

AP - 67

**STAGE 1 & 2 ABATEMENT
PLAN**

**DATE:
11-23-2007**

RICE *Operating Company*

122 West Taylor • Hobbs, NM 88240
Phone: (505) 393-9174 • Fax: (505) 397-1471

CERTIFIED MAIL
RETURN RECEIPT NO. 7007 0220 0001 1736 0831

May 7, 2008

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

RECEIVED
2008 MAY 12 PM 1 42

RE: EME jct. D-1 (AP-67)
PUBLIC NOTIFICATION PROOF

Mr. Hansen:

In accordance with Rule 19 (Section 19.15.1.19 NMAC, Subsection G) Public Notice requirements, please accept the enclosed copies of proof that the appropriate individuals and entities were notified of the Stage 2 Abatement Plan submitted by Gilbert J. Van Deventer of Trident Environmental (Trident) for the D-1 Junction Box Site on November 24, 2007. In an e-mail dated February 13, 2008, the Oil Conservation Division (OCD) notified Rice Operating Company (ROC) that the Stage 2 Abatement Plan was conditionally administratively complete and directed ROC to proceed with public notice. Trident addressed the technical deficiencies outlined by OCD in the communication and submitted an amended Stage 2 Abatement Plan for this site on April 18, 2008.

Notices were sent via certified mail to landowners within the prescribed radius and return receipts were received for landowners indicated in the attached spreadsheet. Surface ownership by Enersource Inc. is included in the radius and the Lea County Tax Assessor's Office reports that this surface is in care of an entity called Commercial Exchange in Lubbock, Texas. A return receipt was not received for the mailing to their address and a phone number was not found. Records at the Tax Assessor's Office indicate that the taxes on this property have been delinquent since 2003.

Mailings were also sent to the Lea County Commission and the list of Interested Parties found on the OCD website. One individual on the Interested Parties list was notified via e-mail to the

address provided on the list. Forty-two total notifications were sent and delivery was not confirmed for one individual on the Interested Parties List. The notification to Mike Schultz of the International Technology Corp. (from the OCD Interested Parties list) was returned as “no longer at this address.”

As directed by OCD, the Stage 2 Abatement Plan notifications were published in the *Albuquerque Journal* and the *Hobbs News-Sun* newspapers on February 28, 2008. Affidavits for these publications are enclosed.

ROC requests that OCD consider public notice complete for this abatement plan. Should you have any further questions regarding this request, do not hesitate to contact me. Thank you for your consideration.

ROC is the service provider (agent) for the Eunice Monument Eumont (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 Partners, who provide all operating capital on a percentage ownership/usage basis.

RICE OPERATING COMPANY

A handwritten signature in cursive script that reads "Kristin Farris Pope".

Kristin Farris Pope
Project Scientist

enclosures: summary table of notifications,
newspaper affidavits,
return receipt copies,
e-mail copies

cc: MB, Trident, file, Daniel Sanchez (NMOCD)

STATE OF NEW MEXICO
County of Bernalillo SS

Bill Tafoya, being duly sworn, declares and says that he is Classified Advertising Manager of **The Albuquerque Journal**, and that this newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Session Laws of 1937, and that payment therefore has been made of assessed as court cost; that the notice, copy of which is hereto attached, was published in said paper in the regular daily edition, for 1 times, the first publication being on the 28 day of Feb., 2008 and the subsequent consecutive publications on _____, 20____.

Sworn and subscribed to before me, a Notary Public, in and for the County of Bernalillo and State of New Mexico this 28 day of Feb. of 2008

PRICE \$55.06
Statement to come at end of month.
ACCOUNT NUMBER C82274

OFFICIAL SEAL
Elyn Stacoe
NOTARY PUBLIC
STATE OF NEW MEXICO
My Commission Expires: 4/1/10

RECEIVED

MAR 03 2008
RICE OPERATING
HOBBS, NM

CLA-22-A (R-1/93)

NOTICE OF PUBLICATION
State of New Mexico
Energy, Minerals and
Natural Resources Department
Oil Conservation Division
Notice is hereby given that pursuant to New Mexico Oil Conservation Division Regulations, the following Stage 2 Abatement Plan Proposal has been submitted to the Director of the Oil Conservation Division, 1220 S. St. Francis Dr., Santa Fe, New Mexico 87505, Telephone (505) 476-3440:
Rice Operating Company, Scott Curtis, General Manager, Telephone (505) 393-9174, 122 West Taylor, Hobbs, New Mexico, 88240, has submitted a Stage 1 Final Investigation Report and Stage 2 Abatement Plan Proposal (AP-67) for the EME Jct. D-1 site, located in Section 11, Township 20, south, Range 36, east, Lea County, New Mexico, approximately 2.5 miles west of Monument, New Mexico. Rice Operating Company operates a saltwater disposal pipeline at the site. Soil impacts and groundwater samples at the site exhibit elevated chloride concentrations. ROC has already mitigated the threat of past and future accidental releases at the Jct. D-1 site by permanently removing the junction box, excavating a 30-ft wide by 30-ft long by 12-ft deep area, installing a clay layer, and backfilling the area surrounding the former junction box. The Stage 2 Abatement Plan proposes additional actions which include: (1) the creation of an infiltration barrier using imported clean topsoil; (2) re-seeding the area in the vicinity of the former junction box with a mixture of native grasses and plants to re-establish vegetation at a natural rate; and (3) at the completion of the proposed corrective actions to the vadose zone, and after four more quarters of groundwater sampling results from on site monitoring wells MW-1, MW-2, and MW-4 continue to show chloride and TDS concentrations below those from upgradient monitoring well MW-3, a final report will be submitted with a request for final closure.
Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The Stage 2 Abatement Plan Proposal may be viewed at the above address or at the Oil Conservation Division District Office, 1625 N. French Drive, Hobbs, New Mexico 88240, Telephone (505) 393-6161 between 8:00 a.m. and 4:00 p.m., Monday through Friday. Prior to ruling on any proposed Stage 2 Abatement Plan, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which written requests for a public hearing that includes reasons why a hearing should be held and written comments may be submitted to him.
Journal: February 28, 2008

AFFIDAVIT OF PUBLICATION

State of New Mexico,
County of Lea.

I, KATHI BEARDEN

PUBLISHER

of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, do solemnly swear that the clipping attached hereto was published once a week in the regular and entire issue of said paper, and not a supplement thereof for a period.

of 1 weeks.

Beginning with the issue dated February 28 2008 and ending with the issue dated February 28 2008

Kathi Bearden
PUBLISHER

Sworn and subscribed to before me this 28th day of

February 2008
Dora Montz
Notary Public.

My Commission expires February 07, 2009 (Seal)



OFFICIAL SEAL
DORA MONTZ
NOTARY PUBLIC
STATE OF NEW MEXICO

My Commission Expires: _____

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937, and payment of fees for said publication has been made.

LEGAL NOTICE
February 28, 2008

NOTICE OF PUBLICATION

State of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division

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#23868

01104367000 02598555
RICE OPERATING COMPANY
122 WEST TAYLOR
HOBBS, NM 88240

EME jct. D-1

Unit 'D', Sec. 1, T20S, R36E

Public Notice Mailings (2/27/08)

Stage 2 Abatement Plan (AP-67)

	Landowner or Interested Party	Delivery Status			Comments
		Delivered US Mail	Delivered E-mail	Not Delivered	
1	El Paso Natural Gas 3506 West County Road Hobbs, NM 88240	X			
2	Charlcie F. Byrd P.O. Box 32 Monument, NM 88265	X			
3	George L. Klein 345 Clayton Grand Prairie, TX 75052	X			
4	Faye L. Klein P.O. Box 1503 Hobbs, NM 88240	X			
5	DLD Corporation 1314 Brittany Hobbs, NM 88240	X			
6	James R. Bryd P.O. Box 32 Monument, NM 88265	X			
7	Thaddeus Kostrubala New Mexico State Land Office P.O. Box 1148 Santa Fe, NM 87504 - 1148	X			
8	James Amos BLM, Carlsbad Field Office 620 East Greene Street Carlsbad, NM 88220	X			
9	Chevron USA 15 Smith Road Midland, TX 79705	X			
10	Harry Scott Klein Estate c/o George L. Klein 1313 Paige Hobbs, NM 88240	X			
11	Amerada Hess Corp P.O. Box 2040 Houston, TX 77252	X			
12	Enersource Inc. C/O Commercial Exchange P.O. Box 3236 Lubbock, TX 79452			X	Return receipt has not been received as of 5/7/2008
13	Lea Partners Kirkwood and Darby P.O. Box 870849 Mesquite, TX 75187	X			

14	Attorney General's Office P.O. Box 1508 Santa Fe, NM 87502 - 0115	X			
15	Bureau of Land Management State Director P.O. Box 27115 Santa Fe, NM 87502 - 0115	X			
16	Chief Hazardous Waste Bureau Runnels Building Santa Fe, NM 87504	X			
17	Gerald R. Zimmerman Colorado River Board of Calif. 770 Fairmont Ave, Ste. 100 Glendale, CA 91203 - 1035	X			
18	Dr. Harry Bishara P.O. Box 748 Cuba, NM 87013	X			
19	Mike Schulz International Technology Corp. 5301 Central Avenue, NE Suite 700 Albuquerque, NM 87108			X	No longer at this address
20	Ken Marsh P.O. Box 388 Hobbs, NM 88241	X			
21	Ned Kendrick Attorney at Law 325 Paseo de Peralta Santa Fe, NM 87501	X			
22	Lynn Brandvold NM Bureau of Mines & Mineral Resources NM Institute of Mining & Tech Socorro, NM 87801	X			
23	Randy Hicks 910 Rio Grande Blvd. NW Suite F-142 Albuquerque, NM 87104	X			
24	Bruce S. Garber Attorney at Law P.O. Box 0850 Santa Fe, NM 87504 - 0850	X			
25	Chief Groundwater Bureau Runnels Building Santa Fe, NM 87504	X			
26	Jack A. Barnett Colorado River Basin Ctrl. Forum 106 West 500 South, Suite 101 Bountiful, UT 84010	X			
27	Department of Game & Fish Director Villagra Building Santa Fe, NM 87503	X			

28	Collin Adams Environmental Counsel Public Service Company of New Mexico 414 Silver, Southwest Albuquerque, NM 87158	X			
29	Jay Lazarus P.O. Box 5727 Santa Fe, NM 87502	X			
30	Lee Wilson & Associates P.O. Box 931 Santa Fe, NM 87501	X			
31	New Mexico Environmental Department Secretary P.O. Box 26110 Santa Fe, NM 87501	X			
32	NM Oil & Gas Association P.O. Box 1864 Santa Fe, NM 87504 - 1864	X			
33	Soil & Water Conservation Bureau NM Dept of Agriculture/Ag Programs & Resources Box 30005/APR Las Cruces, NM 88003 - 8005	X			
34	Chris Shuey Southwest Research & Information Center P.O. Box 4524 Albuquerque, NM 87106	X			
35	State Historic Preservation Officer Attn: Elmo Baca 228 East Palace Avenue Villa Rivera Room 101 Santa Fe, NM 87503	X			
36	US Fish & Wildlife Service Field Supervisor 2105 Osuna Road, Northeast Albuquerque, NM 87113 - 1001	X			
37	Water Resources Division State Engineer Bataan Building Santa Fe, NM 87503	X			
38	Ron Dutton Southwestern Public Service P.O. Box 1261 Amarillo, TX 79170	X			
39	State Parks & Recreation Director 1220 S St. Francis Santa Fe, NM 87505	X			
40	Regional Forester USFS Regional Office 517 Gold Avenue SW Albuquerque, NM 87102 e-mail: cgarcia@fs.fed.us		X		Mail attempt returned-- insufficient address; Emailed on 4/18/2008

41	William Turner NM Trustee For Natural Resources C/O American Ground Water Consultants 610 Gold St. SW, Suite 111 Albuquerque, NM 87102	X			
42	Lea County Administration Office Attn: Lue Ethridge 100 N. Main Street, Suite 4 Lovington, NM 88260	X			
TOTALS		39	1	2	

SENDER: COMPLETE THIS SECTION

1. Article Addressed to:

Gerald R. Zimmerman
Colorado River Board of Calif.
770 Fairmont Ave. Ste 100
Glendale, CA 91203-1035
Email: jcc_erb@pachbell.net

2. Article Number
(Transfer from service label) 7007 2560 0003 0316 9827

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-15-10

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.
4. Restricted Delivery? (Extra Fee) Yes No

COMPLETE THIS SECTION ON DELIVERY
A. Signature Agent
B. Received by (Printed Name) Addressee
C. Date of Delivery
D. Is delivery address different from item 1? Yes No
If YES, enter delivery address below:

SENDER: COMPLETE THIS SECTION

1. Article Addressed to:

William Turner
New Mexico Trustee for Natural Resources
C/O American Ground Water Consultants
610 Gold St. SW, Suite 111
Albuquerque, NM 871020

2. Article Number
(Transfer from service label) 7007 2560 0003 0316 8585

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-15-10

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.
4. Restricted Delivery? (Extra Fee) Yes No

COMPLETE THIS SECTION ON DELIVERY
A. Signature Agent
B. Received by (Printed Name) Addressee
C. Date of Delivery
D. Is delivery address different from item 1? Yes No
If YES, enter delivery address below:

SENDER: COMPLETE THIS SECTION

1. Article Addressed to:

US Fish & Wildlife Service
Field Supervisor
Bataan Building
Santa Fe, NM 87503

2. Article Number
(Transfer from service label) 7007 2560 0003 0317 0236

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-15-10

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.
4. Restricted Delivery? (Extra Fee) Yes No

COMPLETE THIS SECTION ON DELIVERY
A. Signature Agent
B. Received by (Printed Name) Addressee
C. Date of Delivery
D. Is delivery address different from item 1? Yes No
If YES, enter delivery address below:

SENDER: COMPLETE THIS SECTION

1. Article Addressed to:

State Engineer
Water-Resources Division
Bataan Building
Santa Fe, NM 87503

2. Article Number
(Transfer from service label) 7007 2560 0003 0317 0281

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-15-10

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.
4. Restricted Delivery? (Extra Fee) Yes No

COMPLETE THIS SECTION ON DELIVERY
A. Signature Agent
B. Received by (Printed Name) Addressee
C. Date of Delivery
D. Is delivery address different from item 1? Yes No
If YES, enter delivery address below:

SENDER: COMPLETE THIS SECTION

Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits.

Article Addressed to:
State Director
Bureau of Land Management
P.O. Box 27115
Santa Fe, NM 87502-0115

Article Number
(Transfer from service label) 7007 2560 0003 0316 9780

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature *[Signature]*
B. Received by (Printed Name) *[Name]*
C. Date of Delivery *[Date]*

D. Is delivery address different from item 1? Yes
If YES, enter delivery address below: No

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.
4. Restricted Delivery? (Extra Fee) Yes

SENDER: COMPLETE THIS SECTION

Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits.

Article Addressed to:
Chris Shuey
Southwest Research & Information Center
P.O. Box 4524
Albuquerque, NM 87106

Article Number
(Transfer from service label) 7007 2560 0003 0317 2438

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-

COMPLETE THIS SECTION ON DELIVERY

A. Signature *[Signature]*
B. Received by (Printed Name) *[Name]*
C. Date of Delivery *[Date]*

D. Is delivery address different from item 1? Yes
If YES, enter delivery address below: No

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.
4. Restricted Delivery? (Extra Fee) Yes

SENDER: COMPLETE THIS SECTION

Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits.

Article Addressed to:
Soil & Water Conservation Bureau
& Resources
Box 30005/APR
Las Cruces, NM 88003-8005

Article Number
(Transfer from service label) 7007 2560 0003 0317 2421

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature *[Signature]*
B. Received by (Printed Name) *[Name]*
C. Date of Delivery *[Date]*

D. Is delivery address different from item 1? Yes
If YES, enter delivery address below: No

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.
4. Restricted Delivery? (Extra Fee) Yes

SENDER: COMPLETE THIS SECTION

Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits.

Article Addressed to:
State Parks & Recreation
Director
1220 S. St. Francis
Santa Fe, NM 87505

Article Number
(Transfer from service label) 7007 2560 0003 0317 0250

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature *[Signature]*
B. Received by (Printed Name) *[Name]*
C. Date of Delivery *[Date]*

D. Is delivery address different from item 1? Yes
If YES, enter delivery address below: No

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.
4. Restricted Delivery? (Extra Fee) Yes

SENDER COMPLETE THIS SECTION

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- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

New Mexico Environmental Dept.
Secretary
P.O. Box 26110
Santa Fe, NM 87501

2. Article Number
(Transfer from service label)

7007 2560 0003 0317 0977

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

- A. Signature Agent Addressee
- B. Received by (Printed Name) C. Date of Delivery
- D. Is delivery address different from item 1? Yes No
If YES, enter delivery address below:

- 3. Service Type Certified Mail Express Mail Registered Return Receipt for Merchandise Insured Mail C.O.D.
- 4. Restricted Delivery? (Extra Fee) Yes

SENDER COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Ken Marsh
P.O. Box 388
Hobbs, NM 88241

2. Article Number
(Transfer from service label)

7007 2560 0003 0317 0113

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M

COMPLETE THIS SECTION ON DELIVERY

- A. Signature Agent Addressee
- B. Received by (Printed Name) C. Date of Delivery
- D. Is delivery address different from item 1? Yes No
If YES, enter delivery address below:

- 3. Service Type Certified Mail Express Mail Registered Return Receipt for Merchandise Insured Mail C.O.D.
- 4. Restricted Delivery? (Extra Fee) Yes

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New Mexico Environmental Dept.
Secretary
P.O. Box 26110
Santa Fe, NM 87501

2. Article Number
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7007 2560 0003 0317 0977

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

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- D. Is delivery address different from item 1? Yes No
If YES, enter delivery address below:

- 3. Service Type Certified Mail Express Mail Registered Return Receipt for Merchandise Insured Mail C.O.D.
- 4. Restricted Delivery? (Extra Fee) Yes

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Hobbs, NM 88241

2. Article Number
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7007 2560 0003 0317 0113

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M

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- D. Is delivery address different from item 1? Yes No
If YES, enter delivery address below:

- 3. Service Type Certified Mail Express Mail Registered Return Receipt for Merchandise Insured Mail C.O.D.
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- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

NM Oil & Gas Association
P.O. Box 1864
Santa Fe, NM 87504-1864

2. Article Number
(Transfer from service label)

7007 2560 0003 0317 2414

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

- A. Signature Agent Addressee
- B. Received by (Printed Name) C. Date of Delivery
- D. Is delivery address different from item 1? Yes No
If YES, enter delivery address below:

- 3. Service Type Certified Mail Express Mail Registered Return Receipt for Merchandise Insured Mail C.O.D.
- 4. Restricted Delivery? (Extra Fee) Yes

