

AP-27

Plug & Abandon  
REPORT

DATE:

January 31, 2014

# Rice Environmental Consulting & Safety

P.O. Box 2948, Hobbs, NM 88241

Phone 575.393.2967

**January 31<sup>st</sup>, 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: Monitoring Well Plugging and Abandonment Report  
Rice Operating Company – BD SWD System  
BD E-15 Release (AP-27): UL/D & E sec. 15 T22S R37E**

Mr. Lowe:

RICE Operating Company (ROC) has retained Rice Environmental Consulting and Safety (RECS) to address potential environmental concerns at the above-referenced site in the BD Salt Water Disposal (SWD) system. ROC is the service provider (agent) for the BD SWD System and has no ownership of any portion of the pipeline, well, or facility. The system is owned by a consortium of oil producers, System Parties, who provide all operating capital on a percentage ownership/usage basis.

On December 10<sup>th</sup>, 2013, RECS personnel were on site to supervise the plugging and abandonment of MW-1, MW-2R, MW-3, MW-4, MW-6R, MW-7 and MW-8 according to the Termination Request submitted to NMOCDD on November 19<sup>th</sup>, 2013 and approved on November 21<sup>st</sup>, 2013. The wells were plugged with a 1-3% bentonite/concrete slurry and a three foot concrete cap.

ROC acknowledges they have met the requirements in accordance of 19.15.30.19 NMAC [Section 19 of (Part 30; formally Rule 19)], and the remediation plan (AP-27) is terminated in accordance with 19.15.30.19.B 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 Operating
Contractor	HCI Drilling
Date Completed	12/10/2013
Site	BD E-15
Well ID	MW-1
Casing Diameter	2"
Well Depth	95'
Casing Material	PVC
Plugging Material	Portland/Bentonite Slurry
Slurry Interval	3'-95'
Cement Interval	0'-3'

Copies: Email (RECS)

Kenny Cooper



THE DRILLING PROFESSIONALS

## Plugging Report

Client	Rice Operating
Contractor	HCI Drilling
Date Completed	12/10/2013
Site	BD E-15
Well ID	MW-2R
Casing Diameter	4"
Well Depth	120'
Casing Material	PVC
Plugging Material	Portland/Bentonite Slurry
Slurry Interval	3'-120'
Cement Interval	0'-3'

Copies: Email (RECS)

Kenny Cooper



THE DRILLING PROFESSIONALS

## Plugging Report

Client	Rice Operating
Contractor	HCI Drilling
Date Completed	12/10/2013
Site	BD E-15
Well ID	MW-3
Casing Diameter	2"
Well Depth	100'
Casing Material	PVC
Plugging Material	Portland/Bentonite Slurry
Slurry Interval	3'-100'
Cement Interval	0'-3'

Copies: Email (RECS)

Kenny Cooper



THE DRILLING PROFESSIONALS

## Plugging Report

Client	Rice Operating
Contractor	HCI Drilling
Date Completed	12/10/2013
Site	BD E-15
Well ID	MW-4
Casing Diameter	2"
Well Depth	100'
Casing Material	PVC
Plugging Material	Portland/Bentonite Slurry
Slurry Interval	3'-100'
Cement Interval	0'-3'

Copies: Email (RECS)

Kenny Cooper



THE DRILLING PROFESSIONALS

## Plugging Report

Client	Rice Operating
Contractor	HCI Drilling
Date Completed	12/10/2013
Site	BD E-15
Well ID	MW-6R
Casing Diameter	2"
Well Depth	95'
Casing Material	PVC
Plugging Material	Portland/Bentonite Slurry
Slurry Interval	3'-95'
Cement Interval	0'-3'

Copies: Email (RECS)

Kenny Cooper



THE DRILLING PROFESSIONALS

## Plugging Report

Client	Rice Operating
Contractor	HCI Drilling
Date Completed	12/10/2013
Site	BD E-15
Well ID	MW-7
Casing Diameter	2"
Well Depth	86'
Casing Material	PVC
Plugging Material	Portland/Bentonite Slurry
Slurry Interval	3'-86'
Cement Interval	0'-3'

