

AP - 99

# STAGE 2 REPORT

Date

12-6-11

**Hansen, Edward J., EMNRD**

---

**From:** Hansen, Edward J., EMNRD  
**Sent:** Thursday, December 15, 2011 6:00 PM  
**To:** 'Hack Conder'  
**Cc:** Leking, Geoffrey R, EMNRD; 'Katie Jones'; Reed, Timothy  
**Subject:** Plugging Report Approval (AP-99) - ROC Justis E-1 Vent Site

Dear Mr. Conder:

The New Mexico Oil Conservation Division (OCD) has reviewed the groundwater monitoring well plugging report, dated December 6, 2011, for the above-referenced site. The OCD hereby approves the report as fulfillment of the Abatement Plan, AP-99.

Also, please be advised that OCD approval of this report does not relieve the owner/operator of responsibility should operations pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the owner/operator of responsibility for compliance with any OCD, federal, state, or local laws and/or regulations.

If you have questions regarding this matter, please contact me at 505-476-3489.

Edward J. Hansen  
Hydrologist  
Environmental Bureau



**TETRA TECH**

RECEIVED OCD

2011 DEC 15 A 8:59

CERTIFIED MAIL  
RETURN RECEIPT NO. 7008 3230 0001 9310 7570

December 6, 2011

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

**Re: Monitoring Well Plugging Report, Rice Operating Company, Justis Saltwater Disposal System (SWD), E-1 Vent, Unit E, Section 1, T-25-S, R-37-E, Lea County, New Mexico, NMOCD CASE #1R0423-06 (AP-99).**

Mr. Hansen:

On behalf of Rice Operating Company (ROC), Tetra Tech submits the following Monitoring Well Plugging Report for the Justis Saltwater Disposal System (SWD) E-1 vent (NMOCD AP-99) site. ROC is the service provider (agent) for the Justis SWD system and has no ownership of any portion of the pipeline, well or facility. The Justis SWD system is owned by a consortium of oil producers, Systems Parties, who provide all operating capital on a percentage ownership/usage basis.

On September 20, 2011, ROC submitted a Termination Request for this site to the NMOCD. The Termination Request was approved by the NMOCD on October 12, 2011. As part of the Termination Request, on October 24, 2011, all 5 monitoring wells (MW-1, MW-2, MW-3, MW-4 and MW-5) and recovery well (RW-1) were properly plugged using a cement grout with 1% to 3% bentonite and a 3 foot cap of cement at the surface. The concrete pads and surface completions were removed during the plugging operations. Copies of the Plugging Reports and photographs of the plugging activities are attached to this report.

**Tetra Tech**

1910 North Big Spring, Midland, TX 79705

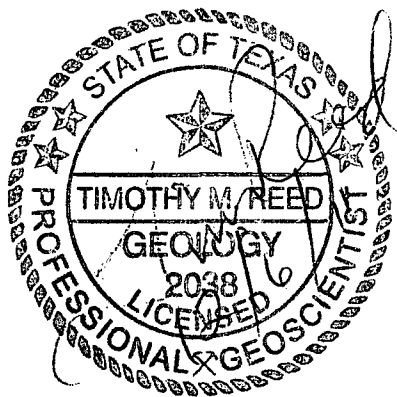
Tel 432.682.4559 Fax 432.682.3946 [www.tetratech.com](http://www.tetratech.com)



**TETRA TECH**

Additionally, the area will be reseeded with native vegetation once the groundwater recovery system is dismantled and removed. Upon completion of this activity, a report including Seeding Documentation will be submitted to the NMOCD.

If you require any additional information or have any questions or comments concerning the termination request, please call either Hack Conder of ROC at (575) 393-9174 or myself at (432) 682-4559.



Respectfully Submitted,  
Tetra Tech, Inc.



Tim Reed, P.G.  
Senior Consultant

cc: Hack Conder -ROC  
attachment: Plugging Reports, Photographs

# HARRISON & COOPER, INC.

*Drilling & Pump Professionals*

7414 85<sup>th</sup> Street, Lubbock, Texas 79424-4951

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

Ph: (806) 866-4026

Fax: (806) 866-4044

[hcidrill.com](http://hcidrill.com)

## Plugging Report

Client	Rice Operating
Contractor	Harrison & Cooper
Date Completed	10/24/2011
Site	Justis E-1 vent
Well ID	MW-1
Casing Diameter	2"
Well Depth	104'
Casing Material	PVC
Plugging Material	Portland/Bentonite Slurry
Slurry Interval	3'-104'
Cement Interval	0'-3'