SENDER COMPLETE THIS SECTION

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- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Lee Wilson & Associates
P.O. Box 931
Santa Fe, NM 87501
Email: lwa@lwasf.com

2. Article Number
(Transfer from service label)

7007 2560 0003 0316 8578

PS Form 3811, February 2004

Domestic Return Receipt

102595-02

COMPLETE THIS SECTION ON DELIVERY

- A. Signature Agent Addressee
- B. Received by (Printed Name) C. Date of Delivery
- D. Is delivery address different from item 1? Yes No
If YES, enter delivery address below:

- 3. Service Type Certified Mail Express Mail Registered Return Receipt for Merchandise Insured Mail C.O.D.
- 4. Restricted Delivery? (Extra Fee) Yes

SENDER: COMPLETE THIS SECTION

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Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Leapartners
Kirkwood and Darby
P.O. Box 870849
Mesquite, TX 75187

COMPLETE THIS SECTION ON DELIVERY

A. Signature Agent
RECEIVED
B. Received by (Printed Name) Addressee
C. Date of Delivery
D. Is delivery address different from item 1? Yes
If YES, enter delivery address below: No

MAR 4 2008

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.
4. Restricted Delivery? (Extra Fee) Yes

2. Article Number 7007 2560 0003 0317 2377
(Transfer from service label)
PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

SENDER: COMPLETE THIS SECTION

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Print your name and address on the reverse so that we can return the card to you.
Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Jay Lazarus
P.O. Box 5727
Santa Fe, NM 87502
Email: Lazarus@glorietageo.com

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.
4. Restricted Delivery? (Extra Fee) Yes

2. Article Number 7007 2560 0003 0316 8561
(Transfer from service label)
PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature Agent
RECEIVED
B. Received by (Printed Name) Addressee
C. Date of Delivery
D. Is delivery address different from item 1? Yes
If YES, enter delivery address below: No

MAR 4 2008

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.
4. Restricted Delivery? (Extra Fee) Yes

2. Article Number 7007 2560 0003 0316 8561
(Transfer from service label)
PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

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Print your name and address on the reverse so that we can return the card to you.
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1. Article Addressed to:

Lea County Administration Office
Attn: Lue Ethridge
100 N. Main Street, Suite 4
Lovington, NM 88260

COMPLETE THIS SECTION ON DELIVERY

A. Signature Agent
RECEIVED
B. Received by (Printed Name) Addressee
C. Date of Delivery
D. Is delivery address different from item 1? Yes
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MAR 28 2008

3. Service Type
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4. Restricted Delivery? (Extra Fee) Yes

2. Article Number 7007 2560 0003 0317 0267
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1. Article Addressed to:

Charlie F. Byrd
P.O. Box 32
Monument, NM 88265

COMPLETE THIS SECTION ON DELIVERY

A. Signature Agent
RECEIVED
B. Received by (Printed Name) Addressee
C. Date of Delivery
D. Is delivery address different from item 1? Yes
If YES, enter delivery address below: No

MAR 28 2008

3. Service Type
 Certified Mail Express Mail
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 Insured Mail C.O.D.
4. Restricted Delivery? (Extra Fee) Yes

2. Article Number 7007 2560 0003 0316 8615
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Article Addressed to:

George L. Klein
 345 Clayton
 Grand Prairie, TX 75052

Article Number
 (Transfer from service label) 7007 2560 0003 0316 8639

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

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A. Signature Agent
 B. Received by (Printed Name) Addressee
 C. Date of Delivery 3/8/06
 D. Is delivery address different from item 1? Yes No
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 Registered Return Receipt for Merchandise
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 4. Restricted Delivery? (Extra Fee) Yes

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Article Addressed to:

Ned Kendrick
 Attorney at Law
 325 Paseo de Peralta
 Santa Fe, NM 87501

Article Number
 (Transfer from service label) 7007 2560 0003 0317 8205

PS Form 3811, February 2004 Domestic Return Receipt 102595

COMPLETE THIS SECTION ON DELIVERY

A. Signature Agent
 B. Received by (Printed Name) Addressee
 C. Date of Delivery
 D. Is delivery address different from item 1? Yes No
 If YES, enter delivery address below:

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Mer
 Insured Mail C.O.D.
 4. Restricted Delivery? (Extra Fee) Yes

SENDER, COMPLETE THIS SECTION

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 Print your name and address on the reverse so that we can return the card to you.
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Article Addressed to:

Faye L. Klein
 P.O. Box 1503
 Hobbs, NM 88240

Article Number
 (Transfer from service label) 7007 2560 0003 0316 8646

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature Agent
 B. Received by (Printed Name) Addressee
 C. Date of Delivery 2-28-08
 D. Is delivery address different from item 1? Yes No
 If YES, enter delivery address below:

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.
 4. Restricted Delivery? (Extra Fee) Yes

SENDER, COMPLETE THIS SECTION

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 Print your name and address on the reverse so that we can return the card to you.
 Attach this card to the back of the mailpiece, or on the front if space permits.

Article Addressed to:

Thaddeus Kostrubala
 New Mexico State Land Office
 P.O. Box 1148
 Santa Fe, NM 87504-1148

Article Number
 (Transfer from service label) 7007 2560 0003 0317 2346

PS Form 3811, February 2004 Domestic Return Receipt 102595

COMPLETE THIS SECTION ON DELIVERY

A. Signature Agent
 B. Received by (Printed Name) Addressee
 C. Date of Delivery
 D. Is delivery address different from item 1? Yes No
 If YES, enter delivery address below:

3. Service Type
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 Registered Return Receipt for Mer
 Insured Mail C.O.D.
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Article Addressed to:

Bruce S. Garber
Attorney at Law
P.O. Box 0850
Santa Fe, NM 87504-0850

1. Article Number
(Transfer from service label) **7007 2560 0003 0317 0212**

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 Agent
 Addressee
B. Received by (Printed Name)
Bruce S. Garber
C. Date of Delivery
3/6/08
D. Is delivery address different from item 1? Yes
If YES, enter delivery address below: No

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.
4. Restricted Delivery? (Extra Fee) Yes

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1. Article Addressed to:

Department of Game & Fish
Director
Villagra Building
Santa Fe, NM 87503

2. Article Number
(Transfer from service label) **7007 2560 0003 0317 0144**

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M

COMPLETE THIS SECTION ON DELIVERY

A. Signature
SE M M
B. Received by (Printed Name)
C. Date of Delivery
D. Is delivery address different from item 1? Yes
If YES, enter delivery address below: No

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.
4. Restricted Delivery? (Extra Fee) Yes

SENDER COMPLETE THIS SECTION

Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits.

Article Addressed to:

Dr. Harry Bishara
P.O. Box 748
Cuba, NM 78013

1. Article Number
(Transfer from service label) **7007 2560 0003 0316 9850**

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 Agent
 Addressee
B. Received by (Printed Name)
Dr. Harry Bishara
C. Date of Delivery
3-4-08
D. Is delivery address different from item 1? Yes
If YES, enter delivery address below: No

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.
4. Restricted Delivery? (Extra Fee) Yes

SENDER COMPLETE THIS SECTION

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1. Article Addressed to:

DLD Corporation
1314 Brittany
Hobbs, NM 88240

2. Article Number
(Transfer from service label) **7007 2560 0003 0317 0076**

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X
B. Received by (Printed Name)
DLD Corporation
C. Date of Delivery
D. Is delivery address different from item 1? Yes
If YES, enter delivery address below: No

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.
4. Restricted Delivery? (Extra Fee) Yes

SENDER: COMPLETE THIS SECTION

1. Article Number
(Transfer from service label)
7007 2560 0003 0317 0953

2. Article Addressed to:

Chief
Groundwater Bureau
Rummels Building
Santa Fe, NM 87504

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.
4. Restricted Delivery? (Extra Fee) Yes

1. Article Addressed to:

Chief
Hazardous Waste Bureau
Rummels Building
Santa Fe, NM 87504

2. Article Number
(Transfer from service label)
7007 2560 0003 0317 2391

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.
4. Restricted Delivery? (Extra Fee) Yes

1. Article Addressed to:

Chief
Hazardous Waste Bureau
Rummels Building
Santa Fe, NM 87504

2. Article Number
(Transfer from service label)
7007 2560 0003 0317 0083

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.
4. Restricted Delivery? (Extra Fee) Yes

1. Article Addressed to:

El Paso Natural Gas
2316 W Bender Blvd.
Hobbs, NM 88240

2. Article Number
(Transfer from service label)
7007 0220 0001 1735 5172

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.
4. Restricted Delivery? (Extra Fee) Yes

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 Agent
B. Received by (Printed Name)
RICHARD VALENCIA
C. Date of Delivery

D. Is delivery address different from item 1?
If YES, enter delivery address below:
 Yes No

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.
4. Restricted Delivery? (Extra Fee) Yes

1. Article Addressed to:

Chief
Hazardous Waste Bureau
Rummels Building
Santa Fe, NM 87504

2. Article Number
(Transfer from service label)
7007 2560 0003 0317 0953

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.
4. Restricted Delivery? (Extra Fee) Yes

1. Article Addressed to:

Chief
Hazardous Waste Bureau
Rummels Building
Santa Fe, NM 87504

2. Article Number
(Transfer from service label)
7007 2560 0003 0317 0083

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.
4. Restricted Delivery? (Extra Fee) Yes

1. Article Addressed to:

El Paso Natural Gas
2316 W Bender Blvd.
Hobbs, NM 88240

2. Article Number
(Transfer from service label)
7007 0220 0001 1735 5172

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.
4. Restricted Delivery? (Extra Fee) Yes

SENDER: COMPLETE THIS SECTION

1. Article Addressed to:

Chief
Hazardous Waste Bureau
Rummels Building
Santa Fe, NM 87504

2. Article Number
(Transfer from service label)
7007 2560 0003 0317 2391

3. Service Type
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 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.
4. Restricted Delivery? (Extra Fee) Yes

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1. Article Addressed to:

El Paso Natural Gas
2316 W Bender Blvd.
Hobbs, NM 88240

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7007 0220 0001 1735 5172

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.
4. Restricted Delivery? (Extra Fee) Yes

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 Agent
B. Received by (Printed Name)
RICHARD VALENCIA
C. Date of Delivery

D. Is delivery address different from item 1?
If YES, enter delivery address below:
 Yes No

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.
4. Restricted Delivery? (Extra Fee) Yes

1. Article Addressed to:

Chief
Hazardous Waste Bureau
Rummels Building
Santa Fe, NM 87504

2. Article Number
(Transfer from service label)
7007 2560 0003 0317 0953

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.
4. Restricted Delivery? (Extra Fee) Yes

1. Article Addressed to:

Chief
Hazardous Waste Bureau
Rummels Building
Santa Fe, NM 87504

2. Article Number
(Transfer from service label)
7007 2560 0003 0317 0083

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.
4. Restricted Delivery? (Extra Fee) Yes

1. Article Addressed to:

El Paso Natural Gas
2316 W Bender Blvd.
Hobbs, NM 88240

2. Article Number
(Transfer from service label)
7007 0220 0001 1735 5172

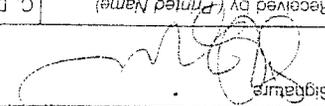
3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.
4. Restricted Delivery? (Extra Fee) Yes

2. Article Number
 (Transfer from service label) 7007 2560 0003 0317 0960

4. Restricted Delivery? (Extra Fee) Yes No

Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail O.O.D.

Public Service Company of NM
 Environmental Counsel ATTN: Colin Adams
 414 Silver, Southwest
 Albuquerque, NM 87158

A. Signature  Agent Addressee

B. Received By (Printed Name) Service Center

C. Date of Delivery 2/29/04

D. Is delivery address different from item 1? Yes No
 If YES, enter delivery address below:

1. Article Addressed to:
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 COMPLETE THIS SECTION ON DELIVERY

SENDER: COMPLETE THIS SECTION

1. Article Addressed to:
 Harry Scott Klein Estate
 C/o George L. Klein
 1313 Paige
 Hobbs, NM 88240

2. Article Number
 (Transfer from service label) 7007 2560 0003 0317 2353

3. Service Type
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 Registered Return Receipt for Merchandise
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Attach this card to the back of the mailpiece, or on the front if space permits.

A. Signature  Agent Addressee

B. Received by (Printed Name) Randy Hicks

C. Date of Delivery 2/29/04

D. Is delivery address different from item 1? Yes No
 If YES, enter delivery address below:

1. Article Addressed to:
 Randy Hicks
 901 Rio Grande Blvd NW Suite F-142
 Albuquerque, NM 87104

2. Article Number
 (Transfer from service label) 7007 2560 0003 0317 0137

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail O.O.D.

4. Restricted Delivery? (Extra Fee) Yes No

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Print your name and address on the reverse so that we can return the card to you.

Attach this card to the back of the mailpiece, or on the front if space permits.

Kristin Pope

From: "Kristin Pope" <kpope@riceswd.com>
To: <cgarcia@fs.fed.us>
Sent: Friday, April 18, 2008 3:36 PM
Attach: D-1 Stage 2 Public Notice amended.doc
Subject: Rule 19 Public Notice (D-1)

Regional Forester:

In accordance with the NMOCD Rule 19 Public Notice requirements, please find the attached public notification document. This document was originally mailed to you on February 27, 2008. Thank you.

Kristin Farris Pope, Project Scientist
RICE Operating Company
Hobbs, New Mexico
(575) 393-9174

AP-67
Stage 1 & 2 Abatement Plan
November 23, 2007
11-23-07

**STAGE 1 FINAL INVESTIGATION REPORT AND
STAGE 2 ABATEMENT PLAN**

EME JCT. D-1 SITE (AP-67)

**T20S, R36E, SECTION 1, UNIT LETTER D
LEA COUNTY, NEW MEXICO**

RECEIVED
NOV 28 2007
Environmental Bureau
Oil Conservation Division

Prepared for:

RICE Operating Company
122 West Taylor
Hobbs, New Mexico 88240



Prepared by:


TRIDENT
ENVIRONMENTAL

P. O. Box 7624
Midland, Texas 79708

CERTIFIED MAIL
RETURN RECEIPT NO. 7099 3400 0017 1737 1629



November 24, 2007

Mr. Edward Hansen
New Mexico Energy, Minerals, & Natural Resources
Oil Conservation Division, Environmental Bureau
1220 S. St. Francis Drive
Santa Fe, New Mexico 87504

RECEIVED
NOV 28 2007
Environmental Bureau
Oil Conservation Division

**RE: Stage 1 Final Investigation Report and Stage 2 Abatement Plan
EME Jct. D-1 Site (AP-67)
T20S-R36E-Section 1, Unit Letter D
Lea County, New Mexico**

Dear Mr. Hansen

On behalf of Rice Operating Company (ROC), enclosed are the Stage 1 Final Investigation Report, Stage 2 Abatement Plan and Notice of Publication for the above-referenced site. The Final Investigation Report includes the findings from recent investigation activities in accordance with the NMOCD-approved Stage 1 Abatement Plan. In addition, the Stage 2 Abatement Plan herein proposes corrective actions in Section 7.0.

Based on the chloride concentrations measured during the most recent soil boring investigation on April 10 and 11, 2006, it has been concluded that operation of the D-1 junction box may have caused some localized degradation of groundwater quality, however ROC has mitigated the threat of past and future accidental releases at the Jct. D-1 site by permanently removing the junction box, excavating a 30 ft wide by 30 ft long by 12 ft deep area, installing a clay layer, and backfilling the area surrounding the former junction box.

ROC proposes the creation of an infiltration barrier using imported clean topsoil and re-vegetating the surface which will enhance the effectiveness of the existing clay layer. An approximate 6,000 ft² area in the vicinity of the former junction box will be re-seeded with a mixture of native grasses and plants that will re-establish vegetation in the area at a natural rate. ROC will monitor the site for continued healthy growth of native vegetation and add amendments if necessary.

The groundwater quality in this area of Monument is regionally impaired. The amount of chloride impairment caused by the accidental release at the Jct. D-1 site did not significantly contribute to the site impairment. Chlorides or TDS concentrations in groundwater that resulted from the two accidental releases at the Jct. D-1 site will naturally attenuate by way of advective and dispersive processes. Furthermore, the existing clay layer and construction of the infiltration barrier proposed herein will mitigate the potential for residual constituents of concern from further infiltration, leaching, or percolation from the vadose zone into groundwater.

EME D-1 Site (AP-67)
Stage 1 Final Investigation Report and Stage 2 Abatement Plan

At the completion of corrective actions to the vadose zone as described in section 7.0 of the attached Stage 2 Abatement Plan, and should four more quarters of groundwater sampling results from on site monitoring wells MW-1, MW-2, and MW-4 continue to show chloride and TDS concentrations below those from upgradient monitoring well MW-3, a Stage 2 Final Report will be submitted with a request for final closure.

ROC also requests immediate suspension of BTEX analysis since there is no evidence of hydrocarbon impact to the vadose zone and since December 2004 all groundwater analyses have indicated concentrations below the WQCC standards for each constituent of BTEX.

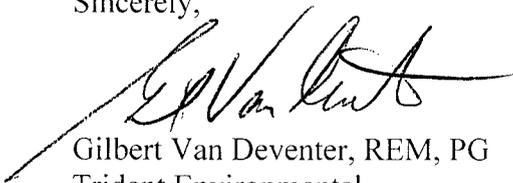
After approved by the Division, ROC will give written notice of the Stage 1 and 2 abatement plan to the following persons:

- (a) surface owners of record within one (1) mile of the perimeter of the site,
- (b) the Lea County commissioner,
- (c) those persons, as identified by the Director, who have requested notification;
- (d) the New Mexico Trustee for Natural Resources, and any other local, state or federal governmental agency affected, as identified by the Director.

Upon your review, ROC will issue the approved public notice for publication in the Albuquerque Journal and the Hobbs News Sun pursuant to OCD Rule 19.G.(2). A copy of these publications and notice to owners and all interested parties will be provided.

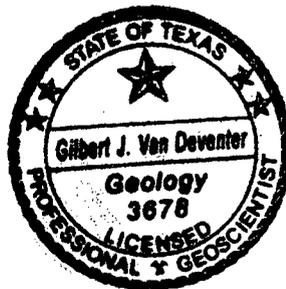
If you have any questions please call me at 432-638-8740 or Kristin Pope at 505-393-9174.

