

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



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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

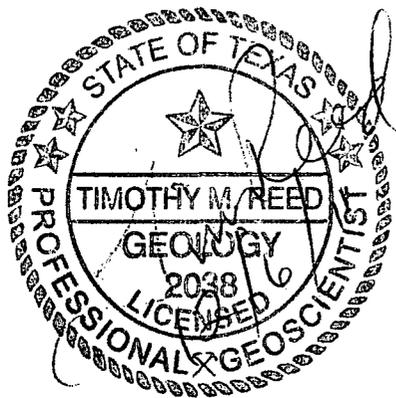
Tel 432.682.4559 Fax 432.682.3946 www.tetrattech.com



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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 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	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

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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'

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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'

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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'

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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'

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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'

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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