Copies: File

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

# HARRISON & COOPER, INC.

*Drilling & Pump Professionals*

7414 85<sup>th</sup> Street, Lubbock, Texas 79424-4951

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

Ph: (806) 866-4026

Fax: (806) 866-4044

[hcidrill.com](http://hcidrill.com)

## Plugging Report

Client	Rice Operating
Contractor	Harrison & Cooper
Date Completed	10/24/2011
Site	Justis E-1 vent
Well ID	MW-2
Casing Diameter	2"
Well Depth	95'
Casing Material	PVC
Plugging Material	Portland/Bentonite Slurry
Slurry Interval	3'-95'
Cement Interval	0'-3'

Copies: File

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

# HARRISON & COOPER, INC.

*Drilling & Pump Professionals*

7414 85<sup>th</sup> Street, Lubbock, Texas 79424-4951

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

Ph: (806) 866-4026

Fax: (806) 866-4044

[hcidrill.com](http://hcidrill.com)

## Plugging Report

Client	Rice Operating
Contractor	Harrison & Cooper
Date Completed	10/24/2011
Site	Justis E-1 vent
Well ID	MW-3
Casing Diameter	2"
Well Depth	95'
Casing Material	PVC
Plugging Material	Portland/Bentonite Slurry
Slurry Interval	3'-95'
Cement Interval	0'-3'

Copies: File

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

# HARRISON & COOPER, INC.

*Drilling & Pump Professionals*

7414 85<sup>th</sup> Street, Lubbock, Texas 79424-4951

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

Ph: (806) 866-4026

Fax: (806) 866-4044

[hcidrill.com](http://hcidrill.com)

## Plugging Report

Client	Rice Operating
Contractor	Harrison & Cooper
Date Completed	10/24/2011
Site	Justis E-1 vent
Well ID	MW-4
Casing Diameter	2"
Well Depth	96'
Casing Material	PVC
Plugging Material	Portland/Bentonite Slurry
Slurry Interval	3'-96'
Cement Interval	0'-3'

Copies: File

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



# HARRISON & COOPER, INC.

*Drilling & Pump Professionals*

7414 85<sup>th</sup> Street, Lubbock, Texas 79424-4951

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

Ph: (806) 866-4026

Fax: (806) 866-4044

[hcidrill.com](http://hcidrill.com)

## Plugging Report

Client	Rice Operating
Contractor	Harrison & Cooper
Date Completed	10/24/2011
Site	Justis E-1 vent
Well ID	MW-5
Casing Diameter	2"
Well Depth	101'
Casing Material	PVC
Plugging Material	Portland/Bentonite Slurry
Slurry Interval	3'-101'
Cement Interval	0'-3'

Copies: File

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

# HARRISON & COOPER, INC.

*Drilling & Pump Professionals*

7414 85<sup>th</sup> Street, Lubbock, Texas 79424-4951

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

Ph: (806) 866-4026

Fax: (806) 866-4044

[hcidrill.com](http://hcidrill.com)

## Plugging Report

Client	Rice Operating
Contractor	Harrison & Cooper
Date Completed	10/24/2011
Site	Justis E-1 vent
Well ID	RW-1
Casing Diameter	4"
Well Depth	128'
Casing Material	PVC
Plugging Material	Portland/Bentonite Slurry
Slurry Interval	3'-128'
Cement Interval	0'-3'

Copies: File

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

Justis E-1 vent  
Unit E, Section 1, T-25-S, R-37-E



Pulling MW-1, facing east

10/24/11



Plugging MW-1 with a 1 – 3%  
concrete/bentonite slurry

10/24/11



MW-1 plugged, facing west

10/24/11



Pulling MW-2, facing southwest

10/24/11



Plugging MW-2 with a 1 – 3%  
concrete/bentonite slurry

10/24/11



MW-2 plugged, facing west

10/24/11





Pulling MW-3, facing west

10/24/11



Plugging MW-3 with a 1 – 3%  
concrete/bentonite slurry

10/24/11



MW-3 plugged, facing south

10/24/11



Pulling MW-4, facing southwest

10/24/11



Plugging MW-4 with a 1 – 3%  
concrete/bentonite slurry

10/24/11



MW-4 plugged, facing west

10/24/11





Pulling MW-5, facing east

10/24/11



Plugging MW-5 with a 1 – 3%  
concrete/bentonite slurry

10/24/11



MW-5 plugged, facing east

10/24/11



Pulling RW-1, facing north

10/24/11



Plugging RW-1 with a 1 – 3%  
concrete/bentonite slurry

10/24/11



RW-1 plugged, facing east

10/24/11