Sincerely,



Gilbert Van Deventer, REM, PG
Trident Environmental

cc: CDH, JSC, KFP



NOTICE OF PUBLICATION

State of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division

Notice is hereby given that pursuant to New Mexico Oil Conservation Division Regulations, the following Stage 2 Abatement Plan Proposal has been submitted to the Director of the Oil Conservation Division, 1220 S. St. Francis Dr., Santa Fe, New Mexico 87505, Telephone (505) 476-3440:

Rice Operating Company, Scott Curtis, General Manager, Telephone (505) 393-9174, 122 West Taylor, Hobbs, New Mexico 88240, has submitted a Stage 1 Final Investigation Report and 2 Abatement Plan Proposal (AP-67) for the EME Jct. D-1 site, located in Section 1, Township 20 south, Range 36 east, Lea County, New Mexico, approximately 2.5 miles west of Monument, New Mexico. Rice Operating Company operates a saltwater disposal pipeline at the site. Soil impacts and groundwater samples at the site exhibit elevated chloride concentrations. ROC has already mitigated the threat of past and future accidental releases at the Jct. D-1 site by permanently removing the junction box, excavating a 30 ft wide by 30 ft long by 12 ft deep area, installing a clay layer, and backfilling the area surrounding the former junction box. The Stage 2 Abatement Plan proposes additional actions which include: (1) the creation of an infiltration barrier using imported clean topsoil, (2) re-seeding the area in the vicinity of the former junction box with a mixture of native grasses and plants to re-establish vegetation at a natural rate, and (3) at the completion of the proposed corrective actions to the vadose zone, and after four more quarters of groundwater sampling results from on site monitoring wells MW-1, MW-2, and MW-4 continue to show chloride and TDS concentrations below those from upgradient monitoring well MW-3, a final report will be submitted with a request for final closure.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The Stage 2 Abatement Plan Proposal may be viewed at the above address or at the Oil Conservation Division District Office, 1625 N. French Drive, Hobbs, New Mexico 88240, Telephone (505) 393-6161 between 8:00 a.m. and 4:00 p.m., Monday through Friday. Prior to ruling on any proposed Stage 2 Abatement Plan, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which written comments may be submitted to him.

TABLE OF CONTENTS

1.0	EXECUTIVE SUMMARY	1
2.0	CHRONOLOGY OF EVENTS	3
3.0	BACKGROUND	5
3.1	Site Location and Land Use	5
4.0	GEOLOGY AND HYDROGEOLOGY	6
4.1	Regional and Local Geology	6
4.2	Regional and Local Hydrogeology	6
5.0	VADOSE ZONE CHARACTERISTICS	7
6.0	GROUNDWATER QUALITY	9
6.1	Monitoring Program	9
6.2	Hydrocarbons in Groundwater	11
6.3	Other Constituents of Concern	11
7.0	STAGE 2 ABATEMENT PLAN	13
7.1	Corrective Action to the Vadose Zone	13
7.2	Corrective Action to Groundwater	13
7.3	Closure and Proposed Schedule of Activities	13

FIGURES

Figure 1: Site Topographic Map2
Figure 2: Aerial Photograph (April 2004)5
Figure 3: Soil Sample Results8
Figure 4: Groundwater Gradient and Chloride, TDS, & BTEX Concentration Map.....10
Figure 5: Graph of Chloride and TDS Concentrations Versus Time (MW-1)12
Figure 6: Proposed Outline of Re-seeding Area and Infiltration Barrier14

TABLES

TABLE 1SUMMARY OF GROUNDWATER MONITORING RESULTS9

APPENDICES

APPENDIX A -----LITHOLOGIC LOGS & WELL CONSTRUCTION DIAGRAMS
APPENDIX B -----PHOTODOCUMENTATION
APPENDIX C -----LABORATORY REPORTS & CHAINS OF CUSTODY
APPENDIX D ----- WATER WELL INVENTORY

1.0 EXECUTIVE SUMMARY

This Stage 1 Final Investigation Report includes the findings from recent investigation activities in accordance with the NMOCD-approved Stage 1 Abatement Plan. In addition, the Stage 2 Abatement Plan herein proposes corrective actions in Section 7.0 which are briefly described below. A site topographic map is provided in Figure 1.

Based on the chloride concentrations measured during the most recent soil boring investigation on April 10 and 11, 2006, it has been concluded that the accidental release on October 25, 2004, contributed only a minor amount of the chlorides and total dissolved solids (TDS) observed in groundwater at the EME Jct. D-1 site. It is suspected that a nearby brine pond and other offsite sources of chlorides and TDS have caused the regional groundwater impact. ROC has mitigated the threat of past and future accidental releases from the Jct. D-1 site by permanently removing the junction box, excavating a 30 ft wide by 30 ft long by 12 ft deep area, installing a clay layer, and backfilling the area surrounding the former junction box.

ROC proposes the creation of an infiltration barrier using imported clean topsoil and re-vegetating the surface. An approximate 6,000 ft² area in the vicinity of the former junction box will be re-seeded with a mixture of native grasses and plants that will re-establish vegetation in the area at a natural rate. The existing clay layer and re-vegetation proposed herein will mitigate the potential for residual constituents of concern from further infiltration, leaching, or percolation from the vadose zone into groundwater. ROC will monitor the site for continued healthy growth of native vegetation and add amendments if necessary.

At the completion of corrective actions to the vadose zone as described herein, and should four more quarters of groundwater sampling results from on site monitoring wells MW-1, MW-2, and MW-4 continue to show chloride and TDS concentrations below those from upgradient monitoring well MW-3, a final report will be submitted with a request for final closure.

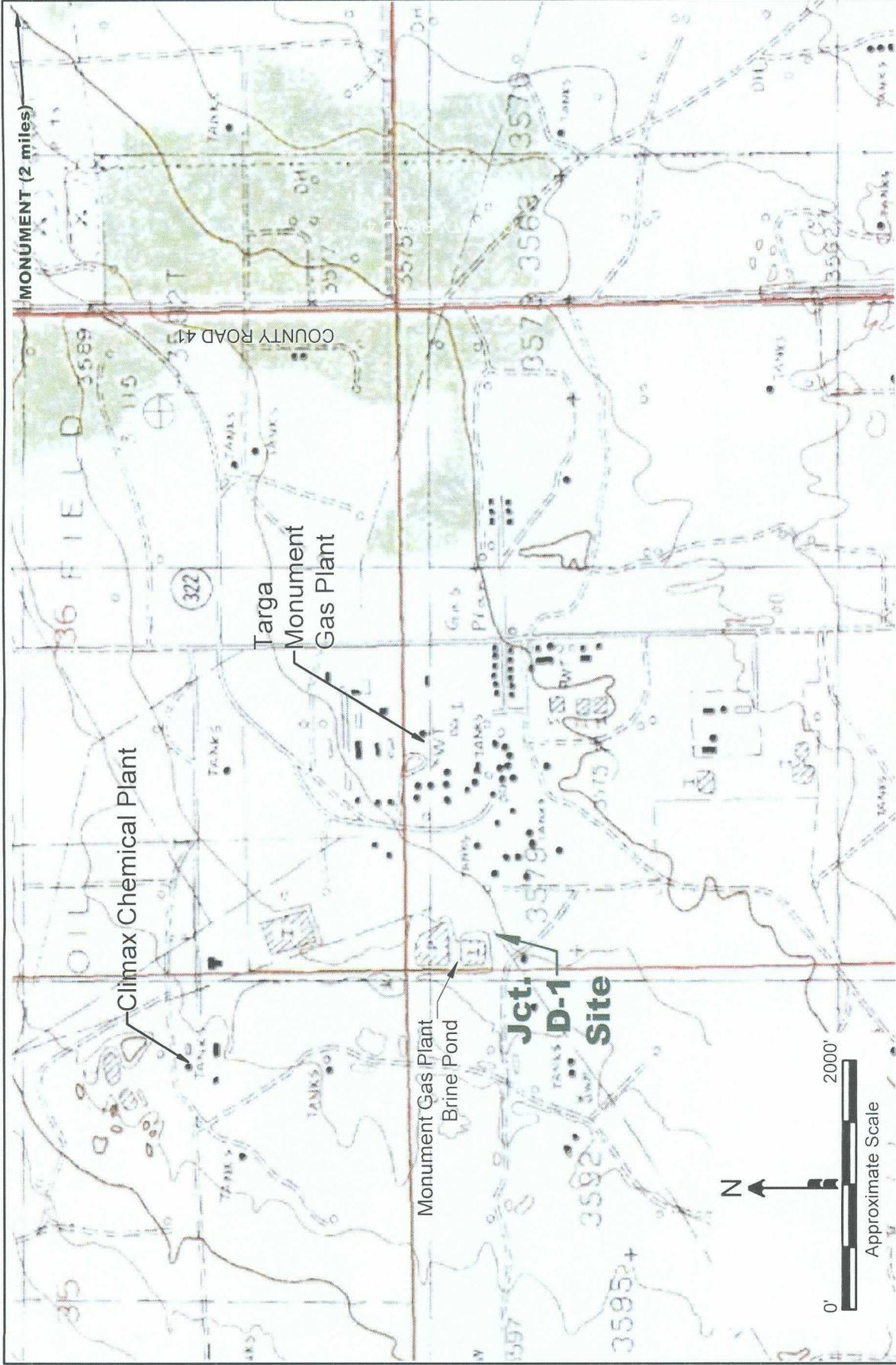


FIGURE 1
TOPOGRAPHIC MAP

EME Jct. D-1 Site
T20S-R36E-Section 1 - Unit D
RICE Operating Company



2.0 CHRONOLOGY OF EVENTS

- September 28, 2004 EME D-1 junction box was removed.
- October 1-7, 2004 Subsurface soil investigation with a backhoe, field test for chloride and hydrocarbon levels. This investigation indicated chloride impact to the vadose zone, however no indication of hydrocarbon impact was evident based on field screening with a photoionization detector (all readings were less than 0.1 ppm).
- October 25, 2004 Accidental discharge of approximately 205 barrels (bbls) of produced water from the 4-inch pipeline suspended over the excavation. Approximately 180 bbls of produced water was recovered from within the excavation where the release was contained. Also, a temporary 4-inch poly line was installed to bypass the former junction box area.
- October 27, 2004 ROC submitted a letter and C-141 Initial Report to the OCD office in Hobbs with a description of the remedial actions taken.
- November 19, 2004 The site experienced another release from the pipeline approximately 52 feet north of the junction box where the temporary poly line was coupled to the existing 4-inch PVC line. The volume of this release was approximately 335 bbls and 280 bbls were recovered.
- December 8, 2004 A monitoring well was installed a few feet south of the former junction box to further assess if ground water was impacted with chlorides.
- December 9, 2004 ROC submitted notification to the OCD office in Hobbs documenting the further actions taken.
- January 5, 2005 ROC notified the OCD office in Santa Fe that ground water impact was confirmed based on laboratory results of ground water samples analyzed from the on site monitoring well.
- March 9, 2005 A junction box disclosure report was completed and submitted to the NMOCD with all other 2005 junction box reports.
- March 10, 2005 The bottom 6-feet of excavation was backfilled with native soil.

April 29, 2005 Trident Environmental submitted an Investigation and Characterization Plan (ICP) to address potential environmental concerns at the above-referenced site.

May 5, 2005 Mr. Daniel Sanchez of the OCD requested that ROC submit an abatement plan to the OCD pursuant to Rule 19.

July 22, 2005 A 12-inch compacted clay layer was installed at 6-foot bgs.

July 26, 2005 The clay layer was covered with the remaining remediated soil to the surface, and contoured to drain rainwater away from the area.

December 5, 2005 A Stage 1 Abatement Plan for the EME Jct. D-1 site was prepared by R. T. Hicks Consultants, Ltd. and submitted to the NMOCD.

January 6, 2006 The 2005 Annual Groundwater Monitoring Report for the Jct. D-1 site was prepared by R. T. Hicks Consultants, Ltd. and submitted to the NMOCD.

February 6, 2006 ROC submitted proof of public notifications to the NMOCD.

March 30, 2006 The NMOCD gave verbal approval of the Stage 1 Abatement Plan Proposal.

April 10, 2006 Two additional monitoring wells (MW-2 and MW-3) were installed approximately 250 feet southeast and 70 feet northwest, respectively, of the former junction box.

April 10-11, 2006 Soil samples were collected from ten soil borings (B-1 through B-10) at areas outlying the former junction box.

December 14, 2006 One additional monitoring well (MW-4) was installed approximately 80 feet southeast of the former junction box, to allow monitoring of groundwater conditions closer to the downgradient side of the junction box.

February 7, 2007 The 2006 Annual Groundwater Monitoring Report for the Jct. D-1 site was prepared by Trident Environmental and submitted to the NMOCD.

3.0 BACKGROUND

3.1 Site Location and Land Use

The D-1 junction box site and release is located on New Mexico State land in Township 20 South, Range 36 East, Section 1, unit letter D approximately 3 miles west-southwest of Monument, NM as shown on the attached Site Location Map (Figure 1). Produced water gathered by the EME SWD System in the site area is sent to the I-1 SWD well, which is located approximately 1 mile southeast of the D-1 Junction Box site. 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 Partners, who provide all operating capital on a percentage ownership/usage basis.

Land in the site area is, or has been, primarily utilized for crude oil production, chemical manufacturing, and cattle grazing. Several other oil and gas production/treatment facilities are located within and around the Jct. D-1 site as shown in Figure 2 below.



Figure 2: Aerial Photograph (April 2004)

According to the State Land Office Data Search website, grazing and agriculture rights for section D, unit letter 1 are assigned to James R. Byrd under permit no. G0-2087-0000. The same database indicates many subsurface pipelines are in the area.

4.0 GEOLOGY AND HYDROGEOLOGY

4.1 Regional and Local Geology

The site is underlain by Quaternary colluvium deposits composed of sand, silt, and gravel deposited by slope wash, and talus which were re-deposited from the underlying Ogallala Formation. These deposits are often calichified (indurated with cemented calcium carbonate) with caliche layers from 1 to 20 feet thick. The thickness of the colluvium deposits and Ogallala Formation at the Jct. D-1 site is estimated at 45 feet; however it varies locally as a result of significant paleo-topography at the top of the underlying Triassic Dockum Group. Since Cretaceous Age rocks in the region have been removed by pre-Tertiary erosion, the colluvial deposits and Ogallala Formation rest unconformably on the Triassic Dockum Group. The uppermost unit of the Dockum Group is the Chinle Formation, which primarily consists of micaceous red clay and shale but also contains thin interbeds of fine-grained sandstone and siltstone. The red clays and shale of the Chinle Formation act as an aquitard beneath the water bearing colluvial deposits and therefore limit the amount of recharge to the underlying Dockum Group.

The first few feet from ground surface are dominated by fine-grained dune sand. Based on the descriptions provided in lithologic logs the subsurface soils are composed of various amounts of fine-grained sand with soft and hard caliche, gravelly sand, fine-grained sand with fractured sandstone, and sandy clay. More detailed descriptions of the subsurface lithology are provided in the soil boring and monitoring well logs (Appendix A).

4.2 Regional and Local Hydrogeology

Potable ground water used in southern Lea County is derived primarily from the Ogallala Formation and the Quaternary alluvium. Water from the Ogallala and alluvium aquifers in southern Lea County is used for irrigation, stock, domestic, industrial, and public supply purposes. Water well records from the Office of the State Engineer (NMOSE) and the United States Geological Survey (USGS) websites were reviewed to determine if there are any active water supply wells in use for domestic, irrigation, livestock, municipal, or industrial purposes in the Jct. D-1 area (Appendix D). As a result of this review and several field reconnaissance efforts there currently are no known potential water supply receptors within ½ mile of the Jct. D-1 site.

Recent data from the four monitoring wells at the Jct. D-1 site shows that the water table slopes towards the southeast at a magnitude of approximately 0.005 ft/ft which is consistent with those of several other groundwater monitoring sites in the Monument area and the prevailing regional gradient as cited in published reports (Nicholsen and Clebsch, 1961). Depth to groundwater beneath the site area is approximately 34 feet bgs. The base of the aquifer is at approximately 45 ft bgs with a saturated thickness estimated at 11 feet. There are no surface water bodies located within a mile of the site.

5.0 VADOSE ZONE CHARACTERISTICS

On April 10 and 11, 2006, two additional monitoring wells (MW-2 and MW-3) and ten soil borings (B-1 through B-10) were installed to complete delineation of the Jct. D-1 site in accordance with the Stage 1 Abatement Plan. Results of the soil sampling activities are shown on Figure 3.

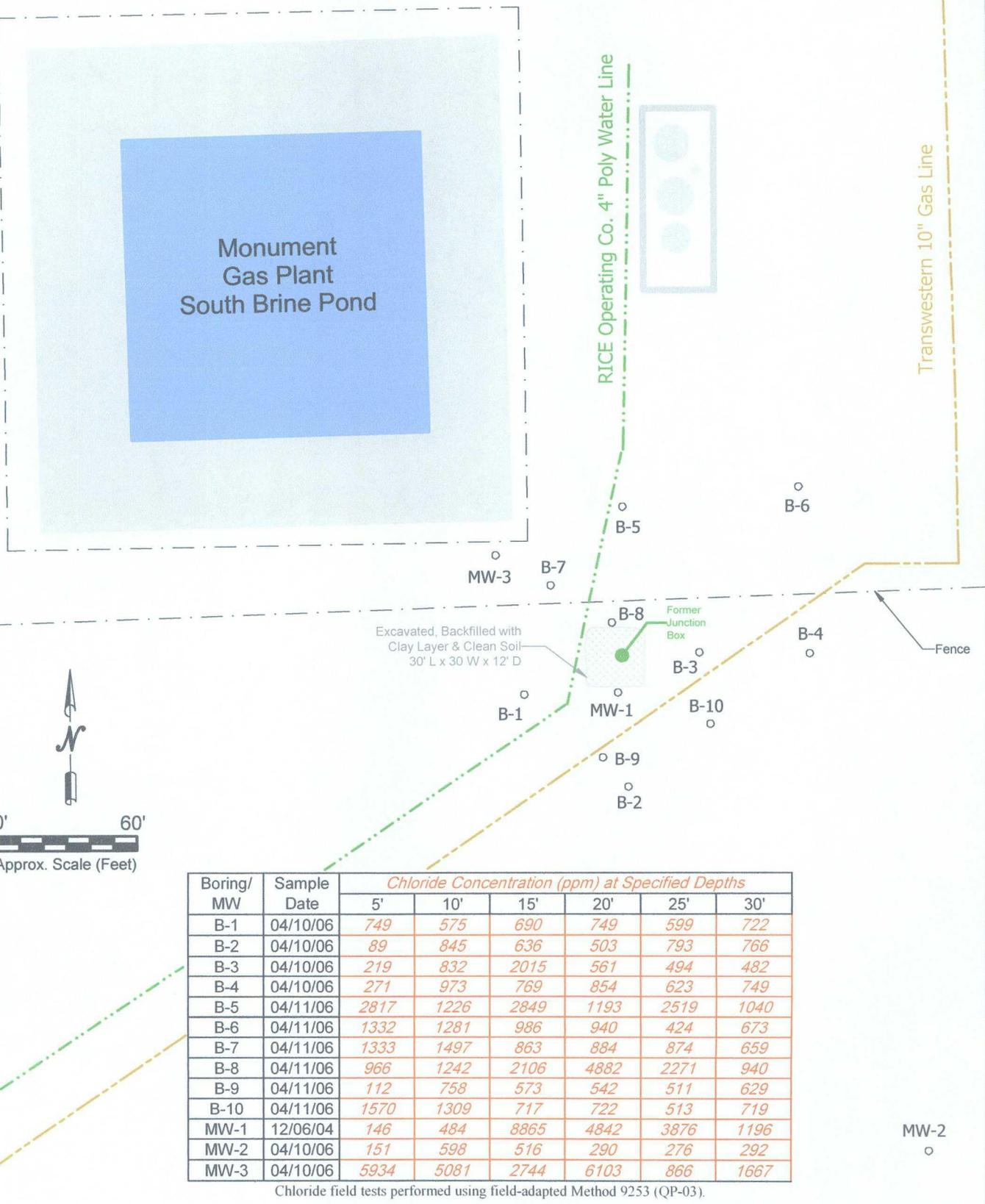
Each boring was advanced to a depth of 30 feet bgs and samples were collected at 5-foot intervals. Soil samples were analyzed in the field for chlorides using field-adapted Method 9253 (QP-03). In addition, headspace readings were obtained using a calibrated Thermal Instruments Model 580B Organic Vapor Meter (OVM) in accordance with procedures described in QP-07.

