁻ (mg/kg) |
|-----------------------------|-----------|----------------------------|
| H20502-1 | SP1 NW | 720 |
| H20502-2 | SP2 NE | 864 |
| H20502-3 | SP3 SW | 848 |
| H20502-4 | SP4 SE | 544 |
| H20502-5 | CENTER | 400 |
| | | |
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| | | |
| | | |
| | | |
| Quality Control | | 500 |
| True Value QC | | 500 |
| % Recovery | | 100 |
| Relative Percent Difference | | < 0.1 |

METHOD: Standard Methods

4500-Cl-B

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

Chemist

08/04/10
Date

H20502 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.



CARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|-------------------|--|------------------|--|--------|--|-----|--|----------|--|----------|--|------------|--|------------|--|---------|--|-------------|--|-------------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Company Name: <u>Apene</u> | | BILL TO | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Manager: <u>Natalie Gladden</u> | | P.O. #: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Address: | | Company: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| City: | | Attn: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| State: | | Address: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Zip: | | City: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Phone #: | | State: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fax #: | | Zip: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project #: | | Phone #: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Owner: | | Fax #: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Name: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Location: <u>Maxwell #1</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler Name: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | | # CONTAINERS | | MATRIX | | | | PRESERV. | | SAMPLING | | | | | | | | | | | | | | | | | | | | | | | |
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| <u>H05021</u> <u>ISO1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> | <u>NW</u> <u>NE</u> <u>SUB</u> <u>SE</u> <u>Center</u> | GROUNDWATER | | WASTEWATER | | SOIL | | OIL | | SLUDGE | | OTHER : | | ACID/BASE: | | ICE / COOL | | OTHER : | | DATE | | TIME | | | | | | | | | | | | | |
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August 4, 2010

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

Re: Maxwell #1

Enclosed are the results of analyses for sample number H20502, received by the laboratory on 07/30/10 at 4:35 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.

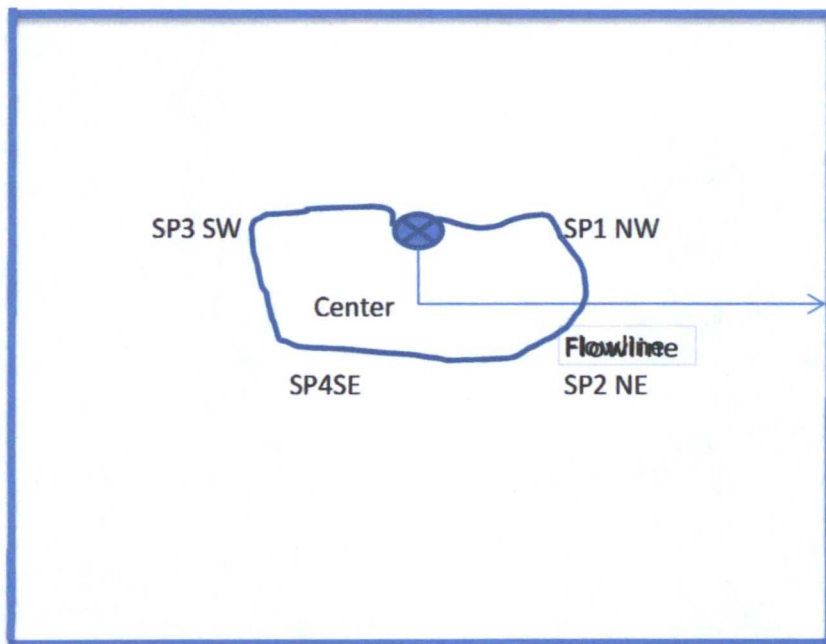
Total Number of Pages of Report: 3 (includes Chain of Custody)

Sincerely,

Celey D. Keene
Laboratory Director

Maxwell #1

Release date: 06/28/2010



| Sample ID | Cl/mg/kg |
|-----------|----------|
| SP1 | 720 |
| SP2 | 864 |
| SP3 | 848 |
| SP4 | 544 |
| SP5 | 400 |