

1R-811-2733

**Plug & Abandon
Report**

DATE

April 7, 2014

From: [Lara Weinheimer](#)
To: [Lowe, Leonard, EMNRD](#); [VonGonten, Glenn, EMNRD](#)
Cc: ["Hack Conder"](#); ["Baker, Larry"](#); [Leking, Geoffrey R, EMNRD](#); regans@rice-ecs.com
Subject: Plug and Abandon Reports for the Apache Lou Wortham #20 (1R0711-2726) and the Lou Wortham Central Battery (1R0811-2733)
Date: Monday, April 07, 2014 2:36:09 PM
Attachments: [Apache Lou Wortham #20 \(1R0711-2726\) Plug and Abandon Report of MW-1 and MW-2.pdf](#)
[Apache Lou Wortham Central Battery \(1R0811-2733\) Plug and Abandon Report of MW-1 and MW-2.pdf](#)

Attached you will find the Plug and Abandon Reports of MW-1 and MW-2 for Apache's Lou Wortham #20 (1R0711-2726) and Lou Wortham Central Battery (1R0811-2733).

If you have any questions regarding this submission, don't hesitate to contact Hack Conder (1-575-631-6432) or myself at (1-575-441-0431).

Lara Weinheimer

Rice Environmental Consulting & Safety
Project Scientist
419 West Cain
Hobbs, NM 88240
(575) 441-0431



Rice Environmental Consulting & Safety

P.O. Box 2948, Hobbs, NM 88241
Phone 575.393.2967

April 7th, 2014

Mr. Leonard Lowe

New Mexico Energy, Minerals, & Natural Resources
Oil Conservation Division, Environmental Bureau
1220 S. St. Francis Drive
Santa Fe, New Mexico 87505

**RE: Plug and Abandon Report of MW-1 and MW-2
Apache Corporation
Lou Wortham Central Battery (1R0811-2733)
UL/C, D, E, F sec. 11 T22S R37E**

Mr. Lowe:

Apache Corporation has retained Rice Environmental Consulting and Safety (RECS) to address potential environmental concerns at the above-referenced site.

On March 5th, 2014, RECS personnel were on site to supervise the plugging and abandonment of MW-1 and MW-2 according to the Termination Request submitted to NMOCD on April 19th, 2012 and approved on February 10th, 2014. The wells were plugged with a 1-3% bentonite/concrete slurry and a three foot concrete cap.

Apache acknowledges they have met the requirements in accordance of 19.15.29 NMAC (Part 29; formally Rule 16), and the remediation plan (1R0811-2733) is terminated in accordance with 19.15.29 NMAC and no further action is required.

RECS appreciates the opportunity to work with you on this project. Please call Hack Conder at (575) 393-2967 or me if you have any questions or wish to discuss the site.

Sincerely,



Lara Weinheimer
Project Scientist
RECS
(575) 441-0431



THE DRILLING PROFESSIONALS

Plugging Report

Client	Rice Environmental Consulting and Safety
Contractor	HCI Drilling
Date Completed	03/05/2014
Site	APACHE LOU WORTHAM CENTRAL BATTERY
Well ID	MW-1
Casing Diameter	2"
Well Depth	55'
Casing Material	PVC
Plugging Material	Portland/Bentonite Slurry
Slurry Interval	3'-55'
Cement Interval	0'-3'

Copies: Email (RECS)

Kenny Cooper



THE DRILLING PROFESSIONALS

Plugging Report

Client	Rice Environmental Consulting and Safety
Contractor	HCI Drilling
Date Completed	03/05/2014
Site	APACHE LOU WORTHAM CENTRAL BATTERY
Well ID	MW-2
Casing Diameter	4"
Well Depth	85'
Casing Material	PVC
Plugging Material	Portland/Bentonite Slurry
Slurry Interval	3'-85'
Cement Interval	0'-3'

Copies: Email (RECS)

Kenny Cooper

Apache Lou Wortham Central Battery

Unit C,D,E,F Section 11, T-22-S, R-37-E



Removing MW-1, facing west 03/05/14



Removing PVC, facing west 03/05/14



Plugging MW-1 with a 1-3% bentonite/concrete slurry with a 3ft concrete cap, facing northwest 03/05/14



MW-1 Plugged, facing south 03/05/14



Removing MW-2, facing north 03/05/14



Plugging MW-2 with a 1-3% Bentonite/concrete slurry with a 3ft concrete cap, facing northwest 03/05/14



MW-2 Plugged, facing southeast 03/05/14