The first few feet from ground surface are dominated by fine-grained dune sand. Based on the descriptions provided in lithologic logs the subsurface soils are composed of various amounts of fine-grained sand with soft and hard caliche, gravelly sand, fine-grained sand with fractured sandstone, and sandy clay. Detailed descriptions of the subsurface lithology, field screening measurements, and monitoring well construction are provided in the soil boring and monitoring well logs (Appendix A). Photo documentation of field activities is included in Appendix B. Laboratory analytical reports and chain of custody documentation are included in Appendix C.

There is no indication of hydrocarbon impact to the vadose zone or groundwater at the Jct. D-1 site. However, based on the field chloride concentrations measured at each boring and monitoring well, there is reasonable probability that the Monument Gas Plant South Brine Pond located upgradient and adjacent to the Jct. D-1 site is a significant source of chlorides and TDS observed in the vadose zone and groundwater at the Jct. D-1 site. The highest chloride concentrations in the vadose zone *and* groundwater were observed in monitoring well MW-3 at the southeast edge of the south brine pond, approximately 75 ft northwest of the former junction box, and outside the area of the accidental discharge.

Although the upgradient brine pond is the likely source for the majority of the degradation in groundwater quality at the Jct. D-1 site, the accidental release into the excavation of the former junction box on October 25, 2004, may have contributed a minor amount to the chlorides and TDS observed on site.

ROC has mitigated the threat of the accidental release at the Jct. D-1 site by permanently removing the junction box, installing a clay layer, and backfilling a 30 ft wide by 30 ft long by 12 ft deep excavated area surrounding the former junction box. Further mitigation activities such as surface re-vegetation are proposed in section 7.0.



Boring/ MW	Sample Date	Chloride Concentration (ppm) at Specified Depths					
		5'	10'	15'	20'	25'	30'
B-1	04/10/06	749	575	690	749	599	722
B-2	04/10/06	89	845	636	503	793	766
B-3	04/10/06	219	832	2015	561	494	482
B-4	04/10/06	271	973	769	854	623	749
B-5	04/11/06	2817	1226	2849	1193	2519	1040
B-6	04/11/06	1332	1281	986	940	424	673
B-7	04/11/06	1333	1497	863	884	874	659
B-8	04/11/06	966	1242	2106	4882	2271	940
B-9	04/11/06	112	758	573	542	511	629
B-10	04/11/06	1570	1309	717	722	513	719
MW-1	12/06/04	146	484	8865	4842	3876	1196
MW-2	04/10/06	151	598	516	290	276	292
MW-3	04/10/06	5934	5081	2744	6103	866	1667

Chloride field tests performed using field-adapted Method 9253 (QP-03).



EME Jct. D-1 SITE
T20S-R36E-Section 1-Unit D
RICE Operating Company

FIGURE 3
SOIL SAMPLING
RESULTS

6.0 GROUNDWATER QUALITY

6.1 Monitoring Program

Monitoring well (MW-1) has been sampled on a quarterly basis for major ions, TDS, and BTEX, since January 2002. On April 10 and 11, 2006, two additional monitoring wells (MW-2 and MW-3) were installed downgradient and upgradient, respectively, of the former junction box at the Jct. D-1 site to evaluate groundwater quality conditions. An additional monitoring well (MW-4) was installed approximately 80 feet southeast of the former junction box, to allow monitoring of groundwater conditions closer to the downgradient side of the junction box.

Historical analytical results and groundwater elevations for monitoring wells MW-1, MW-2, MW-3, and MW-4 are shown in Table 1 below. A map of the most current groundwater quality conditions for the Jct. D-1 site is depicted in Figure 4. A copy of the laboratory analytical report and chain of custody form for the most recent ground water sampling event is included in Appendix C.

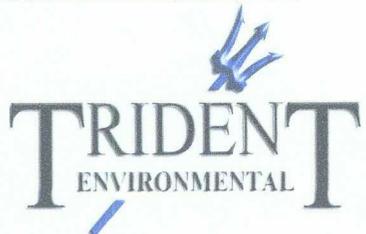
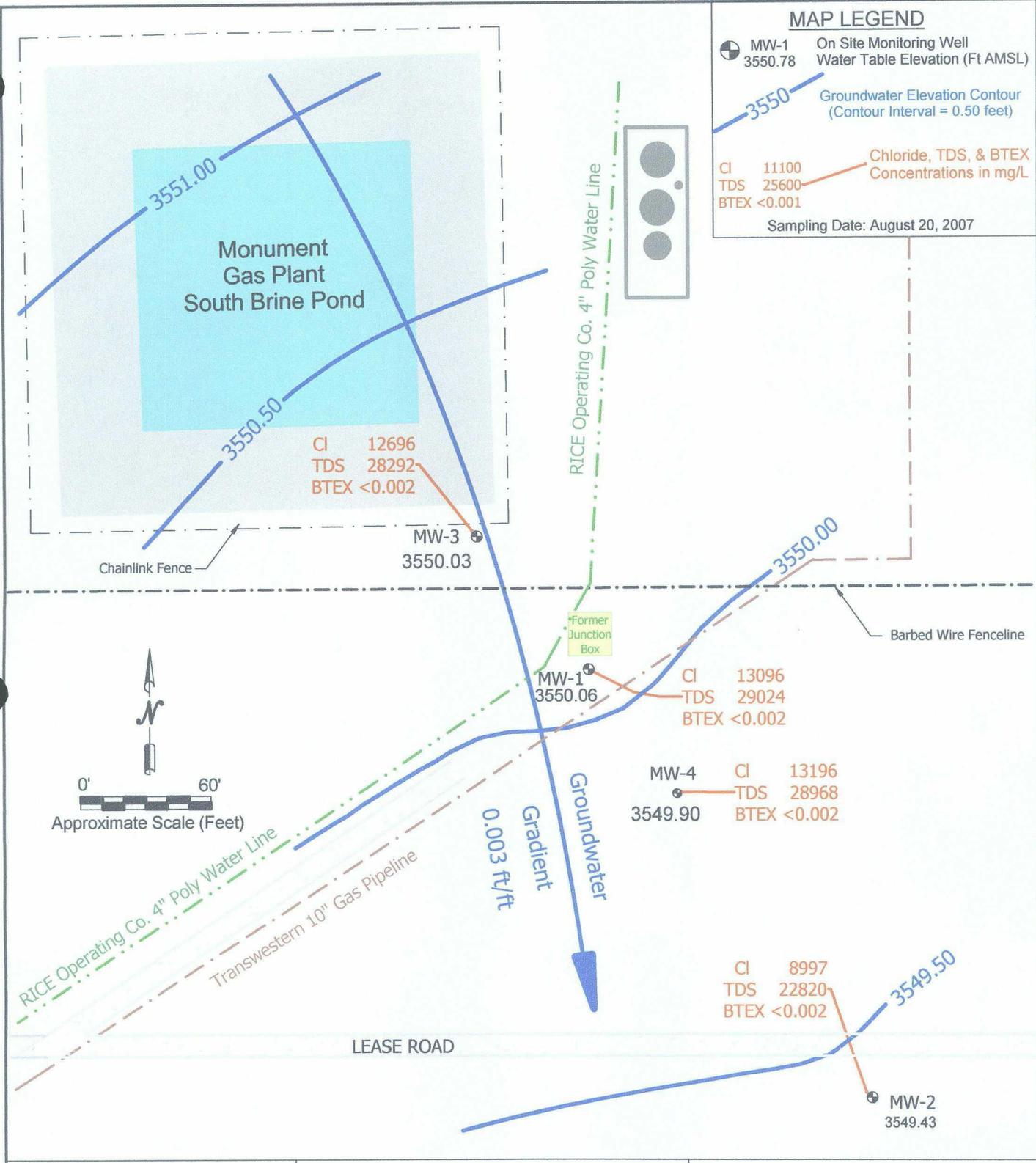
Table 1
Historical Analytical and Groundwater Elevations

Monitoring Well	Sample Date	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet AMSL)	Chloride (mg/L)	TDS (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)
MW-1	12/21/04	37.20	3550.57	29,400	56,800	<0.001	<0.001	<0.001	<0.001
	02/09/05	36.20	3551.57	29,200	54,200	<0.001	<0.001	<0.001	<0.001
	05/03/05	35.27	3552.50	22,900	43,600	<0.001	<0.001	<0.001	<0.001
	08/13/05	37.74	3550.03	18,600	34,800	<0.001	<0.001	<0.001	<0.001
	10/19/05	34.70	3553.07	15,600	31,900	<0.001	<0.001	<0.001	<0.001
	01/18/06	34.95	3552.82	13,000	28,000	<0.001	<0.001	<0.001	<0.001
	04/19/06	35.54	3552.23	10,700	26,800	<0.001	<0.001	<0.001	<0.001
	07/18/06	36.24	3551.53	12,900	24,400	<0.001	<0.001	<0.001	<0.001
	10/10/06	36.57	3551.20	10,200	20,200	<0.001	<0.001	<0.001	<0.001
	02/27/07	36.99	3550.78	11,400	26,400	<0.001	<0.001	<0.001	<0.001
	06/04/07	37.36	3550.41	13,100	25,700	<0.001	<0.001	<0.001	<0.001
08/20/07	37.71	3550.06	13,096	29,024	<0.002	<0.002	<0.002	<0.006	
MW-2	04/19/06	33.89	3551.73	8,730	19,200	<0.001	<0.001	<0.001	<0.001
	07/18/06	34.65	3550.97	9,390	19,950	<0.001	<0.001	<0.001	<0.001
	10/10/06	34.87	3550.75	7,910	18,000	<0.001	<0.001	<0.001	<0.001
	02/27/07	35.38	3550.24	8,780	20,100	<0.001	<0.001	<0.001	<0.001
	06/04/07	35.87	3549.75	9,230	20,500	<0.001	<0.001	<0.001	<0.001
08/20/07	36.19	3549.43	8,997	22,820	<0.002	<0.002	<0.002	<0.006	
MW-3	04/19/06	37.55	3552.29	11,100	25,600	<0.001	<0.001	<0.001	<0.001
	07/18/06	38.24	3551.60	15,400	25,900	<0.001	<0.001	<0.001	<0.001
	10/10/06	38.59	3551.25	13,100	24,000	<0.001	<0.001	<0.001	<0.001
	02/27/07	39.00	3550.84	15,900	30,800	<0.001	<0.001	<0.001	<0.001
	06/04/07	39.47	3550.37	18,100	33,100	<0.001	<0.001	<0.001	<0.001
08/20/07	39.81	3550.03	12,696	28,292	<0.002	<0.002	<0.002	<0.006	
MW-4	12/22/06	35.97	3550.93	12,900	22,700	<0.001	<0.001	<0.001	<0.001
	02/27/07	36.23	3550.67	11,800	26,400	<0.001	<0.001	<0.001	<0.001
	06/04/07	36.67	3550.23	12,600	25,100	<0.001	<0.001	<0.001	<0.001
	08/20/07	37.00	3549.90	13,196	28,968	<0.002	<0.002	<0.002	<0.006
WQCC Standards				250	1000	0.01	0.75	0.75	0.62

MAP LEGEND

- MW-1 3550.78 On Site Monitoring Well Water Table Elevation (Ft AMSL)
- 3550 Groundwater Elevation Contour (Contour Interval = 0.50 feet)
- Cl 11100 Chloride, TDS, & BTEX Concentrations in mg/L
- TDS 25600
- BTEX <0.001

Sampling Date: August 20, 2007



EME JCT. D-1 SITE
T20S - R36E - Section 1- Unit D
RICE Operating Company

FIGURE 4
GROUNDWATER ELEVATION AND CHLORIDE, TDS, & BTEX CONCENTRATION MAP

6.2 Hydrocarbons in Ground Water

BTEX concentrations in all monitoring wells (MW-1, MW-2, MW-3, and MW-4) have been below New Mexico Water Quality Control Commission (WQCC) standards for each constituent and for every sampling event taken place.

6.3 Other Constituents of Concern

Chloride concentrations in monitoring wells MW-1 (13,100 mg/L), MW-2 (9,230 mg/L), MW-3 (18,100), and MW-4 (12,600 mg/L) exceed the WQCC standard of 250 mg/L.

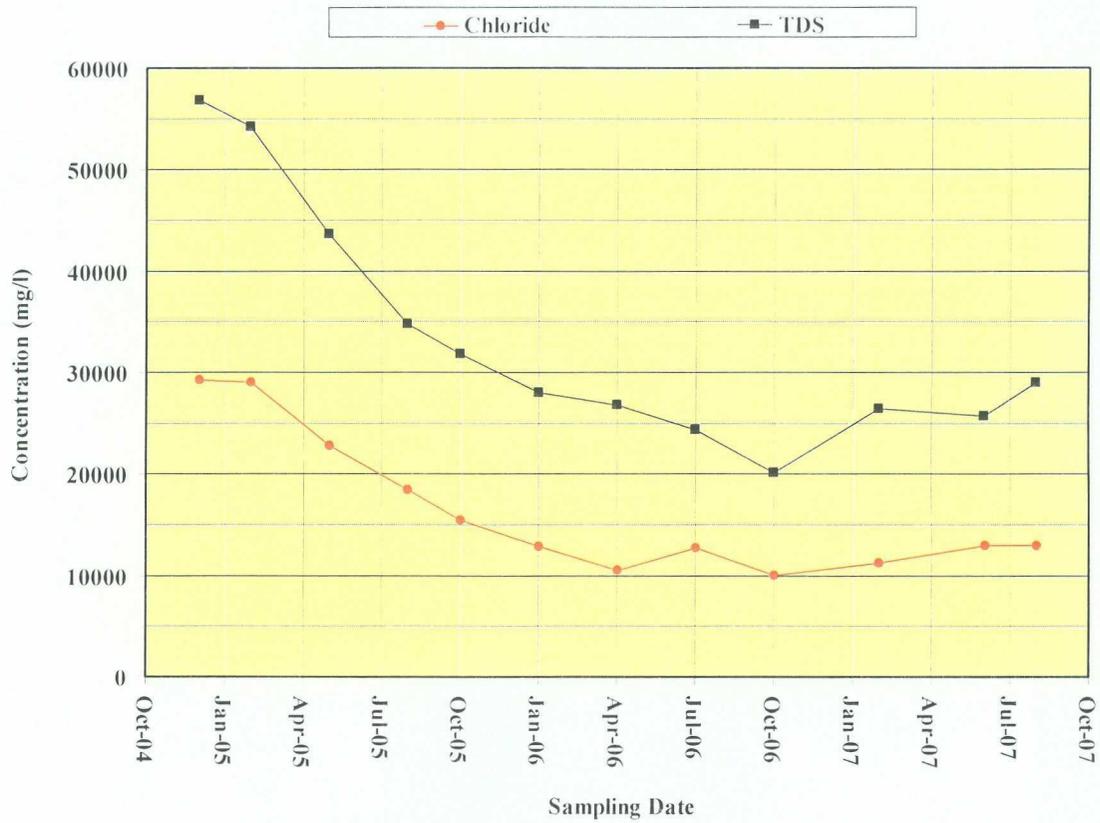
The TDS concentrations in monitoring wells MW-1 (25,700 mg/L), MW-2 (20,500 mg/L), MW-3 (33,100), and MW-4 (25,100 mg/L) exceed the WQCC standard of 1,000 mg/L.

The higher chloride concentrations in upgradient monitoring well MW-3 (18,100 mg/L) are evidence of an upgradient offsite source. Monitoring well MW-3 is located at the southeast edge of the south brine pond (Monument Gas Plant) which has high potential for being the source of chlorides and TDS observed at the downgradient Jct. D-1 site.

There is reasonable probability other upgradient sources, including an abandoned hydrochloric and sulfuric acid manufacturing plant (DLD Resources, formerly Climax Chemical Company) located less than ½ mile northwest of the Jct. D-1 site, contributed to the regional groundwater impairment.

Although upgradient sources are likely for the majority of the degradation in groundwater quality at the Jct. D-1 site, there is reasonable probability that the reported accidental release into the excavation of the former junction box on October 25, 2004 has temporarily increased the chlorides and TDS observed on site. As shown graphically in Figure 5, chloride concentrations in MW-1, which is located adjacent to the southeast edge of the former junction box excavation, declined from a high of 29,400 mg/L in December 2004 to 10,700 mg/L by April 2006. TDS levels have correspondingly decreased during the same time period. However, since April 2006, chloride and TDS concentrations have remained relatively steady.

Figure 5
Graph of Chloride and TDS Concentrations Versus Time (MW-1)



7.0 STAGE 2 ABATEMENT PLAN

7.1 Corrective Action to the Vadose Zone

ROC has mitigated the threat of any accidental releases from the Jct. D-1 site by permanently removing the junction box, installing a clay layer, and backfilling a 30 ft wide by 30 ft long by 12 ft deep excavated area surrounding the former junction box.

ROC further proposes the creation of an infiltration barrier using imported clean sandy loam for the topsoil layer and re-vegetating the surface which will enhance the effectiveness of the existing clay layer. An approximate 6,000 ft² area in the vicinity of the former junction box where there is a lack of vegetation will be re-seeded with a mixture of native grasses and plants that will re-vegetate the area at a natural rate. The infiltration barrier will enhance the effectiveness of the clay layer by providing two natural processes to control infiltration: (1) soil provides a water reservoir, and (2) natural evaporation from the soil plus plant transpiration empties the soil water reservoir. The infiltration barrier will consist of a layer of soil (sandy loam) that will support the growth of native grasses and plants and will vary in thickness to match the surrounding terrain of the dune sand habitat. The cover will contain selected soil (imported topsoil and onsite blended soils) and will be placed to maintain desirable soil properties. The onsite blended soils, if used, will have chloride concentrations below 500 mg/kg.