Copies: Email (RECS)

Kenny Cooper





THE DRILLING PROFESSIONALS

## Plugging Report

Client	Rice Operating
Contractor	HCI Drilling
Date Completed	12/10/2013
Site	BD E-15
Well ID	MW-8
Casing Diameter	2"
Well Depth	90'
Casing Material	PVC
Plugging Material	Portland/Bentonite Slurry
Slurry Interval	3'-90'
Cement Interval	0'-3'

Copies: Email (RECS)

Kenny Cooper

**BD E-15 Release (AP-27)**  
**Unit Letter D&E, Section 15, T-22-S, R-37-E**



Pulling MW-1, facing northeast 12/10/13



Plugging MW-1 with a 1-3% bentonite-concrete slurry and a 3 ft concrete cap, facing west 12/10/13



MW-1 plugged and abandoned, facing west 12/10/13



Pulling MW-2R, facing southwest 12/10/13

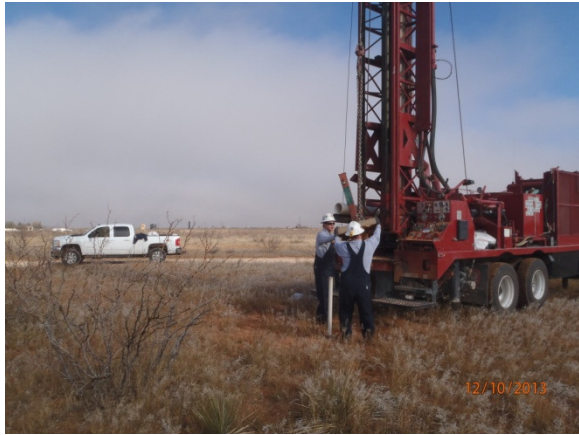


Plugging MW-2R with a 1-3% bentonite-concrete slurry and a 3 ft concrete cap, facing west 12/10/13



MW-2R plugged and abandoned, facing west 12/10/13





Pulling MW-3, facing north 12/10/13



Plugging MW-3 with a 1-3% bentonite-concrete slurry and a 3 ft concrete cap, facing north 12/10/13



MW-3 plugged and abandoned, facing north 12/10/13



Pulling MW-4, facing northeast 12/10/13



Plugging MW-4 with a 1-3% bentonite-concrete slurry and a 3 ft concrete cap, facing east 12/10/13



Pulling MW-6R, facing northeast 12/10/13





Plugging MW-6R with a 1-3% bentonite-concrete slurry and a 3 ft concrete cap, facing east  
12/10/13



MW-6R plugged and abandoned, facing southwest  
12/10/13



Pulling MW-7, facing east  
12/10/13



Plugging MW-7 with a 1-3% bentonite-concrete slurry and a 3 ft concrete cap, facing east  
12/10/13



MW-7 plugged and abandoned, facing south  
12/10/13



Pulling MW-8, facing west  
12/10/13



Plugging MW-8 with a 1-3% bentonite-concrete slurry and a 3 ft concrete cap, facing east  
12/10/13



MW-8 plugged and abandoned, facing west  
12/10/13

**From:** [Lara Weinheimer](#)  
**To:** [Lowe, Leonard, EMNRD](#); [VonGonten, Glenn, EMNRD](#)  
**Cc:** ["Hack Conder"](#); ["Katie Jones"](#); ["Sarah Edwards"](#)  
**Subject:** Monitoring Well Plugging and Abandonment Report for Rice Operating Company's BD E-15 Release (AP-27).  
**Date:** Friday, January 31, 2014 11:53:40 AM  
**Attachments:** [BD E-15 Release \(AP-27\) Monitoring Well Plugging and Abandonment Report.pdf](#)

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Attached you will find the Monitoring Well Plugging and Abandonment Report for Rice Operating Company's BD E-15 Release (AP-27).

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).

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