

AP - 43

STAGE 1 & 2

REPORTS

(Plugging)

DATE:

6-7-12

ARCADIS

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1004 North Big Spring Street
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Midland
Texas 79701
Tel 432 687 5400
Fax 432 687 5401
www.arcadis-us.com

Sent Certified Mail
Return Receipt No. 7002 2410 0001 5813 3982

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

Environmental

Subject:

**MONITOR WELL PLUGGING REPORT
EME A-20
Unit A, SEC. 20, T22S, R37E
NMOCD CASE # AP-43**

Date:
June 7, 2012

Contact:
Sharon E. Hall

Phone:
432 687-5400

Email:
shall@arcadis-us.com

Our ref:
MT000857.0001

Mr. Hansen:

On behalf of Rice Operating Company (ROC), ARCADIS U.S., Inc. (ARCADIS) respectfully submits this Monitor Well Plugging Report for the above-referenced site per NMOCD's April 17, 2012 notification that the remediation plans are terminated in accordance with 19.15.30.19.B NMAC, and request for well plugging. Wells MW-1, MW-2, MW-3 and MW-4 were plugged on April 25, 2012 with a 1-3% bentonite/concrete slurry and three foot concrete cap. The monitoring well plugging reports and photo documentation are attached. Recovery well (RW-1) will be maintained so that it can be used in the future for groundwater recovery if necessary. Up-gradient MW-5 will continue to be periodically sampled to monitor regional groundwater quality.

ROC acknowledges they have met the requirements of 19.15.30.19 NMAC, the NMOCD terminated the remediation plans (AP-43) on April 17, 2012 in accordance with 19.15.30.19.B and no further actions are warranted.

ROC is the service provider (agent) for the EME 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.

If you have any questions please contact Hack Conder at (575) 393-9174.

Sincerely,
ARCADIS U.S.

Mr. Ed Hansen
June 7, 2012

Sharon E Hall

Sharon E. Hall
Associate Vice President

Copies:
Hack Conder, ROC

Attachments:
Monitor Well Plugging Reports

Use or disclosure of information contained on this sheet is subject to the restriction and disclaimer located on the signature page of this document.

HARRISON & COOPER, INC.

Drilling & Pump Professionals

7414 85th Street, Lubbock, Texas 79424-4951

P.O. Box 96, Wolfforth, Texas 79382-0096

Ph: (806) 866-4026

Fax: (806) 866-4044

hcidrill.com

Plugging Report

Client	Rice Operating
Contractor	Harrison & Cooper
Date Completed	4/25/2012
Site	EME A-20
Well ID	MW-1
Casing Diameter	2"
Well Depth	38'
Casing Material	PVC
Plugging Material	Portland/Bentonite Slurry
Slurry Interval	3'-38'
Cement Interval	0'-3'

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Email (Lara Weinheimer; Katie Jones)

Regulated by: Texas Dept. of Licensing & Regulation, Water Well Division, P.O. Box 12157, Austin, TX 78711, (800) 803-9202

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Plugging Report

Client	Rice Operating
Contractor	Harrison & Cooper
Date Completed	4/25/2012
Site	EME A-20
Well ID	MW-2
Casing Diameter	2"
Well Depth	33'
Casing Material	PVC
Plugging Material	Portland/Bentonite Slurry
Slurry Interval	3'-33'
Cement Interval	0'-3'

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Plugging Report

Client	Rice Operating
Contractor	Harrison & Cooper
Date Completed	4/25/2012
Site	EME A-20
Well ID	MW-3
Casing Diameter	2"
Well Depth	33'
Casing Material	PVC
Plugging Material	Portland/Bentonite Slurry
Slurry Interval	3'-33'
Cement Interval	0'-3'

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Plugging Report

Client	Rice Operating
Contractor	Harrison & Cooper
Date Completed	4/25/2012
Site	EME A-20
Well ID	MW-4
Casing Diameter	2"
Well Depth	33'
Casing Material	PVC
Plugging Material	Portland/Bentonite Slurry
Slurry Interval	3'-33'
Cement Interval	0'-3'

Copies: File

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EME A-20
Unit A, Section 20, T-20-S, R-37-E



Pulling MW-1, facing northwest 4/25/12



Plugging MW-1 with 1-3% bentonite/concrete slurry and 3 ft concrete cap 4/25/12



Plug and abandon MW-1 completed 4/25/12



Pulling MW-2, facing north 4/25/12



Plugging MW-2 with 1-3% bentonite/concrete slurry and 3 ft concrete cap 4/25/12



Plug and abandon MW-2 completed 4/25/12



Pulling MW-3, facing northeast 4/25/12



Plugging MW-3 with 1-3% bentonite/concrete slurry and 3 ft concrete cap 4/25/12



Plug and abandon MW-3 completed 4/25/12



Pulling MW-4, facing south 4/25/12



Plugging MW-4 with 1-3% bentonite/concrete slurry and 3 ft concrete cap 4/25/12



Plug and abandon MW-4 completed 4/25/12