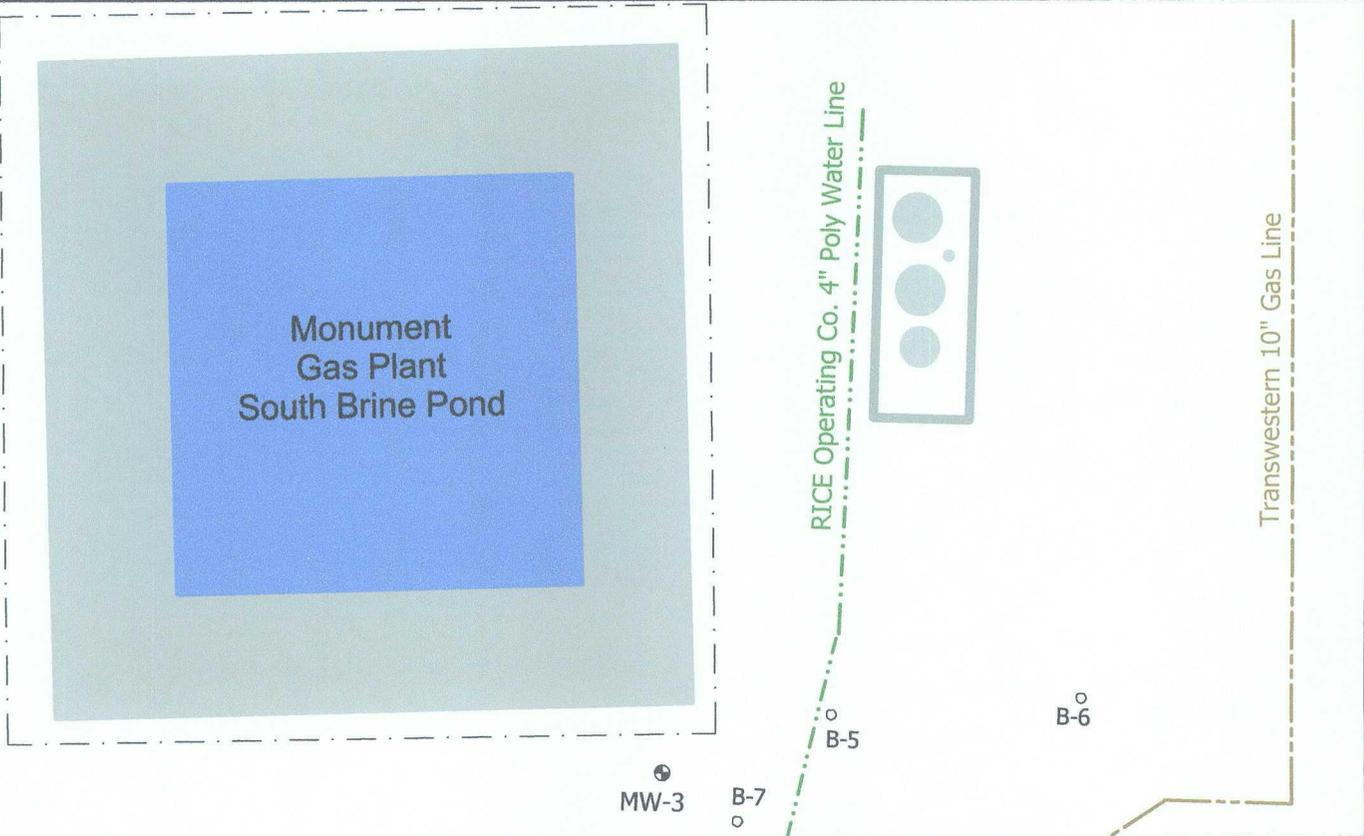
Figure 6 depicts the area proposed for re-seeding and construction of the infiltration barrier. ROC will monitor the site for continued healthy growth of vegetation and add amendments if necessary.

7.2 Corrective Action to the Groundwater

The groundwater quality in this area of Monument is regionally impaired. The amount of chloride impairment caused by the accidental release from the Jct. D-1 did not significantly contribute to the regional impairment. Chlorides or TDS in groundwater that resulted from any accidental releases at the Jct. D-1 site will naturally attenuate. Furthermore, the existing clay layer and re-vegetation as proposed above will mitigate the potential for residual constituents of concern from further infiltration, leaching, or percolation from the vadose zone into groundwater. ROC will continue quarterly groundwater sampling at each of the four monitoring wells.

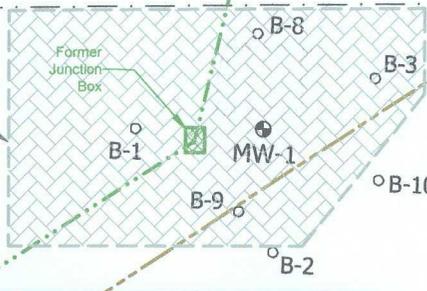
7.3 Closure and Proposed Schedule of Activities

At the completion of corrective actions to the vadose zone as described above, and after four more quarters of groundwater sampling results from on site monitoring wells MW-1, MW-2, and MW-4 continue to show chloride and TDS concentrations below those from upgradient monitoring well MW-3, a final report will be submitted with a request for final closure.



Approximate outline of area to be re-seeded and infiltration barrier

0' 60'
Approx. Scale (Feet)



View facing southeast showing un-vegetated area where proposed infiltration barrier will be overlain.



EME Jct. D-1 SITE
T20S-R36E-Section 1-Unit D
RICE Operating Company

FIGURE 6
PROPOSED OUTLINE OF RE-SEEDING AREA AND INFILTRATION BARRIER

APPENDIX A

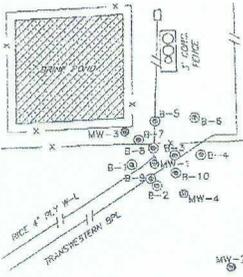
LITHOLOGIC LOGS

AND

**MONITORING WELL CONSTRUCTION
DIAGRAMS**

Logger:		Israel Juarez: Mort Bates		Client:		RICE Operating Company		Well ID:	
Driller:		Atkins Engineering Associates, Inc.		Project Name:		jct. D-1 leak		MW-1	
Drilling Method:		4.25 in. Hollow Stem Auger		Location:		EME SWD System			
Start Date:		12/8/04				unit 'D', Sec. 1, T20S, R36E			
End Date:		12/8/04				Lea County, NM			
Notes:		20 ft southwest of former junction box site TD = 40 ft Groundwater = 31 ft							
Depth (feet)	Split Spoon		Description	Lithology	Well Construction				
	chloride	PID							
0.0	113	1.6	0 - 4 ft CLAYEY SAND loose, light tan, damp						
1.0									
2.0									
3.0									
4.0			4 - 11 ft SILTY SAND w/CALICHE reddish tan, damp		grout				
5.0	146	5.2							
6.0									
7.0									
8.0									
9.0									
10.0	484	0.9	11 - 22 ft CLAYEY SAND w/CALICHE loose, tan, moist		2-in. sch. 40 PVC casing				
11.0									
12.0									
13.0									
14.0									
15.0	8865	0.5							
16.0									
17.0									
18.0			bentonite seal						
19.0									
20.0	4842	4.1							
21.0									
22.0			22 - 31 ft SILTY SAND w/BROKEN SANDSTONE reddish tan, damp						
23.0									
24.0									
25.0	3876	0.9							
26.0									
27.0									
28.0									
29.0									
30.0	1196	2.1	31 - 40 ft POORLY-GRADED SAND soft, tan, wet		sand pack				
31.0									
32.0									
33.0									
34.0									
35.0	1113	0.9							
36.0									
37.0									
38.0									
39.0									
40.0									

lab = 1120
ppm Cl

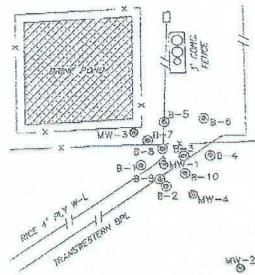


LITHOLOGIC LOG AND MONITORING WELL CONSTRUCTION DIAGRAM

MONITOR WELL NO.: MW-2	TOTAL DEPTH: 45 Feet
SITE ID: EME D-1	CLIENT: RICE Operating Company
CONTRACTOR: Harrison & Cooper, Inc.	COUNTY: Lea
DRILLING METHOD: Air Rotary	STATE: New Mexico
START DATE: 04/10/06	LOCATION: T20S-R36E-Sec 1-Unit D
COMPLETION DATE: 04/10/06	FIELD REP.: G. Van Deventer
COMMENTS: Monitoring well located approximately 250 feet southeast of former junction box.	

Casing / Plug / Pack Description	Depth (ft)	Sample Time	Sample Type	Chloride (ppm)	PID (ppm)	USCS	Color	LITHOLOGIC DESCRIPTION:
								LITHOLOGY, COLOR, GRAIN SIZE, SORTING, ROUNDING, CONSOLIDATION, DISTINGUISHING FEATURES
	Surface		Surface					Light brown (5 YR 6/4) sandy loam, dune sand, fine-grained, subrounded grains, unconsolidated, dry
Cement	5							
3/8 Bentonite Hole Plug	5							
2" Sched 40 PVC Blank Casing	5 - 1358		Split Spoon	151	0	SW		Light brown (5 YR 6/4) fine-grained sand, subrounded grains, unconsolidated, dry.
3/8 Bentonite Hole Plug	1358							
	10							
	1400		Split Spoon	598	0			Very pale orange (10 YR 8/2) fine-grained sand, subrounded grains, unconsolidated, dry. Soft and hard caliche in matrix.
	15							Hard caliche layer at 15 feet
	1403		Split Spoon	516	0	SM/CAL		Very pale orange (10 YR 8/2) fine-grained sand, subrounded grains, unconsolidated, dry. Soft and hard caliche in matrix.
	20							
	1407		Split Spoon	290	0			Grayish-orange (10 YR 7/4) fine-grained sand, subrounded grains, unconsolidated, dry.
	25							
	1415		Split Spoon	276	0	SM		Pale yellowish brown (10 YR 6/2) fine-grained sand, subrounded grains, unconsolidated, dry.
	30							
	1421		Split Spoon	292	0			Pale yellowish brown (10 YR 6/2) fine-grained sand, subrounded grains, unconsolidated, dry.
	35							Pale brown (5YR 5/2) fine-grained sandstone. Moist at 31 ft.
20/40 Brady Silica Sand Pack	35 - 40		Cuttings			SS/SW		Pale brown (5YR 5/2) gravelly sand, subrounded grains, poorly sorted, unconsolidated, moist. Sand is fine-grained and gravel ranges from pea size to 1" nodules.
2" Diameter Screen with 0.010" Slots	40 - 45		Cuttings			GP		Gravel content increases with depth Pale brown (5YR 5/2) fine-grained sandy gravel, subrounded grains, poorly sorted, unconsolidated, very moist. Sand is fine-grained and gravel ranges from pea size to 1" nodules.
20/40 Brady Silica Sand Pack	45 - 45		Cuttings			SW		Moderate reddish orange (10R 6/6) fine and medium-grained sand, subrounded grains, unconsolidated, very moist.
	45							Bottom of boring at 45 ft below ground surface.
	50							
	1440		Cuttings			CL		Moderate reddish brown (10R 4/6) sandy clay (red bed), wet.

LITHOLOGIC LOG AND MONITORING WELL CONSTRUCTION DIAGRAM

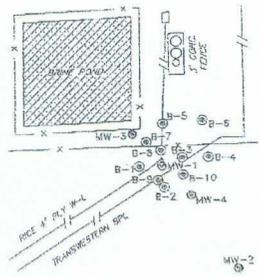


MONITOR WELL NO.: MW-3
 SITE ID: EME D-1
 CONTRACTOR: Harrison & Cooper, Inc.
 DRILLING METHOD: Air Rotary
 START DATE: 04/10/06
 COMPLETION DATE: 04/10/06
 COMMENTS: Monitoring well located approximately 70 feet northwest of former junction box and at southeast corner of brine pond.

TOTAL DEPTH: 45 Feet
 CLIENT: RICE Operating Company
 COUNTY: Lea
 STATE: New Mexico
 LOCATION: T20S-R36E-Sec 1-Unit D
 FIELD REP.: G. Van Deventer

Depth (ft)	Sample Time	Sample Type	Chloride (ppm)	PID (ppm)	USCS	Color	LITHOLOGIC DESCRIPTION:
							LITHOLOGY, COLOR, GRAIN SIZE, SORTING, ROUNDING, CONSOLIDATION, DISTINGUISHING FEATURES
Surface		Surface			SW	Light brown (5 YR 6/4) sandy loam, dune sand, fine-grained, subrounded grains, unconsolidated, dry	
5		Cement					
1604		Split Spoon	5934	0	SW	Pale yellowish brown (10 YR 6/2) fine-grained sand with very pale orange (10YR 8/2) soft caliche in matrix. Sand grains are subrounded, unconsolidated, dry.	
10		Cement					
1608		Split Spoon	5081	0	SM/CAL	Very pale orange (10 YR 8/2) fine-grained sand, subrounded grains, unconsolidated, dry. Soft and hard caliche in matrix.	
15		Cement					
1610		Split Spoon	2744	0	SM/CAL	Very pale orange (10 YR 8/2) fine-grained sand, subrounded grains, unconsolidated, dry. Soft and hard caliche in matrix.	
20		Cement					
1615		Split Spoon	6103	0	SM	Grayish-orange (10 YR 7/4) fine-grained sand, subrounded grains, unconsolidated, dry.	
25		Cement					
1620		Split Spoon	866	0	SS	Grayish-orange (10 YR 7/4) fine-grained sand, subrounded grains, unconsolidated, dry.	
30		Cement					
1628		Split Spoon	1667	0	SW	Pale brown (5YR 5/2) cherty sandstone (microcrystalline grain size). Light brown (5 YR 6/4) fine-grained sand, subrounded grains, unconsolidated, dry	
35		Cuttings			SW	Light brown (5 YR 6/4) fine-grained sand, subrounded grains, unconsolidated, dry	
40		Cuttings			SP	Pale brown (5YR 5/2) cherty sandstone (microcrystalline grain size). Slightly moist at 31 ft. Pale brown (5YR 5/2) fine-grained sand, subrounded grains, unconsolidated, slightly moist.	
45		Cuttings			SW	Grayish-orange (10YR 7/4) gravelly sand, subrounded grains, poorly sorted, unconsolidated, moist. Sand is fine-grained and gravel ranges from pea size to 1" nodules.	
					CL	Pale brown (5YR 5/2) gravelly sand, subrounded grains, poorly sorted, unconsolidated, moist. Sand is fine to medium-grained and gravel ranges from pea size to 1" nodules. Bottom of boring at 45 ft below ground surface.	
					CL	Moderate reddish brown (10R 4/6) sandy clay (red bed), wet	

LITHOLOGIC LOG AND MONITORING WELL CONSTRUCTION DIAGRAM



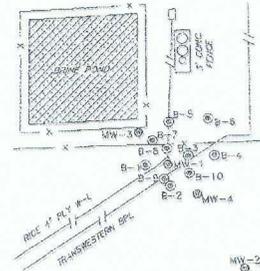
MONITOR WELL NO.: MW-4	TOTAL DEPTH: 45 Feet
SITE ID: EME D-1	CLIENT: RICE Operating Company
CONTRACTOR: Harrison & Cooper, Inc.	COUNTY: Lea
DRILLING METHOD: Air Rotary	STATE: New Mexico
START DATE: 12/14/06	LOCATION: T20S-R36E-Sec 1-Unit D
COMPLETION DATE: 12/14/06	FIELD REP.: G. Van Deventer
COMMENTS: Monitoring well located approximately 80 feet southeast of former junction box. corner of brine pond.	

Depth (ft)	Sample Time	Sample Type	Chloride (ppm)	PID (ppm)	USCS	Color	LITHOLOGIC DESCRIPTION:
							LITHOLOGY, COLOR, GRAIN SIZE, SORTING, ROUNDING, CONSOLIDATION, DISTINGUISHING FEATURES
0		Surface					Pale yellowish brown (10 YR 6/2) fine-grained sand. Sand grains are subrounded, well sorted, unconsolidated, dry.
5	0814	Cuttings			SW		Pale yellowish brown (10 YR 6/2) fine-grained sand. Sand grains are subrounded, well sorted, unconsolidated, dry.
10	0816	Cuttings			SM/CAL		Grayish-orange (10 YR 7/4) fine-grained sand with very pale orange (10 YR 8/2) soft caliche in matrix.
15	0818	Cuttings				As above but with increasing calcium carbonate (caliche) content.	
20	0820	Cuttings			SW		Light brown (5 YR 5/6) fine-grained sand, subrounded grains, well sorted, unconsolidated, dry
25	0823	Cuttings				Light brown (5 YR 5/6) very fine-grained sand, subrounded grains, moderately sorted, unconsolidated, dry	
30	0825	Cuttings			SW/CAL		Light brown (5 YR 6/4) fine-grained sand with <5% grayish orange (10 YR 7/4) calcium carbonate in matrix. Sand grains are subrounded, moderately sorted, unconsolidated, dry
35	0827	Cuttings				Light brown (5 YR 6/4) fine to medium-grained sand with <5% grayish orange (10 YR 7/4) calcium carbonate in matrix. Sand grains are subrounded, moderately sorted, unconsolidated, dry	
40	0828	Cuttings			SW		Light brown (5 YR 5/6) fine to medium-grained sand, subrounded grains, moderately sorted, unconsolidated, slightly damp.
45	0830	Cuttings			SC		Moderate reddish brown (10R 4/6) clayey sand, wet.
					CL		Bottom of boring at 45 ft below ground surface.



