

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

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

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

nkmw 1109738665

| | | |
|--|--|----------------------------|
| Name of Company Apache Corporation <i>873</i> | | Contact Natalie Gladden |
| Address PO Box 1849 Eunice, NM 88231 | | Telephone No. 575-390-4186 |
| Facility Name Empire Abo Unit C49 SWD (nearest well EAU C50) | | Facility Type SWD |

| | | |
|-------------------|-------------------|------------------------|
| Surface Owner BLM | Mineral Owner OCD | Lease No. 30-015-03184 |
|-------------------|-------------------|------------------------|

LOCATION OF RELEASE

| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|--------|
| K | 29 | 17S | 29E | 2310' | FSL | 1650' | FWL | Eddy |

Latitude _____ Longitude _____

NATURE OF RELEASE

| | | |
|--|---|---|
| Type of Release Produced Water | Volume of Release 525 | Volume Recovered 500 |
| Source of Release Automation failure | Date and Hour of Occurrence 03/29/11 8am | Date and Hour of Discovery 03/29/11 8am |
| Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom? Randy Dade | |
| By Whom? Natalie Gladden | Date and Hour 03/29/11 @ 3:11pm | |
| 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.*

Automation failure caused tanks to overflow. Standing fluid was vacuumed up immediately and soil was pushed up towards metal berms to keep fluid from exiting the containment walls.

Describe Area Affected and Cleanup Action Taken.*

8-10" of contaminated soil will be hand dug to keep from compromising the integrity of the tanks and vessels. The area excavated will be backfilled with caliche and pea gravel. The metal containment walls will be taken out and caliche firewalls will be installed to meet the SPCC requirements.

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.

OIL CONSERVATION DIVISION

| | | |
|--|---|------------------|
| Signature: <i>Natalie Gladden</i> | Approved by District Supervisor Signed By <i>Mike Brannan</i> | |
| Printed Name: Natalie Gladden | Approval Date: 4/7/2011 | Expiration Date: |
| Title: EHS Environmental Tech | Conditions of Approval: | |
| E-mail Address: natalie.gladden@apachecorp.com | Attached <input type="checkbox"/> | |
| Date: 03/29/11 Phone: 575-3904186 | Remediation per OCD Rules & Guidelines. SUBMIT REMEDIATION PROPOSAL NOT LATER THAN: | |

* Attach Additional Sheets If Necessary

ACCEPTED AS INITIAL REPORT ONLY.
ANALYTICAL DATA AND REMEDIATION
PROPOSAL REQUIRED

5/7/2011

2 RP. 722

Bratcher, Mike, EMNRD

From: Bratcher, Mike, EMNRD
Sent: Tuesday, March 29, 2011 3:55 PM
To: 'Gladden, Natalie'
Cc: Dade, Randy, EMNRD; Stockton, Billy
Subject: RE: Notification of Release on the Empire Abo Unit C49 SWD

Natalie,

At this time I can only accept an Initial Report Form C-141. OCD will require delineation samples be obtained for submittal to an approved lab for analyses. Once the delineation is complete, a proposal for remediation may then be submitted for consideration, based on the analytical data and the specific site ranking. Information for site ranking is available in OCD's publication "Guidelines For Remediation of Leaks, Spills and Releases". The publication is available for review on OCD website. A link is provided below.

http://www.emnrd.state.nm.us/ocd/documents/7C_spill1.pdf

If you have any questions or concerns, please contact me.

MIKE BRATCHER

NMOCD District 2
1301 W. Grand Ave.
Artesia, NM 88210
575-748-1283 Ext.108
575-626-0857
mike.bratcher@state.nm.us

From: Gladden, Natalie [<mailto:Natalie.Gladden@apachecorp.com>]
Sent: Tuesday, March 29, 2011 2:27 PM
To: Bratcher, Mike, EMNRD
Cc: Dade, Randy, EMNRD; Stockton, Billy
Subject: Notification of Release on the Empire Abo Unit C49 SWD

Mike/Randy,

Per our conversation (Randy); the above facility released 525bbbls of produced water and we were able to recovery 500bbbls of produced water. The majority of the fluid remained inside the metal wall containment; only a small amount of seepage saturated outside the metal containments from the bottom end. We had just recently inspected this location along with all of the facilities that was purchased in the BP and Marbob acquisitions for SPCC Plans. This facility needed to have the height of the containment walls raised; we will be taking out the metal containment since there is no liner at this facility. We will replace them with caliche and pea gravel berms. With your permission Apache Corporation would like to recommend that we take 8-10" of contaminated soil using the "shovel method" to keep from compromising the integrity of the vessels and tanks at this facility. Once we have taken out the majority of the contamination we will backfill with pea gravel. Once this facility is abandoned at that time Apache Corporation will remediate this site to the NMOCD Standards. The C141 will be emailed to you shortly with the original being sent in the mail. Below you will find the site specific information:

Closest Well to the C49 SWD (Empire Abo Unit C50)

30-015-03184

K-29-17S-29E

2310' FSL and 1650' FWL

If you have any questions or concerns, please do not hesitate to contact me at any of the numbers below.

Natalie Gladden

EH&S Environmental Tech

Eunice and Notree's Permian Districts

Cell 575-390-4186

Office 575-394-1503 xt 1258

natalie.gladden@apachecorp.com



Bratcher, Mike, EMNRD

From: Gladden, Natalie [Natalie.Gladden@apachecorp.com]
Sent: Tuesday, March 29, 2011 2:27 PM
To: Bratcher, Mike, EMNRD
Cc: Dade, Randy, EMNRD; Stockton, Billy
Subject: Notification of Release on the Empire Abo Unit C49 SWD
Attachments: photo1.jpg

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If you have any questions or concerns, please do not hesitate to contact me at any of the numbers below.

Natalie Gladden
EH&S Environmental Tech
Eunice and Notree's Permian Districts
Cell 575-390-4186
Office 575-394-1503 xt 1258
natalie.gladden@apachecorp.com



Bratcher, Mike, EMNRD

From: Gladden, Natalie [Natalie.Gladden@apachecorp.com]
Sent: Tuesday, March 29, 2011 2:47 PM
To: Dade, Randy, EMNRD; Bratcher, Mike, EMNRD
Subject: C141 for Empire Abo Unit C49 SWD
Attachments: 20110329154009211.pdf

As promised!

Natalie Gladden
EH&S Environmental Tech
Eunice and Notree's Permian Districts
Cell 575-390-4186
Office 575-394-1503 xt 1258
natalie.gladden@apachecorp.com

-----Original Message-----

From: ricoh.service@apachecorp.com [<mailto:ricoh.service@apachecorp.com>]
Sent: Tuesday, March 29, 2011 2:40 PM
To: Gladden, Natalie
Subject:

This E-mail was sent from "mideunr33511" (Aficio MP 3351).

Scan Date: 03.29.2011 15:40:08 (-0400)
Queries to: ricoh.service@apachecorp.com