Geologist:	Gil Van Deventer	RICE Operating Company	Borehole ID:
Driller:	Harrison & Cooper, Inc.		B-1
Drilling Method:	Air Rotary	Project Name:	
Start Date:	04/10/06	EME D-1 Junction Box Site	
End Date:	04/10/06	Location:	
<u>Notes:</u> Boring located 43 feet west of former junction box.	EME SWD System		
	unit 'D', Sec. 1, T20S, R36E		
	Lea County, NM		

Depth (feet)	Sample			Chloride (ppm)	OVM (ppm)	Color	USCS Symbol	Description: Color, Grain size, Sorting, rounding, Consolidation, Distinguishing Features
	Interval	Time	Type					
0						Light brown to tan	SW	Light brown (5 YR 6/4) sandy loam, dune sand, fine-grained, subrounded grains, unconsolidated, dry
1								
2								
3								
4								
5	5-7	907	Split Spoon	749	0			Light brown (5 YR 6/4 and 5 YR 5/6) fine-grained sand, subrounded grains, unconsolidated, dry
6								
7								
8								
9								
10	10-12	911	Split Spoon	575	0			Light brown (5 YR 6/4 and 5 YR 5/6) fine-grained sand, subrounded grains, unconsolidated, dry
11								
12								Hard caliche layer at 13 feet
13								
14								
15	15-17	916	Split Spoon	690	0			Very pale orange (10 YR 8/2) caliche (soft) with grayish-orange (10 YR 7/4) fine-grained sand, subrounded grains, unconsolidated, dry.
16								
17								
18								
19								
20	20-22	919	Split Spoon	749	0			Grayish-orange (10 YR 7/4) fine-grained sand, subrounded grains, unconsolidated, dry.
21								
22								
23								
24								
25	25-27	928	Split Spoon	599	0			Light brown (5 YR 6/4) fine-grained sand, subrounded grains, unconsolidated, dry.
26								
27								
28								
29								
30	30-32	935	Split Spoon	722	0			Light brown (5 YR 6/4) fine-grained sand, subrounded grains, unconsolidated, dry.
31								Moist (groundwater) at 31 ft bgs.
32								Boring terminated at 32 feet.
33								
34								
35								
36								
37								
38								
39								
40								

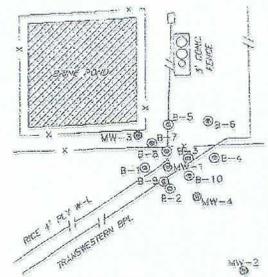


Geologist:	Gil Van Deventer	RICE Operating Company	Borehole ID:
Driller:	Harrison & Cooper, Inc.		B-2
Drilling Method:	Air Rotary	Project Name:	
Start Date:	04/10/06	EME D-1 Junction Box Site	
End Date:	04/10/06	Location:	
Notes: Boring located 53 feet south of former junction box.		EME SWD System	
		unit 'D', Sec. 1, T20S, R36E	
		Lea County, NM	

Depth (feet)	Sample			Chloride (ppm)	OVM (ppm)	Color	USCS Symbol	Description: Color, Grain size, Sorting, rounding, Consolidation, Distinguishing Features
	Interval	Time	Type					
0						Light brown (5 YR 6/4) sandy loam, dune sand, fine-grained, subrounded grains, unconsolidated, dry	SW	
1								
2								
3								
4								
5	5-7	958	Split Spoon	89	0	Very pale orange (10 YR 8/2) fine-grained sand, subrounded grains, unconsolidated, dry. Soft and hard caliche in matrix.	SM/CAL	
6								
7								
8						Very pale orange (10 YR 8/2) and light brown (5Y 6/4) fine-grained sand, subrounded grains, unconsolidated, dry. Soft caliche in matrix.		
9								
10	10-12	1000	Split Spoon	845	0	Hard caliche layer at 13 feet		
11								
12						Light brown (5 YR 5/6) fine-grained sand, subrounded grains, unconsolidated, dry.		
13								
14								
15	15-17	1003	Split Spoon	636	0			
16						Light brown (5 YR 5/6) fine-grained sand, subrounded grains, unconsolidated, dry.		
17								
18								
19						Light brown (5 YR 5/6) fine-grained sand, subrounded grains, unconsolidated, dry.		
20								
21	20-22	1007	Split Spoon	503	0			
22								
23						Pale yellowish brown (10 YR 6/2) fine-grained sand, subrounded grains, unconsolidated, dry.		
24								
25	25-27	1015	Split Spoon	793	0			
26						Pale yellowish brown (10 YR 6/2) fine-grained sand, subrounded grains, unconsolidated, dry. Moist (groundwater) at 31 ft bgs.		
27								
28								
29								
30	30-32	1022	Split Spoon	766	0	Boring terminated at 32 feet.		
31								
32								
33								
34								
35								
36								
37								
38								
39								
40								

Geologist:	Gil Van Deventer	RICE Operating Company	Borehole ID:
Driller:	Harrison & Cooper, Inc.		B-3
Drilling Method:	Air Rotary	Project Name:	
Start Date:	04/10/06	EME D-1 Junction Box Site	
End Date:	04/10/06	Location:	
Notes: Boring located 37 feet east of former junction box.		EME SWD System	
		unit 'D', Sec. 1, T20S, R36E	
		Lea County, NM	

Depth (feet)	Sample			Chloride (ppm)	OVM (ppm)	Color	USCS Symbol	Description: Color, Grain size, Sorting, rounding, Consolidation, Distinguishing Features
	Interval	Time	Type					
0							SW	Light brown (5 YR 6/4) sandy loam, dune sand, fine-grained, subrounded grains, unconsolidated, dry
1								
2								
3								
4								
5	5-7	1046	Split Spoon	219	0		SM/CAL	Very pale orange (10 YR 8/2) fine-grained sand, subrounded grains, unconsolidated, dry. Soft caliche in matrix.
6								
7								
8								
9								
10	10-12	1048	Split Spoon	832	0			Very pale orange (10 YR 8/2) fine-grained sand, subrounded grains, unconsolidated, dry. Soft caliche in matrix.
11								
12								Hard caliche layer at 13 feet
13								
14								
15	15-17	1052	Split Spoon	2015	0		CAL/SM	Very pale orange (10 YR 8/2) caliche (soft) with grayish-orange (10 YR 7/4) fine-grained sand, subrounded grains, unconsolidated, dry.
16								
17								
18								
19								
20	20-22	1055	Split Spoon	561	0			Grayish-orange (10 YR 7/4) fine-grained sand, subrounded grains, unconsolidated, dry.
21								
22								
23								
24								
25	25-27	1101	Split Spoon	494	0		SM	Grayish-orange (10 YR 7/4) fine-grained sand, subrounded grains, unconsolidated, dry.
26								
27								
28								
29								
30	30-32	1110	Split Spoon	482	0			Light brown (5 YR 6/4) fine-grained sand, subrounded grains, unconsolidated, dry.
31								Moist (groundwater) at 31 ft bgs.
32								Boring terminated at 32 feet.
33								
34								
35								
36								
37								
38								
39								
40								



Geologist:	Gil Van Deventer	RICE Operating Company	Borehole ID:
Driller:	Harrison & Cooper, Inc.		B-4
Drilling Method:	Air Rotary	Project Name:	
Start Date:	04/10/06	EME D-1 Junction Box Site	
End Date:	04/10/06	Location:	
Notes: Boring located 83 feet east of former junction box.	EME SWD System		
	unit 'D', Sec. 1, T20S, R36E		
	Lea County, NM		

Depth (feet)	Sample			Chloride (ppm)	OVM (ppm)	Color	USCS Symbol	Description: Color, Grain size, Sorting, rounding, Consolidation, Distinguishing Features
	Interval	Time	Type					
0						Light brown (5 YR 6/4)	SW	Light brown (5 YR 6/4) sandy loam, dune sand, fine-grained, subrounded grains, unconsolidated, dry
1								
2								
3								
4								
5	5-7	1134	Split Spoon	271	0	Very pale orange (10 YR 8/2)	SM/CAL	Very pale orange (10 YR 8/2) fine-grained sand, subrounded grains, unconsolidated, dry. Soft caliche in matrix.
6								
7								
8						Very pale orange (10 YR 8/2) caliche (soft) with grayish-orange (10 YR 7/4)	CAL/SM	Very pale orange (10 YR 8/2) fine-grained sand, subrounded grains, unconsolidated, dry. Soft caliche in matrix.
9								
10	10-12	1136	Split Spoon	973	0			
11								
12								
13						Grayish-orange (10 YR 7/4)	SM	Grayish-orange (10 YR 7/4) fine-grained sand, subrounded grains, unconsolidated, dry.
14								
15	15-17	1139	Split Spoon	769	0			
16								
17								
18						Light brown (5 YR 6/4)		Light brown (5 YR 6/4) fine-grained sand, subrounded grains, unconsolidated, dry.
19								
20	20-22	1145	Split Spoon	854	0			
21								
22								
23						Light brown (5 YR 6/4)		Light brown (5 YR 6/4) fine-grained sand, subrounded grains, unconsolidated, dry.
24								
25	25-27	1153	Split Spoon	623	0			
26								
27								
28						Light brown (5 YR 6/4)		Light brown (5 YR 6/4) fine-grained sand, subrounded grains, unconsolidated, dry.
29								
30	30-32	1200	Split Spoon	749	0			
31								Moist (groundwater) at 31 ft bgs.
32								Boring terminated at 32 feet.
33								
34								
35								
36								
37								
38								
39								
40								

Geologist:	Gil Van Deventer	RICE Operating Company	Borehole ID: B-5	
Driller:	Harrison & Cooper, Inc.			
Drilling Method:	Air Rotary			Project Name:
Start Date:	04/11/06			EME D-1 Junction Box Site
End Date:	04/11/06			Location:
<u>Notes:</u> Boring located 67 feet north of former junction box.		EME SWD System		
		unit 'D', Sec. 1, T20S, R36E		
		Lea County, NM		

Depth (feet)	Sample			Chloride (ppm)	OVM (ppm)	Color	USCS Symbol	Description: Color, Grain size, Sorting, rounding, Consolidation, Distinguishing Features
	Interval	Time	Type					
0							SW	Light brown (5 YR 6/4) sandy loam, dune sand, fine-grained, subrounded grains, unconsolidated, dry
1								
2								
3								
4								
5							CAL/SM	Very pale orange (10 YR 8/2) caliche (soft) with grayish-orange (10 YR 7/4) fine-grained sand, subrounded grains, unconsolidated, dry.
6	5-7	0825	Split Spoon	2817	0			
7								
8								
9								
10								
11	10-12	0828	Split Spoon	1226	0			
12								
13								
14								
15							SM/CAL	Light brown (5 YR 6/4) fine-grained sand with with some calcium carbonate in matrix, subrounded grains, unconsolidated, dry.
16	15-17	0830	Split Spoon	2849	0			
17								
18								
19								
20								
21	20-22	0834	Split Spoon	1193	0			
22							SM	Light brown (5 YR 6/4) fine-grained sand with some calcium carbonate in matrix, subrounded grains, unconsolidated, dry.
23								
24								
25								
26	25-27	0842	Split Spoon	2519	0			
27							SM	Grayish-orange (10 YR 7/4) fine-grained sand with some calcium carbonate in matrix, subrounded grains, unconsolidated, dry.
28								
29								
30								
31	30-32	0847	Split Spoon	1040	0			
32								Boring terminated at 32 feet.
33								
34								
35								
36								
37								
38								
39								
40								

Geologist:	Gil Van Deventer	RICE Operating Company	Borehole ID: B-6
Driller:	Harrison & Cooper, Inc.		
Drilling Method:	Air Rotary	Project Name:	
Start Date:	04/11/06	EME D-1 Junction Box Site	
End Date:	04/11/06	Location:	
Notes:	Boring located 111 feet northeast of former junction box.	EME SWD System unit 'D', Sec. 1, T20S, R36E Lea County, NM	

Depth (feet)	Sample			Chloride (ppm)	OVM (ppm)	Color	USCS Symbol	Description: Color, Grain size, Sorting, rounding, Consolidation, Distinguishing Features
	Interval	Time	Type					
0							SW	Light brown (5 YR 6/4) sandy loam, dune sand, fine-grained, subrounded grains, unconsolidated, dry
1								
2								
3								
4								
5	5-7	0914	Split Spoon	1332	0			Very pale orange (10 YR 8/2) caliche (soft) with grayish-orange (10 YR 7/4) fine-grained sand, subrounded grains, unconsolidated, dry.
6								
7								
8								
9								
10	10-12	0917	Split Spoon	1281	0		CAL/SM	Very pale orange (10 YR 8/2) caliche (soft) with grayish-orange (10 YR 7/4) fine-grained sand, subrounded grains, unconsolidated, dry.
11								
12								
13								
14								
15	15-17	0922	Split Spoon	986	0			Light brown (5 YR 6/4) fine-grained sand with with some calcium carbonate in matrix, subrounded grains, unconsolidated, dry.
16								
17								
18								
19								
20	20-22	0924	Split Spoon	940	0		SM/CAL	Light brown (5 YR 6/4) fine-grained sand with some calcium carbonate in matrix, subrounded grains, unconsolidated, dry.
21								
22								
23								
24								
25	25-27	0931	Split Spoon	424	0			Grayish-orange (10 YR 7/4) fine-grained sand with some calcium carbonate in matrix, subrounded grains, unconsolidated, dry.
26								
27								
28								
29							SM	
30	30-32	0935	Split Spoon	673	0			Light brown (5 YR 6/4) fine-grained sand, subrounded grains, unconsolidated, slightly moist.
31								
32								Boring terminated at 32 feet.
33								
34								
35								
36								
37								
38								
39								
40								

Geologist:	Gil Van Deventer	RICE Operating Company	Borehole ID: B-7	
Driller:	Harrison & Cooper, Inc.			
Drilling Method:	Air Rotary			Project Name:
Start Date:	04/11/06			EME D-1 Junction Box Site
End Date:	04/11/06			Location:
Notes: Boring located 43 feet northwest of former junction box and adjacent to north side of fence.		EME SWD System		
		unit 'D', Sec. 1, T20S, R36E		
		Lea County, NM		

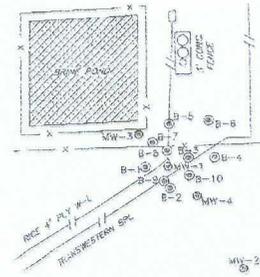
Depth (feet)	Sample			Chloride (ppm)	OVM (ppm)	Color	USCS Symbol	Description: Color, Grain size, Sorting, rounding, Consolidation, Distinguishing Features
	Interval	Time	Type					
0							SW	Light brown (5 YR 6/4) sandy loam, dune sand, fine-grained, subrounded grains, unconsolidated, dry
1								
2								
3								
4								
5	5-7	1316	Split Spoon	1333	0		SM/CAL	Pale yellowish brown (10 YR 6/2) fine-grained sand, subrounded grains, unconsolidated, dry. Soft caliche in matrix.
6								
7								
8							CAL/SM	Light brown (5YR 5/6 fine-grained sand, subrounded grains, unconsolidated, dry. Soft very pale orange caliche (10 YR 8/2) in matrix.
9								
10	10-12	1318	Split Spoon	1497	0			
11								
12								
13							SM	Very pale orange (10 YR 8/2) caliche (soft) with grayish-orange (10 YR 7/4) fine-grained sand, subrounded grains, unconsolidated, dry.
14								
15	15-17	1322	Split Spoon	863	0			
16								
17								
18							SM	Grayish-orange (10 YR 7/4) fine-grained sand, subrounded grains, unconsolidated, dry.
19								
20	20-22	1325	Split Spoon	884	0			
21								
22								
23							SM	Grayish-orange (10 YR 7/4) fine-grained sand, subrounded grains, unconsolidated, dry.
24								
25	25-27	1338	Split Spoon	874	0			
26								
27								
28							SM	Light brown (5 YR 6/4) fine-grained sand, subrounded grains, unconsolidated, dry. Moist (groundwater) at 31 ft bgs.
29								
30	30-32	1343	Split Spoon	659	0			
31								
32								
33								
34								
35								
36								
37								
38								
39								
40								

Geologist:	Gil Van Deventer	RICE Operating Company	Borehole ID:
Driller:	Harrison & Cooper, Inc.		B-8
Drilling Method:	Air Rotary	Project Name:	
Start Date:	04/11/06	EME D-1 Junction Box Site	
End Date:	04/11/06	Location:	
Notes: Boring located 16 feet north of former junction box and adjacent to south side of fence.		EME SWD System	
		unit 'D', Sec. 1, T20S, R36E	
		Lea County, NM	

Depth (feet)	Sample			Chloride (ppm)	OVM (ppm)	Color	USCS Symbol	Description: Color, Grain size, Sorting, rounding, Consolidation, Distinguishing Features
	Interval	Time	Type					
0								Light brown (5 YR 6/4) sandy loam, dune sand, fine-grained, subrounded grains, unconsolidated, dry
1							SW	
2								
3								
4								Very pale orange (10 YR 8/2) fine-grained sand, subrounded grains, unconsolidated, dry. Soft caliche in matrix.
5	5-7	1438	Split Spoon	966	0			
6							SM/CAL	
7								
8								Very pale orange (10 YR 8/2) fine-grained sand, subrounded grains, unconsolidated, dry. Soft caliche in matrix.
9								
10	10-12	1440	Split Spoon	1242	0			
11								
12								Very pale orange (10 YR 8/2) caliche (soft) with grayish-orange (10 YR 7/4) fine-grained sand, subrounded grains, unconsolidated, dry.
13								
14							CAL/SM	
15	15-17	1443	Split Spoon	2106	0			
16								Grayish-orange (10 YR 7/4) fine-grained sand, subrounded grains, unconsolidated, dry.
17								
18								
19								
20	20-22	1447	Split Spoon	4882	0			Light brown (5 YR 6/4) fine-grained sand, some cherty gravel, subrounded grains, unconsolidated, dry.
21								
22								
23								
24								Light brown (5 YR 6/4) fine-grained sand with some cherty gravel, subrounded grains, unconsolidated. Moist (groundwater) at 31 ft bgs.
25	25-27	1453	Split Spoon	2271	0		SM	
26								
27								
28								Boring terminated at 32 feet.
29								
30	30-32	1503	Split Spoon	940	0			
31								
32								
33								
34								
35								
36								
37								
38								
39								
40								

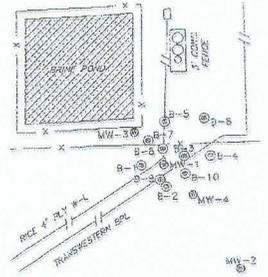
Geologist:	Gil Van Deventer	RICE Operating Company	Borehole ID: B-9	
Driller:	Harrison & Cooper, Inc.			
Drilling Method:	Air Rotary			Project Name:
Start Date:	04/11/06			EME D-1 Junction Box Site
End Date:	04/11/06			Location:
Notes: Boring located 41 feet south-southwest of former junction box. Just south of Transwestern (10" high pressure gas) pipeline.		EME SWD System		
		unit 'D', Sec. 1, T20S, R36E		
		Lea County, NM		

Depth (feet)	Sample			Chloride (ppm)	OVM (ppm)	Color	USCS Symbol	Description: Color, Grain size, Sorting, rounding, Consolidation, Distinguishing Features
	Interval	Time	Type					
0							SW	Light brown (5 YR 6/4) sandy loam, dune sand, fine-grained, subrounded grains, unconsolidated, dry
1								
2								
3								
4								
5	5-7	1525	Split Spoon	112	0		SM/CAL	Very pale orange (10 YR 8/2) fine-grained sand, subrounded grains, unconsolidated, dry. Soft caliche in matrix.
6								
7								
8								
9								
10	10-12	1527	Split Spoon	758	0		CAL/SM	Very pale orange (10 YR 8/2) fine-grained sand, subrounded grains, unconsolidated, dry. Soft caliche in matrix.
11								
12								
13								
14								
15	15-17	1530	Split Spoon	573	0		SM	Grayish-orange (10 YR 7/4) fine-grained sand, subrounded grains, unconsolidated, dry.
16								
17								
18								
19								
20	20-22	1534	Split Spoon		0		SM	Light brown (5 YR 6/4) fine-grained sand, some cherty gravel, subrounded grains, unconsolidated, dry.
21								
22								
23								
24								
25	25-27	1542	Split Spoon	511	0		SM	Light brown (5 YR 6/4) fine-grained sand with some cherty gravel, subrounded grains, unconsolidated. Moist (groundwater) at 31 ft bgs.
26								
27								
28								
29								
30	30-32	1549	Split Spoon	629	0		SM	Light brown (5 YR 6/4) fine-grained sand with some cherty gravel, subrounded grains, unconsolidated. Moist (groundwater) at 31 ft bgs.
31								
32								
33								
34								
35								
36								
37								
38								
39								
40								



Geologist:	Gil Van Deventer	RICE Operating Company	Borehole ID:
Driller:	Harrison & Cooper, Inc.		B-10
Drilling Method:	Air Rotary	Project Name:	
Start Date:	04/11/06	EME D-1 Junction Box Site	
End Date:	04/11/06	Location:	
Notes:	Boring located 48 feet southeast of former junction box. south of Transwestern (10" high pressure gas) pipeline.	Just	
		EME SWD System	
		unit 'D', Sec. 1, T20S, R36E	
		Lea County, NM	

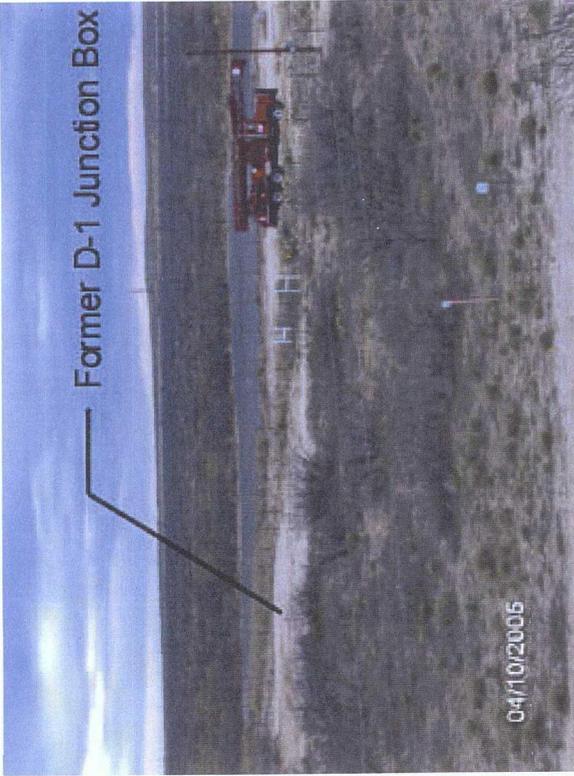
Depth (feet)	Sample			Chloride (ppm)	OVM (ppm)	Color	USCS Symbol	Description: Color, Grain size, Sorting, rounding, Consolidation, Distinguishing Features
	Interval	Time	Type					
0							SW	Light brown (5 YR 6/4) sandy loam, dune sand, fine-grained, subrounded grains, unconsolidated, dry
1								
2								
3								
4								
5	5-7	1438	Split Spoon	966	0		SM/CAL	Very pale orange (10 YR 8/2) fine-grained sand, subrounded grains, unconsolidated, dry. Soft caliche in matrix.
6								
7								
8								
9								
10	10-12	1440	Split Spoon	1242	0			Very pale orange (10 YR 8/2) fine-grained sand, subrounded grains, unconsolidated, dry. Soft caliche in matrix.
11								
12								
13								
14								
15	15-17	1443	Split Spoon	2106	0		CAL/SM	Very pale orange (10 YR 8/2) caliche (soft) with grayish-orange (10 YR 7/4) fine-grained sand, subrounded grains, unconsolidated, dry.
16								
17								
18								
19								
20	20-22	1447	Split Spoon	4882	0			Grayish-orange (10 YR 7/4) fine-grained sand, subrounded grains, unconsolidated, dry.
21								
22								
23								
24								
25	25-27	1453	Split Spoon	2271	0		SM	Light brown (5 YR 6/4) fine-grained sand, some cherty gravel, subrounded grains, unconsolidated, dry.
26								
27								
28								
29								
30	30-32	1503	Split Spoon	940	0			Light brown (5 YR 6/4) fine-grained sand with some cherty gravel, subrounded grains, unconsolidated.
31								Moist (groundwater) at 31 ft bgs.
32								Boring terminated at 32 feet.
33								
34								
35								
36								
37								
38								
39								
40								



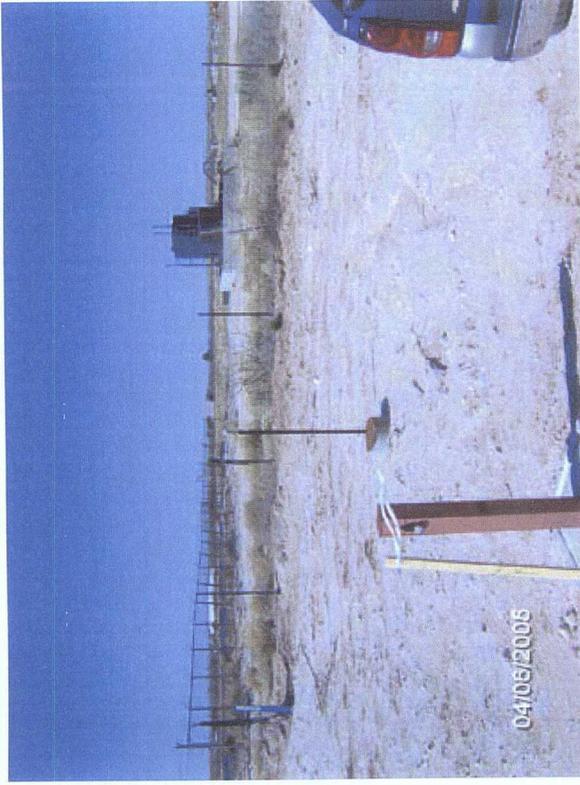
APPENDIX B

PHOTODOCUMENTATION

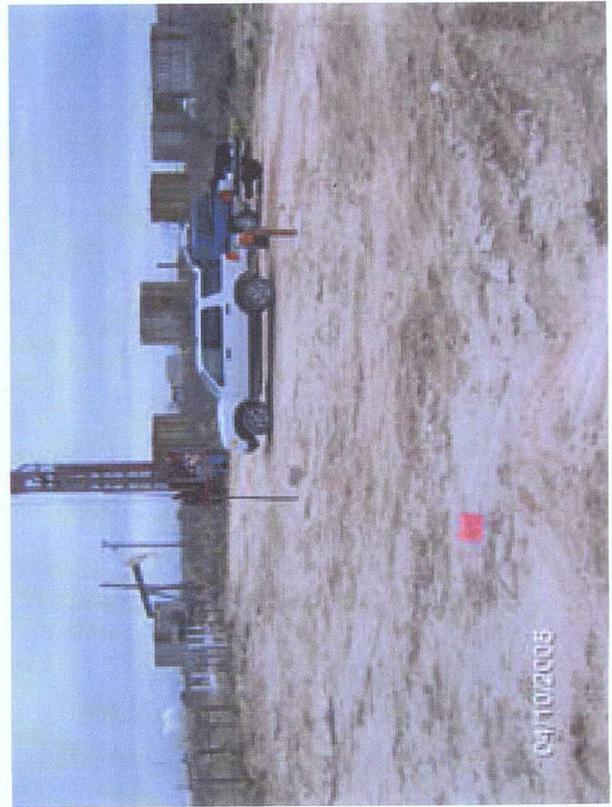
EME Jct. D-1 Site (AP-67)



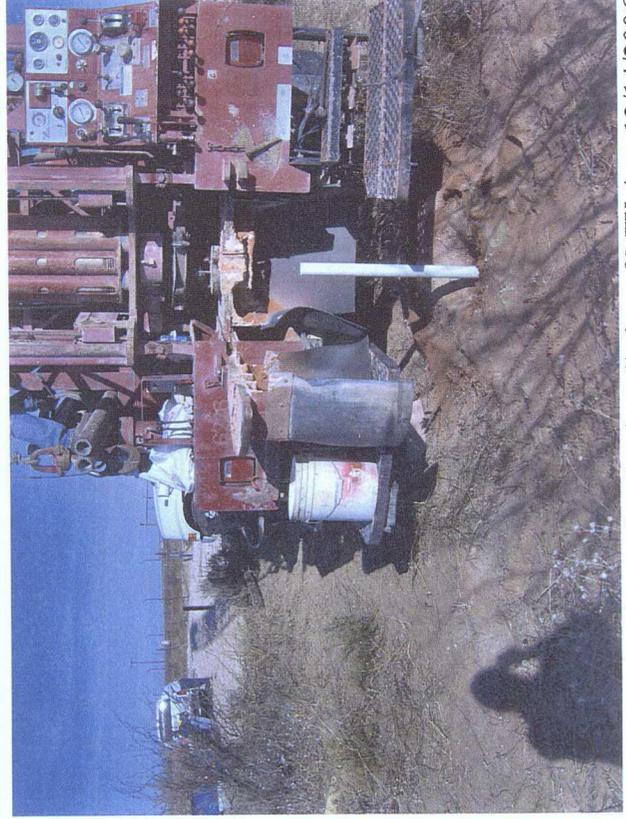
View facing WNW showing Jct. D-1 site (left-center) with Monument Gas Plant brine pond in background (04/10/2006).



View facing north showing MW-1 (foreground) and plate marking location of former junction box (center) on 04/06/2006.



View facing east showing soil boring activities at B-4 (background) located ~83 ft east of former junction box on 04/10/2006.



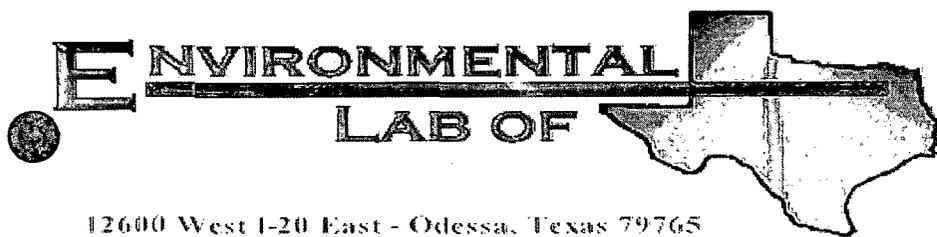
View facing northwest showing installation of MW-4 on 12/14/2006.

APPENDIX C

LABORATORY ANALYTICAL REPORTS

AND

CHAIN OF CUSTODY DOCUMENTATION



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Kristin Farris
Rice Operating Co.
122 W. Taylor
Hobbs, NM 88240

Project: EME System D-1 Junction Box Site

Project Number: EME D-1

Location: T20S, R36E, Sec 1, Unit Letter D

Lab Order Number: 6D14016

Report Date: 04/21/06

Rice Operating Co.
122 W. Taylor
Hobbs NM, 88240

Project: EME System D-1 Junction Box Site
Project Number: EME D-1
Project Manager: Kristin Farris

Fax: (505) 397-1471

Reported:
04/21/06 12:05

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B-3 (15')	6D14016-01	Soil	04/10/06 10:52	04/14/06 11:45
MW-2 (10')	6D14016-02	Soil	04/10/06 14:00	04/14/06 11:45
MW-3 (5')	6D14016-03	Soil	04/10/06 16:05	04/14/06 11:45
MW-3 (20')	6D14016-04	Soil	04/10/06 16:15	04/14/06 11:45

Rice Operating Co.
122 W. Taylor
Hobbs NM, 88240

Project: EME System D-1 Junction Box Site
Project Number: EME D-1
Project Manager: Kristin Farris

Fax: (505) 397-1471

Reported:
04/21/06 12:05

General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-3 (15') (6D14016-01) Soil									
Chloride	1930	25.0	mg/kg	50	ED62005	04/18/06	04/18/06	EPA 300.0	
MW-2 (10') (6D14016-02) Soil									
Chloride	899	10.0	mg/kg	20	ED62005	04/18/06	04/18/06	EPA 300.0	
MW-3 (5') (6D14016-03) Soil									
Chloride	7750	100	mg/kg	200	ED62005	04/18/06	04/18/06	EPA 300.0	
MW-3 (20') (6D14016-04) Soil									
Chloride	6130	100	mg/kg	200	ED62005	04/18/06	04/18/06	EPA 300.0	

Rice Operating Co.
 122 W. Taylor
 Hobbs NM, 88240

Project: EME System D-1 Junction Box Site
 Project Number: EME D-1
 Project Manager: Kristin Farris

Fax: (505) 397-1471

Reported:
 04/21/06 12:05

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch ED62005 - Water Extraction										
Blank (ED62005-BLK1)										
Chloride	ND	0.500	mg/kg							Prepared & Analyzed: 04/18/06
LCS (ED62005-BS1)										
Chloride	9.08		mg/L	10.0		90.8	80-120			Prepared & Analyzed: 04/18/06
Calibration Check (ED62005-CCV1)										
Chloride	8.90		mg/L	10.0		89.0	80-120			Prepared & Analyzed: 04/18/06
Duplicate (ED62005-DUP1)										
Chloride	1960	25.0	mg/kg		1930			1.54	20	Source: 6D14016-01 Prepared & Analyzed: 04/18/06

Rice Operating Co.
122 W. Taylor
Hobbs NM, 88240

Project: EME System D-1 Junction Box Site
Project Number: EME D-1
Project Manager: Kristin Farris

Fax (505) 397-1471

Reported:
04/21/06 12:05

Notes and Definitions

DEF Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference
LCS Laboratory Control Spike
MS Matrix Spike
Dup Duplicate

Report Approved By:

Raland K. Tuttle

Date: 4/21/2006

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer

Jeanne Mc Murrey, Inorg. Tech Director
LaTasha Cornish, Chemist
Sandra Sanchez, Lab Tech.

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-563-1800.

Environmental Lab of Texas
Variance / Corrective Action Report – Sample Log-In

Client: Rice Operating
 Date/Time: 4/14/06 11:45
 Order #: 6D14016
 Initials: CDK

Sample Receipt Checklist

Temperature of container/cooler?	<input checked="" type="radio"/> Yes	No	30 C
Shipping container/cooler in good condition?	<input checked="" type="radio"/> Yes	No	
Custody Seals intact on shipping container/cooler?	Yes	No	<u>Not present</u>
Custody Seals intact on sample bottles?	<input checked="" type="radio"/> Yes	No	Not present
Chain of custody present?	<input checked="" type="radio"/> Yes	No	
Sample Instructions complete on Chain of Custody?	<input checked="" type="radio"/> Yes	No	
Chain of Custody signed when relinquished and received?	<input checked="" type="radio"/> Yes	No	
Chain of custody agrees with sample label(s)	<input checked="" type="radio"/> Yes	No	
Container labels legible and intact?	<input checked="" type="radio"/> Yes	No	
Sample Matrix and properties same as on chain of custody?	<input checked="" type="radio"/> Yes	No	
Samples in proper container/bottle?	<input checked="" type="radio"/> Yes	No	
Samples properly preserved?	<input checked="" type="radio"/> Yes	No	
Sample bottles intact?	<input checked="" type="radio"/> Yes	No	
Preservations documented on Chain of Custody?	<input checked="" type="radio"/> Yes	No	
Containers documented on Chain of Custody?	<input checked="" type="radio"/> Yes	No	
Sufficient sample amount for indicated test?	<input checked="" type="radio"/> Yes	No	
Samples received within sufficient hold time?	<input checked="" type="radio"/> Yes	No	
VOC samples have zero headspace?	Yes	No	<u>Not Applicable</u>

Other observations:

Variance Documentation:

Contact Person: - _____ Date/Time: _____ Contacted by: _____
 Regarding: _____

Corrective Action Taken:



ARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
RICE OPERATING COMPANY
ATTN: KRISTIN FARRIS-POPE
122 W. TAYLOR STREET
HOBBS, NM 88240
FAX TO: (505) 397-1471

Receiving Date: 08/21/07
Reporting Date: 08/27/07
Project Number: NOT GIVEN
Project Name: EME JUNCTION D-1 LEAK
Project Location: T20S-R36E-SEC1 D ~ LEA COUNTY - NEW MEXICO

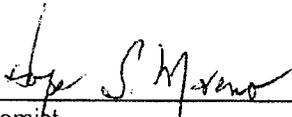
Sampling Date: 08/20/07
Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: HM/KS

LAB NUMBER	SAMPLE ID	Na (mg/L)	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Conductivity (μ S/cm)	T-Alkalinity (mgCaCO ₃ /L)
ANALYSIS DATE:		08/21/07	08/23/07	08/23/07	08/23/07	08/22/07	08/23/07
H13142-1	MONITOR WELL #1	9,570	592	331	145	40100	408
H13142-2	MONITOR WELL #2	7,400	446	383	98.5	31300	388
H13142-3	MONITOR WELL #3	9,633	605	286	150	39300	420
H13142-4	MONITOR WELL #4	10,114	579	270	105	40300	416
Quality Control		NR	51.9	49.2	1.94	1423	NR
True Value QC		NR	50.0	50.0	2.00	1413	NR
% Recovery		NR	104	98.4	97.0	101	NR
Relative Percent Difference		NR	8.0	6.3	2.1	0.3	NR

METHODS:	SM3500-Ca-D	3500-Mg E	8049	120.1	310.1
----------	-------------	-----------	------	-------	-------

LAB NUMBER	SAMPLE ID	Cl ⁻ (mg/L)	SO ₄ (mg/L)	CO ₃ (mg/L)	HCO ₃ (mg/L)	pH (s.u.)	TDS (mg/L)
ANALYSIS DATE:		08/22/07	08/22/07	08/23/07	08/23/07	08/22/07	08/22/07
H13142-1	MONITOR WELL #1	13,096	4,780	0	498	6.89	29,024
H13142-2	MONITOR WELL #2	8,997	5,610	0	473	7.11	22,820
H13142-3	MONITOR WELL #3	12,696	5,300	0	512	6.92	28,292
H13142-4	MONITOR WELL #4	13,196	5,450	0	508	6.98	28,968
Quality Control		500	25.6	NR	939	6.95	NR
True Value QC		500	25.0	NR	1000	7.00	NR
% Recovery		100	103	NR	93.9	99.3	NR
Relative Percent Difference		< 0.1	1.0	NR	1.4	< 0.1	NR

METHODS:	SM4500-Cl-B	375.4	310.1	310.1	150.1	160.1
----------	-------------	-------	-------	-------	-------	-------



Chemist

08-27-07

Date



ARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

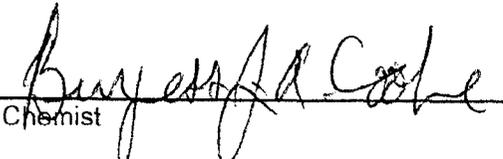
ANALYTICAL RESULTS FOR
RICE OPERATING CO.
ATTN: KRISTIN FARRIS-POPE
122 W. TAYLOR
HOBBS, NM 88240
FAX TO: (505) 397-1471

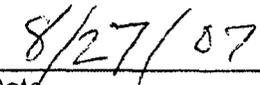
Receiving Date: 08/21/07
Reporting Date: 08/23/07
Project Number: NOT GIVEN
Project Name: EME JUNCTION D-1 LEAK
Project Location: T20S-R36E-SEC1 D ~ LEA COUNTY, NM

Sampling Date: 08/20/07
Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

LAB NUMBER	SAMPLE ID	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL BENZENE (mg/L)	TOTAL XYLENES (mg/L)
ANALYSIS DATE		08/22/07	08/22/07	08/22/07	08/22/07
H13142-1	MONITOR WELL #1	<0.002	<0.002	<0.002	<0.006
H13142-2	MONITOR WELL #2	<0.002	<0.002	<0.002	<0.006
H13142-3	MONITOR WELL #3	<0.002	<0.002	<0.002	<0.006
H13142-4	MONITOR WELL #4	<0.002	<0.002	<0.002	<0.006
Quality Control		0.093	0.091	0.093	0.264
True Value QC		0.100	0.100	0.100	0.300
% Recovery		92.8	91.2	93.4	88.0
Relative Percent Difference		2.8	2.6	1.6	1.2

METHOD: EPA SW-846 8260


Chemist


Date

APPENDIX D

WATER WELL INVENTORY



COLOR KEY: Blue = State well number of water well identified from NM State Engineer Office website (location approximate)
 Green = EME Jct. D-1 site location

New Mexico Office of the State Engineer
 POD Reports and Downloads

Township: 20S Range: 36E Sections: 1.2
 NAD27 X: [] Y: [] Zone: [] Search Radius: []
 County: LE Basin: [] Number: [] Suffix: []
 Owner Name: (First) [] (Last) []
 Non-Domestic Domestic All

POD / Surface Data Report Avg Depth to Water Report: [] Water Column Report
 Clear Form IWATERS Menu Help

POD / SURFACE DATA REPORT 11/24/2007

DB File Nbr	Use	(acre ft per annum)	Diversion	Owner	POD Number	Source	Tws	Rng	Sec	q	q	q	q	X	Y	UTM_Zone	Eastings	Northing	St	Dt
L_03188	PRO	3	AMERADA	PETROLEUM CORPORATION	L_03188	Shallow	20S	36E	01	4	1	2	2			13	659096	3608358	05	
L_03814	ECM	3	W. C.	BYRD	L_03814	Shallow	20S	36E	01	4	1	2	2			13	659488	3609171	09	
L_04736	DCM	3	CLIMAX	CHEMICAL COMPANY	L_04736	Shallow	20S	36E	02	1	1	1	1			13	656568	3609023	10	
					L_04736	Shallow	20S	36E	02	1	1	1	1			13	656568	3609023	10	

Record Count: 6

New Mexico Office of the State Engineer
 POD Reports and Downloads

Township: 19S Range: 36E Sections: 35,36

NAD27 X: [] Y: [] Zone: [] Search Radius: []

County: [LE] Basin: [] Number: [] Suffix: []

Owner Name: (First) [] (Last) [] Non-Domestic Domestic All

POD / Surface Data Report
 Avg Depth to Water Report
 Water Column Report

Clear Form iWATERS Menu Help

POD / SURFACE DATA REPORT 11/24/2007

DB File Nbr	Use	Diversion	Owner	POD Number	Source	Tws	Rng	Sec	q	q	q	X	Y	UTM Zone	Easting	Northing
L 01270	MUL	0	GULF OIL CORPORATION	L 01270		19S	36E	36	4	4	2			13	659483	3609574
L 03921	STK	3	T. E. MUSICK	L 03921	Shallow	19S	36E	35	3	4				13	656965	3609435
L 04715	DOM	3	CLIMAX CHEMICAL COMPANY	L 04715	Shallow	19S	36E	35	3	4				13	656965	3609435
L 04716	DOM	3	CLIMAX CHEMICAL COMPANY	L 04715	EXP	19S	36E	35	4	3				13	657369	3609442
L 04755	EXP	0	CLIMAX CHEMICAL COMPANY	L 04716	EXP	19S	36E	36	3					13	658376	3609442
L 04756	EXP	3	CLIMAX CHEMICAL COMPANY	L 04716	EXP	19S	36E	36	3					13	658376	3609442
				L 04755	EXPL	19S	36E	35	4	4				13	657772	3609448
				L 04756	EXPL	19S	36E	35	2					13	657557	3610449

Record Count: 9

**New Mexico Office of the State Engineer
POD Reports and Downloads**

Township: Range: Sections:

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) Non-Domestic Domestic All

POD / Surface Data Report Avg Depth to Water Report Water Column Report

WATER COLUMN REPORT 11/24/2007

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are biggest to smallest)

POD Number	Tws	Rng	Sec	q	q	q	Zone	X	Y	Depth Well	Depth Water	Water (in feet) Column
L 03814	20S	36E	01	2	2	2				60	40	20
L 03814 APPRO	20S	36E	01	2	2	2				60	40	20
L 03815 APPRO EXP	20S	36E	01	2	2	2				60	40	20
L 03188 APPRO	20S	36E	01	4	1	2						
L 04736 APPRO	20S	36E	02	1	1					92	92	
L 04736	20S	36E	02	1	1					92	92	

Record Count: 6

**New Mexico Office of the State Engineer
POD Reports and Downloads**

Township: Range: Sections:

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) Non-Domestic Domestic All

WATER COLUMN REPORT 11/24/2007

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are biggest to smallest)

POD Number	Tws	Rng	Sec	q	q	q	Zone	X	Y	Depth Well	Depth Water	Water (in feet) Column
<u>L 04756 EXPL</u>	19S	36E	35	2						250	70	180
<u>L 03921 APPRO</u>	19S	36E	35	3	4					75	50	25
<u>L 03921</u>	19S	36E	35	3	4					75	50	25

Record Count: 3

New Mexico Office of the State Engineer
Transaction Summary

[Back](#)

72121 All Applications Under Statute 72-12-1

Trn_nbr: 204123

Trn_desc: L 03188

File Date: 04/12/1956

Primary status: PMT Permit
 Secondary status: APR Approved
 Person assigned: *****
 Applicant: AMERADA PETROLEUM CORPORATION

Events

Date	Type	Description	Comment	Processed By
04/12/1956	APP	Application Received	*	*****
05/10/1956	FIN	Final Action on application		*****
05/10/1956	WAP	General Approval Letter		*****

DB_File_Nbr	Acres	Diversion	Consumptive	Purpose of Use
L 03188	0	3	0	PRO 72-12-1 PROSPECTING OR DEVELOPMENT OF NATURAL RESOURC

Point of Diversion

L 03188 20S 36E 01 SE NW NE in Lea County

Remarks

ET FILED 4/11/57 PLUGGING RECORD DUE ON OR BEFORE 4/30/58.
 ET FILED 3/19/58 PLUGGING RECORD DUE ON OR BEFORE 3/31/59.
 ET FILED 3/26/59 PLUGGING RECORD DUE ON OR BEFORE 3/31/60.
 ET FILED 3/21/60 PLUGGING RECORD DUE ON OR BEFORE 4/30/61.
 ET FILED 3/20/61 PLUGGING RECORD DUE ON OR BEFORE 4/30/62.
 THIS IS AN OLD WATER WELL COMPLETED IN NOV., 1951. WE HAVE A
 LOCATION IN THIS IMMEDIATE AREA & REQUEST PERMISSION TO REENTER
 THIS WATER WELL FOR DRILLING PURPOSES ONLY.

Conditions

- A :The maximum amount of water that may be appropriated under this permit is 3 acre-feet in any year.
- D :The casing shall not exceed 7 inches outside diameter except under specific conditions in which reasons satisfactory to the State Engineer are shown.
- 6A :The oil well is to be plugged upon completion of the oil well drilling operations.

Action of the State Engineer

PLUGGING RECORD DUE ON OR BEFORE 4/30/57

Approval Code: A Approved
 Action Date: 05/10/1956
 State Engineer:
 By:

**New Mexico Office of the State Engineer
Transaction Summary**

[Back](#)

72121 All Applications Under Statute 72-12-1

Trn_nbr: 205030

Trn_desc: L 03814

File Date: 03/14/1958

Primary status: PMT Permit
 Secondary status: LOG Well Log Received
 Person assigned: *****
 Applicant: W. C. BYRD

Events

Date	Type	Description	Comment	Processed By
03/14/1958	APP	Application Received	*	*****
04/02/1958	FIN	Final Action on application		*****
04/02/1958	WAP	General Approval Letter		*****
09/15/1958	LOG	Well Log Received	*	*****

DB_File_Nbr	Acres	Diversion	Consumptive	Purpose of Use
L 03814	0	3	0	DOM 72-12-1 DOMESTIC ONE HOUSEHOLD

Point of Diversion

L 03814 20S 36E 01 NE NE NE in Lea County

Remarks

WELL ALSO USED FOR LIVESTOCK WATERING

Conditions

- A :The maximum amount of water that may be appropriated under this permit is 3 acre-feet in any year.
- B :The well shall be drilled by a driller licensed in the State of New Mexico in accordance with Section 72-12-12 New Mexico Statutes Annotated. A licensed driller shall not be required for the construction of a driven well; provided, that the casing shall not exceed two and three-eighths (2 3/8) inches outside diameter (Section 72-12-12).
- D :The casing shall not exceed 7 inches outside diameter except under specific conditions in which reasons satisfactory to the State Engineer are shown.
- 4 :Use shall be limited to household, non-commercial trees, lawn and garden not to exceed one acre and/or stock use.

Action of the State Engineer

Approval Code: A Approved
 Action Date: 04/02/1958
 log due date: 04/02/1959
 State Engineer:
 By:

**New Mexico Office of the State Engineer
Transaction Summary**

[Back](#)

72121 All Applications Under Statute 72-12-1

Trn_nbr: 206246

Trn_desc: L 04736

File Date: 10/13/1961

Primary status: PMT Permit
 Secondary status: LOG Well Log Received
 Person assigned: *****
 Applicant: CLIMAX CHEMICAL COMPANY

Events

Date	Type	Description	Comment	Processed By
10/13/1961	APP	Application Received	*	*****
10/17/1961	FIN	Final Action on application		*****
10/17/1961	WAP	General Approval Letter		*****
11/01/1961	LOG	Well Log Received	*	*****

DB_File_Nbr	Acres	Diversion	Consumptive	Purpose of Use
L 04736	0	3	0	DOM 72-12-1 DOMESTIC ONE HOUSEHOLD

Point of Diversion

L 04736 20S 36E 02 NW NW in Lea County

Remarks

THE ABOVE WATER WILL BE USED BY APPLICANT IN CONNECTION WITH THE USE OF ITS CHEMICAL PLANT TO BE CONSTRUCTED UPON THE PREMISES FOR USE BY EMPLOYEES. THE WATER TO BE USED FOR SANITARY AND OFFICE PURPOSES AND NOT TO BE USED FOR THE ACTUAL FUNCTION OF THE PLANT. IN THIS CONNECTION APPLICANT INTENDS TO WITHDRAW APPLICATION L-4715 BY REASON OF THE FACT THAT WATER WAS UNOBTAINABLE IN SAID LOCATION.

Conditions

- 4 :Use shall be limited to household, non-commercial trees, lawn and garden not to exceed one acre and/or stock use.
- D :The casing shall not exceed 7 inches outside diameter except under specific conditions in which reasons satisfactory to the State Engineer are shown.
- 1B :Depth of the well shall not exceed the thickness of the Ogallala formation.
- 3 :Appropriation and use of water under this permit shall not exceed a period of one year from the date of approval.

Action of the State Engineer

Approval Code: A Approved
 Action Date: 10/17/1961
 log due date: 10/17/1962
 State Engineer:
 By:

**New Mexico Office of the State Engineer
Transaction Summary**

[Back](#)

72121 All Applications Under Statute 72-12-1

Trn_nbr: 200456

Trn_desc: L 01270

File Date: 10/01/1951

Primary status: CAN Cancelled Permit
 Secondary status: FIN Finalized
 Person assigned: *****
 Applicant: GULF OIL CORPORATION

Events

Date	Type	Description	Comment	Processed By
10/01/1951	APP	Application Received	*	*****
05/10/1953	FIN	Final Action on application		*****
05/10/1953	WAP	General Approval Letter		*****
05/13/1953	FCN	Finalize Cancel of permit		*****

DB_File_Nbr	Acres	Diversion	Consumptive	Purpose of Use
L 01270	0	3	0	MUL 72-12-1 MULTIPLE DOMESTIC HOUSEHOLDS

Point of Diversion

L 01270 19S 36E 36 SE SE NE in Lea County

Remarks

EXISTING WELL ORIGINALLY DRILLED FOR DEVELOPMENT OF LEASE. WATER NOW USED FOR DOMESTIC PURPOSES SERVING COMPANY HOUSES LOCATED ON THE LEASE. PCW RECEIVED 12/02/52

Conditions

- A :The maximum amount of water that may be appropriated under this permit is 3 acre-feet in any year.
- D :The casing shall not exceed 7 inches outside diameter except under specific conditions in which reasons satisfactory to the State Engineer are shown.
- 6 :The well shall be plugged upon completion of the permitted use, and a plugging report shall be filed with the State Engineer within 10 days.

Action of the State Engineer

Approval Code: A Approved
 Action Date: 05/10/1953
 State Engineer:
 By:

New Mexico Office of the State Engineer
Transaction Summary

Back

72121 All Applications Under Statute 72-12-1

Trn_nbr: 205239

Trn_desc:L 03921

File Date:07/11/1958

Primary status: PMT Permit
 Secondary status: LOG Well Log Received
 Person assigned: *****
 Applicant: T. E. MUSICK

Events

Date	Type	Description	Comment	Processed By
07/11/1958	APP	Application Received	*	*****
07/11/1958	FIN	Final Action on application		*****
07/11/1958	WAP	General Approval Letter		*****
07/25/1958	LOG	Well Log Received	*	*****

DB_File_Nbr	Acres	Diversion	Consumptive	Purpose of Use
L 03921	0	3	0	STR 72-12-1 LIVESTOCK WATERING

Point of Diversion
 L 03921 19S 36E 35 SW SE in Lea County

Conditions

- 4 :Use shall be limited to household, non-commercial trees, lawn and garden not to exceed one acre and/or stock use.
- 1A :Depth of the well shall not exceed the thickness of the valley fill.
- 1B :Depth of the well shall not exceed the thickness of the Ogallala formation.
- D :The casing shall not exceed 7 inches outside diameter except under specific conditions in which reasons satisfactory to the State Engineer are shown.
- 3 :Appropriation and use of water under this permit shall not exceed a period of one year from the date of approval.

Action of the State Engineer

Approval Code: A Approved
 Action Date: 07/11/1958
 log due date: 07/30/1959
 State Engineer:
 By:

**New Mexico Office of the State Engineer
Transaction Summary**

[Back](#)

72121 All Applications Under Statute 72-12-1

Trn_nbr: 206194

Trn_desc:L 04715

File Date:09/06/1961

Primary status: PMT Permit
 Secondary status: APR Approved
 Person assigned: *****
 Applicant: CLIMAX CHEMICAL COMPANY

Events

Date	Type	Description	Comment	Processed By
09/06/1961	APP	Application Received	*	*****
09/07/1961	FIN	Final Action on application		*****
09/07/1961	WAP	General Approval Letter		*****

DB_File_Nbr	Acres	Diversion	Consumptive	Purpose of Use
L 04715	0	3	0	DOM 72-12-1 DOMESTIC ONE HOUSEHOLD

Point of Diversion

L 04715 19S 36E 35 SE SW in Lea County

Remarks

THE ABOVE WATER WILL BE USED BY THE APPLICANT FOR PURPOSES IN CONNECTION WITH THE USE OF ITS PLANT TO BE CONSTRUCTED UPON THE PERMISES FOR USE BY EMPLOYEES. THE PROPOSED WELL IS TO BE USED FOR SANITARY AND OFFICE PURPOSES AND NOT TO BE USED WITH THE ACTUAL FUNCTION OF THE PLANT.

Conditions

- 4 :Use shall be limited to household, non-commercial trees, lawn and garden not to exceed one acre and/or stock use.
- 1B :Depth of the well shall not exceed the thickness of the Ogallala formation.
- D :The casing shall not exceed 7 inches outside diameter except under specific conditions in which reasons satisfactory to the State Engineer are shown.
- 3 :Appropriation and use of water under this permit shall not exceed a period of one year from the date of approval.

Action of the State Engineer

Approval Code: A Approved
 Action Date: 09/07/1961
 log due date: 09/30/1962
 State Engineer:
 By:

**New Mexico Office of the State Engineer
Transaction Summary**

[Back](#)

72121 All Applications Under Statute 72-12-1

Trn_nbr: 206197

Trn_desc: L 04716

File Date: 09/06/1961

Primary status: PMT Permit
 Secondary status: APR Approved
 Person assigned: *****
 Applicant: CLIMAX CHEMICAL COMPANY

Events

Date	Type	Description	Comment	Processed By
09/06/1961	APP	Application Received	*	*****
09/07/1961	FIN	Final Action on application		*****
09/07/1961	WAP	General Approval Letter		*****

DB_File_Nbr	Acres	Diversion	Consumptive	Purpose of Use
L 04716	0	3	0	DOM 72-12-1 DOMESTIC ONE HOUSEHOLD

Point of Diversion

L 04716 19S 36E 36 SW in Lea County

Remarks

APPLICANT WILL RECEIVE FROM THE STATE OF NM, A BUSINESS LEASE UPON THE ABOVE DESCRIBED PROPERTY WITH PERMISSION TO PLACE THEREON ITS OFFICE BUILDING AND WATER TO BE APPLIED FOR DOMESTIC PURPOSES AROUND THE OFFICE SITE.

Conditions

- 4 :Use shall be limited to household, non-commercial trees, lawn and garden not to exceed one acre and/or stock use.
- D :The casing shall not exceed 7 inches outside diameter except under specific conditions in which reasons satisfactory to the State Engineer are shown.
- 1B :Depth of the well shall not exceed the thickness of the Ogallala formation.
- 3 :Appropriation and use of water under this permit shall not exceed a period of one year from the date of approval.

Action of the State Engineer

Approval Code: A Approved
 Action Date: 09/07/1961
 log due date: 09/30/1962
 State Engineer:
 By: