

AP - 27

**GENERAL  
CORRESPONDENCE**

**YEAR(S):**  
2001

**Hansen, Edward J., EMNRD**

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**From:** Price, Wayne, EMNRD  
**Sent:** Monday, March 12, 2007 12:55 PM  
**To:** Hansen, Edward J., EMNRD  
**Subject:** FW: Rice BD E-15 Extension Request

AP-27

Please put a copy of this in the file

Wayne Price-Senior Environmental Engr.  
Oil Conservation Division  
1220 S. Saint Francis  
Santa Fe, NM 87505  
E-mail [wayne.price@state.nm.us](mailto:wayne.price@state.nm.us)  
Tele: 505-476-3487  
Fax: 505-4763462

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**From:** Price, Wayne, EMNRD  
**Sent:** Wed 3/7/2007 3:10 PM  
**To:** Mike Griffin  
**Cc:** [chaynes@riceswd.com](mailto:chaynes@riceswd.com)  
**Subject:** RE: Rice BD E-15 Extension Request

Approved!

Wayne Price  
Environmental Bureau Chief  
Oil Conservation Division  
1220 S. Saint Francis  
Santa Fe, NM 87505  
505-476-3490  
Fax: 505-476-3462

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**From:** Mike Griffin [<mailto:whearth@msn.com>]  
**Sent:** Tuesday, March 06, 2007 10:32 AM  
**To:** Price, Wayne, EMNRD  
**Cc:** [chaynes@riceswd.com](mailto:chaynes@riceswd.com)  
**Subject:** Rice BD E-15 Extension Request

Good Morning, Wayne:

I spoke to Carolyn immediately after talking to you this morning & discovered that the bass tournament in Del Rio extends all week. Both Scott & Irvin are still down there drowning worms.

It is my and Carolyn's understanding that an agreement in principal has been reached & we're merely awaiting the attorneys to make it official. It is further our understanding that Irvin was to call you to confirm this.

Mr. Boyt wants to use the water produced from our R.O. system. It is my understanding that under the "beneficial use" provisions of the regulations, no discharge permit will be required. Could you confirm this belief? We will of course be undertaking periodic analyses of the water to insure that we fall below the 250 ppm chloride thresholds and will provide

3/12/2007

your agency with the actual analytical findings on our normal quarterly basis.

Though we certainly hope that we will not need it, we request a thirty day extension to the March 21st deadline for installation of the second recovery unit. The equipment has been purchased, dry fitted and is presently all staged in Hobbs. It will take no more than 48-72 hours from our notification of the formal agreement for us to complete the installation.

Thank you in advance...

Mike Griffin

Whole Earth Environmental, Inc.

Phone: 281.394.2050

FAX: 281.394.2051

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This inbound email has been scanned by the MessageLabs Email Security System.

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**Hansen, Edward J., EMNRD**

**From:** Kristin Pope [kpope@riceswd.com]  
**Sent:** Monday, November 20, 2006 10:44 AM  
**To:** Hansen, Edward J., EMNRD  
**Cc:** Johnson, Larry, EMNRD; Carolyn Haynes; Mike Griffin; glenn.von.gonten@state.nm.us  
**Subject:** Re: AP-27 BD E-15  
**Attachments:** ROC work schedule

Mr. Hansen,

Please find the attached email notification to OCD of the work performed at the BD E-15 site on Nov. 1. This is our standard notification format and the OCD recipients listed on this email are those that are notified weekly of our work schedule. For the district 1 office, I include Patricia Caperton and Larry Johnson. Please let me know if another format would better suit OCD's needs or if I need to add any more recipients to the list.

ROC will provide copopies the letters and emails you listed below to the District 1 office.  
 Thank you for your attention to this project.

Kristin Farris Pope  
 Project Scientist  
 RICE Operating Company  
 Hobbs, New Mexico  
 (505) 393-9174

**From:** Hansen, Edward J., EMNRD [mailto:edwardj.hansen@state.nm.us]  
**Sent:** Friday, November 17, 2006 12:33 PM  
**To:** Carolyn Haynes  
**Cc:** [whearth@msn.com](mailto:whearth@msn.com); Johnson, Larry, EMNRD; VonGonten, Glenn, EMNRD; Price, Wayne, EMNRD; Kristin Farris Pope  
**Subject:** RE: AP-27 BD E-15

Dear Ms. Haynes:

The NMOCD has received the email messages from Whole Earth Environmental, Inc. (dated November 11, 2006) regarding the above referenced site on behalf of Rice Operating Company (ROC). The messages and attachments appear to meet the conditions of the approval of the amendment (dated October 25, 2006) to the Stage 2 plan with the exception that there is no indication that the NMOCD District Office has been notified of these activities. Please send a copy of the October 25, 2006 letter and the November 11, 2006 email with attachments to the District Office in Hobbs. Once this notification is completed, ROC may continue to proceed with the Stage 2 plan as amended. Also, please submit your 2006 Annual Report to the NMOCD by March 31, 2007, so that the efficacy of the remediation activities at the site can be reviewed in a timely manner.

Please be advised that NMOCD approval of this plan does not relieve the owner/operator of responsibility should operations fail to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD approval does not relieve the owner/operator of responsibility for compliance with any NMOCD, federal, state, or local laws and/or regulations.

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

Edward J. Hansen

Hydrologist

Environmental Bureau

NMOCD

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**From:** Price, Wayne, EMNRD  
**Sent:** Wednesday, November 01, 2006 12:43 PM  
**To:** Carolyn Haynes; Kristin Farris Pope  
**Cc:** whearth@msn.com; Johnson, Larry, EMNRD; Hansen, Edward J., EMNRD; VonGonten, Glenn, EMNRD  
**Subject:** AP-27 BD E-15

Dear Ms. Haynes:

OCD is in receipt of an amendment of the Stage 2 plan dated October 25, 2006 issued by Whole Earth Environmental, Inc. on behalf of Rice Operating Company describing additional remediation activity at the site. OCD hereby approves of the activity with the following conditions:

1. ROC notify the District office of these activities.
2. ROC shall submit a comprehensive report describing these activities, including a well completion diagram, boring log, and results of soil samples collected from the well bore taken every five feet. The soil samples shall be analyzed for BTEX, TPH and chlorides using EPA methods. A water sample shall be collected and analyzed for the same constituents listed herein.

Please be advised that NMOCD approval of this plan does not relieve the owner/operator of responsibility should operations fail to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD approval does not relieve the owner/operator of responsibility for compliance with any OCD, federal, state, or local laws and/or regulations.

Special Note: During the last OCD/ROC technical meeting ROC had notified OCD this recovery well would be implemented. OCD informed ROC that additional recovery should be placed near MW-2 where the contamination was the highest. ROC has been reluctant to perform these actions do to access and other logistical issues. Therefore, OCD is hereby notifying ROC to submit a plan for OCD approval within 10 days of receipt of this E-mail to install an additional remediation system near MW-2 or another location down gradient of the site to prevent further groundwater contamination . Failure to act will be sufficient reason for OCD to issue a **"Notice of Deficiency"** for the Abatement Plan AP-27.

Please note, Ed Hansen 505-476-3489 E-Mail [edwardj.hansen@state.nm.us](mailto:edwardj.hansen@state.nm.us) will be your contact for this project.

11/27/2006

**Price, Wayne, EMNRD**

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**From:** Price, Wayne, EMNRD  
**Sent:** Thursday, November 02, 2006 9:14 AM  
**To:** 'Mike Griffin'  
**Cc:** kpope@riceswd.com; chaynes@riceswd.com; Hansen, Edward J., EMNRD  
**Subject:** RE: AP-27 BD E-15 Recovery Potential

Approved! Mike all future correspondence on this project goes to Ed Hansen and CC me.

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**From:** Mike Griffin [mailto:whearth@msn.com]  
**Sent:** Wednesday, November 01, 2006 5:01 PM  
**To:** Price, Wayne, EMNRD  
**Cc:** kpope@riceswd.com; chaynes@riceswd.com  
**Subject:** AP-27 BD E-15 Recovery Potential

Good Morning, Wayne:

I'm in receipt of your e-mail of Nov. 1 outlining our near term requirements at the above site and will comply. We've collected the split spoon samples you requested and conducted field screens for chlorides. There were no indications of any hydrocarbon involvement.

The samples will go to the lab tonight but I would like to request that we not be required to test each sample for BTEX or TPH. Could we instead sample for BTEX only at the 10' and 75' depths? The leak source was a pipe buried to a depth of 8' bgs. The ten foot sample will represent the first possible location of hydrocarbons, and the 75' sample will show us the concentrations at the interface layer.

On a related issue, we've completed the pump test on MW-2 and determined that we can expect a recharge rate of between 1,000-1,500 gallons per day. This recharge will make the conversion of MW-2 from a monitor well to a recovery well a practical option.

Mike Griffin

Whole Earth Environmental, Inc.  
Phone: 281.394.2050  
FAX: 281.394.2051

TRANSACTION REPORT

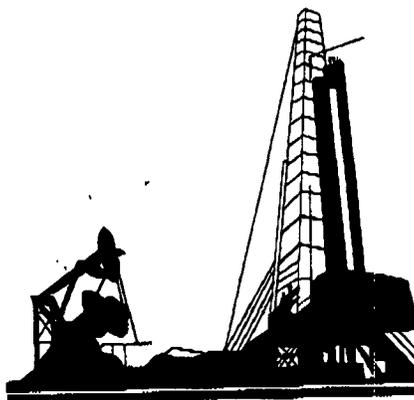
P. 01

NOV-01-2006 WED 01:02 PM

FOR:

DATE	START	RECEIVER	TX TIME	PAGES	TYPE	NOTE	M#	DP
NOV-01	01:01 PM	915053971471	1'20"	2	SEND	OK	463	

TOTAL : 1M 20S PAGES: 2



TRANSMITTAL COVER SHEET

OIL CONSERVATION DIVISION  
 1220 S. ST. FRANCIS DRIVE  
 SANTA FE, NM 87505  
 (505) 476-3440  
 (505)476-3462 (Fax)

PLEASE DELIVER THIS FAX:

TO: CAROLYN HAYNES

FROM: WAYNE PRICE



TRANSMITTAL COVER SHEET

OIL CONSERVATION DIVISION  
1220 S. ST. FRANCIS DRIVE  
SANTA FE, NM 87505  
(505) 476-3440  
(505)476-3462 (Fax)

PLEASE DELIVER THIS FAX:

TO: CAROLYN HAYNES

FROM: WAYNE PRICE

DATE: 11/01/06

PAGES: 2

SUBJECT: AP-27 BD-E-15

/

IF YOU HAVE TROUBLE RECEIVING THIS FAX, PLEASE CALL THE OFFICE NUMBER ABOVE.

**Price, Wayne, EMNRD**

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**From:** Price, Wayne, EMNRD  
**Sent:** Wednesday, November 01, 2006 12:43 PM  
**To:** Carolyn Haynes; Kristin Farris Pope  
**Cc:** whearth@msn.com; Johnson, Larry, EMNRD; Hansen, Edward J., EMNRD; VonGonten, Glenn, EMNRD  
**Subject:** AP-27 BD E-15

Dear Ms. Haynes:

OCD is in receipt of an amendment of the Stage 2 plan dated October 25, 2006 issued by Whole Earth Environmental, Inc. on behalf of Rice Operating Company describing additional remediation activity at the site. OCD hereby approves of the activity with the following conditions:

1. ROC notify the District office of these activities.
2. ROC shall submit a comprehensive report describing these activities, including a well completion diagram, boring log, and results of soil samples collected from the well bore taken every five feet. The soil samples shall be analyzed for BTEX, TPH and chlorides using EPA methods. A water sample shall be collected and analyzed for the same constituents listed herein.

Please be advised that NMOCD approval of this plan does not relieve the owner/operator of responsibility should operations fail to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD approval does not relieve the owner/operator of responsibility for compliance with any OCD, federal, state, or local laws and/or regulations.

Special Note: During the last OCD/ROC technical meeting ROC had notified OCD this recovery well would be implemented. OCD informed ROC that additional recovery should be placed near MW-2 where the contamination was the highest. ROC has been reluctant to perform these actions do to access and other logistical issues. Therefore, OCD is hereby notifying ROC to submit a plan for OCD approval within 10 days of receipt of this E-mail to install an additional remediation system near MW-2 or another location down gradient of the site to prevent further groundwater contamination. Failure to act will be sufficient reason for OCD to issue a **"Notice of Deficiency"** for the Abatement Plan AP-27.

Please note, Ed Hansen 505-476-3489 E-Mail [edwardj.hansen@state.nm.us](mailto:edwardj.hansen@state.nm.us) will be your contact for this project.

**Hansen, Edward J., EMNRD**

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**From:** Kristin Pope [kpope@riceswd.com]  
**Sent:** Monday, October 30, 2006 10:19 AM  
**To:** Price, Wayne, EMNRD; Sanchez, Daniel J., EMNRD; Caperton, Patricia, EMNRD; Johnson, Larry, EMNRD; Terry\_Gregston@blm.gov  
**Cc:** Carolyn Haynes; Scott Curtis; Joe Purvis; Mike Griffin; Ron Anderson  
**Subject:** ROC work schedule  
**Attachments:** 10.30.06.xls

Please find the attached work schedule for this week. As field conditions may be unpredictable, please call ROC for verification of a more specific time frame for any particular site.

Please note that Whole Earth Environmental will be installing an additional groundwater recovery well (RW-2) at the BD E-15 leak site (AP-27) near Eunice per the 10/26/2006 letter to Wayne Price from Mike Griffin.

ROC will also begin backhoe delineation at 2 leak sites near Eunice: BD H-1 and BD Campbell Hedrick Hardy. BLM had inquired about the status of the work plans submitted by ROC. On Oct. 11 in Santa Fe, Wayne Price granted verbal approval of the work plans for these sites.

For more information about these activities, please call me. Thanks.

Kristin Farris Pope  
Project Scientist  
RICE Operating Company  
Hobbs, New Mexico  
(505) 393-9174

**RICE Operating Company WORK SCHEDULE**

**week of October 30 - November 3, 2006**

Day	System	Location	Unit Letter	Section	Township	Range	GW depth	Scheduled Work
30	EME	I-1-2 boot	I	1	20S	36E	35	continue jct. box delineation & excavation w/backhoe
30	Justis	jct. F-2	F	2	25S	37E	75	continue jct. box delineation & excavation w/backhoe
31	BD	Campbell Hedrick Hardy leak	P	19	21S	37E	102	delineation & excavation at leak site; repair adjacent battery berm
1	BD	E-15 leak (groundwater recovery)		15	22S	37E	75	drill Recovery Well #2 (RW-2) per Whole Earth letter to OCD on 10/26 (AP-27)
2	BD	H-1 leak	H	1	22S	36E	137	delineation & excavation at leak site; repair washout

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**Hansen, Edward J., EMNRD**

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**From:** Hansen, Edward J., EMNRD  
**Sent:** Friday, November 17, 2006 12:33 PM  
**To:** Carolyn Haynes  
**Cc:** whearth@msn.com; Johnson, Larry, EMNRD; VonGonten, Glenn, EMNRD; Price, Wayne, EMNRD; Kristin Farris Pope  
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Edward J. Hansen  
Hydrologist  
Environmental Bureau  
NMOCD

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Please note, Ed Hansen 505-476-3489 E-Mail [edwardj.hansen@state.nm.us](mailto:edwardj.hansen@state.nm.us) will be your contact for this project.



**Whole Earth Environmental, Inc.**

2103 Arbor Cove  
Katy, Tx. 77494  
281.394.2050  
whearth@msn.com

November 10, 2006

NMOCD  
1220 South St. Francis  
Sante Fe, NM 87505

Attn: Ed Hansen

Subj: AP-27 BD E-15  
Sent Via e-mail – Copy by Regular mail

Dear Mr. Hansen:

At the request of Mr. Wayne Price, Whole Earth Environmental, Inc. and Rice Operating Company provided the NMOCD with a review of remediation options for the above site to expedite the remediation of impacted groundwater. The review was sent to the NMOCD on October 25, 2006. The review was quickly answered by Mr. Price who responded by e-mail with a short list of additional steps to be implemented.

The immediate action steps outlined within our October 25, 2006 letter included:

- Increasing the fluid removal volumes from our existing recovery well
- Drilling a second recovery well directly atop the leak source
- Investigation of the efficacy of a potential third recovery well at the point of highest groundwater chloride concentrations

Mr. Price' conditional approval of the plan further required that we provide the NMOCD with a comprehensive report describing these activities, a well completion diagram, boring log, and the results of soil samples taken at five-foot intervals during the well drilling operations. Mr. Price additionally required that we submit a plan to install an additional recovery system near MW-2 - the point of highest groundwater chloride concentrations. Though the time frame required by the NMOCD for implementing these steps was quite rigorous, we succeeded in accomplishing all of the required tasks.

**Increasing the Fluid Removal Volumes from Recovery Well # 1**

We temporarily bypassed the reverse osmosis treatment element of the recovery unit allowing it to continually pump the maximum amount of fluids the aquifer can yield. This action initially resulted in an increase in fluid volumes from a base line of approximately 200 gallons per day to a new volume of approximately 350 gallons per day. Continuous pumping has now increased the cone of influence within the well bore to where we are now achieving recovery rates of approximately 500 gallons per day.

**Drilling a Second Recovery Well**

On November 1, 2006, Atkins Engineering began drilling a second recovery well at a point determined to be the center of the leak source. Drilling continued into the next day until we reached the confining

red beds at a depth of 76' below ground surface. The attached boring log describes the soil lithology encountered during the drilling. The water bearing layer was determined to be less than one foot thick resulting in a dry hole and the well was subsequently plugged and abandoned. Split spoon samples were obtained at five-foot intervals throughout the drilling process and analyzed at Environmental Labs of Texas for the presence and concentrations of chlorides and BTEX. A copy of the analytical report is included within this transmittal.

**Pump Testing of Monitor Well No. 2**

On October 26, 2006, Arc Environmental, LLC completed a pump test of Monitor Well No. 2 in order to determine the fluid removal potential. The attached chart indicates stasis at a rate of slightly less than two gallons per minute or about 2,500 gallons per day. Based on this information we are planning to install a solar powered down-hole pump within the well pumping directly into the existing storage tanks. Rice Operating is in communication with the landowner to resolve the necessary right of way issues associated with the activity. The installation of the well will occur immediately after the conclusion of these discussions.

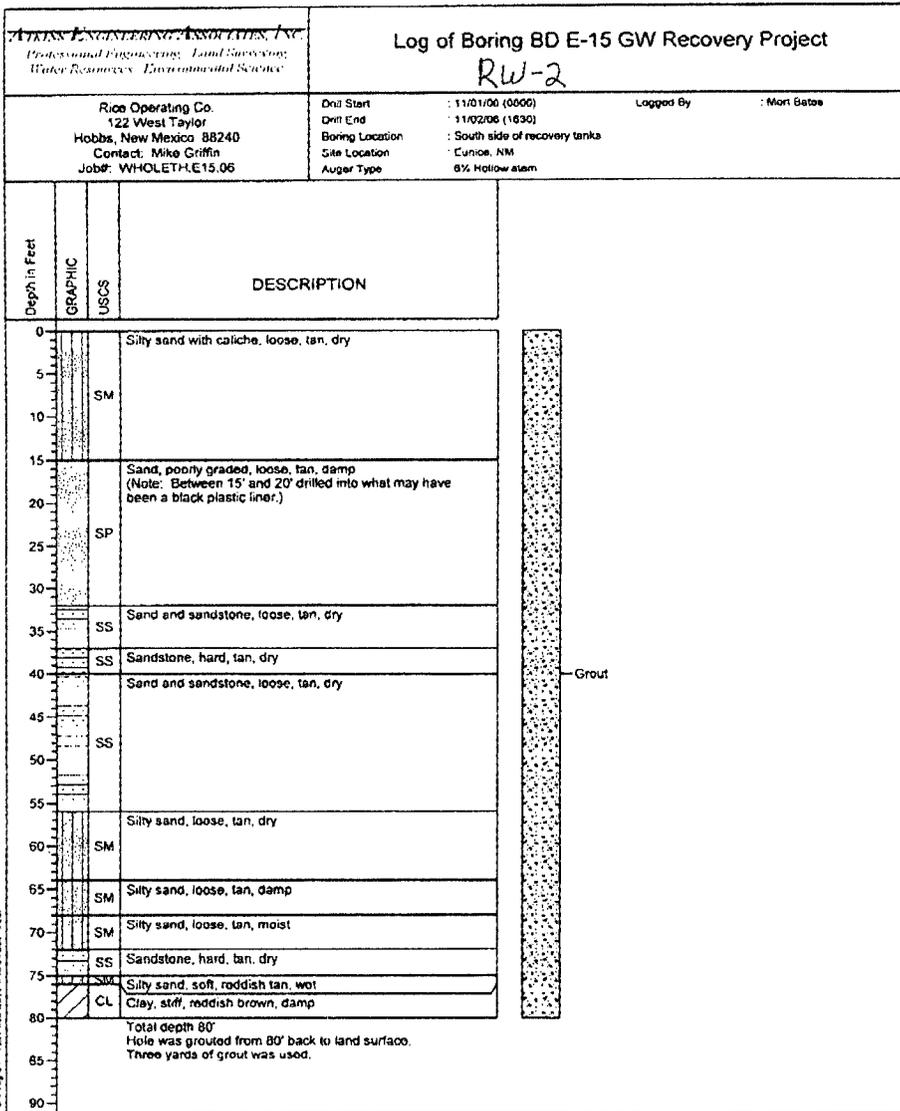
Thank you for the opportunity to discuss these additional steps we've undertaken to hasten the conclusion of the remediation project. If you've any further questions or comments, please do not hesitate to call.

Warmest regards,

Mike Griffin  
President  
Whole earth Environmental, Inc.

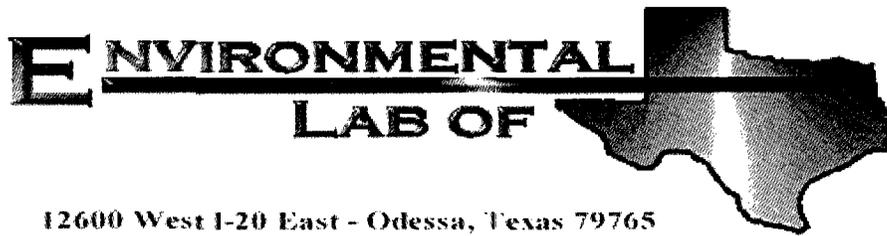
CC: Carolyn Doran Haynes / ROC  
Kristin Pope / ROC  
Wayne Price / NMOCD

Attachments: Boring Log – BD E-15 RW-2  
Pump Test – BD E-15 MW-2  
Laboratory Analytical Report – Soil Borings at BD E-15 RW-2



**Rice Operating Company**  
**BD E-15 RW-2**  
**Soil Boring Analytical Summary**

Depth (ft.)	Chlorides (ppm)	BTEX
5	936	
10	2,230	ND
15	2,770	
20	2,130	
25	3,400	
30	893	
35	915	
40	851	
45	3,300	
50	596	
55	681	
60	596	
65	1,220	
70	574	ND



12600 West I-20 East - Odessa, Texas 79765

## Analytical Report

**Prepared for:**

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

Project: BD E-15 Leak  
Project Number: None Given  
Location: None Given

Lab Order Number: 6K02006

Report Date: 11/09/06

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

Project: BD E-15 Leak  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
RW2@ 35'	6K02006-01	Soil	11/01/06 12:35	11-02-2006 07:30
RW2@ 20'	6K02006-02	Soil	11/01/06 12:03	11-02-2006 07:30
RW2@ 55'	6K02006-03	Soil	11/01/06 13:30	11-02-2006 07:30
RW2@ 60'	6K02006-04	Soil	11/01/06 14:00	11-02-2006 07:30
RW2@ 15'	6K02006-05	Soil	11/01/06 11:31	11-02-2006 07:30
RW2@ 10'	6K02006-06	Soil	11/01/06 11:38	11-02-2006 07:30
RW2@ 5'	6K02006-07	Soil	11/01/06 11:30	11-02-2006 07:30
RW2@ 30'	6K02006-08	Soil	11/01/06 12:21	11-02-2006 07:30
RW2@ 25'	6K02006-09	Soil	11/01/06 12:12	11-02-2006 07:30
RW2@ 45'	6K02006-10	Soil	11/01/06 12:55	11-02-2006 07:30
RW2@ 65'	6K02006-11	Soil	11/01/06 14:40	11-02-2006 07:30
RW2@ 50'	6K02006-12	Soil	11/01/06 13:24	11-02-2006 07:30
RW2@ 70'	6K02006-13	Soil	11/01/06 15:00	11-02-2006 07:30
RW2@ 40'	6K02006-14	Soil	11/01/06 12:45	11-02-2006 07:30

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

Project: BD E-15 Leak  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

**Organics by GC  
Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>RW2@ 10' (6K02006-06) Soil</b>									
Benzene	ND	0.0250	mg/kg dry	25	EK60303	11/03/06	11/07/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		103 %		80-120	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		86.8 %		80-120	"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EK60224	11/02/06	11/02/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbons	ND	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		83.4 %		70-130	"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		94.2 %		70-130	"	"	"	"	
<b>RW2@ 70' (6K02006-13) Soil</b>									
Benzene	ND	0.0250	mg/kg dry	25	EK60303	11/03/06	11/07/06	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		108 %		80-120	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		101 %		80-120	"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EK60224	11/02/06	11/03/06	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbons	ND	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		81.2 %		70-130	"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		90.0 %		70-130	"	"	"	"	

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

Project: BD E-15 Leak  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>RW2@ 35' (6K02006-01) Soil</b>									
Chloride	915	20.0	mg/kg Wet	2	EK60606	11/06/06	11/06/06	SW 846 9253	
<b>RW2@ 20' (6K02006-02) Soil</b>									
Chloride	2130	20.0	mg/kg Wet	2	EK60606	11/06/06	11/06/06	SW 846 9253	
<b>RW2@ 55' (6K02006-03) Soil</b>									
Chloride	681	20.0	mg/kg Wet	2	EK60606	11/06/06	11/06/06	SW 846 9253	
<b>RW2@ 60' (6K02006-04) Soil</b>									
Chloride	596	20.0	mg/kg Wet	2	EK60606	11/06/06	11/06/06	SW 846 9253	
<b>RW2@ 15' (6K02006-05) Soil</b>									
Chloride	2770	20.0	mg/kg Wet	2	EK60606	11/06/06	11/06/06	SW 846 9253	
<b>RW2@ 10' (6K02006-06) Soil</b>									
Chloride	2230	20.0	mg/kg Wet	2	EK60607	11/06/06	11/06/06	SW 846 9253	
% Moisture	8.6	0.1	%	1	EK60315	11/02/06	11/03/06	% calculation	
<b>RW2@ 5' (6K02006-07) Soil</b>									
Chloride	936	20.0	mg/kg Wet	2	EK60607	11/06/06	11/06/06	SW 846 9253	
<b>RW2@ 30' (6K02006-08) Soil</b>									
Chloride	893	20.0	mg/kg Wet	2	EK60607	11/06/06	11/06/06	SW 846 9253	
<b>RW2@ 25' (6K02006-09) Soil</b>									
Chloride	3400	20.0	mg/kg Wet	2	EK60607	11/06/06	11/06/06	SW 846 9253	
<b>RW2@ 45' (6K02006-10) Soil</b>									
Chloride	3300	20.0	mg/kg Wet	2	EK60607	11/06/06	11/06/06	SW 846 9253	

Environmental Lab of Texas

*The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.*

Page 3 of 10

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

Project: BD E-15 Leak  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>RW2@ 65' (6K02006-11) Soil</b>									
Chloride	1220	20.0	mg/kg Wet	2	EK60607	11/06/06	11/06/06	SW 846 9253	
<b>RW2@ 50' (6K02006-12) Soil</b>									
Chloride	596	20.0	mg/kg Wet	2	EK60607	11/06/06	11/06/06	SW 846 9253	
<b>RW2@ 70' (6K02006-13) Soil</b>									
Chloride	574	20.0	mg/kg Wet	2	EK60607	11/06/06	11/06/06	SW 846 9253	
% Moisture	7.1	0.1	%	1	EK60315	11/02/06	11/03/06	% calculation	
<b>RW2@ 40' (6K02006-14) Soil</b>									
Chloride	851	20.0	mg/kg Wet	2	EK60607	11/06/06	11/06/06	SW 846 9253	

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

Project: BD E-15 Leak  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

**Organics by GC - Quality Control**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch EK60224 - Solvent Extraction (GC)**

**Blank (EK60224-BLK1)**

Prepared & Analyzed: 11/02/06

Carbon Ranges C6-C12	ND	10.0	mg/kg wet							
Carbon Ranges C12-C28	ND	10.0	"							
Carbon Ranges C28-C35	ND	10.0	"							
Total Hydrocarbons	ND	10.0	"							
Surrogate: 1-Chlorooctane	43.2		mg/kg	50.0		86.4	70-130			
Surrogate: 1-Chlorooctadecane	52.1		"	50.0		104	70-130			

**LCS (EK60224-BS1)**

Prepared & Analyzed: 11/02/06

Carbon Ranges C6-C12	571	10.0	mg/kg wet	500		114	75-125			
Carbon Ranges C12-C28	438	10.0	"	500		87.6	75-125			
Carbon Ranges C28-C35	ND	10.0	"	0.00			75-125			
Total Hydrocarbons	1010	10.0	"	1000		101	75-125			
Surrogate: 1-Chlorooctane	50.5		mg/kg	50.0		101	70-130			
Surrogate: 1-Chlorooctadecane	52.9		"	50.0		106	70-130			

**Calibration Check (EK60224-CCV1)**

Prepared: 11/02/06 Analyzed: 11/03/06

Carbon Ranges C6-C12	259		mg/kg	250		104	80-120			
Carbon Ranges C12-C28	249		"	250		99.6	80-120			
Total Hydrocarbons	509		"	500		102	80-120			
Surrogate: 1-Chlorooctane	41.5		"	50.0		83.0	70-130			
Surrogate: 1-Chlorooctadecane	46.7		"	50.0		93.4	70-130			

**Matrix Spike (EK60224-MS1)**

Source: 6K01018-01

Prepared: 11/02/06 Analyzed: 11/03/06

Carbon Ranges C6-C12	566	10.0	mg/kg dry	524	ND	108	75-125			
Carbon Ranges C12-C28	422	10.0	"	524	ND	80.5	75-125			
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125			
Total Hydrocarbons	988	10.0	"	1050	ND	94.1	75-125			
Surrogate: 1-Chlorooctane	40.3		mg/kg	50.0		80.6	70-130			
Surrogate: 1-Chlorooctadecane	44.0		"	50.0		88.0	70-130			

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

Project: BD E-15 Leak  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

**Organics by GC - Quality Control**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch EK60224 - Solvent Extraction (GC)**

Matrix Spike Dup (EK60224-MSD1)	Source: 6K01018-01			Prepared: 11/02/06		Analyzed: 11/03/06			
Carbon Ranges C6-C12	564	10.0	mg/kg dry	524	ND	108	75-125	0.354	20
Carbon Ranges C12-C28	421	10.0	"	524	ND	80.3	75-125	0.237	20
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125		20
Total Hydrocarbons	985	10.0	"	1050	ND	93.8	75-125	0.304	20
Surrogate: 1-Chlorooctane	45.2		mg/kg	50.0		90.4	70-130		
Surrogate: 1-Chlorooctadecane	48.0		"	50.0		96.0	70-130		

**Batch EK60303 - EPA 5030C (GC)**

Blank (EK60303-BLK1)				Prepared: 11/03/06		Analyzed: 11/06/06			
Benzene	ND	0.0250	mg/kg wet						
Toluene	ND	0.0250	"						
Ethylbenzene	ND	0.0250	"						
Xylene (p/m)	ND	0.0250	"						
Xylene (o)	ND	0.0250	"						
Surrogate: a,a,a-Trifluorotoluene	38.4		ug/kg	40.0		96.0	80-120		
Surrogate: 4-Bromofluorobenzene	39.2		"	40.0		98.0	80-120		
LCS (EK60303-BS1)				Prepared: 11/03/06		Analyzed: 11/06/06			
Benzene	1.41	0.0250	mg/kg wet	1.25		113	80-120		
Toluene	1.43	0.0250	"	1.25		114	80-120		
Ethylbenzene	1.50	0.0250	"	1.25		120	80-120		
Xylene (p/m)	2.91	0.0250	"	2.50		116	80-120		
Xylene (o)	1.40	0.0250	"	1.25		112	80-120		
Surrogate: a,a,a-Trifluorotoluene	41.3		ug/kg	40.0		103	80-120		
Surrogate: 4-Bromofluorobenzene	46.5		"	40.0		116	80-120		

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

Project: BD E-15 Leak  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

**Organics by GC - Quality Control**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch EK60303 - EPA 5030C (GC)**

**Calibration Check (EK60303-CCV1)**

Prepared: 11/03/06 Analyzed: 11/07/06

Benzene	59.8		ug/kg	50.0		120	80-120			
Toluene	53.5		"	50.0		107	80-120			
Ethylbenzene	55.9		"	50.0		112	80-120			
Xylene (p/m)	102		"	100		102	80-120			
Xylene (o)	50.2		"	50.0		100	80-120			
Surrogate: a,a,a-Trifluorotoluene	44.5		"	40.0		111	80-120			
Surrogate: 4-Bromofluorobenzene	37.5		"	40.0		93.8	80-120			

**Matrix Spike (EK60303-MS1)**

Source: 6K01013-01

Prepared: 11/03/06 Analyzed: 11/07/06

Benzene	1.58	0.0250	mg/kg dry	1.33	ND	119	80-120			
Toluene	1.42	0.0250	"	1.33	ND	107	80-120			
Ethylbenzene	1.37	0.0250	"	1.33	ND	103	80-120			
Xylene (p/m)	2.79	0.0250	"	2.66	ND	105	80-120			
Xylene (o)	1.27	0.0250	"	1.33	ND	95.5	80-120			
Surrogate: a,a,a-Trifluorotoluene	40.6		ug/kg	40.0		102	80-120			
Surrogate: 4-Bromofluorobenzene	44.0		"	40.0		110	80-120			

**Matrix Spike Dup (EK60303-MSD1)**

Source: 6K01013-01

Prepared: 11/03/06 Analyzed: 11/07/06

Benzene	1.51	0.0250	mg/kg dry	1.33	ND	114	80-120	4.29	20	
Toluene	1.38	0.0250	"	1.33	ND	104	80-120	2.84	20	
Ethylbenzene	1.33	0.0250	"	1.33	ND	100	80-120	2.96	20	
Xylene (p/m)	2.85	0.0250	"	2.66	ND	107	80-120	1.89	20	
Xylene (o)	1.32	0.0250	"	1.33	ND	99.2	80-120	3.80	20	
Surrogate: a,a,a-Trifluorotoluene	42.0		ug/kg	40.0		105	80-120			
Surrogate: 4-Bromofluorobenzene	41.7		"	40.0		104	80-120			

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

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

Project: BD E-15 Leak  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

**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
<b>Batch EK60315 - General Preparation (Prep)</b>										
<b>Blank (EK60315-BLK1)</b>					Prepared: 11/02/06 Analyzed: 11/03/06					
% Solids	99.9		%							
<b>Duplicate (EK60315-DUP1)</b>					Source: 6K01018-01 Prepared: 11/02/06 Analyzed: 11/03/06					
% Solids	95.2		%		95.5			0.315	20	
<b>Duplicate (EK60315-DUP2)</b>					Source: 6K02008-02 Prepared: 11/02/06 Analyzed: 11/03/06					
% Solids	92.9		%		93.1			0.215	20	
<b>Batch EK60606 - Water Extraction</b>										
<b>Blank (EK60606-BLK1)</b>					Prepared & Analyzed: 11/06/06					
Chloride	ND	10.0	mg/kg Wet							
<b>LCS (EK60606-BS1)</b>					Prepared & Analyzed: 11/06/06					
Chloride	95.7	5.00	mg/kg Wet	100		95.7	80-120			
<b>Matrix Spike (EK60606-MS1)</b>					Source: 6K02004-04 Prepared & Analyzed: 11/06/06					
Chloride	1320	80.0	mg/kg Wet	400	1000	80.0	80-120			
<b>Matrix Spike Dup (EK60606-MSD1)</b>					Source: 6K02004-04 Prepared & Analyzed: 11/06/06					
Chloride	1380	80.0	mg/kg Wet	400	1000	95.0	80-120	4.44	20	
<b>Reference (EK60606-SRM1)</b>					Prepared & Analyzed: 11/06/06					
Chloride	55.3		mg/kg	50.0		111	80-120			
<b>Batch EK60607 - Water Extraction</b>										
<b>Blank (EK60607-BLK1)</b>					Prepared & Analyzed: 11/06/06					
Chloride	ND	10.0	mg/kg Wet							

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

Project: BD E-15 Leak  
 Project Number: None Given  
 Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

**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
<b>Batch EK60607 - Water Extraction</b>										
<b>LCS (EK60607-BS1)</b>										
Prepared & Analyzed: 11/06/06										
Chloride	106	5.00	mg/kg Wet	100		106	80-120			
<b>Matrix Spike (EK60607-MS1)</b>										
Source: 6K02006-06 Prepared & Analyzed: 11/06/06										
Chloride	4360	400	mg/kg Wet	2000	2230	106	80-120			
<b>Matrix Spike Dup (EK60607-MSD1)</b>										
Source: 6K02006-06 Prepared & Analyzed: 11/06/06										
Chloride	4470	400	mg/kg Wet	2000	2230	112	80-120	2.49	20	
<b>Reference (EK60607-SRM1)</b>										
Prepared & Analyzed: 11/06/06										
Chloride	53.2		mg/kg	50.0		106	80-120			

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

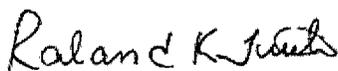
Project: BD E-15 Leak  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

### Notes and Definitions

DET 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:



Date:

11/9/2006

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.

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

Client: Live Op.  
 Date/ Time: 11/2/06 7:30  
 Lab ID #: 6K02006  
 Initials: OK

**Sample Receipt Checklist**

				Client Initials
#1	Temperature of container/ cooler?	Yes	No	0.5 °C
#2	Shipping container in good condition?	Yes	No	
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	Not Present
#4	Custody Seals intact on sample bottles/ container?	Yes	No	Not Present
#5	Chain of Custody present?	Yes	No	
#6	Sample instructions complete of Chain of Custody?	Yes	No	
#7	Chain of Custody signed when relinquished/ received?	Yes	No	
#8	Chain of Custody agrees with sample label(s)?	Yes	No	ID written on Cont./ Lid
#9	Container label(s) legible and intact?	Yes	No	Not Applicable
#10	Sample matrix/ properties agree with Chain of Custody?	Yes	No	
#11	Containers supplied by ELOT?	Yes	No	
#12	Samples in proper container/ bottle?	Yes	No	See Below
#13	Samples properly preserved?	Yes	No	See Below
#14	Sample bottles intact?	Yes	No	
#15	Preservations documented on Chain of Custody?	Yes	No	
#16	Containers documented on Chain of Custody?	Yes	No	
#17	Sufficient sample amount for indicated test(s)?	Yes	No	See Below
#18	All samples received within sufficient hold time?	Yes	No	See Below
#19	VOC samples have zero headspace?	Yes	No	Not Applicable

**Variance Documentation**

Contact: \_\_\_\_\_ Contacted by: \_\_\_\_\_ Date/ Time: \_\_\_\_\_

Regarding: \_\_\_\_\_

Corrective Action Taken: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

- Check all that Apply:
- See attached e-mail/ fax
  - Client understands and would like to proceed with analysis
  - Cooling process had begun shortly after sampling event

**Jeanne McMurrey**

---

**From:** "Carolyn Haynes" <chaynes@riceswd.com>  
**To:** "Jeanne McMurrey" <jeanne@elabtexas.com>  
**Cc:** "Kristin Pope" <kpope@riceswd.com>; "Mike Griffin" <whearth@msn.com>  
**Sent:** Thursday, November 02, 2006 12:08 PM  
**Subject:** Rice E-15 Samples Delivered 11-2-06 7:30 am

Jeanne,

See the red highlight below.

Preserve all samples. Right now, for the 10' and 75' samples, please run the BTEX and TPH as well as the chloride. For all other samples, run only chloride. Should the 10' and 75' samples indicate significant levels of BTEX or TPH, we may choose to run the rest. Call us with the 10' and 75' results so we can decide.

Thanks so much!

**Carolyn Doran Haynes**

Engineering Manager

**RICE** *Operating Company*

505-393-9174

505-397-1471 (fax)

---

**From:** Price, Wayne, EMNRD [mailto:wayne.price@state.nm.us]  
**Sent:** Thursday, November 02, 2006 9:14 AM  
**To:** Mike Griffin  
**Cc:** kpope@riceswd.com; chaynes@riceswd.com; Hansen, Edward J., EMNRD  
**Subject:** RE: AP-27 BD E-15 Recovery Potential

Approved! Mike all future correspondence on this project goes to Ed Hansen and CC me.

---

**From:** Mike Griffin [mailto:whearth@msn.com]  
**Sent:** Wednesday, November 01, 2006 5:01 PM  
**To:** Price, Wayne, EMNRD  
**Cc:** kpope@riceswd.com; chaynes@riceswd.com  
**Subject:** AP-27 BD E-15 Recovery Potential

Good Morning, Wayne:

I'm in receipt of your e-mail of Nov. 1 outlining our near term requirements at the above site and will comply. We've collected the split spoon samples you requested and conducted field screens for chlorides. There were no indications of any hydrocarbon involvement.

The samples will go to the lab tonight but I would like to request that we not be required to test each sample for BTEX or TPH. Could we instead sample for BTEX only at the 10' and 75' depths? The leak source was a pipe buried to a depth of 8' bgs. The ten foot sample will represent the first possible location of hydrocarbons, and the 75' sample will show us the concentrations at the interface layer.

On a related issue, we've completed the pump test on MW-2 and determined that we can expect a

11/2/2006

recharge rate of between 1,000-1,500 gallons per day. This recharge will make the conversion of MW-2 from a monitor well to a recovery well a practical option.

Mike Griffin

Whole Earth Environmental, Inc.

Phone: 281.394.2050

FAX: 281.394.2051

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--

This message has been scanned for viruses and dangerous content by Basin Broadband, and is believed to be clean.

11/2/2006

## Well Pump Test

<b>Company</b>	RICE Operating Company
<b>Well ID</b>	BD E-15 Monitor Well #2
<b>Date</b>	October 26, 2006
<b>Field Personnel</b>	Rozanne Johnson
<b>Well Size</b>	2-inch

### WELL INFORMATION

Description of Measuring Point (MP): The casing lip, indicated by a mark.

Depth of Well Below MP, ft:	87.68
Depth to Water Below MP, ft:	76.44
Water Column in Well, ft:	11.24
Gallons in Well Column	1.80

### FIELD PARAMETERS

Time	Gallons Pumped	Depth to Water	Drawdown/ft	Time	Gallons Pumped	Depth to Water	Drawdown/ft
<b>BEGINNING PUMPING RATE 0.5 GPM</b>				<b>INCREASED RATE 4 GPM</b>			
	Start Pumping	76.44		1 Minute			
1 Minute	0.5 Gallons	78.30	1.86	2 Minute			
2 Minute	1 Gallons	78.40	1.96	3 Minute			
3 Minute	1.5 Gallons	78.80	2.36	4 Minute			
4 Minute	2 Gallons	79.08	2.64	5 Minute			
5 Minute	2.5 Gallons	79.10	2.66	6 Minute			
6 Minute	3 Gallons	79.05	2.61	<b>WELL RECHARGE RATE</b>			
7 Minute	3.5 Gallons	79.00	2.56	15 Seconds		79.91	
8 Minute	4 Gallons	79.05	2.61	30 Seconds		79.92	
9 Minute	4.5 Gallons	79.06	2.62	45 Seconds		79.68	
10 Minute	5 Gallons	79.08	2.64	1 Minute		79.67	
<b>INCREASED RATE 1 GPM</b>				1 Minute 15 Sec.		79.67	
1 Minute	6 Gallons	79.36	2.92	1 Minute 30 Sec		79.67	
2 Minute	7 Gallons	79.38	2.94	1 Minute 45 Sec.		79.65	
3 Minute	8 Gallons	79.40	2.96	2 Minutes		79.63	
4 Minute	9 Gallons	79.42	2.98	2 Minutes 30 Sec		79.63	
5 Minute	10 Gallons	79.46	3.02	2 Minutes 45 Sec.			
6 Minute	11 Gallons	79.48	3.04	3 Minutes		79.61	
7 Minute	12 Gallons	79.48	3.04	3 Minutes 15 Sec.		79.61	
8 Minute	13 Gallons	79.48	3.04	3 Minutes 30 Sec.			
9 Minute	14 Gallons	79.48	3.04	3 Minutes 45 Sec.		79.61	
10 Minute	15 Gallons	79.48	3.04	4 Minutes			
<b>INCREASED RATE 2 GPM</b>				4 Minutes 15 Sec.			
1 Minute	17 Gallons	79.60	3.16	4 Minutes 30 Sec.		79.60	
2 Minute	19 Gallons	79.71	3.27	4 Minutes 45 Sec.			
3 Minute	21 Gallons	79.78	3.34	5 Minutes		79.58	
4 Minute	23 Gallons	79.74	3.30	5 Minutes 30 Sec.			
5 Minute	25 Gallons	79.77	3.33	6 Minutes		79.57	
6 Minute	27 Gallons	79.88	3.44	6 Minutes 30 Sec.			
7 Minute	29 Gallons	79.89	3.45	7 Minutes		79.55	
8 Minute	31 Gallons	80.01	3.57	8 Minutes		79.53	
9 Minute	33 Gallons	80.03	3.59	9 Minutes		79.52	
10 Minute	35 Gallons	80.05	3.61	10 Minutes		79.50	
11 Minute				11 Minutes		79.48	
12 Minute				12 Minutes		79.45	
13 Minute				13 Minutes		79.42	
14 Minute				14 Minutes		79.39	
15 Minute	45 Gallons	80.82	4.38	15 Minutes			
16 Minute				16 Minutes			
17 Minute				17 Minutes			
18 Minute	51 Gallons	81.44	5.00	18 Minutes			
19 Minute				19 Minutes			
20 Minute	55 Gallons	81.68	5.24	20 Minutes		76.54	
25 Minute	65 Gallons	83.04	6.60				
27 Minute (Pumped Off)	68 Gallons	84.68	8.24				



**Whole Earth Environmental, Inc.**

2103 Arbor Cove  
Katy, Tx. 77494  
281.394.2050  
whearth@msn.com

RECORDED

OCT 30 2006

Oil Conservation District  
1220 S. St. Francis Dr.  
Santa Fe, NM 87505

October 25, 2006

NMOCD  
1220 South Saint Francis Dr.  
Sante Fe, NM 87505

Attn: Wayne Price

OCD AP-27  
Rice Operating Company BD E-15 Leak Site

Dear Mr. Price:

Several weeks ago, you requested that we review our options at the BD E-15 leak site in an effort to more quickly achieve significant reductions in the chloride concentrations within the affected aquifer. Whole Earth Environmental and Rice Operating Company have conducted an extensive review of the known data and are immediately taking a number of action steps to achieve the objective.

**Aquifer Profile**

As shown on the attached plat map, the aquifer pinches out immediately to the south and east of the impact area. Delineation wells nos. five and six were advanced to the red bed with no trace of water within the bores. Monitor wells three and four produce extremely sparse volumes of water; when pumped dry, they take up to four days to achieve equilibrium. After several months of pumping, we've determined that the formation can only achieve a maximum withdrawal of approximately three hundred fifty gallons per day at the location of the existing recovery well.

**Present Recovery Activities**

The remediation activity has to date been limited to a single recovery well. As presently configured, the recovery system processes only a portion of the available source water with the balance being re-circulated within the system minimizing the waste stream volumes. Effective immediately, we are reconfiguring the process to continuously pump the maximum amount of water the aquifer can provide. This will have the net effect of increasing the volume of fluids removed from the formation from approximately two hundred gallons per day to the maximum recharge capability of approximately three hundred fifty gallons.

**Additional Recovery Well No. 2**

We have contracted Atkins Engineering to drill a second recovery well on November 1<sup>st</sup>. The well will be situated directly atop the leak origin. Once drilled and developed, we anticipate similar rates of withdrawal to those we are experiencing within the existing recovery well. We anticipate that these two actions alone will result in an immediate increase in the amount of fluids removed from the aquifer from approximately two hundred gallons per day to approximately seven hundred gallons

**Additional Investigations**

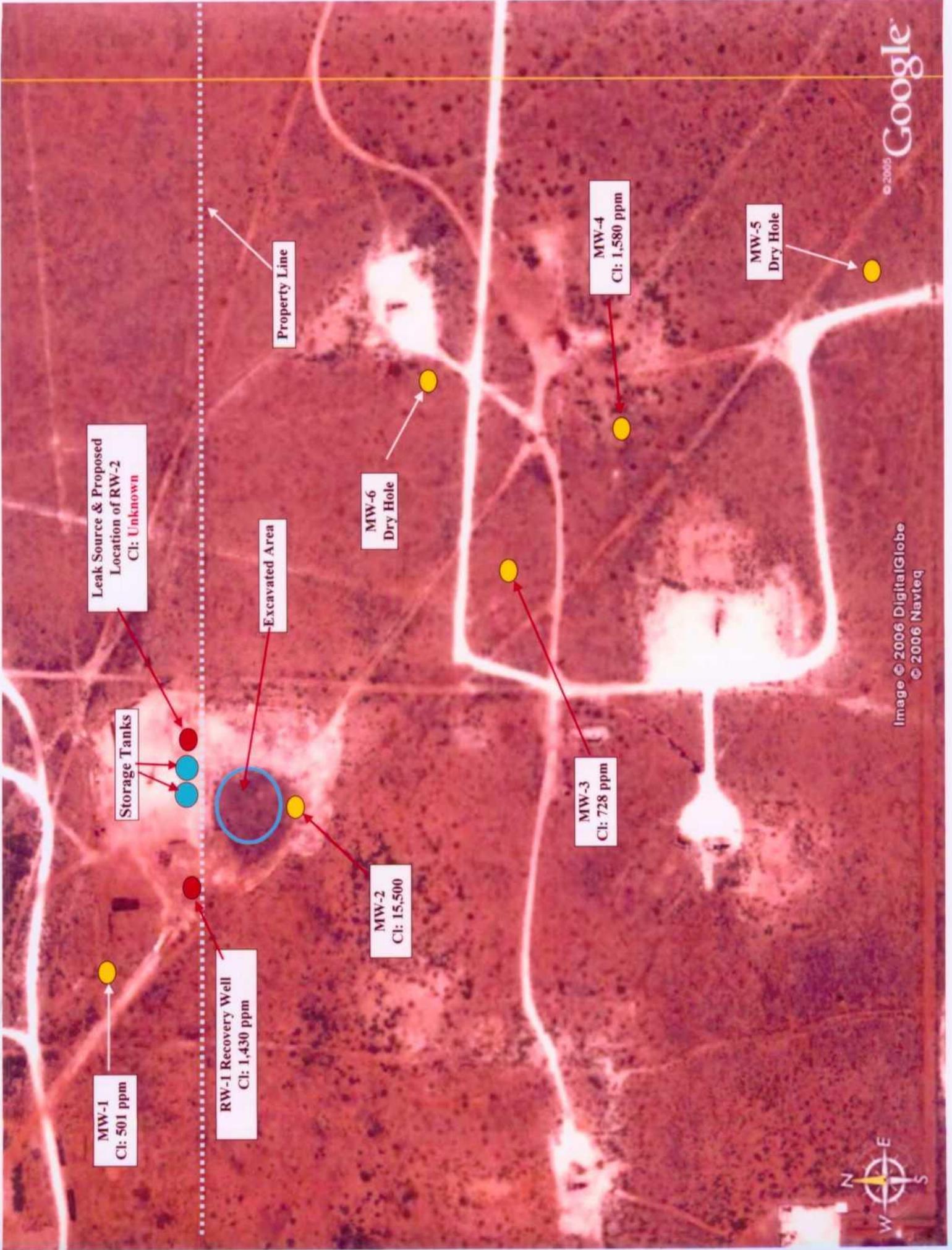
We are presently conducting pump tests on monitor well no. two. After the second recovery well is completed, we will conduct periodic draw-down measurements and additional chloride testing of the three monitor wells. These data will provide us with new information allowing us to determine the efficacy of the increased pumping as determined by the overall recharge rate along with up to the minute information on changes to the salinity levels within the plume.

As these action steps are conducted and evaluated, we will certainly keep you apprised.

Warmest personal regards,

A handwritten signature in black ink, appearing to read "Mike Griffin". The signature is stylized and cursive.

Mike Griffin  
President  
Whole Earth Environmental, Inc.



**Rice Operating Company  
BD System E-15 Leak Site  
Monitor Well Chloride Concentrations (Mg/L)**

Monitor Well # 1		Monitor Well # 2		Monitor Well # 3		Monitor Well # 4		Source Well # 1	
		01/23/01	19,675	01/23/01	780				
04/09/02	815	04/09/02	42,500	04/09/02	691	04/09/02	1,490		
06/07/02	532	06/07/02	28,000	06/07/02	857	06/07/02	1,510		
10/23/02	620	10/23/02	39,000	10/23/02	827	10/23/02	1,600		
12/30/02	691	12/30/02	31,600	12/30/02	868	12/30/02	1,610		
04/14/03	709	04/14/03	29,200	04/14/03	886	04/14/03	1,510		
06/19/03	736	06/19/03	29,200	06/19/03	886	06/19/03	1,750		
10/11/03	709	10/11/03	28,500	10/11/03	992	10/11/03	1,770		
05/08/04	744	05/08/04	25,200			05/08/04	1,880		
10/01/04	762	10/01/04	23,900	10/01/04	904	10/01/04	1,840		
12/30/04	762	12/30/04	25,400	12/30/04	993	12/30/04	1,840	12/30/04	1,680
02/11/05	663	02/11/05	18,000	02/11/05	797	02/11/05	1,400	02/11/05	1,180
05/01/05	512	05/01/05	23,900	05/01/05	909	05/01/05	1,970	05/01/05	2,030
08/30/05	1760 ?	08/30/05	24,400	08/30/05	676	08/30/05	1,000	08/30/05	2,010
11/08/05	438	11/08/05	17,200	11/08/05	845	11/08/05	1,510		
02/07/06	387	02/07/06	17,700	02/07/06	769	02/07/06	1,550		
05/09/06	367	05/09/06	16,200	05/09/06	907	05/09/06	1,820		
08/29/06	501	08/29/06	15,500	08/29/06	728	08/29/06	1,580	08/29/06	1,430

**Price, Wayne, EMNRD**

---

**From:** Price, Wayne, EMNRD  
**Sent:** Friday, September 29, 2006 1:43 PM  
**To:** Carolyn Haynes; Kristin Pope; whearth@msn.com  
**Cc:** Johnson, Larry, EMNRD; Sanchez, Daniel J., EMNRD; boyds\_enm@zianet.com.  
**Subject:** E-15 Release site BD SWD System AP-27

On November 18, 2005 OCD requested that ROC expand the Sage II abatement plan to include the contamination under the Boyd property located to the southeast of the site. As of to date OCD has not received a plan to address this issue. OCD has received several telephone calls from Mr. Boyd concerning this issue. ROC had indicated they were in the process of obtaining an agreement with Mr. Boyd to gain access.

OCD is concerned that without proper remediation of the site, additional fresh water may be impacted in the foreseeable future. Therefore, you are hereby ordered to submit a modification of the existing combined sage 1 and 2 plan to include additional investigation and immediate groundwater restoration plan. Please submit this plan within 30 days of receipt of this E-mail. OCD is willing to approve any emergency measures in the mean time. Thank you for your cooperation.

Failure to abide by this requirement may be reason for OCD to request a hearing to determine a resolution to this process.

# RICE Operating Company

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

2006 APR 3 PM 1 15

CERTIFIED MAIL  
RETURN RECEIPT NO. 7005 1820 0001 6804 8149

March 29, 2006

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

COPY

**RE: 2005 MONITOR WELL REPORT/SAMPLING SUMMARY  
JUNCTION E-15 Release Site, BD SWD SYSTEM  
UNIT 'E', SEC. 15, T22S, R37E  
NMOCD CASE #AP-27**

Mr. Price:

Rice Operating Company (ROC) takes this opportunity to submit the 2005 Monitor Well Report for the BD jct. E-15 Release Site located in the Blinbry-Drinkard (BD) Salt Water Disposal (SWD) System. The monitoring wells at this location are sampled quarterly pursuant to New Mexico Oil Conservation Division (OCD) guidelines and the chemical analyses of the water samples are enclosed. In 2006, Arc Environmental Services of Lovington, New Mexico will sample the wells and Environmental Lab of Texas of Odessa will continue to conduct analytical tests of the water samples.

Whole Earth Environmental, Inc. (Whole Earth) of Houston, Texas has been contracted by ROC to address groundwater concerns at this site. Within the next few months, the groundwater treatment/recovery system that is currently on site will be activated.

ROC is the service provider (operator) for the BD Salt Water Disposal System and has no ownership of any portion of pipeline, well, or facility. The BD SWD System is owned by a consortium of oil producers, System Partners, who provide all operating capital on a percentage ownership/usage basis.

Thank you for your consideration concerning this annual summary of groundwater monitoring information. If you have any questions, do not hesitate to contact me or Mike Griffin of Whole Earth.

RICE OPERATING COMAPANY

*Kristin Farris Pope*

Kristin Farris Pope  
Project Scientist

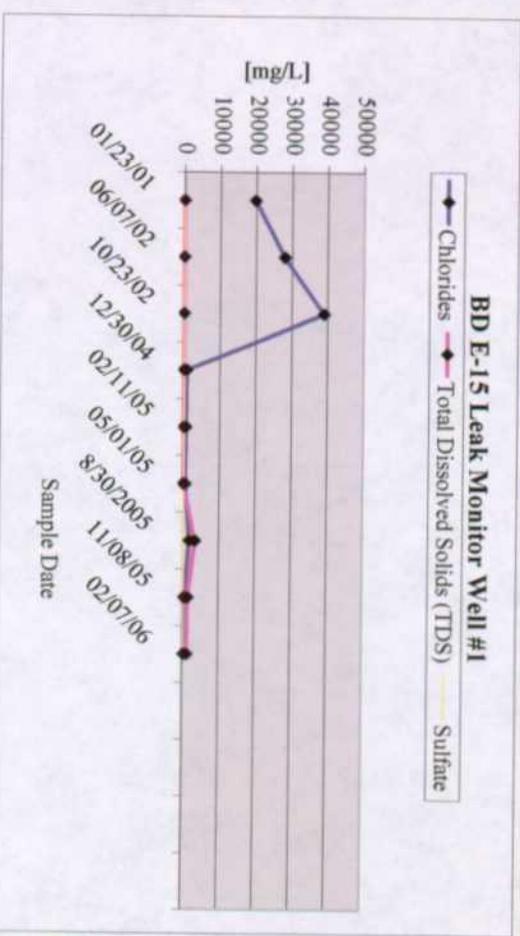
enclosures:      Summary table & graph  
                         Analytical results  
                         map

cc: LBG, CDH, Whole Earth, file, Rob Roy Industries,

Daniel Sanchez  
Oil Conservation Division  
1220 S. St. Francis Drive  
Santa Fe, New Mexico 87505

**BD E-15 Leak**  
Unit 'E', Sec. 15, T22S, R37E

MW #	DEPTH TO WATER	TOTAL DEPTH	(gal)			SAMPLE DATE	CL-	TDS	All parameter concentrations are in mg/L.						
			WELL VOLUME	VOLUME BAILED					BENZENE	TOLUENE	ETHYL BENZENE	TOTAL XYLENES	Sulfate		
1	XXX	XXX	XXX	XXX	XXX	01/23/01	19675	XXX	0.001	0.001	0.001	0.001	0.001	XXX	
1	XXX	XXX	XXX	XXX	XXX	06/07/02	28000	XXX	0.002	0.006	0.003	0.055	XXX		
1	XXX	XXX	XXX	XXX	XXX	10/23/02	39000	XXX	0.013	0.011	0.016	0.084	XXX		
1	XXX	XXX	XXX	XXX	XXX	12/30/04	762	XXX	XXX	XXX	XXX	XXX	XXX		
1	XXX	XXX	XXX	XXX	XXX	02/11/05	663	XXX	XXX	XXX	XXX	XXX	XXX		
1	XXX	XXX	XXX	XXX	XXX	05/01/05	512	XXX	XXX	XXX	XXX	XXX	XXX		
1	XXX	XXX	XXX	XXX	XXX	8/30/2005	1760	3350	<0.001	<0.001	<0.001	<0.001	215		
1	73.65	92.25	3	10	11/08/05	438	1400	<0.001	<0.001	<0.001	<0.001	<0.001	183		
1	73.41	92.25	3	9	02/07/06	387	1270	<0.001	<0.001	<0.001	<0.001	181			

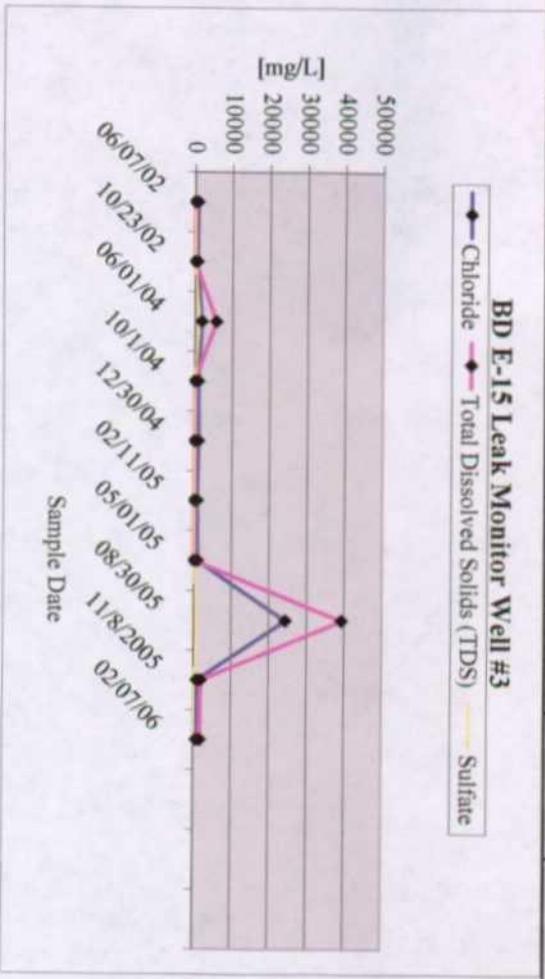




**BD E-15 Leak**  
Unit 'E', Sec. 15, T22S, R37E

MW #	DEPTH TO WATER	TOTAL DEPTH	WELL VOLUME	VOLUME BAILED	SAMPLE DATE	CL-	TDS	BENZENE	TOLUENE	ETHYL BENZENE	TOTAL XYLENES	Sulfate
3	XXX	XXX	XXX	XXX	06/07/02	657	XXX	0.001	0.001	0.001	0.001	XXX
3	XXX	XXX	XXX	XXX	10/23/02	620	XXX	0.001	0.001	0.001	0.001	XXX
3	86.2	100.2	2.2	7	06/01/04	1790	5700	<0.001	<0.001	<0.001	<0.001	1250
3	XXX	XXX	XXX	XXX	10/1/04	904	XXX	XXX	XXX	XXX	XXX	XXX
3	XXX	XXX	XXX	XXX	12/30/04	993	XXX	XXX	XXX	XXX	XXX	XXX
3	XXX	XXX	XXX	XXX	02/11/05	797	XXX	XXX	XXX	XXX	XXX	XXX
3	XXX	XXX	XXX	XXX	05/01/05	909	XXX	XXX	XXX	XXX	XXX	XXX
3	XXX	XXX	XXX	XXX	08/30/05	24400	39300	<0.001	<0.001	<0.001	<0.001	797
3	79.52	99.2	3.1	10	11/8/2005	845	1920	<0.001	<0.001	<0.001	<0.001	161
3	78.83	99.2	3.3	10	02/07/06	769	1750	<0.001	<0.001	<0.001	<0.001	157

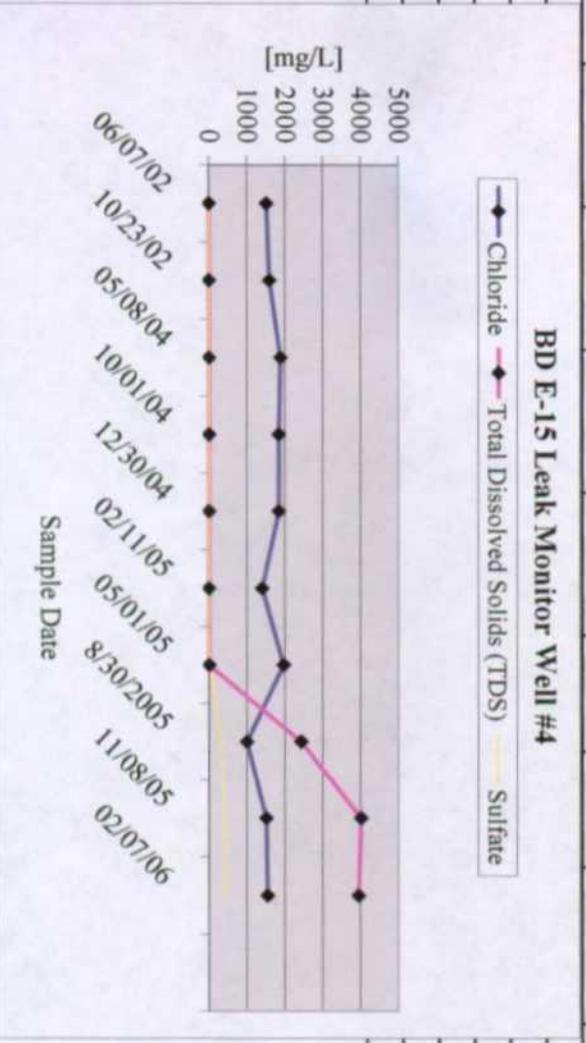
All parameter concentrations are in mg/L.



**BD E-15 Leak**  
Unit 'E', Sec. 15, T22S, R37E

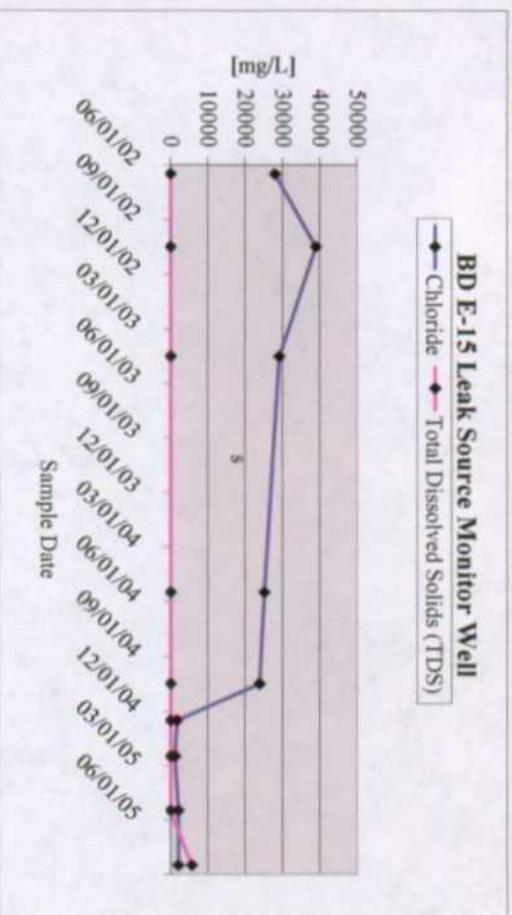
(ft) (gal) All parameter concentrations are in mg/L.

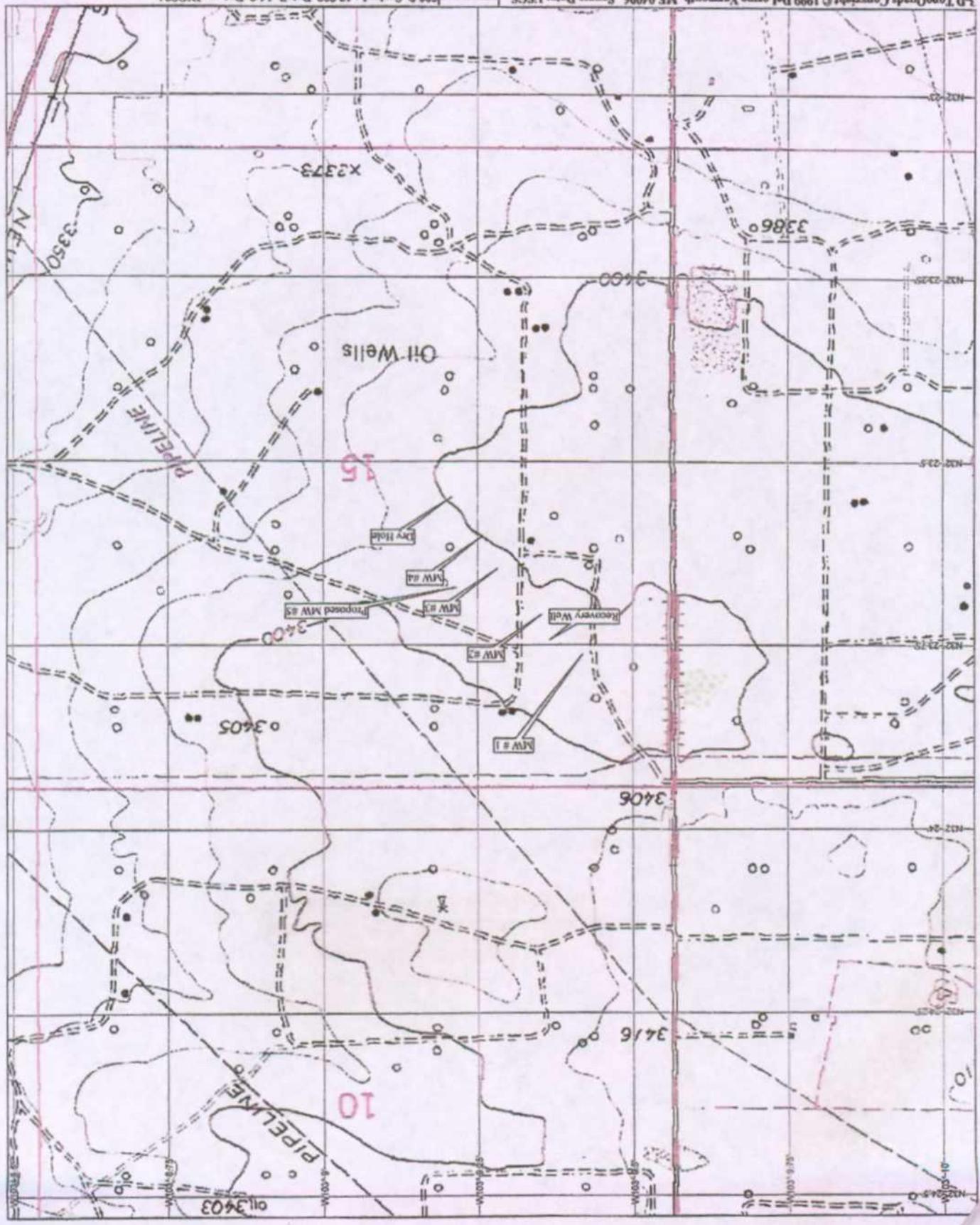
MW #	DEPTH TO WATER	TOTAL DEPTH	WELL VOLUME	VOLUME BAILED	SAMPLE DATE	CL-	TDS	BENZENE	TOLUENE	ETHYL BENZENE	TOTAL XYLENES	Sulfate
4	XXX	XXX	XXX	XXX	06/07/02	1510	XXX	0.004	0.008	0.004	0.053	XXX
4	XXX	XXX	XXX	XXX	10/23/02	1600	XXX	0.004	0.004	0.006	0.106	XXX
4	XXX	XXX	XXX	XXX	05/08/04	1880	XXX	XXX	XXX	XXX	XXX	XXX
4	XXX	XXX	XXX	XXX	10/01/04	1840	XXX	XXX	XXX	XXX	XXX	XXX
4	XXX	XXX	XXX	XXX	12/30/04	1840	XXX	XXX	XXX	XXX	XXX	XXX
4	XXX	XXX	XXX	XXX	02/11/05	1400	XXX	XXX	XXX	XXX	XXX	XXX
4	XXX	XXX	XXX	XXX	05/01/05	1970	XXX	XXX	XXX	XXX	XXX	XXX
4	XXX	XXX	XXX	XXX	8/30/2005	1000	2430	<0.001	<0.001	<0.001	<0.001	328
4	86.21	98.55	2	7	11/08/05	1510	4020	[0.000774]	<0.001	<0.001	<0.001	413
4	85.67	98.55	2.1	7	02/07/06	1550	3950	<0.001	<0.001	<0.001	<0.001	425



**BD E-15 Leak**  
Unit E, Sec. 15, T22S, R37E

MW #	DEPTH TO WATER	TOTAL DEPTH	(ft)		(gal)		SAMPLE DATE	CL-	TDS	All parameter concentrations are in mg/L.					
			WELL VOLUME	VOLUME BAILED	BENZENE	TOLUENE				ETHYL BENZENE	TOTAL XYLENES	Sulfate	COMMENTS		
Source	XXX	XXX	XXX	XXX	XXX	XXX	10/24/02	39000	XXX	0.013	0.016	0.011	0.084	XXX	
Source	XXX	XXX	XXX	XXX	XXX	XXX	06/10/02	28000	XXX	<0.001	<0.001	<0.001	<0.001	XXX	
Source	XXX	XXX	XXX	XXX	XXX	XXX	04/14/03	29200	XXX	XXX	XXX	XXX	XXX	XXX	
Source	XXX	XXX	XXX	XXX	XXX	XXX	05/08/04	25200	XXX	XXX	XXX	XXX	XXX	XXX	
Source	XXX	XXX	XXX	XXX	XXX	XXX	10/01/04	23900	XXX	XXX	XXX	XXX	XXX	XXX	
Source	XXX	XXX	XXX	XXX	XXX	XXX	12/30/04	1680	XXX	<0.001	<0.001	<0.001	<0.001	260	
Source	XXX	XXX	XXX	XXX	XXX	XXX	02/11/05	1180	XXX	XXX	XXX	XXX	XXX	XXX	
Source	XXX	XXX	XXX	XXX	XXX	XXX	05/01/05	2030	XXX	XXX	XXX	XXX	XXX	XXX	
Source	XXX	XXX	XXX	XXX	XXX	XXX	08/30/05	2010	5660	<0.001	<0.001	<0.001	<0.001	695	





Oil Wells

PIPELINE

PIPELINE

15

10

Proposed MW #3

Proposed MW #4

Proposed MW #5

Proposed MW #6

Proposed MW #7

Proposed MW #8

Proposed MW #9

Proposed MW #10

Proposed MW #11

Proposed MW #12

Proposed MW #13

Proposed MW #14

Proposed MW #15

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Proposed MW #272

Proposed MW #273

Proposed MW #274

Proposed MW #275

Proposed MW #276

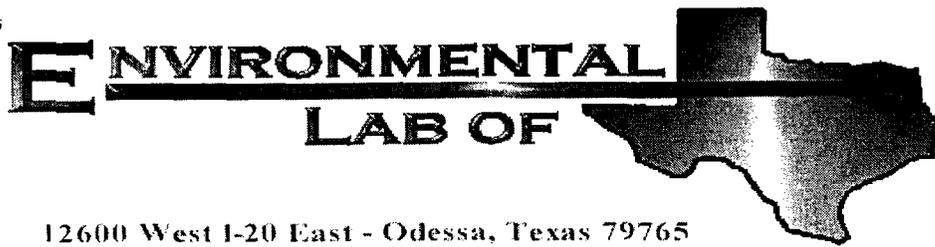
Proposed MW #277

Proposed MW #278

Proposed MW #279

Proposed MW #280

Proposed MW #281



12600 West I-20 East - Odessa, Texas 79765

## Analytical Report

**Prepared for:**

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

Project: BD E-15 Leak  
Project Number: None Given  
Location: Lea County

Lab Order Number: 5K10008

Report Date: 11/18/05

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

Project: BD E-15 Leak  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:  
11/18/05 17:10

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Monitor Well #1	5K10008-01	Water	11/08/05 14:55	11/10/05 13:50
Monitor Well #2	5K10008-02	Water	11/08/05 11:20	11/10/05 13:50
Monitor Well #3	5K10008-03	Water	11/08/05 13:15	11/10/05 13:50
Monitor Well #4	5K10008-04	Water	11/08/05 10:10	11/10/05 13:50

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

Project: BD E-15 Leak  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:  
11/18/05 17:10

**Organics by GC**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Monitor Well #1 (5K10008-01) Water</b>									
Benzene	ND	0.00100	mg/L	1	EK51108	11/11/05	11/14/05	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		82.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		81.2 %	80-120		"	"	"	"	
<b>Monitor Well #2 (5K10008-02) Water</b>									
Benzene	0.00116	0.00100	mg/L	1	EK51108	11/11/05	11/14/05	EPA 8021B	
Toluene	J [0.000814]	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		83.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		80.8 %	80-120		"	"	"	"	
<b>Monitor Well #3 (5K10008-03) Water</b>									
Benzene	ND	0.00100	mg/L	1	EK51108	11/11/05	11/14/05	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		83.2 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		80.8 %	80-120		"	"	"	"	
<b>Monitor Well #4 (5K10008-04) Water</b>									
Benzene	J [0.000774]	0.00100	mg/L	1	EK51108	11/11/05	11/14/05	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		82.3 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92.2 %	80-120		"	"	"	"	

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

Project: BD E-15 Leak  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:  
11/22/05 08:14

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Monitor Well #1 (5K10008-01) Water</b>									
Total Alkalinity	234	4.00	mg/L	2	EK51814	11/18/05	11/18/05	EPA 310.2M	
Chloride	438	10.0	"	20	EK51609	11/15/05	11/16/05	EPA 300.0	
Total Dissolved Solids	1400	5.00	"	1	EK51604	11/14/05	11/15/05	EPA 160.1	
Sulfate	183	10.0	"	20	EK51609	11/15/05	11/16/05	EPA 300.0	
<b>Monitor Well #2 (5K10008-02) Water</b>									
Total Alkalinity	192	4.00	mg/L	2	EK51814	11/18/05	11/18/05	EPA 310.2M	
Chloride	17200	250	"	500	EK51609	11/15/05	11/16/05	EPA 300.0	
Total Dissolved Solids	28600	5.00	"	1	EK51604	11/14/05	11/15/05	EPA 160.1	
Sulfate	1140	250	"	500	EK51609	11/15/05	11/16/05	EPA 300.0	
<b>Monitor Well #3 (5K10008-03) Water</b>									
Total Alkalinity	100	4.00	mg/L	2	EK51814	11/18/05	11/18/05	EPA 310.2M	
Chloride	845	12.5	"	25	EK51609	11/15/05	11/16/05	EPA 300.0	
Total Dissolved Solids	1920	5.00	"	1	EK51604	11/14/05	11/15/05	EPA 160.1	
Sulfate	161	12.5	"	25	EK51609	11/15/05	11/16/05	EPA 300.0	
<b>Monitor Well #4 (5K10008-04) Water</b>									
Total Alkalinity	104	4.00	mg/L	2	EK51814	11/18/05	11/18/05	EPA 310.2M	
Chloride	1510	25.0	"	50	EK51609	11/15/05	11/16/05	EPA 300.0	
Total Dissolved Solids	4020	5.00	"	1	EK51604	11/14/05	11/15/05	EPA 160.1	
Sulfate	413	25.0	"	50	EK51609	11/15/05	11/16/05	EPA 300.0	

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

Project: BD E-15 Leak  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:  
11/18/05 17:10

**Total Metals by EPA / Standard Methods  
Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Monitor Well #1 (5K10008-01) Water</b>									
Calcium	111	0.500	mg/L	50	EK51606	11/15/05	11/15/05	EPA 6010B	
Magnesium	74.4	0.0500	"	"	"	"	"	"	
Potassium	9.85	0.500	"	10	"	"	"	"	
Sodium	163	0.500	"	50	"	"	"	"	
<b>Monitor Well #2 (5K10008-02) Water</b>									
Calcium	2610	10.0	mg/L	1000	EK51606	11/15/05	11/15/05	EPA 6010B	
Magnesium	995	0.200	"	200	"	"	"	"	
Potassium	114	2.50	"	50	"	"	"	"	
Sodium	5500	50.0	"	5000	"	"	"	"	
<b>Monitor Well #3 (5K10008-03) Water</b>									
Calcium	144	0.500	mg/L	50	EK51606	11/15/05	11/15/05	EPA 6010B	
Magnesium	110	0.0500	"	"	"	"	"	"	
Potassium	12.9	0.500	"	10	"	"	"	"	
Sodium	139	0.500	"	50	"	"	"	"	
<b>Monitor Well #4 (5K10008-04) Water</b>									
Calcium	370	0.500	mg/L	50	EK51606	11/15/05	11/15/05	EPA 6010B	
Magnesium	232	0.0500	"	"	"	"	"	"	
Potassium	18.5	0.500	"	10	"	"	"	"	
Sodium	236	2.00	"	200	"	"	"	"	

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

Project: BD E-15 Leak  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:  
11/18/05 17:10

**Organics by GC - Quality Control**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch EK51108 - EPA 5030C (GC)**

**Blank (EK51108-BLK1)**

Prepared: 11/11/05 Analyzed: 11/13/05

Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00100	"							
Xylene (o)	ND	0.00100	"							
Surrogate: a,a,a-Trifluorotoluene	0.0342		"	0.0400		85.5	80-120			
Surrogate: 4-Bromofluorobenzene	0.0321		"	0.0400		80.2	80-120			

**LCS (EK51108-BS1)**

Prepared: 11/11/05 Analyzed: 11/13/05

Benzene	0.0522	0.00100	mg/L	0.0500		104	80-120			
Toluene	0.0550	0.00100	"	0.0500		110	80-120			
Ethylbenzene	0.0546	0.00100	"	0.0500		109	80-120			
Xylene (p/m)	0.0998	0.00100	"	0.100		99.8	80-120			
Xylene (o)	0.0549	0.00100	"	0.0500		110	80-120			
Surrogate: a,a,a-Trifluorotoluene	0.0354		"	0.0400		88.5	80-120			
Surrogate: 4-Bromofluorobenzene	0.0370		"	0.0400		92.5	80-120			

**Calibration Check (EK51108-CCV1)**

Prepared: 11/11/05 Analyzed: 11/14/05

Benzene	47.8		ug/l	50.0		95.6	80-120			
Toluene	49.4		"	50.0		98.8	80-120			
Ethylbenzene	48.6		"	50.0		97.2	80-120			
Xylene (p/m)	88.7		"	100		88.7	80-120			
Xylene (o)	49.8		"	50.0		99.6	80-120			
Surrogate: a,a,a-Trifluorotoluene	0.0331		mg/L	0.0400		82.8	80-120			
Surrogate: 4-Bromofluorobenzene	0.0360		"	0.0400		90.0	80-120			

**Matrix Spike (EK51108-MS1)**

Source: 5K11009-01

Prepared: 11/11/05 Analyzed: 11/14/05

Benzene	0.0485	0.00100	mg/L	0.0500	ND	97.0	80-120			
Toluene	0.0496	0.00100	"	0.0500	ND	99.2	80-120			
Ethylbenzene	0.0497	0.00100	"	0.0500	ND	99.4	80-120			
Xylene (p/m)	0.0896	0.00100	"	0.100	ND	89.6	80-120			
Xylene (o)	0.0508	0.00100	"	0.0500	ND	102	80-120			
Surrogate: a,a,a-Trifluorotoluene	0.0328		"	0.0400		82.0	80-120			
Surrogate: 4-Bromofluorobenzene	0.0392		"	0.0400		98.0	80-120			

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

Project: BD E-15 Leak  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:  
11/18/05 17:10

**Organics by GC - Quality Control**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch EK51108 - EPA 5030C (GC)**

**Matrix Spike Dup (EK51108-MSD1)**

Source: 5K11009-01

Prepared: 11/11/05

Analyzed: 11/14/05

Benzene	0.0490	0.00100	mg/L	0.0500	ND	98.0	80-120	1.03	20	
Toluene	0.0514	0.00100	"	0.0500	ND	103	80-120	3.76	20	
Ethylbenzene	0.0514	0.00100	"	0.0500	ND	103	80-120	3.56	20	
Xylene (p/m)	0.0919	0.00100	"	0.100	ND	91.9	80-120	2.53	20	
Xylene (o)	0.0521	0.00100	"	0.0500	ND	104	80-120	1.94	20	
Surrogate: a,a,a-Trifluorotoluene	0.0321		"	0.0400		80.2	80-120			
Surrogate: 4-Bromofluorobenzene	0.0408		"	0.0400		102	80-120			

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

Project: BD E-15 Leak  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:  
11/18/05 17:10

**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
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**Batch EK51604 - General Preparation (WetChem)**

**Blank (EK51604-BLK1)** Prepared: 11/14/05 Analyzed: 11/15/05

Total Dissolved Solids ND 5.00 mg/L

**Duplicate (EK51604-DUP1)** Source: 5K10007-01 Prepared: 11/14/05 Analyzed: 11/15/05

Total Dissolved Solids 1060 5.00 mg/L 1020 3.85 5

**Batch EK51609 - General Preparation (WetChem)**

**Blank (EK51609-BLK1)** Prepared: 11/15/05 Analyzed: 11/16/05

Sulfate ND 0.500 mg/L

Chloride ND 0.500 "

**LCS (EK51609-BS1)** Prepared: 11/15/05 Analyzed: 11/16/05

Chloride 8.47 mg/L 10.0 84.7 80-120

Sulfate 9.44 " 10.0 94.4 80-120

**Calibration Check (EK51609-CCV1)** Prepared: 11/15/05 Analyzed: 11/16/05

Sulfate 9.63 mg/L 10.0 96.3 80-120

Chloride 8.39 " 10.0 83.9 80-120

**Duplicate (EK51609-DUP1)** Source: 5K10007-01 Prepared: 11/15/05 Analyzed: 11/16/05

Sulfate 194 10.0 mg/L 197 1.53 20

Chloride 228 10.0 " 233 2.17 20

**Batch EK51814 - General Preparation (WetChem)**

**Blank (EK51814-BLK1)** Prepared & Analyzed: 11/18/05

Total Alkalinity ND 2.00 mg/L

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

Project: BD E-15 Leak  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:  
11/18/05 17:10

**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
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**Batch EK51814 - General Preparation (WetChem)**

<b>Duplicate (EK51814-DUP1)</b>		<b>Source: 5K10007-01</b>		<b>Prepared &amp; Analyzed: 11/18/05</b>						
Total Alkalinity	166	4.00	mg/L		168			1.20	20	
<b>Reference (EK51814-SRM1)</b>		<b>Prepared &amp; Analyzed: 11/18/05</b>								
Bicarbonate Alkalinity	229		mg/L	200		114	80-120			

**Total Metals 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
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**Batch EK51606 - 6010B/No Digestion**

<b>Blank (EK51606-BLK1)</b>				Prepared & Analyzed: 11/15/05						
Calcium	ND	0.0100	mg/L							
Magnesium	ND	0.00100	"							
Potassium	ND	0.0500	"							
Sodium	ND	0.0100	"							

<b>Calibration Check (EK51606-CCV1)</b>				Prepared & Analyzed: 11/15/05						
Calcium	1.85		mg/L	2.00		92.5	85-115			
Magnesium	1.91		"	2.00		95.5	85-115			
Potassium	2.01		"	2.00		100	85-115			
Sodium	1.83		"	2.00		91.5	85-115			

<b>Duplicate (EK51606-DUP1)</b>				<b>Source: 5K10003-01</b>		Prepared & Analyzed: 11/15/05				
Calcium	73.5	0.100	mg/L		75.6			2.82	20	
Magnesium	39.0	0.0100	"		37.0			5.26	20	
Potassium	9.81	0.500	"		9.50			3.21	20	
Sodium	223	0.500	"		231			3.52	20	

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

Project: BD E-15 Leak  
Project Number: None Given  
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:  
11/18/05 17:10

### Notes and Definitions

DET 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:

11-18-05

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 Op.

Date/Time: 11/10/05 1:50

Order #: SK10008

Initials: CK

**Sample Receipt Checklist**

	Yes	No	
Temperature of container/cooler?			-1.5 C
Shipping container/cooler in good condition?	<input checked="" type="checkbox"/>	No	
Custody Seals intact on shipping container/cooler?	<input checked="" type="checkbox"/>	No	Not present
Custody Seals intact on sample bottles?	<input checked="" type="checkbox"/>	No	Not present
Chain of custody present?	<input checked="" type="checkbox"/>	No	
Sample Instructions complete on Chain of Custody?	<input checked="" type="checkbox"/>	No	
Chain of Custody signed when relinquished and received?	<input checked="" type="checkbox"/>	No	
Chain of custody agrees with sample label(s)	<input checked="" type="checkbox"/>	No	
Container labels legible and intact?	<input checked="" type="checkbox"/>	No	
Sample Matrix and properties same as on chain of custody?	<input checked="" type="checkbox"/>	No	
Samples in proper container/bottle?	<input checked="" type="checkbox"/>	No	
Samples properly preserved?	<input checked="" type="checkbox"/>	No	
Sample bottles intact?	<input checked="" type="checkbox"/>	No	
Preservations documented on Chain of Custody?	<input checked="" type="checkbox"/>	No	
Containers documented on Chain of Custody?	<input checked="" type="checkbox"/>	No	
Sufficient sample amount for indicated test?	<input checked="" type="checkbox"/>	No	
All samples received within sufficient hold time?	<input checked="" type="checkbox"/>	No	
VOC samples have zero headspace?	<input checked="" type="checkbox"/>	No	Not Applicable

Other observations:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

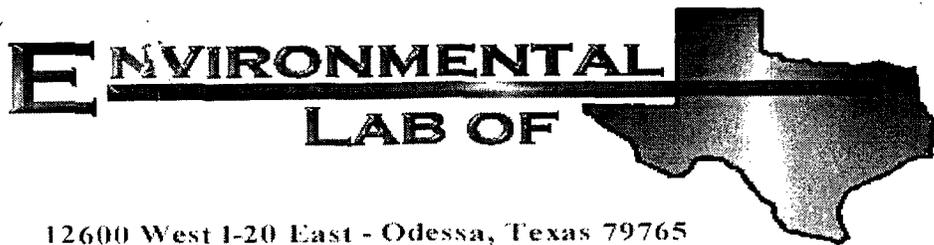
**Variance Documentation:**

Contact Person: - \_\_\_\_\_ Date/Time: \_\_\_\_\_ Contacted by: \_\_\_\_\_  
 Regarding: \_\_\_\_\_

\_\_\_\_\_  
 \_\_\_\_\_

Corrective Action Taken:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



12600 West I-20 East - Odessa, Texas 79765

## Analytical Report

Prepared for:

Mike Griffin

WHOLE EARTH ENVIRONMENTAL

2103 Arbor Cove

Katy, TX 77494

BD leak

Project: E-15

Project Number: None Given

Location: Eunice, NM

Lab Order Number: 5H30014

Report Date: 09/07/05

WHOLE EARTH ENVIRONMENTAL  
2103 Arbor Cove  
Katy TX, 77494

Project: E-15  
Project Number: None Given  
Project Manager: Mike Griffin

Fax: (281) 394-2051  
Reported:  
09/07/05 12:19

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Queto Northwest (2)	5H30014-01	Water	08/30/05 08:05	08/30/05 15:22
Queto Source Well (1)	5H30014-02	Water	08/30/05 08:24	08/30/05 15:22
Pit Center (3)	5H30014-03	Water	08/30/05 08:42	08/30/05 15:22
Mid Southeast (4)	5H30014-04	Water	08/30/05 09:12	08/30/05 15:22
Far Southeast	5H30014-05	Water	08/30/05 09:20	08/30/05 15:22

WHOLE EARTH ENVIRONMENTAL  
2103 Arbor Cove  
Katy TX, 77494

Project: E-15  
Project Number: None Given  
Project Manager: Mike Griffin

Fax: (281) 394-2051

Reported:  
09/07/05 12:19

**Organics by GC  
Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Queto Northwest (2) (5H30014-01) Water</b>									
Benzene	ND	0.00100	mg/L	1	EI50105	09/01/05	09/01/05	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		88.6 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		81.3 %	80-120		"	"	"	"	
<b>Queto Source Well (1) (5H30014-02) Water</b>									
Benzene	ND	0.00100	mg/L	1	EI50105	09/01/05	09/01/05	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		89.8 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		82.6 %	80-120		"	"	"	"	
<b>Pit Center (3) (5H30014-03) Water</b>									
Benzene	ND	0.00100	mg/L	1	EI50105	09/01/05	09/01/05	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		84.2 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		85.7 %	80-120		"	"	"	"	
<b>Mid Southeast (4) (5H30014-04) Water</b>									
Benzene	ND	0.00100	mg/L	1	EI50105	09/01/05	09/01/05	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		93.0 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		91.3 %	80-120		"	"	"	"	

WHOLE EARTH ENVIRONMENTAL  
2103 Arbor Cove  
Katy TX, 77494

Project: E-15  
Project Number: None Given  
Project Manager: Mike Griffin

Fax: (281) 394-2051

Reported:  
09/07/05 12:19

**Organics by GC**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Far Southeast (5H30014-05) Water</b>									
Benzene	ND	0.00100	mg/L	1	EI50105	09/01/05	09/01/05	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		91.3 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		89.8 %	80-120		"	"	"	"	

WHOLE EARTH ENVIRONMENTAL  
2103 Arbor Cove  
Katy TX, 77494

Project: E-15  
Project Number: None Given  
Project Manager: Mike Griffin

Fax: (281) 394-2051

Reported:  
09/07/05 12:19

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Queto Northwest (2) (5H30014-01) Water</b>									
Carbonate Alkalinity	ND	0.100	mg/L	1	EI50101	08/31/05	08/31/05	EPA 310.2M	
Bicarbonate Alkalinity	217	2.00	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	
Chloride	676	10.0	"	20	EH53109	08/31/05	08/31/05	EPA 300.0	
Total Dissolved Solids	1810	5.00	"	1	EI50208	08/31/05	08/31/05	EPA 160.1	
Sulfate	229	10.0	"	20	EH53109	08/31/05	08/31/05	EPA 300.0	
<b>Queto Source Well (1) (5H30014-02) Water</b>									
Carbonate Alkalinity	ND	0.100	mg/L	1	EI50101	08/31/05	08/31/05	EPA 310.2M	
Bicarbonate Alkalinity	316	2.00	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	
Chloride	1760	25.0	"	50	EH53109	08/31/05	08/31/05	EPA 300.0	
Total Dissolved Solids	3350	5.00	"	1	EI50208	08/31/05	08/31/05	EPA 160.1	
Sulfate	215	25.0	"	50	EH53109	08/31/05	08/31/05	EPA 300.0	
<b>Pit Center (3) (5H30014-03) Water</b>									
Carbonate Alkalinity	ND	0.100	mg/L	1	EI50101	08/31/05	08/31/05	EPA 310.2M	
Bicarbonate Alkalinity	195	2.00	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	
Chloride	24400	250	"	500	EH53109	08/31/05	08/31/05	EPA 300.0	
Total Dissolved Solids	39300	5.00	"	1	EI50208	08/31/05	08/31/05	EPA 160.1	
Sulfate	797	25.0	"	50	EH53109	08/31/05	08/31/05	EPA 300.0	
<b>Mid Southeast (4) (5H30014-04) Water</b>									
Carbonate Alkalinity	ND	0.100	mg/L	1	EI50101	08/31/05	08/31/05	EPA 310.2M	
Bicarbonate Alkalinity	118	2.00	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	
Chloride	1000	12.5	"	25	EH53109	08/31/05	08/31/05	EPA 300.0	
Total Dissolved Solids	2430	5.00	"	1	EI50208	08/31/05	08/31/05	EPA 160.1	
Sulfate	328	12.5	"	25	EH53109	08/31/05	08/31/05	EPA 300.0	

WHOLE EARTH ENVIRONMENTAL  
2103 Arbor Cove  
Katy TX, 77494

Project: E-15  
Project Number: None Given  
Project Manager: Mike Griffin

Fax: (281) 394-2051

Reported:  
09/12/05 16:16

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Far Southeast (5H30014-05) Water</b>									
Carbonate Alkalinity	ND	0.100	mg/L	1	EI50101	08/31/05	08/31/05	EPA 310.2M	
<b>Bicarbonate Alkalinity</b>	<b>116</b>	2.00	"	"	"	"	"	"	
Hydroxide Alkalinity	ND	0.100	"	"	"	"	"	"	
<b>Chloride</b>	<b>2010</b>	20.0	"	40	EH53109	08/31/05	08/31/05	EPA 300.0	
<b>Total Dissolved Solids</b>	<b>5660</b>	5.00	"	1	EI50208	08/31/05	08/31/05	EPA 160.1	
<b>Sulfate</b>	<b>695</b>	20.0	"	40	EH53109	08/31/05	08/31/05	EPA 300.0	

WHOLE EARTH ENVIRONMENTAL  
 2103 Arbor Cove  
 Katy TX, 77494

Project: E-15  
 Project Number: None Given  
 Project Manager: Mike Griffin

Fax: (281) 394-2051

Reported:  
 09/12/05 16:16

**Total Metals by EPA / Standard Methods  
 Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Queto Northwest (2) (5H30014-01) Water</b>									
Calcium	195	0.500	mg/L	50	EI50708	09/06/05	09/06/05	EPA 6010B	
Magnesium	126	0.0500	"	"	"	"	"	"	
Potassium	13.6	0.500	"	10	"	"	"	"	
Sodium	204	0.500	"	50	"	"	"	"	
<b>Queto Source Well (1) (5H30014-02) Water</b>									
Calcium	115	0.500	mg/L	50	EI50708	09/06/05	09/06/05	EPA 6010B	
Magnesium	82.4	0.0500	"	"	"	"	"	"	
Potassium	31.2	0.500	"	10	"	"	"	"	
Sodium	1140	2.00	"	200	"	"	"	"	
<b>Pit Center (3) (5H30014-03) Water</b>									
Calcium	3150	20.0	mg/L	2000	EI50708	09/06/05	09/06/05	EPA 6010B	
Magnesium	1240	0.400	"	400	"	"	"	"	
Potassium	158	2.50	"	50	"	"	"	"	
Sodium	10900	20.0	"	2000	"	"	"	"	
<b>Mid Southeast (4) (5H30014-04) Water</b>									
Calcium	214	0.500	mg/L	50	EI50708	09/06/05	09/06/05	EPA 6010B	
Magnesium	147	0.0500	"	"	"	"	"	"	
Potassium	14.3	0.500	"	10	"	"	"	"	
Sodium	169	0.500	"	50	"	"	"	"	
<b>Far Southeast (5H30014-05) Water</b>									
Calcium	849	4.00	mg/L	400	EI50708	09/06/05	09/06/05	EPA 6010B	
Magnesium	451	0.200	"	200	"	"	"	"	
Potassium	23.2	0.500	"	10	"	"	"	"	
Sodium	454	4.00	"	400	"	"	"	"	

WHOLE EARTH ENVIRONMENTAL  
2103 Arbor Cove  
Katy TX, 77494

Project: E-15  
Project Number: None Given  
Project Manager: Mike Griffin

Fax: (281) 394-2051

Reported:  
09/07/05 12:19

**Organics by GC - Quality Control**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch EI50105 - EPA 5030C (GC)**

**Blank (EI50105-BLK1)**

Prepared & Analyzed: 09/01/05

Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00100	"							
Xylene (o)	ND	0.00100	"							
Surrogate: a,a,a-Trifluorotoluene	92.2		ug/l	100		92.2	80-120			
Surrogate: 4-Bromofluorobenzene	81.2		"	100		81.2	80-120			

**LCS (EI50105-BS1)**

Prepared & Analyzed: 09/01/05

Benzene	80.9		ug/l	100		80.9	80-120			
Toluene	82.0		"	100		82.0	80-120			
Ethylbenzene	94.1		"	100		94.1	80-120			
Xylene (p/m)	185		"	200		92.5	80-120			
Xylene (o)	97.3		"	100		97.3	80-120			
Surrogate: a,a,a-Trifluorotoluene	101		"	100		101	80-120			
Surrogate: 4-Bromofluorobenzene	104		"	100		104	80-120			

**Calibration Check (EI50105-CCV1)**

Prepared & Analyzed: 09/01/05

Benzene	84.5		ug/l	100		84.5	80-120			
Toluene	82.2		"	100		82.2	80-120			
Ethylbenzene	89.0		"	100		89.0	80-120			
Xylene (p/m)	176		"	200		88.0	80-120			
Xylene (o)	89.6		"	100		89.6	80-120			
Surrogate: a,a,a-Trifluorotoluene	105		"	100		105	80-120			
Surrogate: 4-Bromofluorobenzene	106		"	100		106	80-120			

**Matrix Spike (EI50105-MS1)**

Source: 5H30013-01

Prepared: 09/01/05 Analyzed: 09/02/05

Benzene	83.3		ug/l	100	ND	83.3	80-120			
Toluene	83.4		"	100	ND	83.4	80-120			
Ethylbenzene	95.5		"	100	ND	95.5	80-120			
Xylene (p/m)	187		"	200	ND	93.5	80-120			
Xylene (o)	97.7		"	100	ND	97.7	80-120			
Surrogate: a,a,a-Trifluorotoluene	103		"	100		103	80-120			
Surrogate: 4-Bromofluorobenzene	110		"	100		110	80-120			

WHOLE EARTH ENVIRONMENTAL  
2103 Arbor Cove  
Katy TX, 77494

Project: E-15  
Project Number: None Given  
Project Manager: Mike Griffin

Fax: (281) 394-2051

Reported:  
09/07/05 12:19

**Organics by GC - Quality Control**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch EI50105 - EPA 5030C (GC)**

**Matrix Spike Dup (EI50105-MSD1)**

Source: 5H30013-01

Prepared: 09/01/05

Analyzed: 09/02/05

Benzene	82.3		ug/l	100	ND	82.3	80-120	1.21	20	
Toluene	84.0		"	100	ND	84.0	80-120	0.717	20	
Ethylbenzene	98.7		"	100	ND	98.7	80-120	3.30	20	
Xylene (p/m)	194		"	200	ND	97.0	80-120	3.67	20	
Xylene (o)	103		"	100	ND	103	80-120	5.28	20	
Surrogate: a,a,a-Trifluorotoluene	100		"	100		100	80-120			
Surrogate: 4-Bromofluorobenzene	112		"	100		112	80-120			

WHOLE EARTH ENVIRONMENTAL  
 2103 Arbor Cove  
 Katy TX, 77494

Project: E-15  
 Project Number: None Given  
 Project Manager: Mike Griffin

Fax: (281) 394-2051

Reported:  
 09/07/05 12:19

**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
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**Batch EH53109 - General Preparation (WetChem)**

<b>Blank (EH53109-BLK1)</b>										
Prepared & Analyzed: 08/31/05										
Sulfate	ND	0.500	mg/L							
Chloride	ND	0.500	"							
<b>LCS (EH53109-BS1)</b>										
Prepared & Analyzed: 08/31/05										
Chloride	9.62		mg/L	10.0		96.2	80-120			
Sulfate	8.52		"	10.0		85.2	80-120			
<b>Calibration Check (EH53109-CCV1)</b>										
Prepared & Analyzed: 08/31/05										
Chloride	9.02		mg/L	10.0		90.2	80-120			
Sulfate	8.42		"	10.0		84.2	80-120			
<b>Duplicate (EH53109-DUP1)</b>										
Source: 5H30012-01										
Prepared & Analyzed: 08/31/05										
Chloride	2330	25.0	mg/L		2380			2.12	20	
Sulfate	2120	25.0	"		2170			2.33	20	

**Batch EI50101 - General Preparation (WetChem)**

<b>Blank (EI50101-BLK1)</b>										
Prepared & Analyzed: 08/31/05										
Total Alkalinity	ND	2.00	mg/L							
<b>Duplicate (EI50101-DUP1)</b>										
Source: 5H30013-01										
Prepared & Analyzed: 08/31/05										
Carbonate Alkalinity	0.00	0.100	mg/L		0.00				20	
Bicarbonate Alkalinity	249	2.00	"		248			0.402	20	
Hydroxide Alkalinity	0.00	0.100	"		0.00				20	
<b>Reference (EI50101-SRM1)</b>										
Prepared & Analyzed: 08/31/05										
Bicarbonate Alkalinity	230		mg/L	200		115	80-120			

WHOLE EARTH ENVIRONMENTAL  
2103 Arbor Cove  
Katy TX, 77494

Project: E-15  
Project Number: None Given  
Project Manager: Mike Griffin

Fax: (281) 394-2051

Reported:  
09/07/05 12:19

**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
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**Batch EI50208 - General Preparation (WetChem)**

**Blank (EI50208-BLK1)**

Prepared & Analyzed: 08/31/05

Total Dissolved Solids      ND      5.00      mg/L

**Duplicate (EI50208-DUP1)**

Source: 5H30012-01

Prepared & Analyzed: 08/31/05

Total Dissolved Solids      3870      5.00      mg/L      3830      1.04      5

WHOLE EARTH ENVIRONMENTAL  
 2103 Arbor Cove  
 Katy TX, 77494

Project: E-15  
 Project Number: None Given  
 Project Manager: Mike Griffin

Fax: (281) 394-2051

Reported:  
 09/07/05 12:19

**Total Metals 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
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**Batch EI50708 - 6010B/No Digestion**

**Blank (EI50708-BLK1)**

Prepared & Analyzed: 09/06/05

Calcium	ND	0.0100	mg/L							
Magnesium	ND	0.00100	"							
Potassium	ND	0.0500	"							
Sodium	ND	0.0100	"							

**Calibration Check (EI50708-CCV1)**

Prepared & Analyzed: 09/06/05

Calcium	2.14		mg/L	2.00		107	85-115			
Magnesium	2.19		"	2.00		110	85-115			
Potassium	1.77		"	2.00		88.5	85-115			
Sodium	1.86		"	2.00		93.0	85-115			

**Duplicate (EI50708-DUP1)**

Source: 5H18012-01

Prepared & Analyzed: 09/06/05

Calcium	19.4	0.100	mg/L		19.8			2.04	20	
Magnesium	22.1	0.0100	"		23.2			4.86	20	
Potassium	22.4	0.500	"		23.3			3.94	20	
Sodium	51.3	0.100	"		51.0			0.587	20	

WHOLE EARTH ENVIRONMENTAL  
2103 Arbor Cove  
Katy TX, 77494

Project: E-15  
Project Number: None Given  
Project Manager: Mike Griffin

Fax: (281) 394-2051

Reported:  
09/07/05 12:19

### Notes and Definitions

DET 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: 9-12-05

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: Whole Earth

Date/Time: 8/30/05

Order #: 5H30014

Initials: CR

### Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	0.0	C
Shipping container/cooler in good condition?	<input checked="" type="checkbox"/>	No		
Custody Seals intact on shipping container/cooler?	Yes	No	<del>Not present</del>	
Custody Seals intact on sample bottles?	<input checked="" type="checkbox"/>	No	Not present	
Chain of custody present?	<input checked="" type="checkbox"/>	No		
Sample Instructions complete on Chain of Custody?	<input checked="" type="checkbox"/>	No		
Chain of Custody signed when relinquished and received?	<input checked="" type="checkbox"/>	No		
Chain of custody agrees with sample label(s)	Yes	No	ID on bottle	
Container labels legible and intact?	Yes	No	n/a	
Sample Matrix and properties same as on chain of custody?	<input checked="" type="checkbox"/>	No		
Samples in proper container/bottle?	<input checked="" type="checkbox"/>	No		
Samples properly preserved?	<input checked="" type="checkbox"/>	No		
Sample bottles intact?	<input checked="" type="checkbox"/>	No		
Preservations documented on Chain of Custody?	<input checked="" type="checkbox"/>	No		
Containers documented on Chain of Custody?	<input checked="" type="checkbox"/>	No		
Sufficient sample amount for indicated test?	<input checked="" type="checkbox"/>	No		
All samples received within sufficient hold time?	<input checked="" type="checkbox"/>	No		
VOC samples have zero headspace?	<input checked="" type="checkbox"/>	No	<del>Not Applicable</del>	

VDA

1L-poly

Other observations:

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### Variance Documentation:

Contact Person: - \_\_\_\_\_ Date/Time: \_\_\_\_\_ Contacted by: \_\_\_\_\_  
 Regarding: \_\_\_\_\_

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Corrective Action Taken:

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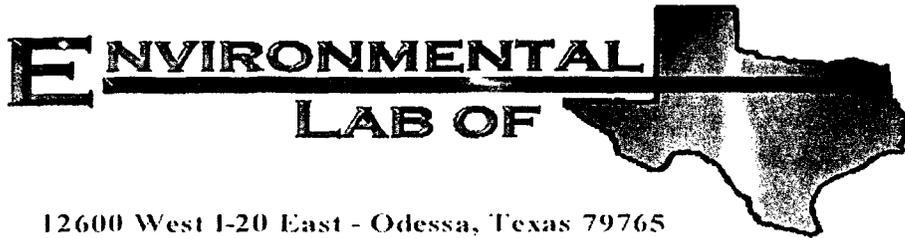
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12600 West I-20 East - Odessa, Texas 79765

## Analytical Report

**Prepared for:**

Mike Griffin

WHOLE EARTH ENVIRONMENTAL

2103 Arbor Cove

Katy, TX 77494

Project: E-15

Project Number: None Given

Location: Eunice, NM

Lab Order Number: 5E02019

Report Date: 05/05/05

WHOLE EARTH ENVIRONMENTAL  
2103 Arbor Cove  
Katy TX, 77494

Project: E-15  
Project Number: None Given  
Project Manager: Mike Griffin

Fax: (281) 394-2051

**Reported:**  
05/05/05 12:51

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Source Well (1)	5E02019-01	Water	05/01/05 08:24	05/02/05 14:45
MW-1	5E02019-02	Water	05/01/05 08:43	05/02/05 14:45
MW-2	5E02019-03	Water	05/01/05 09:02	05/02/05 14:45
MW-3	5E02019-04	Water	05/01/05 09:26	05/02/05 14:45
MW-4	5E02019-05	Water	05/01/05 09:50	05/02/05 14:45

WHOLE EARTH ENVIRONMENTAL  
2103 Arbor Cove  
Katy TX, 77494

Project: E-15  
Project Number: None Given  
Project Manager: Mike Griffin

Fax: (281) 394-2051

Reported:  
05/05/05 12:51

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Source Well (1) (5E02019-01) Water</b>									
Chloride	2030	25.0	mg/L	50	EE50408	05/03/05	05/03/05	EPA 300.0	
<b>MW-1 (5E02019-02) Water</b>									
Chloride	512	12.5	mg/L	25	EE50408	05/03/05	05/03/05	EPA 300.0	
<b>MW-2 (5E02019-03) Water</b>									
Chloride	23900	1250	mg/L	2500	EE50408	05/03/05	05/03/05	EPA 300.0	
<b>MW-3 (5E02019-04) Water</b>									
Chloride	909	12.5	mg/L	25	EE50408	05/03/05	05/03/05	EPA 300.0	
<b>MW-4 (5E02019-05) Water</b>									
Chloride	1970	25.0	mg/L	50	EE50408	05/03/05	05/03/05	EPA 300.0	

Environmental Lab of Texas

*The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.*

Page 2 of 4

WHOLE EARTH ENVIRONMENTAL  
2103 Arbor Cove  
Katy TX, 77494

Project: E-15  
Project Number: None Given  
Project Manager: Mike Griffin

Fax: (281) 394-2051

Reported:  
05/05/05 12:51

**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
<b>Batch EE50408 - General Preparation (WetChem)</b>										
<b>Blank (EE50408-BLK1)</b>				Prepared & Analyzed: 05/03/05						
Chloride	ND	0.500	mg/L							
<b>LCS (EE50408-BS1)</b>				Prepared & Analyzed: 05/03/05						
Chloride	10.7		mg/L	10.0		107	80-120			
<b>Calibration Check (EE50408-CCV1)</b>				Prepared & Analyzed: 05/03/05						
Chloride	10.2		mg/L	10.0		102	80-120			
<b>Duplicate (EE50408-DUP1)</b>		<b>Source: 5E02018-01</b>			Prepared & Analyzed: 05/03/05					
Chloride	1020	25.0	mg/L		1030			0.976	20	

WHOLE EARTH ENVIRONMENTAL  
2103 Arbor Cove  
Katy TX, 77494

Project: E-15  
Project Number: None Given  
Project Manager: Mike Griffin

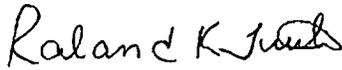
Fax: (281) 394-2051

Reported:  
05/05/05 12:51

### Notes and Definitions

DET 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:



Date: 5/5/2005

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

Jeanne Mc Murrey, Inorg. Tech Director  
James L. Hawkins, Chemist/Geologist  
Sandra Sanchez, Lab Tech.

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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: Whole Earth Env.  
 Date/Time: 5/2/05 3:00  
 Order #: 5E02019  
 Initials: CK

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	
Shipping container/cooler in good condition?	<input checked="" type="checkbox"/>	No	1.5 C
Custody Seals intact on shipping container/cooler?	<input checked="" type="checkbox"/>	No	Not present
Custody Seals intact on sample bottles?	<input checked="" type="checkbox"/>	No	Not present
Chain of custody present?	<input checked="" type="checkbox"/>	No	
Sample Instructions complete on Chain of Custody?	<input checked="" type="checkbox"/>	No	
Chain of Custody signed when relinquished and received?	<input checked="" type="checkbox"/>	No	
Chain of custody agrees with sample label(s)	<input checked="" type="checkbox"/>	No	
Container labels legible and intact?	<input checked="" type="checkbox"/>	No	
Sample Matrix and properties same as on chain of custody?	<input checked="" type="checkbox"/>	No	
Samples in proper container/bottle?	<input checked="" type="checkbox"/>	No	
Samples properly preserved?	<input checked="" type="checkbox"/>	No	
Sample bottles intact?	<input checked="" type="checkbox"/>	No	
Preservations documented on Chain of Custody?	<input checked="" type="checkbox"/>	No	
Containers documented on Chain of Custody?	<input checked="" type="checkbox"/>	No	
Sufficient sample amount for indicated test?	<input checked="" type="checkbox"/>	No	
All samples received within sufficient hold time?	<input checked="" type="checkbox"/>	No	
VOC samples have zero headspace?	<input checked="" type="checkbox"/>	No	No: Applicable

Other observations:

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Variance Documentation:

Contact Person: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Contacted by: \_\_\_\_\_  
 Regarding: \_\_\_\_\_

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Corrective Action Taken:

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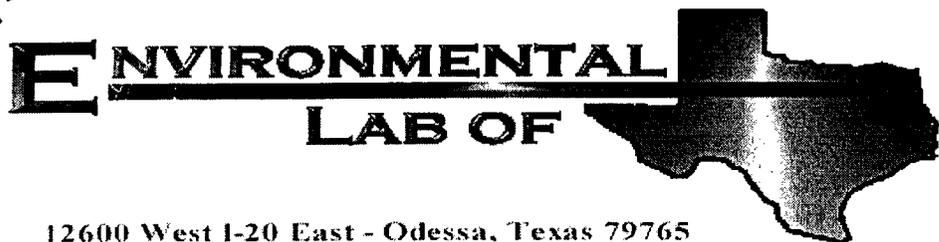
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12600 West I-20 East - Odessa, Texas 79765

# Analytical Report

**Prepared for:**

Mike Griffin

WHOLE EARTH ENVIRONMENTAL

2103 Arbor Cove

Katy, TX 77494

Project: E-15

Project Number: None Given

Location: Eunice

Lab Order Number: 5B17007

Report Date: 02/21/05

WHOLE EARTH ENVIRONMENTAL  
2103 Arbor Cove  
Katy TX, 77494

Project: E-15  
Project Number: None Given  
Project Manager: Mike Griffin

Fax: (281) 394-2051

Reported:  
02/21/05 16:41

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	5B17007-01	Water	02/11/05 00:00	02/17/05 09:00
MW-2	5B17007-02	Water	02/11/05 00:00	02/17/05 09:00
MW-3	5B17007-03	Water	02/11/05 00:00	02/17/05 09:00
MW-4	5B17007-04	Water	02/11/05 00:00	02/17/05 09:00
SW	5B17007-05	Water	02/11/05 00:00	02/17/05 09:00

WHOLE EARTH ENVIRONMENTAL  
2103 Arbor Cove  
Katy TX, 77494

Project: E-15  
Project Number: None Given  
Project Manager: Mike Griffin

Fax: (281) 394-2051

Reported:  
02/21/05 16:41

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MW-1 (5B17007-01) Water</b>									
Chloride	663	10.0	mg/L	20	EB52108	02/19/05	02/19/05	EPA 300.0	
<b>MW-2 (5B17007-02) Water</b>									
Chloride	18000	1000	mg/L	2000	EB52108	02/19/05	02/19/05	EPA 300.0	
<b>MW-3 (5B17007-03) Water</b>									
Chloride	797	10.0	mg/L	20	EB52108	02/19/05	02/19/05	EPA 300.0	
<b>MW-4 (5B17007-04) Water</b>									
Chloride	1400	20.0	mg/L	40	EB52108	02/19/05	02/19/05	EPA 300.0	
<b>SW (5B17007-05) Water</b>									
Chloride	1180	20.0	mg/L	40	EB52108	02/19/05	02/19/05	EPA 300.0	

WHOLE EARTH ENVIRONMENTAL  
2103 Arbor Cove  
Katy TX, 77494

Project: E-15  
Project Number: None Given  
Project Manager: Mike Griffin

Fax: (281) 394-2051

Reported:  
02/21/05 16:41

**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
<b>Batch EB52108 - General Preparation (WetChem)</b>										
<b>Blank (EB52108-BLK1)</b> Prepared & Analyzed: 02/19/05										
Chloride	ND	0.500	mg/L							
<b>LCS (EB52108-BS1)</b> Prepared & Analyzed: 02/19/05										
Chloride	9.68		mg/L	10.0		96.8	80-120			
<b>LCS Dup (EB52108-BSD1)</b> Prepared & Analyzed: 02/19/05										
Chloride	8.57		mg/L	10.0		85.7	80-120	12.2	20	
<b>Calibration Check (EB52108-CCV1)</b> Prepared & Analyzed: 02/19/05										
Chloride	9.47		mg/L	10.0		94.7	80-120			
<b>Duplicate (EB52108-DUP1)</b> Source: 5B16010-01 Prepared & Analyzed: 02/19/05										
Chloride	853	25.0	mg/L		822			3.70	20	

WHOLE EARTH ENVIRONMENTAL  
2103 Arbor Cove  
Katy TX, 77494

Project: E-15  
Project Number: None Given  
Project Manager: Mike Griffin

Fax: (281) 394-2051  
Reported:  
02/21/05 16:41

### Notes and Definitions

DET 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: 2-21-05

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

Jeanne Mc Murrey, Inorg. Tech Director  
James L. Hawkins, Chemist/Geologist  
Sandra Sanchez, Lab Tech.

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

Client: Whole Earth Env.

Date/Time: 12/17/05 9:50

Order #: \_\_\_\_\_

Initials: CR

**Sample Receipt Checklist**

Temperature of container/cooler?	Yes	No	13.0 C
Shipping container/cooler in good condition?	<input checked="" type="checkbox"/>	No	
Custody Seals intact on shipping container/cooler?	Yes	No	<del>Not present</del>
Custody Seals intact on sample bottles?	Yes	No	<del>Not present</del>
Chain of custody present?	<input checked="" type="checkbox"/>	No	
Sample Instructions complete on Chain of Custody?	<input checked="" type="checkbox"/>	No	
Chain of Custody signed when relinquished and received?	<input checked="" type="checkbox"/>	No	
Chain of custody agrees with sample label(s)	Yes	No	no label written on lid
Container labels legible and intact?	Yes	No	n/a
Sample Matrix and properties same as on chain of custody?	<input checked="" type="checkbox"/>	No	
Samples in proper container/bottle?	<input checked="" type="checkbox"/>	No	
Samples properly preserved?	<input checked="" type="checkbox"/>	No	
Sample bottles intact?	<input checked="" type="checkbox"/>	No	
Preservations documented on Chain of Custody?	<input checked="" type="checkbox"/>	No	
Containers documented on Chain of Custody?	<input checked="" type="checkbox"/>	No	
Sufficient sample amount for indicated test?	<input checked="" type="checkbox"/>	No	
All samples received within sufficient hold time?	<input checked="" type="checkbox"/>	No	
VOC samples have zero headspace?	<input checked="" type="checkbox"/>	No	Not Applicable

Other observations:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Variance Documentation:**

Contact Person: - \_\_\_\_\_ Date/Time: \_\_\_\_\_ Contacted by: \_\_\_\_\_

Regarding:

\_\_\_\_\_  
 \_\_\_\_\_

Corrective Action Taken:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Price, Wayne, EMNRD**

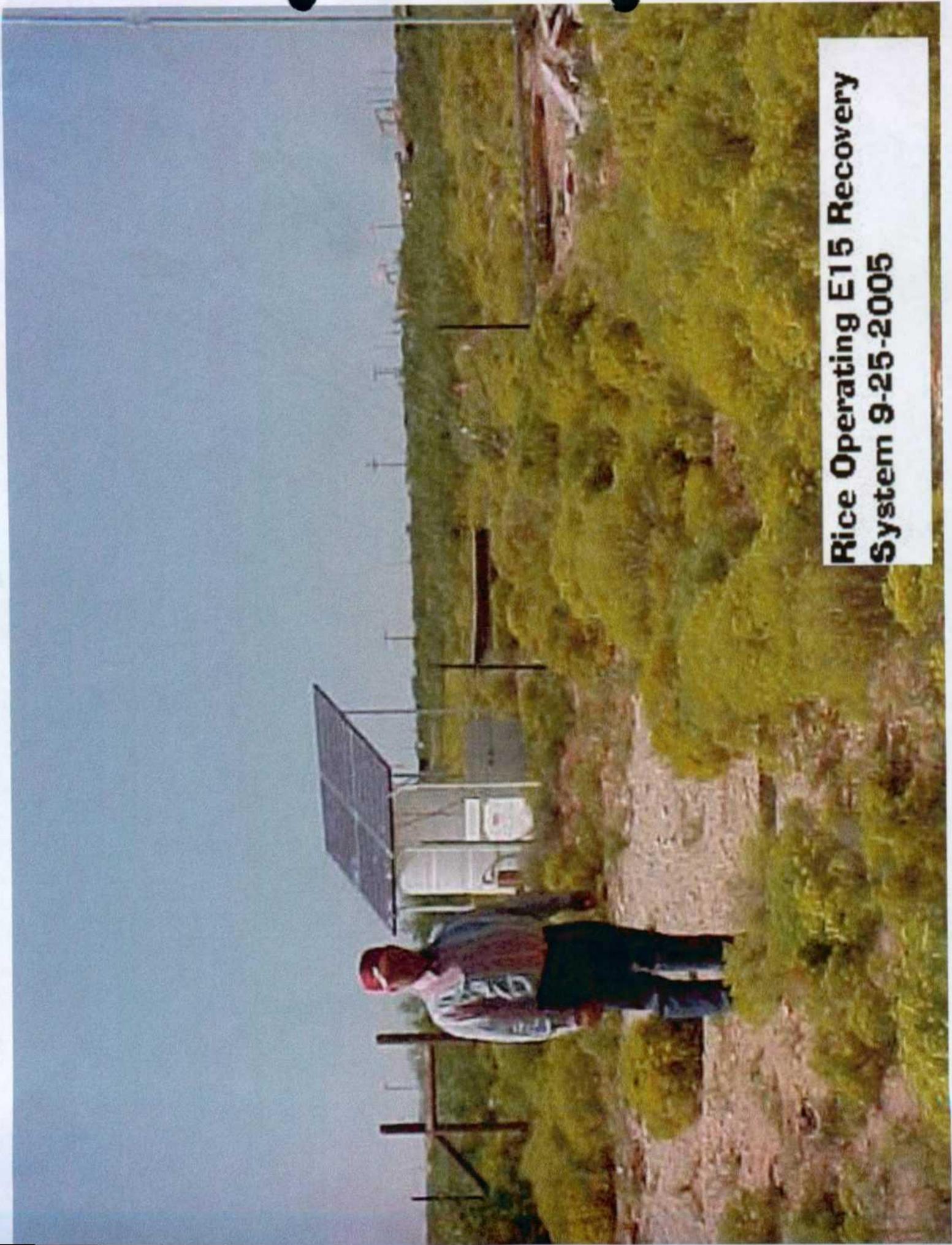
---

**From:** Price, Wayne, EMNRD  
**Sent:** Friday, November 18, 2005 2:04 PM  
**To:** Carolyn Doran Haynes (riceswd@leaco.net)  
**Cc:** Irvin Boyd (boyds\_enm@zianet.com.)  
**Subject:** Boyd Property

Dear Ms. Haynes:

Pursuant to our recent technical meeting in Santa Fe in which part of the discussion was about the E-15 project which is covered under Abatement Plan AP-027. As a result of that meeting and concerns from Mr. and Ms Boyd OCD will require Rice to submit a schedule and plan to remediate the contamination under the Boyd property. Please submit the plan for OCD approval by December 15, 2005.

11/18/2005



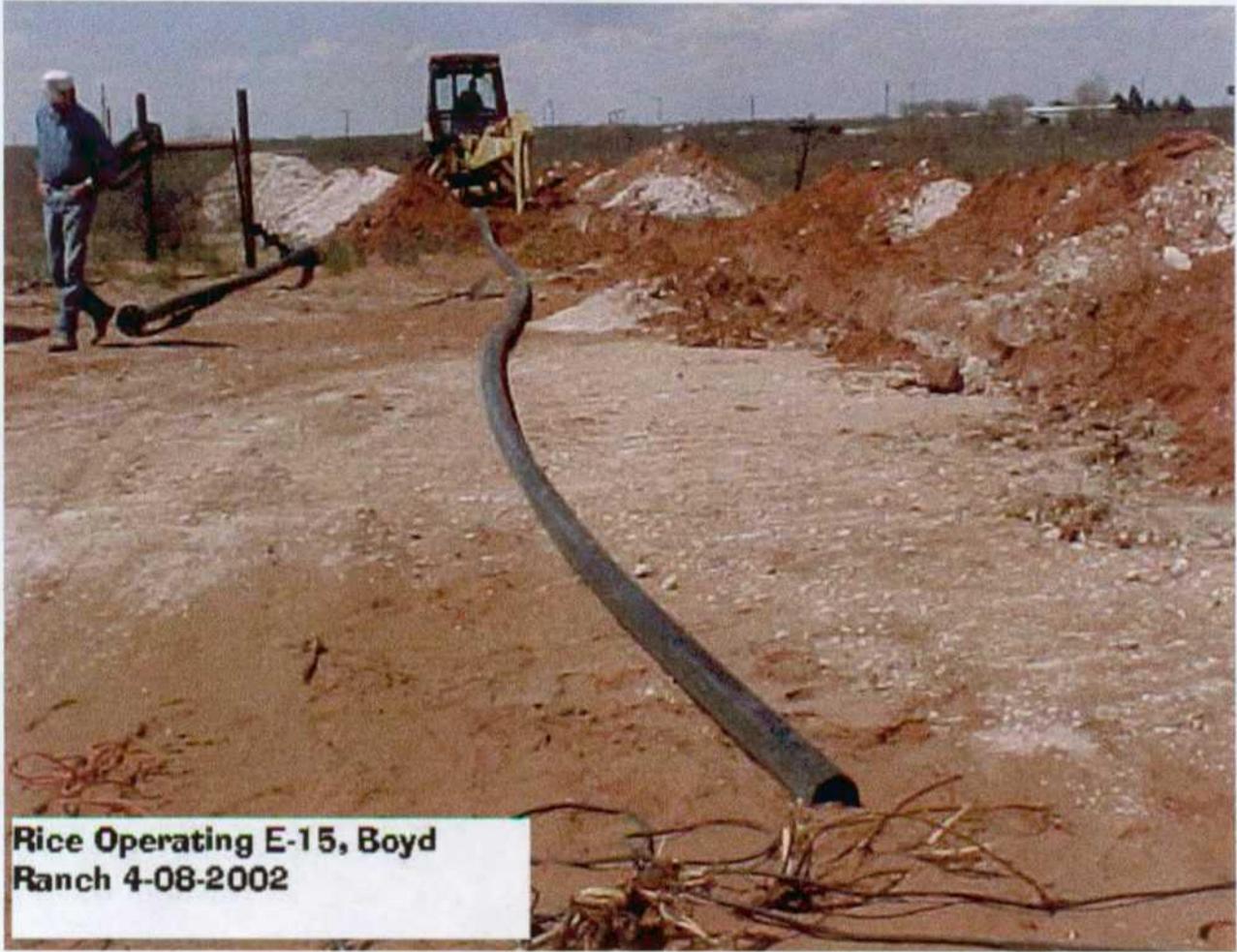
**Rice Operating E15 Recovery  
System 9-25-2005**



**Rice Operating E-15, Boyd  
Ranch, 4-08-2002**



**Rice Operating E-15,  
Boyd Ranch, 4-08-2002**





**Rice Box E-15 Boyd Ranch  
January 22, 2001**







**Fence boundry between Cueto  
peoperty and the E-15 Rice Box on  
Boyd Ranch January 22, 2001**







**Rice Operating E15, Boyd  
Ranch 3-14-2002**



**Rice Operating E-15, Boyd  
Ranch 3-14-2002**



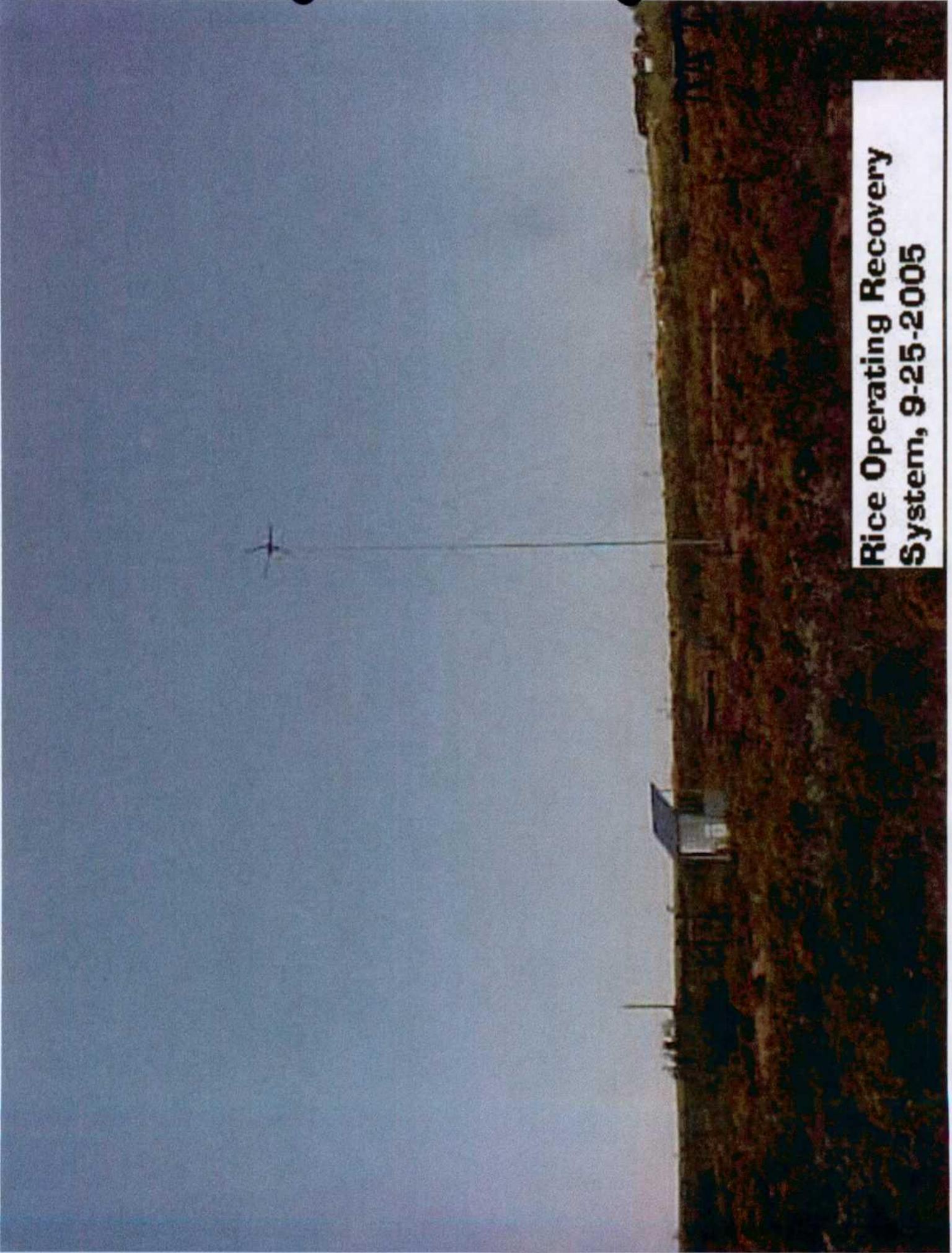
**Rice box E-15 Boyd Ranch  
January 22, 2001**

**Rice Operating E15  
Recovery System  
9-25-2005**



**Police Operating E-15  
Recovery System  
1-25-2005**

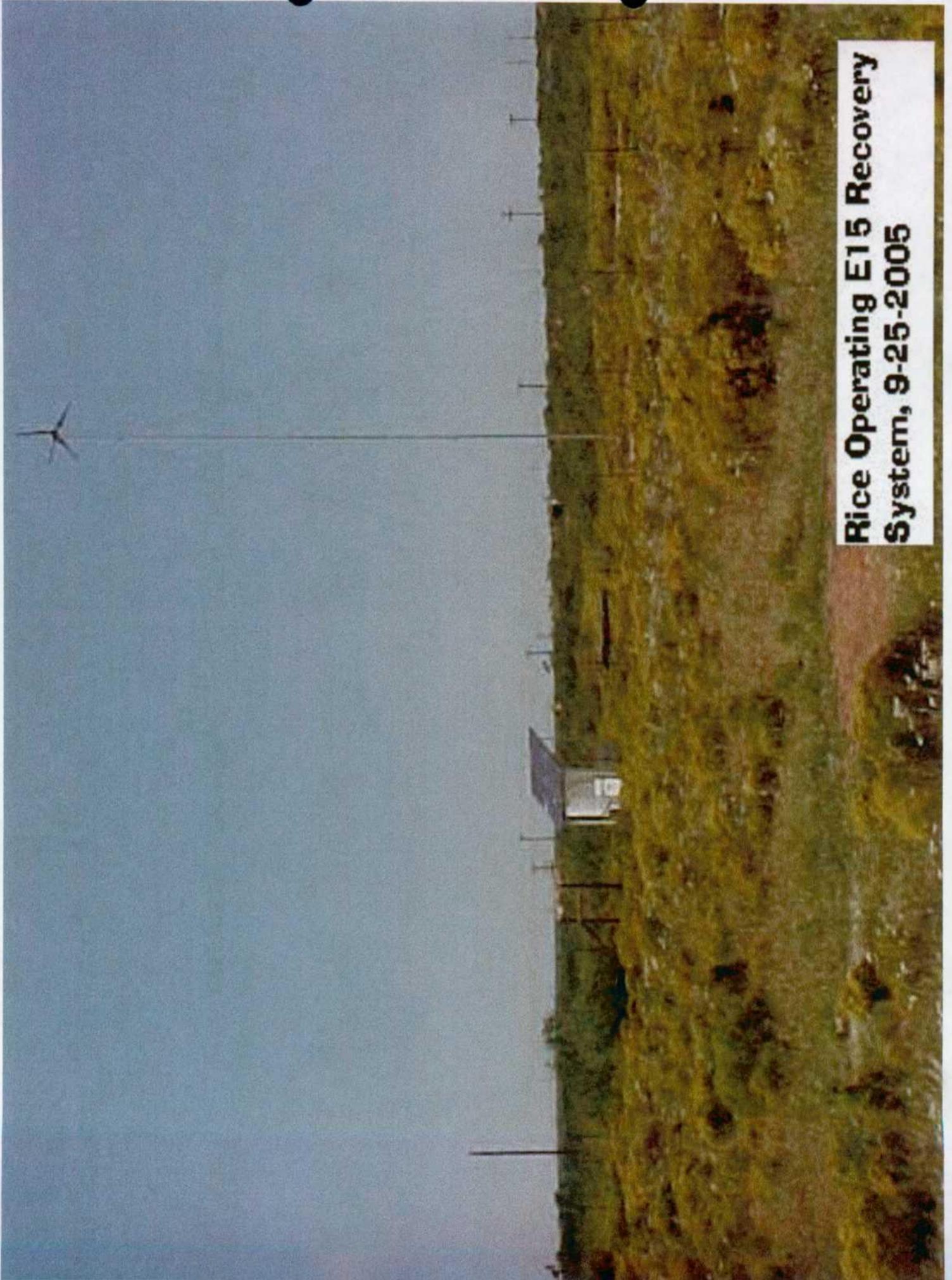




**Rice Operating Recovery  
System, 9-25-2005**

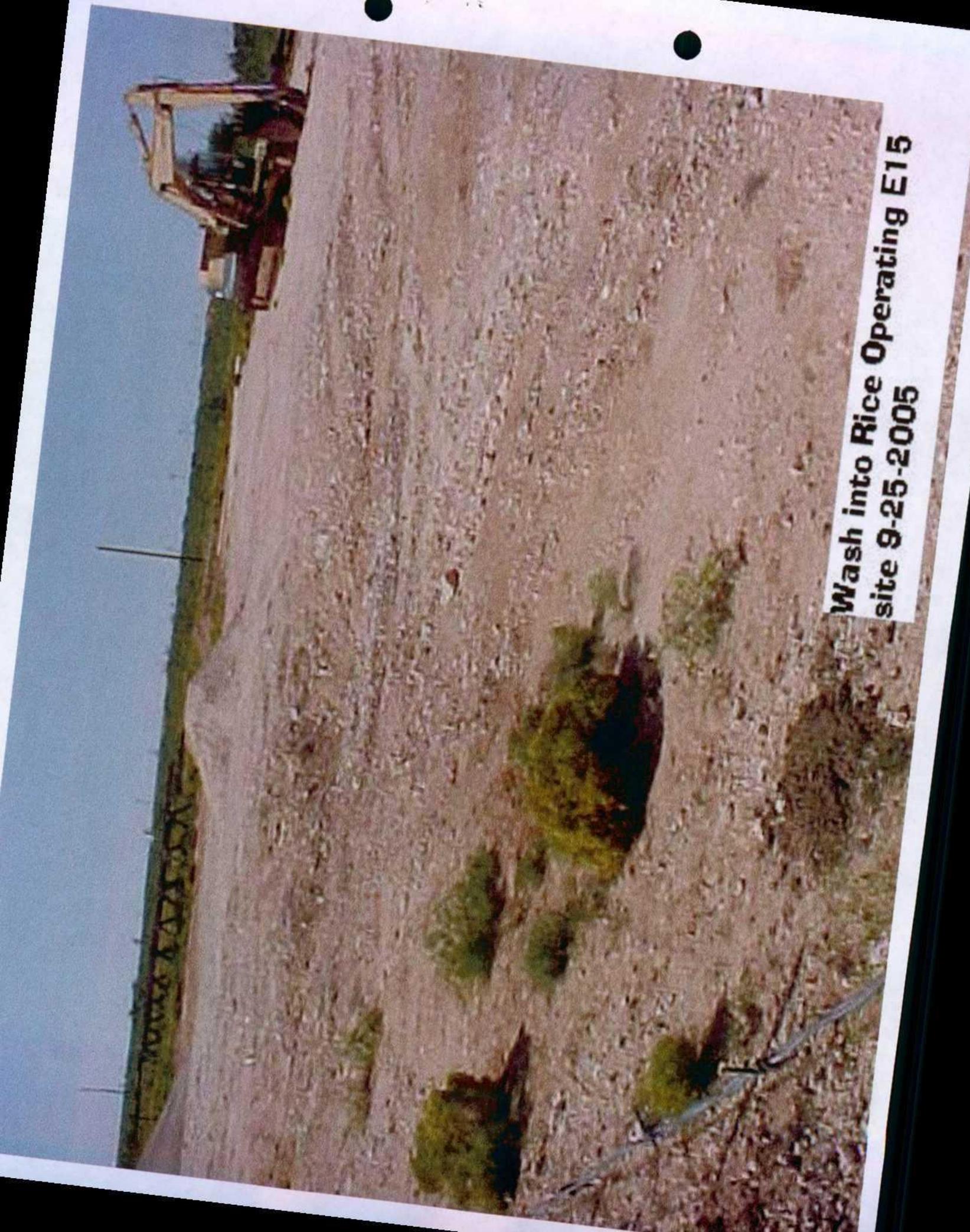


**Rice Operating E15 Recovery System, 9-25-2005**



**Rice Operating E15 Recovery  
System, 9-25-2005**

Wash into Rice Operating E15  
site 9-25-2005







**Whole Earth Environmental, Inc.**

2103 Arbor Cove  
Katy, Texas 77494  
281.394.2050  
whearth@msn.com

March 30, 2005

CERTIFIED MAIL

RETURN RECEIPT NO. 7002 2410 0000 4940 1985

Sent by e-mail 3-30-05 (less attachments)

Mr. Wayne Price  
New Mexico Energy, Minerals, & Natural Resources  
Oil Conservation Division, Environmental Bureau  
1220 South Saint Francis Drive  
Santa Fe, New Mexico 87505

SUBJECT: STATUS REPORT  
AP-27  
SW ¼ of the NW ¼ Section 15, Township 22S, Range 37E  
LEA COUNTY, NEW MEXICO

Dear Mr. Price:

Over the past several months, Whole Earth has attempted to delineate the lateral extent of contamination by drilling two additional water-monitoring wells situated to the east and southeast of the main plume. Both wells turned out to be dry holes, (see attached drilling logs). We believe that these dry holes in conjunction with the existing array of four monitoring wells effectively delineate the down-gradient spread of the plume.

We've additionally taken steps to actively remediate the aquifer by means of removing the water and sending it through a treatment system. The first stage in this program was the construction of a 4" recovery well situated atop the center of the source (drilling log attached).

We are in active discussions with a number of suppliers to select a water treatment system for the site. Our most promising candidate, Green Flag, Inc. of Flagstaff, Arizona proposes a wind generator driving not only the down hole pump but also an efficient reverse osmosis unit which will have a 1,000 gallon per day total capacity and the capability of rendering up to 33% of the pumped fluids into water which meets all requirements of the NMWQCC standards. Because this system is being "invented" for a specific commercial application, we've encountered significant legal delays in getting the various non-disclosure and commercial distribution agreements drafted and signed. We intend to make a final decision regarding our treatment alternatives within sixty days.

Mike Griffin  
President

Whole Earth Environmental, Inc.

Enclosures    Boring Log BD-E-15 Monitor Well 5  
                  Boring Log BDE-15 Test Hole # 6  
                  Boring Log BDE-15 Recovery Well  
                  Plat Map showing approximate locations of source & monitor wells

CC:            Ms. Kristin Farris  
                  Rice Operating Company  
                  122 West Taylor  
                  Hobbs, New Mexico 88240

                  Ms. Carolyn Haynes  
                  Rice Operating Company  
                  122 West Taylor  
                  Hobbs, New Mexico 88240

                  Mr. Mike Griffin  
                  Whole Earth Environmental, Inc.  
                  2103 Arbor Cove  
                  Katy, Texas 77494

**Price, Wayne**

---

**From:** Mike Griffin [whearth@msn.com]  
**Sent:** Wednesday, March 30, 2005 5:00 PM  
**To:** wprice@state.nm.us  
**Cc:** enviro@leaco.net; kk5lg@aol.com; cdhriceswd@leaco.net  
**Subject:** AP-27 Status

Good morning, Wayne:

Attached please find a copy of the status report for OCD AP-27 (Rice Operating E-15). The original with attachments is going in the mail tonight.

Have a great day!

Mike Griffin

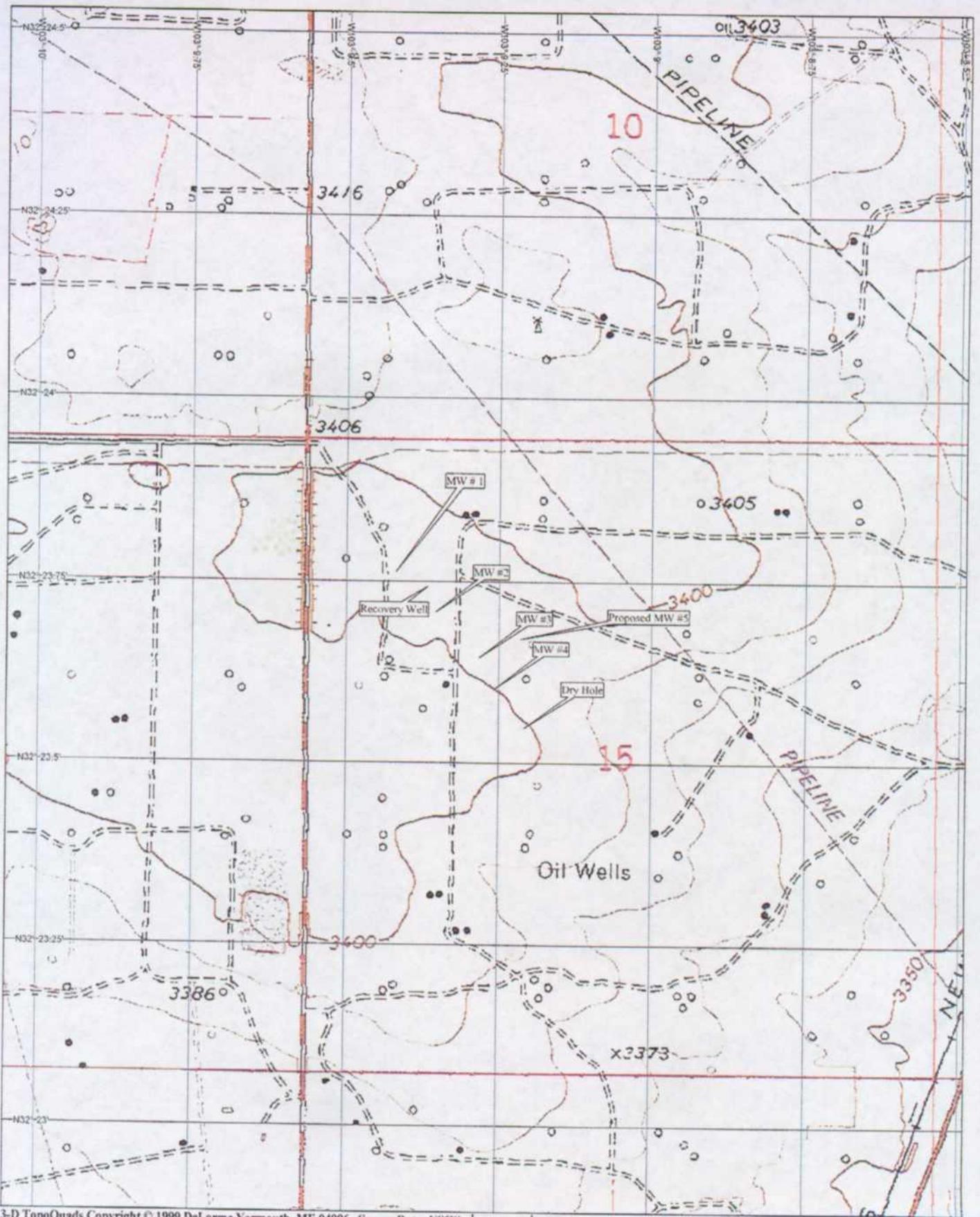
Whole Earth Environmental, Inc.  
Phone: 281.394.2050  
FAX: 281.394.2051

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4/14/2005

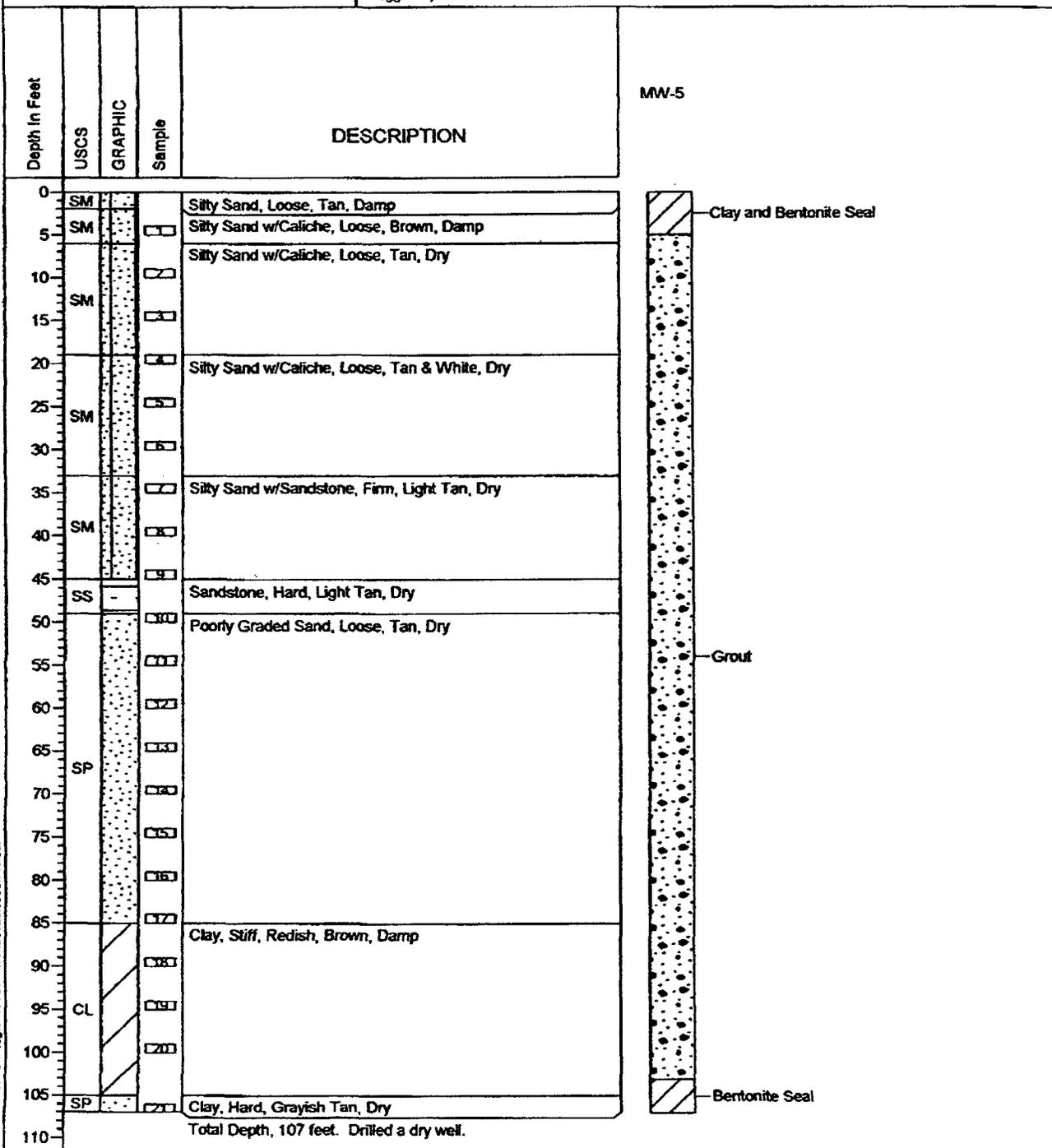


**ATKINS ENGINEERING ASSOCIATES, INC.**  
 Professional Engineering Land Surveying  
 Water Resources Environmental Science

## Log of Boring BD-E-15 Monitor Well 5

Rice Operating Company  
 122 West Taylor  
 Hobbs, New Mexico 88240  
 Contact: Roy Rascon  
 Job#: WHOLETH.RIC.04

Drill Start/End : (12-27-04) 0800/1545  
 Drill Start/End : (12-28-04) 0730/1015  
 Site Location : SW¼NW¼, Sec. 15, T22S, R37E  
 Auger Type : 4½ Hollow Stem  
 Logged By : M. Bates



01-03-2005 C:\Program Files\mtech\2002\rice\mhw6.bar

**ATKINS ENGINEERING ASSOCIATES, INC.**  
 Professional Engineering Land Surveying  
 Water Resources Environmental Science

**LOG OF BORING BDE-15 Test Hole # 6**

(Page 1 of 1)

Rice Operating Co.  
 122 West Taylor  
 Hobbs, NM 88240  
 Contact: Roy Rascon  
 Project #: RICEOP1.MWD.05

Date Started : 02/21/05  
 Date Completed : 02/28/05  
 Drill Start : 07150730  
 Drill End : 17501400  
 Boring Location :

Site Location : BDE 15,  
 Eunice, NM  
 Auger Type : 4.25" Hollow Stem  
 Logged By : M. Bates

Depth in Feet	USCS	GRAPHIC	Sample	DESCRIPTION
0	SM	[Pattern]		SILTY SAND w/caliche, brown and white, loose, damp
5	SM	[Pattern]		SILTY SAND, brown, loose, damp
10	SM	[Pattern]		SILTY SAND, tan, soft, moist
15	SP	[Pattern]		SAND, Poorly Graded, tan, loose, damp
20				CALICHE, white, loose, dry
25				SILTY SAND, tan, loose, dry
30				
35				
40				
45				
50	SM	[Pattern]		
55				
60				
65				
70				
75	SS	[Pattern]		CEMENTED SANDSTONE, tan, hard, dry
80	SC	[Pattern]		CLAYEY SAND, reddish brown, stiff, damp
85	SC	[Pattern]		
90	CL	[Pattern]		CLAY, reddish brown, stiff, damp
95	CL	[Pattern]		
100				
105				



03-03-2006 C:\Documents and Settings\Shawna\My Documents\Additional Environmental Sites\Rice Operating\BDE-15 Test Hole #6 bor

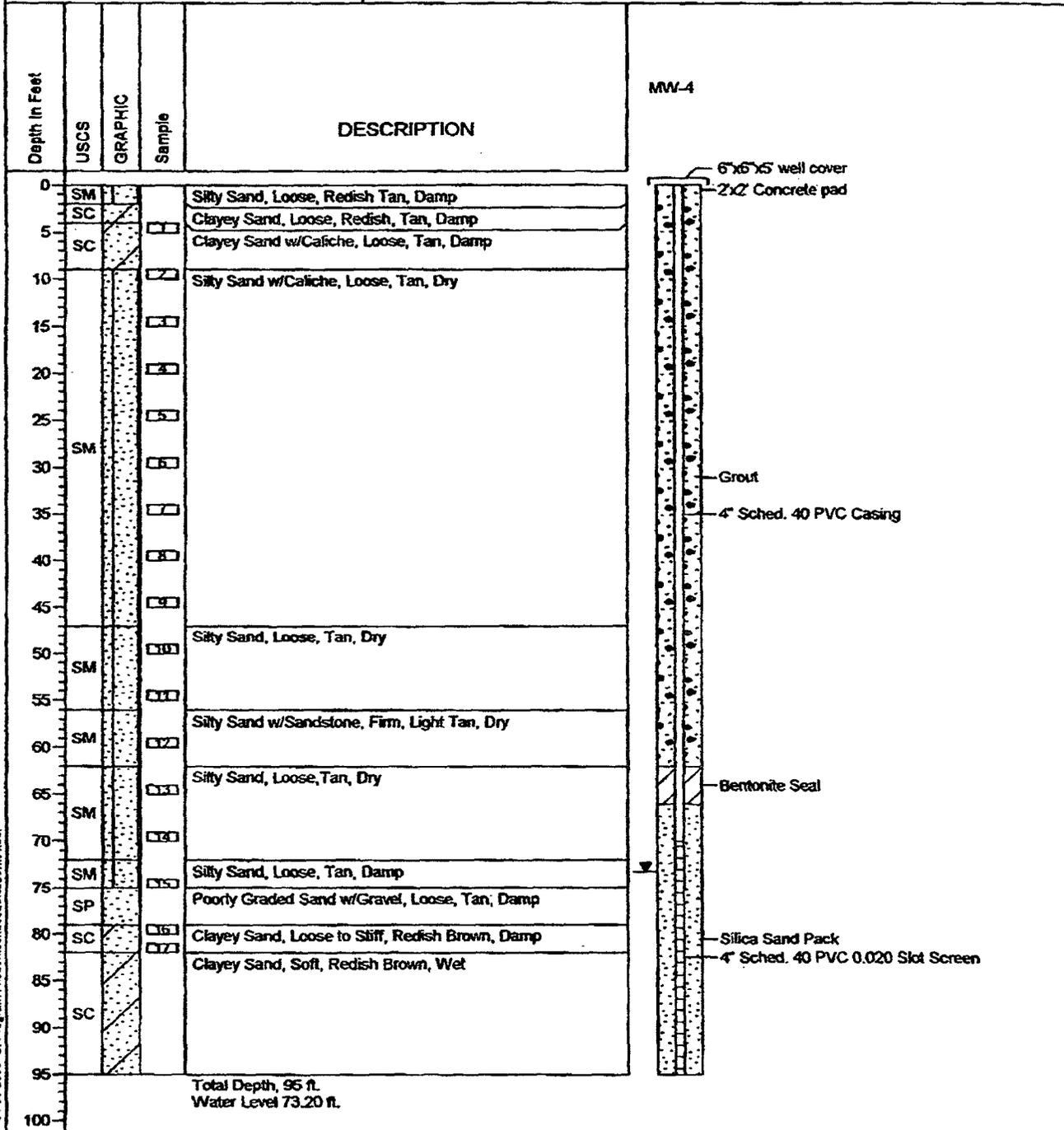
Total Depth = 100.00 feet bbs  
 Dry Hole

**ATKINS ENGINEERING ASSOCIATES, INC.**  
 Professional Engineering Land Surveying  
 Water Resources Environmental Science

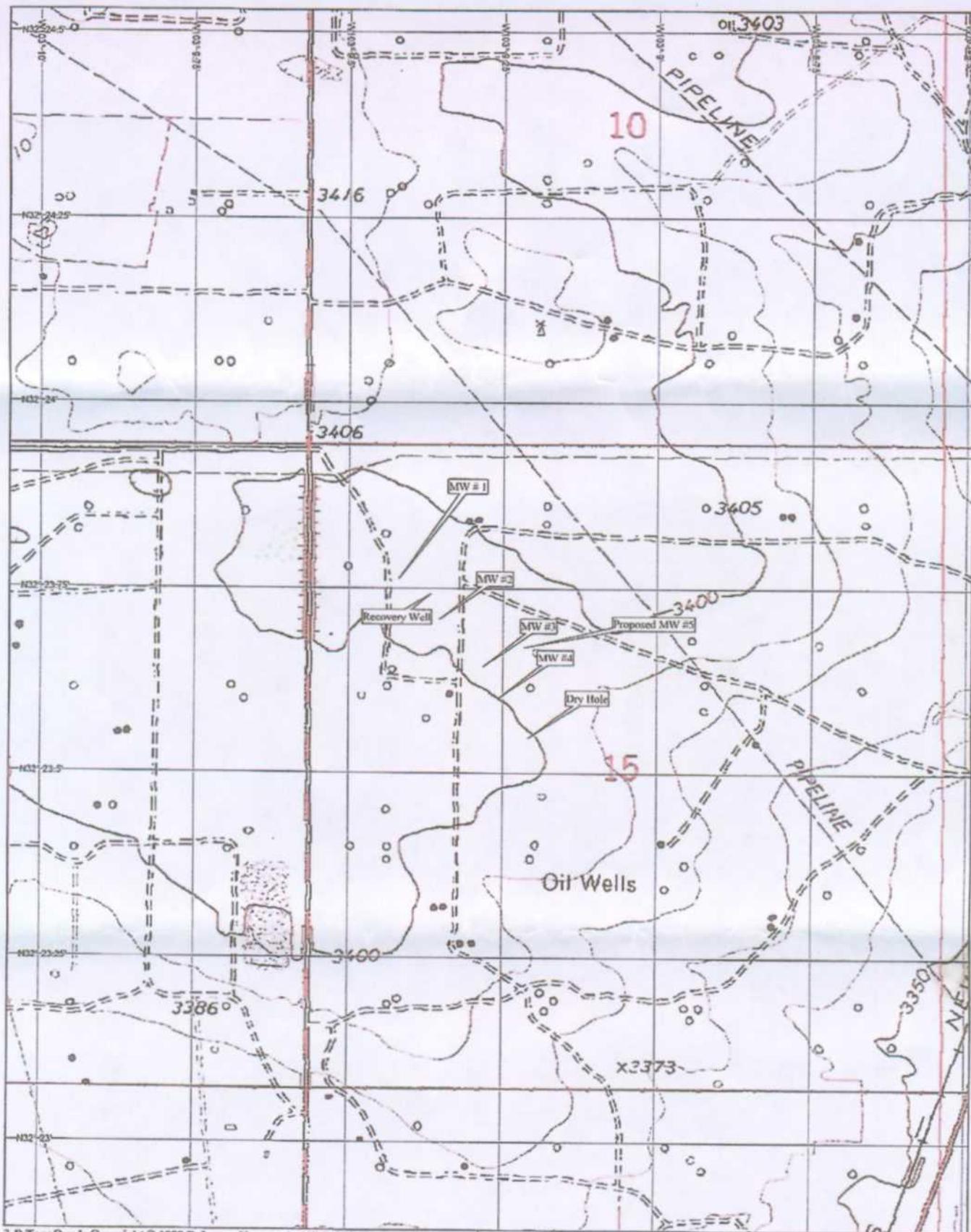
**Log of Boring BD-E-15** *Source Well*

Rice Operating Company  
 122 West Taylor  
 Hobbs, New Mexico 88240  
 Contact: Roy Rascon  
 Job#: WHOLETH.RIC.04

Drill Start/End : (12-28-04) 1045/1715  
 Drill Start/End : (12-29-04) 0730/1145  
 Site Location : NW1/4NW1/4, Sec. 15, T22S, R37E  
 Auger Type : 6 1/4" Hollow Stem  
 Logged By : M. Bates



01-03-2005 C:\Program Files\mtech\2002\jrs\lmm\l.txt



**Price, Wayne**

---

**From:** Mike Griffin [whearth@msn.com]  
**Sent:** Sunday, January 02, 2005 2:57 PM  
**To:** wprice@state.nm.us  
**Cc:** enviro@leaco.net; cdhricesswd@leaco.net; psheeley@state.nm.us  
**Subject:** Rice E-15 Source & Monitor Well Update

Good Morning, Wayne:

Attached, please find a copy of a 7.5' map showing the location of existing source and monitor wells for the Rice E-15 project. Last week we attempted to place another well down-gradient of those already existing but encountered a dry hole at the spot designated as such on the attachment.

We did manage to drill, complete and sample the recovery well and should have both soil and water test results by the end of the week. They will of course be forwarded to you upon receipt.

We are attempting to obtain permission from Pecos Production to spot another monitor well adjacent to their oil well pad at the location designated on the attachment as proposed monitor well #5. The landowner is especially concerned over surface damages and has requested that any such wells be situated as close to existing roads or pads as possible.

We will advise you and Paul when such permission is received and drilling is planned.

Mike Griffin

Whole Earth Environmental, Inc.  
Phone: 281.394.2050  
FAX: 281.394.2051

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4/14/2005



Infrastructure, buildings, environment, communications

ARCADIS G&M, Inc.  
1004 N. Big Spring Street  
Suite 300  
Midland Texas 79701  
Tel 432.687.5400  
Fax 432.687.5401

TELEFAX

To:  
Wayne Price

Copies:  
Kristin Farris Pope

ENVIRONMENTAL

Fax:  
505 476-3462  
505 397-1471

Total pages:  
2

Date:

Subject:  
Rice Operating Company E-15 SWD

ARCADIS Project No.:  
MT000723.0001

From:  
Sharon Hall

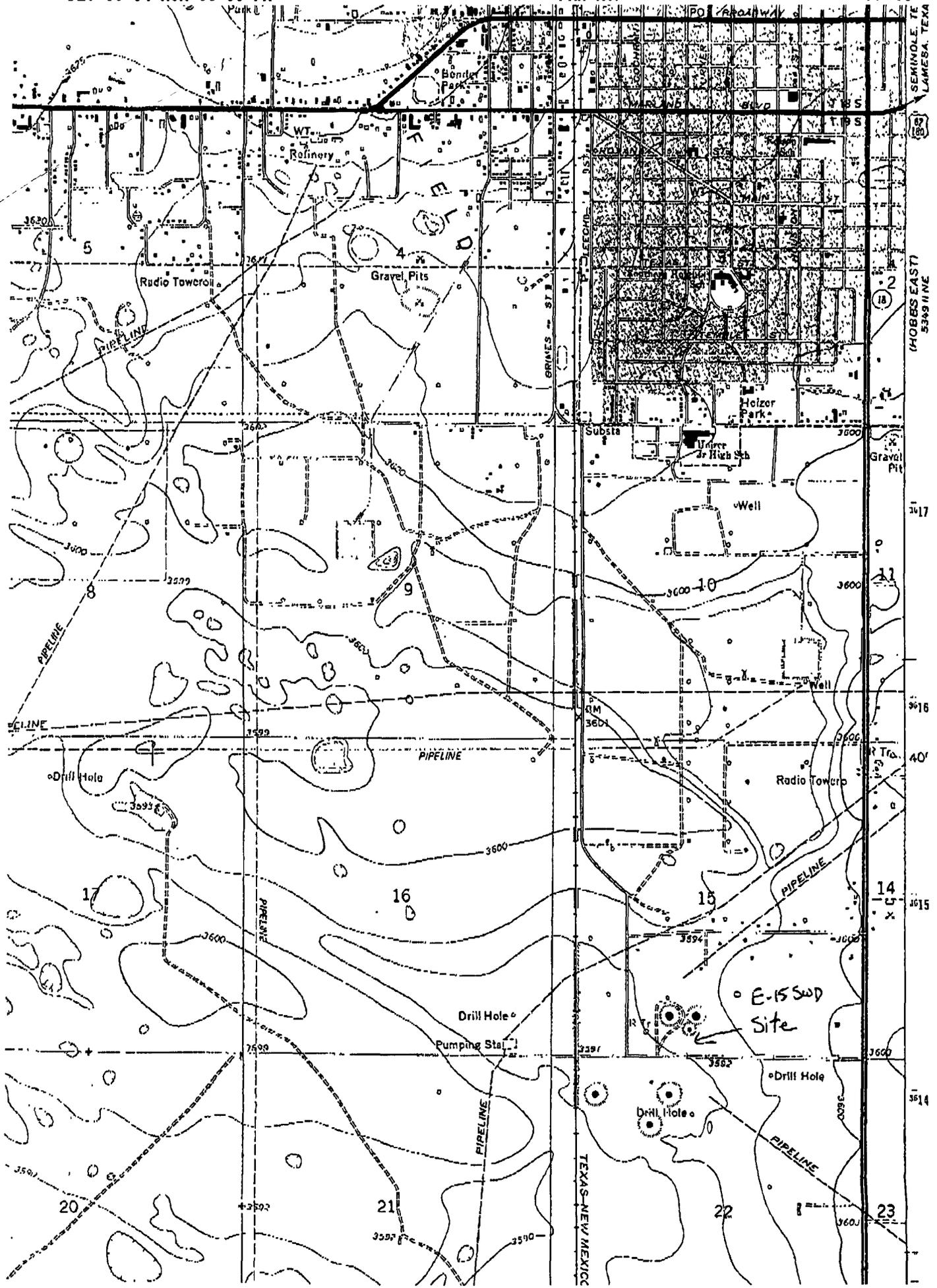
Phone Number:  
432 687-5400

If you do not receive all pages, please call to let us know as soon as possible.

Wayno,  
Kristin asked me to forward an area map to you. The E-15 site location is shown on the attached map.  
Regards,  
Sharon

THIS MESSAGE IS INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR ENTITY TO WHICH IT IS ADDRESSED AND MAY CONTAIN INFORMATION THAT IS PRIVILEGED, CONFIDENTIAL, AND EXEMPT FROM DISCLOSURE UNDER APPLICABLE LAW. If the reader of this message is not the intended recipient, or the employee or agent responsible for delivering the message to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone and return the original message to us at the above address via the U.S. postal service.

Part of a bigger picture



**Price, Wayne**

---

**From:** Mike Griffin [whearth@msn.com]  
**Sent:** Monday, December 13, 2004 8:31 AM  
**To:** wprice@state.nm.us  
**Cc:** enviro@leaco.net

AP-27

Good Morning, Wayne:

We will be installing one 2" delineation well and one 4" recovery well on the Rice Operating E-15 site beginning on Tuesday, December 28th - hopefully concluding on the 30th.

Installation of an electric submersible pump and ancillary plumbing will be accomplished by January 15th. The brine contaminated water will be sent directly into the Rice Operating disposal system for eventual injection.

I'll notify Paul Sheeley at the Hobbs office so that he may witness.

Mike Griffin

Whole Earth Environmental, Inc.  
Phone: 281.394.2050  
FAX: 281.394.2051

---

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12/13/2004

**Price, Wayne**

---

**From:** Mike Griffin [whearth@msn.com]  
**Sent:** Wednesday, November 24, 2004 11:24 AM  
**To:** wprice@state.nm.us  
**Cc:** enviro@leaco.net  
**Subject:** Rice E-15 Status

Wayne:

To confirm our telecon of a few minutes ago, Rice Operating has FINALLY(!) been able to reach an agreement with the principal landowner (Irvin Boyd) to set additional monitor wells as needed to fully delineate the downgradient extent of the plume on E-15. We are additionally in discussions with Mr. Queto to set a recovery well on his property and anticipate that all will be in place by Mid-December.

The last remaining potential hitch is our ability to schedule Eades Drilling for the mid-December plan. We are optimistic that we will have a complete report to you by years end. If we encounter any delays to the schedule, we will advise you immediately.

Mike Griffin

Whole Earth Environmental, Inc.  
Phone: 281.394.2050  
FAX: 281.394.2051

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## Price, Wayne

---

**From:** Price, Wayne  
**Sent:** Tuesday, November 23, 2004 11:47 AM  
**To:** Carolyn Doran Haynes (E-mail); Kristin Farris Pope (E-mail)  
**Cc:** Johnson, Larry; Sheeley, Paul  
**Subject:** Abatement Plan AP-027 Jct Box E-15 Site UL D&E Sec 15 Ts 22s R 37E

OCD records indicate Rice was given a 90 day extension which was due on October 25, 2003. OCD has no record of receiving the report. Please submit within 10 days.

Sincerely:

Wayne Price  
New Mexico Oil Conservation Division  
1220 S. Saint Francis Drive  
Santa Fe, NM 87505  
505-476-3487  
fax: 505-476-3462  
E-mail: [WPRICE@state.nm.us](mailto:WPRICE@state.nm.us)

**Olson, William**

**From:** Olson, William  
**Sent:** Wednesday, August 20, 2003 9:05 AM  
**To:** 'Mike Griffin'  
**Subject:** RE: E-15 Phase II Investigation Delay

Dear

Bill, I have received your letter regarding the request for a 90 day extension to the OGD

regarding

the request

regarding

the request for a 90 day extension to the OGD

regarding

the request

-----Original Message-----

**From:** Mike Griffin [mailto:whearth@iamerica.net]  
**Sent:** Tuesday, August 19, 2003 9:41 AM  
**To:** Bill Olson  
**Cc:** Carolyn Haynes  
**Subject:** E-15 Phase II Investigation Delay

Bill:

Rice Operating has been in discussions with Mr. Irvin Boyd, the landowner of the E-15 site for some months now to obtain a release to drill several additional delineation monitor wells on the property. Mr. Boyd has refused Rice permission to conduct these drilling activities until another, unrelated claim by him against Rice is settled to his satisfaction. Rice's landmand and atty. are continuing to attempt to resolve this unrelated issue in a timely fashion and hope to have clarification within 90 days.

We do therefore request a 90 day extension to be able to resolve this matter.

Warmest regards,

Mike Griffin

# **RICE Operating Company**

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

**CERTIFIED MAIL**

**RETURN RECEIPT NUMBER: 7000 1530 0005 9895 4800**

March 31, 2003

Mr. William C. Olson  
NMOCD Environmental Bureau  
1220 S. St. Francis Drive  
Santa Fe, NM 87505

**RECEIVED**

**APR 02 2003**

ENVIRONMENTAL BUREAU  
OF CONSERVATION DIVISION

Re: Abatement Plan AP-27  
Junction Box E-15 Site  
Blinebry Drinkard SWD System  
UL D&E, Sec 15, T22S, R37E  
Lea County, New Mexico

Dear Mr. Olson:

Rice Operating Company (ROC) received your letter requesting more information concerning the groundwater investigation work plan and the installation of additional monitor wells. ROC contacted Mike Griffin of Whole Earth Environmental for a response. Enclosed are the response and a survey plat illustrating the positioning of the additional monitor wells.

ROC is the service provider (operator) for Seven Salt Water Disposal Systems in Lea County, New Mexico: Eunice-Monument-Eumont (EME) SWD System, Blinebry Drinkard (BD) SWD System, Justis SWD System, ABO SWD System, Vacuum SWD System, Hobbs SWD System, and Hobbs East SWD System. ROC has no ownership of any portion of pipelines, wells, equipment or facilities. Each System is owned by a unique consortium of oil producers called System Partners, who provide all operating capital on a percentage ownership/usage basis.

Upon NMOCD approval of this work plan, ROC will distribute an AFE to the BD SWD System Partners in order to fund the remainder of this project. The monitor well installations will be scheduled when the AFE is approved.

If you have any questions please call me at the ROC office, or Mike Griffin of Whole Earth Environmental, Inc at 800-854-4358.

Abatement plan AP-27  
Junction Box E-15 Site  
March 31, 2003  
Page 2 of 2

Sincerely,

RICE OPERATING COMPANY



Carolyn Doran Haynes  
Operations Engineer

Enclosure: Whole Earth Junction Box E-15 Work Plan  
Survey Plat of Monitor Wells and Proposed Monitor Wells

cc: LBG, Mike Griffin, file

Chris Williams  
NMOCD Hobbs District  
1625 French Drive  
Hobbs, NM



**Delineation Work Plan  
E-15 Junction Box Site  
Section 15, T22S, R37E**

**Site History**

The original seep was discovered on March 29, 2000. Immediately upon discovery, approximately 300 bbls of water were pumped from the location and sent to commercial disposal. An additional approximately 2,000 cubic yards of salt contaminated soils were excavated and transported to the Sundance Parabo Facility.

On July 14, 2000, a series of six test holes were advanced into the presumed contamination plume and soil samples were collected and analyzed for the presence and concentrations of chlorides. The tests revealed the probability of groundwater involvement and resultantly two monitor wells were drilled, cased developed and tested for the presence and concentrations of chlorides and BTEX. Both wells showed chloride concentrations within the water table exceeding NMWQCC standards. Two additional wells were similarly drilled, cased, developed and tested for the same COC's. All four wells show chloride concentrations in excess of standards.

In January of 2002, the main contaminant plume was excavated to a depth of 35' below ground surface and impermeable clay and polyethylene liners were installed within the excavation. The previously excavated soils were replaced within the liners and a top covers (both clay and polyethylene) were installed to fully encapsulate the plume. Fresh topsoil was placed atop the upper liner and the area contoured to promote positive drainage.

Each of the four monitor wells has been tested quarterly for chloride concentrations.

**Delineation**

We propose to drill a series of three lateral wells to the top of the aquifer. They shall be located east, west and southwest of the plume source at locations described on the attached survey map. An additional vertical delineation well will be drilled near the plume source to the bottom of the water table. After drilling, casing and development, each new well will be tested for the presence and concentrations of BTEX, cations, anions, chlorides and TDS.

**Report**

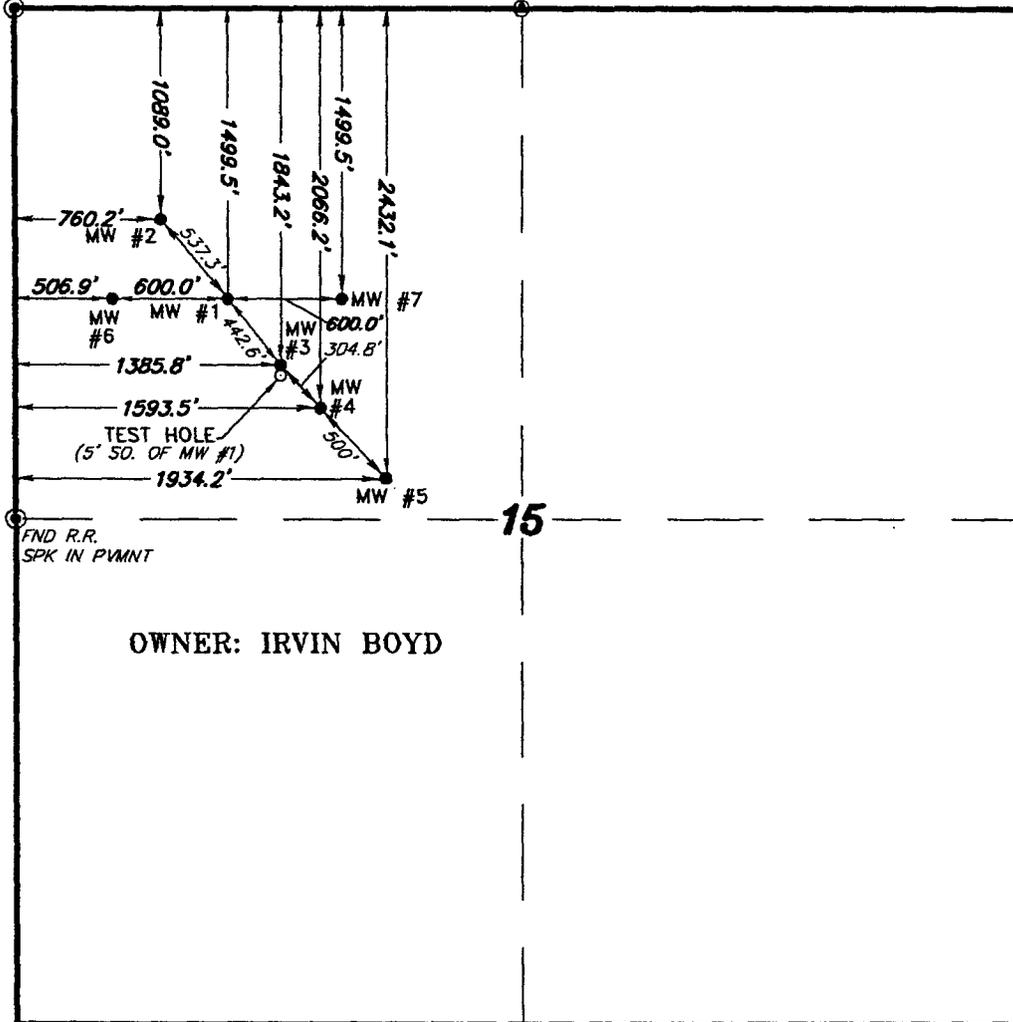
Rice Operating will submit a report to the NMOCD within thirty days of the receipt of all laboratory data from the tests of the new wells. The report shall include the location and elevation of all new wells, a gradient chart, well construction details, a well log, laboratory analytical results and all associated quality control and chain of custody documents. The new wells will be scheduled to be drilled within sixty days of the NMOCD's approval of this plan.

**Recovery Well**

Rice Operating will submit a recovery well design to the NMOCD within thirty days of the receipt of laboratory analysis of the vertical delineation well.

SECTION 15, TOWNSHIP 22 SOUTH, RANGE 37 EAST, N.M.P.M.,  
LEA COUNTY, NEW MEXICO.

FND R.R. SPK IN PVMT N89°59'00"E (BASIS OF BEARINGS) FND STONE



OWNER: IRVIN BOYD

WELL	GRND ELEV.	PAD ELEV.	NORTHING	EASTING	LATITUDE	LONGITUDE
MW #1	3398.4'	3398.9'	N509096.706	E905055.281	N32°23'38.6"	W103°09'17.9"
MW #2	3398.3'	3398.6'	N509436.578	E904771.875	N32°23'42.0"	W103°09'21.2"
MW #3	3397.6'	3397.8'	N509842.177	E904419.441	N32°23'46.1"	W103°09'25.2"
MW #4	3397.9'	3398.6'	N508876.745	E905266.429	N32°23'36.4"	W103°09'15.5"

I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED FROM FIELD NOTES OF AN ACTUAL SURVEY AND MEETS OR EXCEEDS ALL REQUIREMENTS FOR LAND SURVEYS AS SPECIFIED BY THIS STATE.

*[Signature]*  
GARY L. JONES N.M. P.S. 7977  
REGISTERED PROFESSIONAL SURVEYOR  
TEXAS P.L.S. No. 5074



**RICE OPERATING COMPANY**

REF: MONITOR WELLS BD SITE - Jct. Box E-15

MONITOR WELLS LOCATED IN  
SECTION 15, TOWNSHIP 22 SOUTH, RANGE 37 EAST,  
N.M.P.M., LEA COUNTY, NEW MEXICO.

**BASIN SURVEYS** P.O. BOX 1786 - HOBBS, NEW MEXICO

W.O. Number: 1522 Drawn By: K. GOAD

Date: 03-13-2003 Disk: KJG CD#3 - RC1522A.DWG

Survey Date: 03-13-2003

Sheet 1 of 1 Sheets



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**

Governor

**Joanna Prukop**  
Cabinet Secretary

**Lori Wrotenbery**

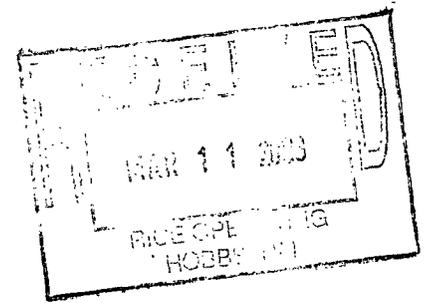
Director

**Oil Conservation Division**

March 7, 2003

Mr. Donnie Anderson  
Rice Operating Company  
122 West Taylor  
Hobbs, New Mexico 88240

**RE: ABATEMENT PLAN AP-27  
JUNCTION BOX E-15 SITE  
LEA COUNTY, NEW MEXICO**



Dear Mr. Anderson:

The New Mexico Oil Conservation Division (OCD) has reviewed Rice Operating Company's (Rice) November 8, 2002 "Stage 2 ABATEMENT WORK PLAN (AP-27), E-15 RELEASE SITE, BLINEBRY DRINKARD (BD) SWD SYSTEM, UNIT LETTERS D&E, SEC. 15, T22S, R37E, LEA COUNTY, NEW MEXICO" This document contains Rice's response to the OCD's July 10, 2002 conditional approval of the Stage 1 and Stage 2 Abatement Plan Proposals for investigation and remediation of contamination related to Rice's Junction Box E-15 Site located in Unit D and Unit E of Section 15, Township 22 South, Range 37 East, Lea County, New Mexico.

The OCD has the following comments and requests for information regarding the above-referenced work plan:

1. Item 1 of the OCD's July 10, 2002 conditional approval required that Rice submit a work plan to complete the delineation of the lateral and vertical extent of ground water contamination. Rice's work plan proposes to conduct this work at some time in the future after additional ground water sampling has been conducted. Additional ground water sampling of existing wells will not alter the fact that the lateral and vertical extent of contamination has not been defined at the site. In fact, Rice's second round of water quality sampling in 2002 showed that chloride concentrations at the source and in the furthest downgradient well have increased over time since the initial sampling event. Therefore, the OCD requires that Rice submit a work plan to complete the delineation of lateral and vertical extent of ground water contamination at the site. Please submit the work plan to the OCD Santa Fe Office by April 7, 2003 with a copy provided to the OCD Hobbs District Office.

2. The OCD is concerned about the construction details of the proposed recovery well. Rice proposes to construct the recovery well with well screen at the top and bottom of the aquifer. If ground water at the base of the aquifer is not currently contaminated, this will create a conduit for vertical migration of contamination. Therefore, the OCD defers approval of the proposed construction of the recovery well until Rice has installed at least one deep monitor well to determine contaminant concentrations at the base of the aquifer.

If you have any questions, please contact me at (505) 476-3491.

Sincerely,



William C. Olson  
Hydrologist  
Environmental Bureau

cc: Chris Williams, OCD Hobbs District Office  
Mike Griffin, Whole Earth Environmental



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDS**

Governor

**Joanna Prukop**  
Cabinet Secretary

**Lori Wrotenbery**  
Director

**Oil Conservation Division**

March 7, 2003

Mr. Donnie Anderson  
Rice Operating Company  
122 West Taylor  
Hobbs, New Mexico 88240

**RE: ABATEMENT PLAN AP-27  
JUNCTION BOX E-15 SITE  
LEA COUNTY, NEW MEXICO**

Dear Mr. Anderson:

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If you have any questions, please contact me at (505) 476-3491.

Sincerely,



William C. Olson  
Hydrologist  
Environmental Bureau

cc: Chris Williams, OCD Hobbs District Office  
Mike Griffin, Whole Earth Environmental

**Olson, William**

---

**From:** Anderson, Roger  
**Sent:** Monday, September 16, 2002 8:27 AM  
**To:** Olson, William  
**Subject:** FW: Jct E-15 Work Plan Extension

-----Original Message-----

**From:** Donnie Anderson [mailto:dea\_riceswd@leaco.net]  
**Sent:** Friday, September 13, 2002 4:50 PM  
**To:** Roger Anderson  
**Cc:** Larry W. Johnson  
**Subject:** Jct E-15 Work Plan Extension

Dear Roger,

Please find attached an extension request for the work plan from Jct E-15.

Larry,  
Please forward this to Chris Williams.

Thanks  
Donnie Anderson  
Rice Operating Company  
505-393-9174

September 13, 2002

Mr. Roger Anderson  
NM Energy, Minerals, and Natural Resources Dept.  
Oil Conservation Division, Environmental Bureau  
1220 S. St. Francis Drive  
Santa Fe, NM 87505

RE: STAGE 1 AND STAGE 2 ABATEMENT PLAN PROPOSALS (AP-27)  
JCT E-15 SITE  
Unit Letter E, Sec.15, T22S, R37E  
LEA COUNTY, NEW MEXICO

Mr. Anderson:

Rice Operating Company (ROC) requests an extension of 60 days to comply with your request of July 10, 2002 referencing the above site. We are currently in negotiation with the landowner on several surface issues. We anticipate resolution to these issues in the next 60 days. We also have a plan to add a recovery well adjacent to this site.(different landowner) The equipment and power source has been researched and will be ordered as soon as practicable.

We will submit a work plan that complies with your request within the next 60 days.

Thank you for your consideration of this request. If you have any questions, please contact me.

RICE OPERATING COMPANY

Donnie Anderson  
Project Leader-Environmental

Cc: CDH, file,

Mr. Chris Williams  
NMOCD, District 1 Office  
1625 N. French Drive  
Hobbs, NM 88240

# **RICE** Operating Company

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

## **CERTIFIED MAIL**

**RETURN RECEIPT NO. 7001 2510 0007 2763 5176**

May 14, 2002

Mr. William C. Olson  
NM Energy, Minerals, and Natural Resources Dept.  
Oil Conservation Division, Environmental Bureau  
1220 S. St. Francis Drive  
Santa Fe, NM 87505

**RECEIVED**

**MAY 22 2002**

ENVIRONMENTAL BUREAU  
OIL CONSERVATION DIVISION

RE: Abatement Plan AP-27: Stage II, Jct. E-15 Release Site,  
Blinbry Drinkard (BD) SWD System  
Unit Letter D&E, Sec. 15, T22S, R37E  
Lea County, New Mexico

Mr. Olson:

Rice Operating Company (ROC) takes this opportunity to update the NMOCD on the soil excavation and encapsulation portion of Stage II of Abatement Plan AP-27 for the Jct. E-15 release site located in the BD SWD System. Abatement Plan AP-27: Stage I and Stage II were submitted to the NMOCD in June 2001. Please find the attached details of the remediation report for this site. Approximately 2396 cubic yards of soil were hauled to disposal from this site. The disposal manifests are also included in the attached report.

Stage II groundwater recovery options will be pursued. An annual report containing all pertinent groundwater sampling information will be submitted to the NMOCD the first part of 2003.

ROC is the service provider (operator) for the BD Salt Water Disposal System and has no ownership of any portion of the pipeline, well or facility. The BD System is owned by a consortium of oil producers, System Partners, who provide all operating capital on a percentage ownership/usage basis

ROC welcomes any feedback from the Environmental Bureau concerning groundwater abatement at this site. If you have any questions regarding this site, please call me at the ROC office.

RICE OPERATING COMPANY



**Donnie Anderson**  
**Project Leader-Environmental**

Enclosures

Cc: CDH, file, Mr. Chris Williams  
NMOCD, District 1 Office  
1625 N. French Drive  
Hobbs, NM 88240



RECEIVED

FEB 27 2002

ENVIRONMENTAL BUREAU  
OIL CONSERVATION DIVISION

To: Bill Olson / NMOCD

From: Mike Griffin / Whole Earth Environmental, Inc.

Date: February 23, 2002

Subject: Comments Re. Junction Box E-15 Abatement Plan (AP-27)

I received your comments of January 31<sup>st</sup>, 2002 regarding the Stage I & II Abatement Plan Proposal for the Rice Operating E-15 Junction Box Remediation Project dated June 5<sup>th</sup>, 2001. Your questions address the following issues:

- 1. The report does not explain or contain a discussion of how the conceptual model used in VADSAT for modeling contaminant migration is supposed to represent future migration of salts into the vadose zone.*

**Response:**

Enclosed, please find a copy of a side-view schematic of the site. The schematic shows groundwater to be at a depth of 85' bgs. It additionally displays the locations and thicknesses of the polyethylene and clay barriers within the vertical profile. Additionally enclosed are a new histogram and data entry spreadsheet reflecting actual site conditions.

The model is premised upon the establishment of a series of impermeable barriers atop a contaminant plume. These impermeable barriers will serve to retard or eliminate the vertical migration of surface water directly atop the plume. Any such percolation will be diverted to the more permeable areas located outside of the liners. The soils located outside of the liners will have confirmed soil chloride concentration of <250 ppm. Hydrocarbons are not present at the site.

The significant input data used within the VADSAT model are described as follows:

**Control Data**

Time Period: 200 years

Modeling Method: Deterministic

### **Source Data**

**Waste Zone Thickness:** Within the model, this is the thickness of the plume lying beneath the impermeable liners and extending to the groundwater. It is defined as 50' or the distance from the bottom of the clay liner to groundwater.

**Waste Zone Area:** Based on actual excavated dimensions, the Waste Zone Area has been redefined as 3,721 sq. meters (175' X 175').

**Initial Total Concentration in Waste:** Exhibit 6 of the Abatement Plan shows a table describing the results of tests conducted on soil samples collected from borings taken from the site. The highest chloride concentration shown below the 35' excavation depth is 2,800 ppm taken from a depth of 40' bgs within Test Bore # 1. This was the number used within the model.

### **Unsaturated Zone Data**

This is the area contained within the impermeable liners. The soil type was selected as "All Groups". The hydraulic conductivity is determined by the model to be .088 meters / day. Similarly, the hydrological database is described as bedded sedimentary with a thickness of 35'. All other data entry was default within the model.

### **Saturated Zone**

With the exception of having selected bedded sedimentary rock as appropriate for the hydrological database, all other data entry was default within the model.

### **Net Infiltration Rate**

As noted in l.d of your January 31<sup>st</sup> letter, this rate is used to describe the infiltration rate as modified by the existence of a series of impermeable barriers atop the plume.

- 2. The time frame used for modeling contaminant migration was a 200 year period. Please provide manufacturer specifications or other information verifying that the liner will remain intact for this time period.***

### **Response:**

Attached, please find copies of the manufacturer's Material Safety Data Sheet, Technical Data Sheet and a letter dated February 20<sup>th</sup> from the liner manufacturer advising of the probability of the liner remaining intact for the cited period.

- 3. Please provide a map showing the proposed locations of additional monitor wells for determining the lateral and down-gradient extent of groundwater contamination at the site.***

**Response:**

Referencing Exhibits 7 and 19A of the submitted plan, we drilled a monitoring well over 500 feet up-gradient of the point source and discovered that the "background" waters entering the point source area carry a chloride concentration of 1,312 ppm. Our existing monitor well # 4 situated approximately 1,000 feet down-gradient from the plume source carries a chloride concentration of 674 ppm. We are not required to delineate the down-gradient concentrations to any point lower than the concentrations entering the site.

***4. Please provide a schematic diagram showing how the proposed monitor wells will be completed.***

**Response:**

We do not plan to install any further monitoring wells at the site at this time. Should such additional wells be required in the future, their construction will be identical to those shown in exhibits 16I & J of the report.

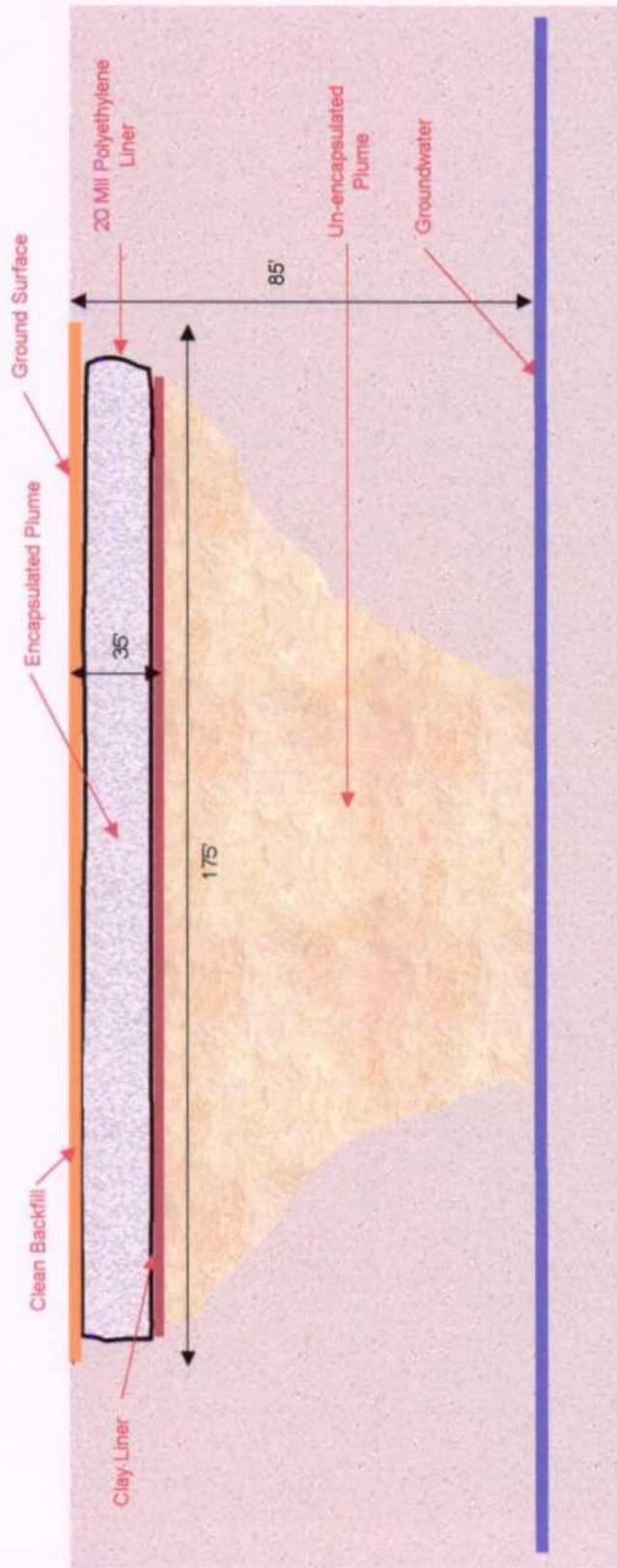
Bill, I hope that this addresses all of your outstanding issues. If not, please do not hesitate to call.

Warmest regards,

Mike Griffin  
President  
Whole Earth Environmental, Inc.

CC: Carolyn Haynes / Rice Operating  
Paul Sheeley / NMOCD

*Rice Operating Company*  
Junction Box E-15  
Encapsulation Schematic





**Whole Earth Environmental, Inc**  
**Rice Operating Company**  
**E-15 Remediation Project**

**E&P Waste Management / Exposure Assessment Model**

Control Data	Entry	U / M
Deterministic	Yes	
Final Time	73,000	Days
Time Interval	365	Days
Monte Carlo	No	
Low Permeability Layer Below Contamination	No	

Source Data		
Waste Zone thickness	50	Feet
Waste Zone Area	3,721	sq. meter
Ratio of Length to Width	1.0	
Initial Total Concentration in Waste	2,800	ppm

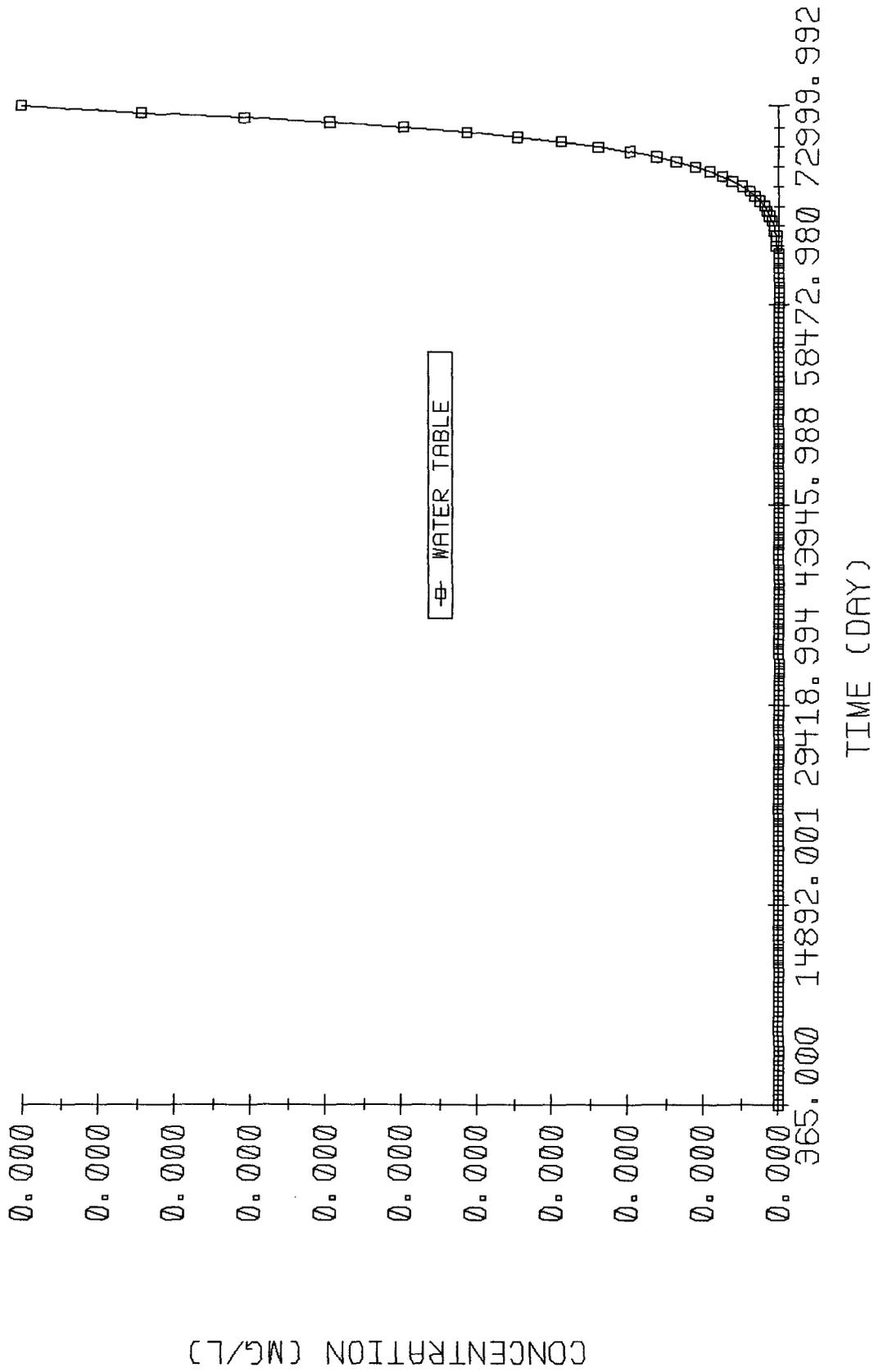
Chemical Data	
NaCl	Yes

Unsaturated Zone		
Soil Database	All Groups	
Hydraulic Conductivity	0.088	meters / day
Hydrological Database	Bedded Sedimentary	
Unsaturated Zone Thickness	35	Feet
Soil Database	All Groups	
van Genuchten	1.09	(Default)
Residual Water Content	0.068	
Unsaturated Zone Dispersivity	0	(Internally)

Saturated Zone		
Aquifer Porosity	0.02	(Default)
Longitudinal Dispersivity	0	(Internally)
Ratio of Long. / Trans. Dispersivities	3	
Ratio of Trans. / Vert. Dispersivities	87	
Hydrological Database	Bedded Sedimentary	
Aquifer Thickness	10	meters
Aquifer Gradient	0.00928	
Saturated Hydraulic Conductivity	0.13	meters / day

Net Infiltration Rate	0.00001	ft. / day
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RICE E-15





Environmental Lining Systems, Inc.

P.O. Box 4306 Odessa, Texas 79760  
5200 Johnson Rd. 79764

Phone: (915) 366-2611

1-800-842-0945  
FAX: (915) 366-2999

**TECHNICAL SPECIFICATION SHEET**  
**20 MIL BLACK POLYETHYLENE**

<u>PROPERTIES</u>	<u>TEST METHOD</u>	<u>VALUE</u>
Thickness mils	ASTM D 1593	20
Weight per 1000 Sq.ft.		100 lbs
Density lb/cm <sup>3</sup>	ASTM D792	57.7 lbs.
Tensile Strength at Yield	ASTM D638	40 lbs.
Tensile Strength at Break	ASTM D638	90 lbs.
Elongation at Break	ASTM D638	700 %
Hydrostatic Resistance	ASTM D751	122
Puncture Resistance	FTMS 101 C	36
Tear Resistance	ASTM D1004	13
Volatile Loss	ASTM 1203	<1%
Resistance to Soil Burial	ASTM G22	-4%
Low Temp, Failure	ASTM D746	<-94
Dimensional Stability %Change	ASTM D1204	<2
Environmental Stress Crack Resistance Hours to failure	ASTM D5397 Method A	>400
Carbon Black %	ASTM D1803	2.75
WVTR GH <sub>2</sub> O/100 in 2/24 hrs (g H <sub>2</sub> O/m <sup>2</sup> /24 hrs.	ASTM E96 Method A73 F, 50% RH	.020 (.022)

Note: To the best of our knowledge, these are typical property values and are intended as guides only. Not as specification limits.

QUICK IDENTIFIER (in Place of Common Name)  
2010B

**MATERIAL SAFETY DATA SHEET**

Manufacturers Name: **RAVEN INDUSTRIES INC.**  
Address: **P.O. Box 5107  
Sioux Falls, SD 57117**

Emergency Telephone Numbers: **800-635-3456  
605-335-0174**  
Other Information: **1812 "E" Avenue  
Sioux Falls, SD 57104**

Signature of Person Responsible for Preparation:

Date Prepared: **October 27, 1997**

**Section 1 - IDENTIFY**

Common Name (Used on Label) (Trade Name & Synonyms): **RUFCO 2010B**  
Chemical Name: **Copolymer of Ethylene and Octene-1**  
Formula: **(CH<sub>2</sub> - CH<sub>2</sub>)<sub>n</sub>**

CAS Number(s): **26221-73-8 1333-86-4  
25213-02-9**  
Chemical Family: **Polyolefin**

**Section 2 - HAZARDOUS INGREDIENTS**

Principal Hazardous Component(s): Chemical and Common Name(s) Threshold Limit Value (units)  
**None Known**

**Section 3 - PHYSICAL & CHEMICAL CHARACTERISTICS (Fire & Explosion Data)**

Boiling Point	Not Applicable (N/A)			Specific Gravity	0.93	Vapor Pressure, mmHg	N/A
Percent Volatile by Volume (%)	0	Vapor Density	N/A	Evaporation Rate	N/A		
Solubility in Water	Insoluble in Water			Reactivity in Water	Not Reactive in Water		
Appearance and Odor	Black, odorless plastic film.						
Flash Point	N/A	Flammability Limits in Air, by Volume (%)	Lower: N/A	Upper: N/A	Auto Ignition Temperature	> 650 F (estimated)	
Extinguisher	Use water spray, dry chemical, foam or carbon dioxide						
Special Fire Fighting Procedures	Fire fighters should wear a self-contained breathing apparatus when there is a possibility of exposure to smoke, fumes or hazardous decomposition products. If possible, water should be applied as a spray from a fogging nozzle since this material is a surface burning material.						

Unusual Fire and Explosion Hazards

**Section 4 - PHYSICAL HAZARDS**

Stability - Unstable	Stable	X	Conditions to Avoid	Temperatures over 570 F will release combustible gases.
Compatibility	Strong oxidizing agents.			
Hazardous Decomposition Products	The following combustion products may be generated: Carbon dioxide, carbon monoxide, water vapor, and trace volatile organic compounds.			
Hazardous Polymerization	May Occur		Conditions to Avoid	N/A
	Will not Occur	X		

**Section 5 - HEALTH HAZARDS**

Threshold Limit Value	N/A					
Signs and Symptoms of Exposure						
1. Acute Overexposure	Not Determined		2. Chronic Overexposure	Not Determined		
Medical Conditions Generally Aggravated by Exposure	There are no known medical conditions aggravated by exposure to this product.					
Chemical Listed as Carcinogen or Potential Carcinogen	National Toxicology Program	Not Listed	IARC Monographs	Not Listed	OSHA	Not Listed
OSHA Permissible Exposure Limit	None	ACGIH Threshold Limit Value	None	Other Exposure Limit Used	None	
Emergency and First Aid Procedures	Most problems will result from exposure to molten materials.					
1. Inhalation	Immediately remove victim from area to fresh air. Seek medical attention.					
2. Eyes	If contacted by molten material, immediately flush eyes with plenty of cool water for at least 15 minutes. Do not permit victim to rub eyes. Immediately seek medical attention.					
3. Skin	If contact by molten material, cool immediately with cool water. Do not attempt to remove any solidified material. Immediately seek medical attention.					
4. Ingestion	If material is ingested, contact a physician or Poison Control Center as appropriate whenever any foreign object is swallowed.					

**Section 6 - SPECIAL PROTECTION INFORMATION**

Respiratory Protection (Specify Type)	N/A					
Ventilation	Local Exhaust	Mechanical (General)	Special	Other		
N/A	N/A	N/A	N/A	N/A		
Protective Gloves	Wear protective gloves during thermal processing.		Eye Protection	Wear eye protection during thermal processing.		
Other Protective Clothing or Equipment	Wear protective sleeves when processing material at elevated temperatures to minimize the possibility of thermal burns.					

**Section 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES**

Precautions to be Taken in Handling and Storage	This product should be stored in a manner that they are not exposed to ultra-violet light, excessive moisture, heat and sources of ignition. A static charge may be present on finished products.					
Other Precautions						
Steps to be Taken in Case Material is Released or Spilled	Spilled material should be swept up and discarded. Comply with applicable federal, state or local regulations.					
Waste Disposal Methods	Dispose in accordance with local regulations					

**IMPORTANT - Do not leave blank spaces. If information is unavailable, unknown or does not apply, so indicate**

# RUFECO<sup>®</sup> 2000B, 3000B & 4000B

## PRODUCT DESCRIPTION

**RUFECO 2000B, 3000B and 4000B** are mono-layer membranes consisting of a very flexible, linear low-density polyethylene (LLDPE). LLDPE provides high elongation, tremendous tear resistance and bursting strength. A minimum carbon black content of 2.5% provides excellent protection from UV rays and harsh weather conditions. They do not contain plasticizers which can migrate to the surface, causing premature aging. Manufactured from virgin resins, **RUFECO 2000B, 3000B and 4000B** are designed to provide a high quality yet economical geomembrane.

## PRODUCT USE

**RUFECO 2000B, 3000B and 4000B** are used in applications that require excellent outdoor longevity and chemical resistance. These are very flexible materials that will conform to almost any surface.

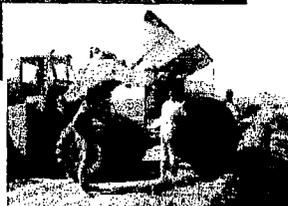
## SIZE & PACKAGING

**RUFECO 2000B** is available in 50,000 square foot panels and **RUFECO 3000B** in up to 33,000 square foot panels. **RUFECO 4000B** is available in up to 25,000 square foot panels. All panels are accordion folded every 5 feet, and tightly rolled onto a heavy duty core for ease of handling and time saving installation.



*Holding Pond*

**RAVEN**  
INDUSTRIES  
Flexible Films Department



*Large Factory Welded Panel*

PRODUCT	PART NUMBER
RUFECO 2000B	2000B
RUFECO 3000B	3000B
RUFECO 4000B	4000B

## COMMON APPLICATIONS

- Decorative Ponds
- Pond/Canal Liners
- Outdoor Covers
- Fire Ponds
- Remediation Liners
- Cargo Covers
- Brine Ponds
- Oil Field Pit Liners
- Silage Covers
- Mine Tailing Ponds
- Interim Landfill Caps
- Waste Water Ponds
- Golf Course Pond Liners
- Farm Ponds
- Leachate Collection Ponds

**Rufco**

# RUF<sup>CO</sup>® 2000B, 3000B & 4000B

Properties	Test Method	RUF <sup>CO</sup> 2000B		RUF <sup>CO</sup> 3000B		RUF <sup>CO</sup> 4000B	
		Min. Roll Averages	Typical Roll Averages	Min. Roll Averages	Typical Roll Averages	Min. Roll Averages	Typical Roll Averages
Thickness mils (mm)	ASTM D 1593	18 (.46)	20 (.51)	28 (.71)	30 (.76)	37 (.94)	40 (1.02)
Density lb/ft <sup>3</sup> (g/cm <sup>3</sup> )	ASTM D792 or ASTM D1505		57.7 (.925)		57.7 (.925)		57.7 (.925)
Minimum Tensile lb/in. width (N/cm width)	ASTM D638 1. Tensile Strength at Yield 2. % Elongation at Yield 3. Tensile Strength at Break 4. % Elongation at Break 5. Modulus @ 100% Elongation	35 (91) 13 84 (162) 650	40 (70) 13 88 (154) 700 32 (56)	55 (96) 13 120 (215) 650	60 (105) 13 125 (224) 700 48 (84)	80 (140) 13 170 (305) 650	84 (147) 13 175 (314) 700 68 (119)
Hydrostatic Resistance psi (kPa)	ASTM D751	118 (814)	122 (841)	180 (1241)	185 (1276)	230 (1586)	250 (1724)
Puncture Resistance lb/ft (N)	FTMS 101 C Method 2065	33 (147)	36 (160)	48 (214)	52 (231)	61 (271)	65 (289)
Tear Resistance lb/ft (N)	ASTM D1004	11 (49)	13 (58)	18 (80)	20 (89)	24 (107)	26 (116)
Volatile Loss Method A	ASTM 1203		<1%		<1%		<1%
Resistance to Soil Burial (% change maximum in original value)	ASTM G22 1. Tensile Strength at Yield 2. Tensile Strength at Break 3. Elongation at Yield 4. Elongation at Break 5. Modulus of Elasticity		-4%		-4%		-4%
Low Temp. Impact Failure Temp F (C)	ASTM D746		< -70 (< -94)		< -70 (< -94)		< -70 (< -94)
Dimensional Stability % Change	ASTM D1204		< 2		< 2		< 2
Environmental Stress Crack Resistance Hours to failure	ASTM D5397 Method A		> 400		> 400		> 400
Carbon Black %	ASTM D1803	2.5	2.75	2.5	2.75	2.5	2.75
WVTR g H <sub>2</sub> O/100 in <sup>2</sup> /24 hrs (g H <sub>2</sub> O/m <sup>2</sup> /24 hrs)	ASTM E96 Method A 73° F, 50% RH		.020 (.022)		.017 (.019)		.016 (.018)
Perms grains/ft <sup>2</sup> /hr/in. Hg (grams/m <sup>2</sup> /day/mm Hg)	ASTM E96 Method A 73° F, 50% RH		.027 (.032)		.023 (.028)		.021 (.026)
<b>FACTORY SEAM REQUIREMENTS</b>							
Bonded Seam Strength lb/in. width (N/cm width)	ASTM D4437	40 (70)	45 (79)	61 (107)	68 (119)	72 (126)	80 (140)
Seam Peel Adhesion lb/in. width (N/cm width)	ASTM D4437	32 (56)	36 (63)	48 (84)	53 (93)	56 (98)	62 (109)

Nominal Weight /Thousand Square Feet: RUF<sup>CO</sup> 2000B - 100 lbs., RUF<sup>CO</sup> 3000B - 150 lbs., RUF<sup>CO</sup> 4000B - 200 lbs.



## PRODUCT DESCRIPTION

**RUFECO 2000B**, 3000B and 4000B are mono-layer membranes consisting of a very flexible, linear low-density polyethylene (LLDPE). LLDPE provides high elongation, tremendous tear resistance and bursting strength. A minimum carbon black content of 2.5% provides excellent protection from UV rays and harsh weather conditions. They do not contain plasticizers which can migrate to the surface, causing premature aging. Manufactured from virgin resins RUFECO 2000B, 3000B, and 4000B are designed to provide a high quality yet economical geomembrane.

## PRODUCT USE

RUFECO 2000B, 3000B, and 4000B are used in applications that require excellent outdoor longevity and chemical resistance. These are very flexible materials that will conform to almost any surface.

## SIZE & PACKAGING

RUFECO 2000B is available in 50,000 square foot panels and RUFECO 3000B in up to 33,000 square foot panels. RUFECO 4000B is available in up to 25,000 square foot panels. All panels are accordion folded every 5 feet, and tightly rolled onto a heavy duty core for ease of handling and time saving installation.

## COMMON APPLICATIONS

- Decorative Ponds
- Pond/Canal Liners
- Outdoor Covers
- Fire Ponds
- Remediation Liners
- Cargo Covers
- Brine Ponds
- Oil Field Pit Liners
- Silage Covers
- Mine Tailing Ponds
- Interim Landfill Caps



- Waste Water Ponds
- Golf Course Pond Liners
- Farm Ponds
- Leachate Collection Ponds

**PRODUCT            PART**

RUFCO 2000B ..... 2000B  
RUFCO 3000B ..... 3000B  
RUFCO 4000B ..... 4000B

**[View Specs](#)**

Home | [Engineered Films](#) | [Electronics](#) | [Flow Controls](#) | [Sportswear](#) | [Financial](#)  
Raven Industries Inc., PO Box 6107, Sioux Falls, SD 57117-5107  
Ph: (605) 336-2760  
[info@ravenind.com](mailto:info@ravenind.com)

PRODUCT DESCRIPTION	PART NUMBER	COLOR	NOM. MIL THICKNESS	COMMON APPLICATIONS	ADVANTAGES (BENEFITS)	ROLL WIDTH RANGE	PRODUCT TYPE	BASIC ADDITIVES	APPROX. LONGEVITY
RUFECO 300 WHITE	3W/SS3W	W	3.0	12,13,20,21,23	1,4,5,6,7	2	3	1	2
RUFECO 4B	4B	B	3.5	1,2,4,5,8,13,15	1,4,5,6,7,8	4	3	3	3
RUFECO 4WB	4WB	W/B	3.5	8,13,15,16,18,20,21,22	1,4,5,6,7,8	4	3	1,3	3
RUFECO 400 WHITE	4W/SS4W	W	3.5	1,4,12,13,16,18,20,21,22,23,24	1,4,5,6,7	4,5	3	1	2
RUFECO 400 SSB	4SSB	B	3.5	9,15,16,18,20,21,22,23	1,4,5,6,7,8	4,5	3	3	4
RUFECO WRAP	3WPF	W	3.0	25	1,4,5,6,7	6	3	1	2
RUFECO 610B	610B	B	6.0	1,3,4,5,8,11,15	1,2,3,8,9	4,5	1	3	4
RUFECO 1010B	1010B	B	10.0	1,2,3,4,5,8,11,15	1,2,3,6,9	4,5	1	3	6
RUFECO 2010B	2010B	B	20.0	1,2,3,4,8,11,17	1,2,3,6,9	4,5	1	3	6
RUFECO 2000B	2000B	B	20.0	1,2,3,4,6,7,17,20	1,2,3,5,6,9	4,5	1	3	7
RUFECO 3000B	3000B	B	30.0	1,2,3,6,7,17,20	1,2,3,5,6,9	4,5	1	3	7
RUFECO 4000B	4000B	B	40.0	2,3,6,7,17,20	1,2,3,5,6,9	4,5	1	3	8
DURA-SKRIM 2	R6CC	C	6.0	9,10,13,19,20,23,24	1,2,3,5,6,7,8	4	4		1
DURA-SKRIM 6CC	R6CC	C	6.0	8,9,10,13,19,20,23,24	1,2,3,5,6,7,8	4	4		1
DURA-SKRIM 2FR	R6CCF	N	6.0	9,10,13,19,21,23,24	1,2,3,5,6,7,8,9	3	4	2	1
DURA-SKRIM 6WW	R6WWK	W/W	6.0	1,2,3,5,6,9,10,15,16,21,23	1,2,3,4,5,6,7,8	5	4	1,3	3
DURA-SKRIM 8BB	R6BB	B/B	6.0	1,2,4,6,8,15,20	1,2,3,4,5,6,7,8	5	4	2	3
DURA-SKRIM 8WB	R6WBK	W/B	6.0	1,2,4,6,8,11,12,13,14,20,21	1,2,3,4,5,6,7,8	5	4	1,3	3
DURA-SKRIM 8BBR	R6BBR	B/B	6.0	1,2,4,6,8,11,12,13,15,22	1,2,3,4,5,6,7,8	5	4	3	4
DURA-SKRIM 10FR	R10CCF	N	10.0	5,8,9,19,20,21,23,24	1,2,3,5,6,7,8,9	3	4	2	2
DURA-SKRIM 10HUV	R10CCU	C	10.0	2,4,8,9,10,11,13,19,20,21,23,24	1,2,3,5,6,7,8	6	4	1	5
DURA-SKRIM 12WB	R12WBK	W/B	12.0	1,2,3,4,5,6,8,11,14,15,20	1,2,3,5,6,7,8	5	4	1,3	5
DURA-SKRIM 12BBR	R12BBR	B/B	12.0	1,2,3,4,5,6,7,8	1,2,3,5,6,7,8	5	4	3	5
DURA-SKRIM R20WW	R12WWK	W/W	20.0	1,2,3,5,6,11,12,17,20	1,2,5,6,9	4,5	4	1	6
CANVEX I	CIC	C	6.0	10,13,19,21,23,24	2,4,7	1	5	1	1
CANVEX 84WB	C84WB	W/B	6.0	8,15,16,18,21,23	2,4,7,8	4	5	1,3	3
CANVEX CB12WB	CB12WB	W/B	12.0	1,2,3,4,5,6,6,10,11,12,14,15	1,2,4,5,6,7,8	4,5	5	1,3	5

Color: C=Clear B=Black W=White N=Natural WW=White/White WB=White/Black BB=Black/Black

**COMMON APPLICATIONS**

**GEOMEMBRANE LINING & COVERS**

1. Oil Field Pit Liners
2. Remediation Liners & Covers
3. Pond Liners
4. Erosion Control Covers
5. Daily Landfill Covers
6. Interim Landfill Covers
7. Landfill Caps

**INDUSTRIAL**

8. Outdoor Covers
9. Fumigation Covers
10. Lead & Asbestos Abatement
11. Stock Pile Covers
12. Rail Car Covers
13. Product Wrapping

**AGRICULTURAL**

14. Grain Covers
15. Hay/Silage Covers
16. Poultry House Ceilings
17. Waste Disposal Liners
18. Hog Confinement Ceilings

**CONSTRUCTION**

19. Enclosure Film
20. Under-slab Vapor Barrier
21. Ceiling & Wall Vapor Barrier
22. Radon Retarder
23. Divider Curtains
24. Lead & Asbestos Abatement
25. House Wrap

**ADVANTAGES (BENEFITS):**

1. High Puncture Resistance
2. High Tear Resistance
3. High Elongation
4. Low Elongation
5. Low Permeability

6. Pin Hole Free
7. Economical
8. Good Outdoor Longevity
9. Fire Retardant

**ROLL WIDTH RANGE:**

1. Up to 20'
2. Up to 32'
3. Up to 40'
4. Up to 150'
5. Consult Factory for Widths over 150'
6. Consult Factory for sizes

**PRODUCT TYPE:**

1. Extruded 1 Layer
2. Co-Extruded 3 Layers
3. Cross Laminated (HDPE/LDPE/HDPE)
4. LLDPE Blend Laminated with Scrim Reinforcement
5. Woven HDPE Ribbons and Coated Both with LDPE

**BASIC ADDITIVES:**

1. Ultraviolet Inhibitors/Thermal Stabilizer
2. Fire Retardant
3. Carbon Black

**\*APPROXIMATE LONGEVITY IN EXPOSED APPLICATIONS:**

1. Up to 6 Months
2. Up to 9 Months
3. Up to 12 Months
4. Up to 18 Months
5. Up to 2 Years
6. Up to 5 Years
7. Up to 10 Years
8. Up to 15 Years

\*Note: Longevity varies with actual location and weather conditions which include sun or shade, extreme heat or cold, wind, altitude, installation and many others variables. Because of these variables, we cannot determine exact longevity.

Roll Lengths are typically 100'. Many other roll lengths are available.

LDPE=Low Density Polyethylene  
 LLDPE=Linear Low Density Polyethylene  
 VLDPE=Very Low Density Polyethylene

MDPE=Medium Density Polyethylene  
 HDPE=High Density Polyethylene



February 20, 2002

ENGINEERED FILMS DIVISION

**LIFETIME OF POLYETHYLENE LINERS**

Raven Industries has not performed long term aging studies on polyethylene geomembranes and does not have data to predict lifetime in a buried application. Most polyethylene products are not used in applications where the useful life of the product is more than 20 years. Comments on lifetimes in excess of 100 years are based on anecdotal field data and limited accelerated aging studies. Polyethylene was discovered as a substance in 1933 and the first wave of linear polyethylenes, similar to those used in geomembranes, became commercial in the late 1960's.

What we do know is that polyethylene is a chemically inert polymer, not containing any reaction prone functional groups. Because of this, polyethylene, in the absence of UV and strong oxidizers, lasts a long time without loss of properties. In a buried application, in between two layers of clayey soil, the main degradation mechanism is oxidation. This reaction takes place very slowly at ambient temperatures and is further hindered by the antioxidants that are part of the polyethylene formulation.

In order to predict lifetime limits due to oxidation, long term accelerated tests need to be performed. If the acceleration tool attempts to accelerate the degradation too much, the degradation mechanism is likely to be changed and the resulting prediction inaccurate. As a rule of thumb, an acceleration factor up to 10 is reasonable. A factor of 100 is not and those attempting to predict lifetimes based on such high acceleration factors are risking bad interpretations and a bad reputation.

All that aside, it is desirable to make some attempt at predicting lifetimes for geomembranes that are used in applications such as hazardous or low level radioactive waste disposal where design lifetimes are on the order of 1,000 years or more. Doctors Hsuan and Koerner of the Geosynthetic Research Institute are conducting such studies and pushing the envelope on the acceptable level of acceleration. In a paper published in the Journal of Geotechnical and Geoenvironmental Engineering in June of 1998, they published results showing that the depletion of the antioxidants in a buried HDPE geomembrane would take 200 years or more at 20°C. Depletion of the antioxidants takes place prior to the induction period that precedes the degradation period. The time for the degradation to reach a point where the polymer is compromised is in itself very long and it's length is not speculated on in the paper.

Raven's liners are made from a similar but lower density polyethylene than evaluated in the above referenced paper, and do contain antioxidants for protection against oxidative degradation and carbon black for protection against UV degradation. While Raven Industries is not willing to warrant, guarantee or predict a lifetime of 200 years in a buried application, there is data and evidence in the industry that indicate that such a prediction is not unreasonable.

A handwritten signature in black ink, appearing to read "Gary M. Kolbasuk".

Gary M. Kolbasuk  
Raven Industries



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**GARY E. JOHNSON**  
Governor  
**Carol Leach**  
Acting Cabinet Secretary

**Lori Wrotenbery**  
Director  
Oil Conservation Division

January 31, 2002

**CERTIFIED MAIL**

**RETURN RECEIPT NO: 7001-1940-0004-3929-7099**

Ms. Carolyn Doran Haynes  
Rice Operating Company  
122 West Taylor  
Hobbs, New Mexico 88240

**RE: STAGE 1 AND STAGE 2 ABATEMENT PLAN PROPOSALS (AP-27)  
JUNCTION BOX E-15 SITE  
LEA COUNTY, NEW MEXICO**

Dear Ms. Haynes:

The New Mexico Oil Conservation Division (OCD) has reviewed Rice Operating Company's (Rice) October 29, 2001 "(AP-27) STAGE 1 AND STAGE 2 PUBLIC NOTICE, JUNCTION BOX E-15 RELEASE SITE, BD SALT WATER DISPOSAL SYSTEM, SW/4 NW/4 SECTION 15-T22S-R37E, LEA COUNTY, NEW MEXICO" and June 5, 2001 "ABATEMENT PLAN AP-27: STAGE I AND STAGE II: JUNCTION BOX E-15 SITE, UL D&E, SEC 15, T22S, R37E, BLINEBRY DRINKARD SWD SYSTEM, LEA COUNTY, NEW MEXICO". These documents contain Rice's proposed Stage 1 and Stage 2 abatement plans for investigation and remediation of contamination related to Rice's Junction Box E-15 Site located in Unit D and Unit E of Section 15, Township 22 South, Range 37 East, Lea County, New Mexico. The documents also contain proof of public notice.

The OCD has the following comments and requests for information regarding the above-referenced documents:

1. The report does not explain or contain a discussion of how the conceptual model used in Vadsat for modeling contaminant migration is supposed to represent future migration of salts in the vadose zone. In addition, the model does not appear to be represented by actual site conditions as set out below:
  - a. The waste zone thickness used in the model is 30 meters, but the total vadose zone thickness at the site is only 77 feet.

- b. The soil thickness above the waste zone is listed as 5 meters but the remediation protocol in exhibit 24 states that only 5 feet of clean soil will overlay the top liner.
- c. The unsaturated zone portion of the model assumes that the vadose zone contains 8 meters of bedded clays; but, the drilling logs show that the vadose zone is comprised of a 25 foot caliche layer overlying approximately 48 feet of unsaturated sands.
- d. The assumed net infiltration rate is assumed to be 0.00001 ft/day. Does this represent the infiltration rate of the native soil or is this supposed to represent the infiltration rate as controlled by the liner system?

Please provide a diagram of the conceptual model and an explanation and discussion of how the model represents future contaminant migration, including the rationale for the assumptions used in the model.

2. The time frame used for modeling contaminant migration was a 200 year period. Please provide manufacturer specifications or other information verifying that the liner will remain intact for this time period.
3. Please provide a map showing the proposed locations of additional monitor wells for determining the lateral and downgradient extent of ground water contamination at the site.
4. Please provide a schematic diagram showing how the proposed monitor wells will be completed.

Please submit the above information to the OCD Santa Fe Office by March 1, 2002 with a copy provided to the OCD Hobbs District Office. Submission of this information will allow the OCD to continue a review of the Stage 2 Abatement Plan.

If you have any questions, please contact me at (505) 476-3491.

Sincerely,



William C. Olson  
Hydrologist  
Environmental Bureau

cc: Chris Williams, OCD Hobbs District Office  
Mike Griffin, Whole Earth Environmental

# RICE Operating Company

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

**CERTIFIED MAIL**  
**RETURN RECEIPT NO. 7000 1530 0005 9895 4268**

October 29, 2001

Mr. Roger C. Anderson  
State of NM Energy and Minerals Dept.  
Oil Conservation Division  
1220 South Saint Francis Drive  
Santa Fe, NM 87504

RECEIVED

OCT 31 2001

ENVIRONMENTAL BUREAU  
OIL CONSERVATION DIVISION

Re: (AP -27) Stage 1 and Stage 2 Public Notice  
Junction Box E-15 Release Site  
BD Salt Water Disposal System  
SW/4 NW/4 Section 15-T22S-R37E  
Lea County, New Mexico

Dear Mr. Anderson:

Rice Operating Company (ROC) has compiled the documentation of the written and public notice concerning the Stage 1 and Stage 2 Abatement Plan Proposals, Junction Box E-15 Release Site. The certified mailing was distributed October 11, 2001 and the published notice appeared in the Hobbs News Sun, Lovington Daily Leader, and the Albuquerque Journal on October 17, 2001. Proof of Notice is enclosed with this letter.

ROC will await the public and NMOCD response to the Stage 1 and Stage 2 Abatement Plan Proposals.

If you have any questions, please contact me at 505-393-9174.

Sincerely,

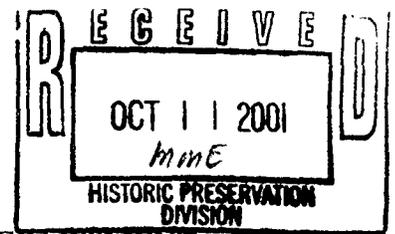


Carolyn Doran Haynes  
Operations Engineer

Enclosures: Stage 1 and 2 Written and Public Notice Verification  
Landownership Map, Listing  
cc: LBG, file, Mr. Irvin Boyd  
Mike Griffin, Whole Earth  
Mr. Chris Williams, OCD Hobbs Office

063508

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 1 and Stage 2 Abatement Plan Proposals have been submitted to the Director of the Oil Conservation Division, 1220 St. Francis Dr., Santa Fe, New Mexico 87505, Telephone (505) 476-3440:

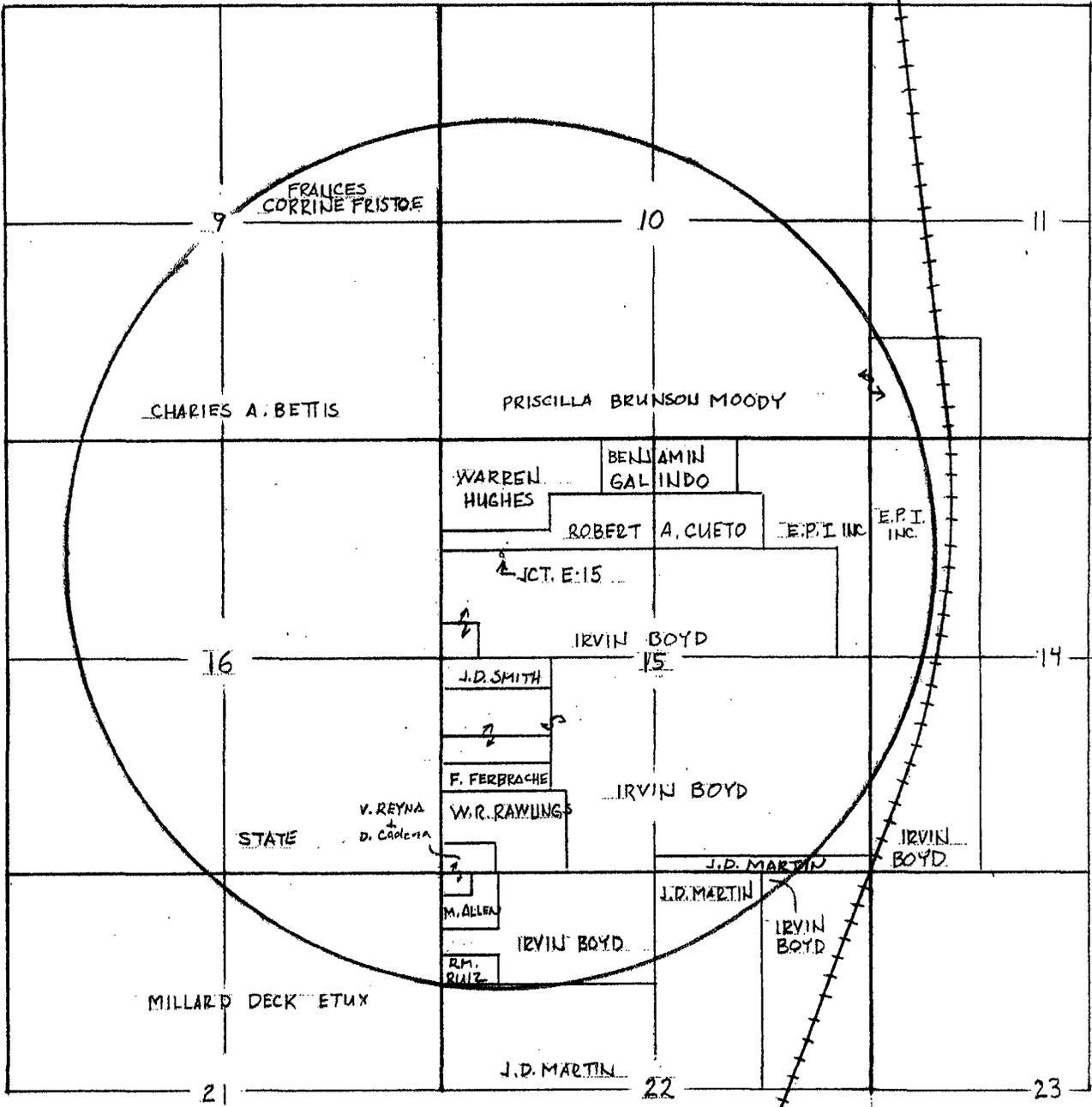
Rice Operating Company, Carolyn Doran Haynes, Operations Engineer, Telephone (505) 393-9174, 122 West Taylor, Hobbs, New Mexico 88240, has submitted Stage 1 and Stage 2 Abatement Plan Proposals for the Junction Box E-15 Site, located in Unit D and Unit E of Section 15 of Township 22 South, Range 37 East, NMPM, Lea County, New Mexico. Rice Operating Company operates a produced water pipeline at the site. Chloride contamination in excess of New Mexico Water Quality Control Commission standards has been observed in ground water at the site. The Stage 1 and Stage 2 Abatement Plan Proposals presents the following activities: determine site geology and hydrogeology; conduct a registered water well search within a 1 mile radius of the site; install monitoring wells; collect soil samples for field screening and/or laboratory analysis from each boring; collect ground water samples for laboratory analysis from each monitoring well; obtain depth to ground water measurements and calculate the ground water gradient and direction; survey all well locations by a professional land surveyor registered in the State of New Mexico; proposed methods for remediation of the site including remediation of contaminated soils, remediation of contaminated ground water, site maintenance activities; a monitoring and sampling plan for soils and ground water; preparation of regular reports; and a schedule for implementation of all investigation, remediation and monitoring activities

Any interested person may obtain further information from the Oil Conservation Division and may submit to the Director of the Oil Conservation Division, at the address given above, written comments or a written request for a public hearing that include reasons why a hearing should be held. The Stage 1 and Stage 2 Abatement Plan Proposals may be viewed at the above address or at the Oil Conservation Division Hobbs 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 the proposed Stage 1 and Stage 2 Abatement Plan Proposals, 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 or a written request for a hearing may be submitted.

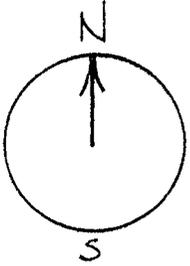
*Michelle Emery*  
COMMENT  
10/29/01  
NMCHPO

Thank you for submitting this notice to the Historic Preservation Division (HPD). We have consulted our records and have determined that no known archaeological sites exist in the proposed abatement plan area. HPD has no concerns regarding the proposed project at this time. However, if archaeological artifacts are discovered, please contact this office immediately.

R. 37 E



T 22 S



DWN	SRT	B-30-01	BLINEBRY DRINKARD SWD SYSTEM SURFACE OWNERSHIP 1 MILE RADIUS OF JCT. E-15	SCALE 1"=2000'
			Rice Operating Company	DWG NO.
			Hobbs, New Mexico	

BLINEBRY DRINKARD SWD SYSTEM

AFE 705

Surface Ownership 1-Mile Radius Around Jct. E-15

Sec. 15, T22S, R37E

Warren Hughes  
P.O. Box 276  
Eunice, NM. 88231

Benjamin Galindo  
P.O. Box 1722  
Eunice, NM. 88231

Irvin Boyd  
P.O. Box 121  
Eunice, NM. 88231

James Dan Smith  
P.O. Box 941  
Eunice, NM. 88231

Robert Cueto  
P.O. Box 56  
Eunice, NM. 88231

Environmental Plus Inc.  
P.O. Box 1558  
Eunice, NM. 88231

Jay D. Martin  
P.O. Box 416  
Eunice, NM. 88231

William Rawlings  
P.O. Box 1628  
Eunice, NM. 88231

Vincente Reyna &  
Dorotea Cadena  
P.O. Box 244  
Eunice, NM. 88231

Fred Ferbrache  
P.O. Box 434  
Eunice, NM. 88231

Sec. 14, T22S, R37E

Environmental Plus  
P.O. Box 1558  
Eunice, NM. 88231

Irvin Boyd  
P.O. Box 121  
Eunice, NM. 88231

394 - 3481

Sec. 21, T22S, R37E

Millard Deck Trust % Bank of America  
P.O. Box 270  
Midland, TX. 76101  
Attn: Tim Wolters

Sec. 22, T22S, R37E

Jay D. Martin  
P.O. Box 416  
Eunice, NM. 88231

Irvin Boyd  
P.O. Box 121  
Eunice, NM. 88231

Rosalio M. Ruiz  
P.O. Box 91  
Eunice, NM. 88231

Mike Allen  
P.O. Box 4  
Summers, AR. 72769

Vincente Reyna & Dorotea Cadena  
P.O. Box 244  
Eunice, NM. 88231

Sec. 16, T22S, R37E

State Land Lse to Millard Deck  
P.O. Box 1148  
Santa Fe, NM. 87504-1148  
Attn: Debra Padilla

Sec. 9, T22S, R37E

Frances Corrine Fristoe  
P.O. Box 167  
Murray, KY. 42071

Charlie Bettis  
P.O. Box 969  
Eunice, NM. 88231

Sec. 10, T22S, R37E

Priscilla Brunson Moody  
~~3325 Story Blvd.~~ P.O. Box 50430  
Eugene, OR. 97405

Sec. 11, T22S, R37E

Priscilla Brunson Moody  
~~3325 Story Blvd.~~  
Eugene, OR. 97405

# Affidavit of Publication

STATE OF NEW MEXICO )  
 ) ss.  
COUNTY OF LEA )

Joyce Clemens being first duly sworn on oath deposes and says that she is Advertising Director of **THE LOVINGTON DAILY LEADER**, a daily newspaper of general paid circulation published in the English language at Lovington, Lea County, New Mexico; that said newspaper has been so published in such county continuously and uninterruptedly for a period in excess of Twenty-six (26) consecutive weeks next prior to the first publication of the notice hereto attached as hereinafter shown; and that said newspaper is in all things duly qualified to publish legal notices within the meaning of Chapter 167 of the 1937 Session Laws of the State of New Mexico.

That the notice which is hereto attached, entitled

Notice Of Publication

was published in a regular and entire issue of **THE LOVINGTON DAILY LEADER** and not in any supplement thereof, for one (1) day, beginning with the issue of October 17, 2001 and ending with the issue of October 17, 2001.

And that the cost of publishing said notice is the sum of \$ 59.77 which sum has been (Paid) as Court Costs.

Joyce Clemens

Subscribed and sworn to before me this 22nd day of October 2001.

Debbie Schilling  
Debbie Schilling

Notary Public, Lea County, New Mexico  
My Commission Expires June 22, 2002

mitted to the Director of the Oil Conservation Division, 1220 St. Francis Dr., Santa Fe, New Mexico 87505, Telephone (505) 476-3440:

Rice Operating Company, Carolyn Doran Haynes, Operations Engineer, Telephone (505) 393-9174, 122 West Taylor, Hobbs, New Mexico 88240, has submitted Stage 1 and Stage 2 Abatement Plan

Proposals for the Junction Box E-15 Site, located in Unit D and Unit E of Section 15 of Township 22 South, Range 37 East, NMPM, Lea County, New Mexico. Rice Operating Company operates a produced water pipeline at the site. Chloride contamination in excess of New Mexico Water Quality Control Commission standards has been observed in ground water at the site. The Stage 1 and Stage 2 Abatement Plan

Proposals presents the following activities: determine site geology and hydrogeology; conduct a registered water well search within a 1 mile radius of the site; install monitoring wells; collect soil samples for field screening and/or laboratory analysis from each boring; collect ground water samples for laboratory analysis from each monitoring well; obtain depth to ground water measurements and calculate the ground water gradient and direction; survey all well locations by a professional land surveyor registered in the State of New Mexico; proposed

methods for remediation of the site including remediation of contaminate soils, remediation of contaminated ground water site maintenance activities; a monitoring and sampling plan for soil and ground water; preparation of regular reports and a schedule for implementation of all investigation, remediation and monitoring activities.

Any interested person may obtain further information from the Oil Conservation Division and may submit to the Director of the Oil Conservation Division, at the address given above written comments or a written request for a public hearing that include reasons why a hearing should be held. The Stage 1 and Stage 2 Abatement Plan Proposals may be viewed at the above address or at the Oil Conservation Division Hobbs 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 the proposed Stage 1 and Stage 2 Abatement Plan Proposals, 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 or a written request for a hearing may be submitted.

Published in the Lovington Daily Leader October 17, 2001.

LEGAL NOTICE  
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 1 and Stage 2 Abatement Plan Proposals have been sub-

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

October 17 2001  
and ending with the issue dated

October 17 2001

*Kathi Bearden*

Publisher

Sworn and subscribed to before

me this 17th day of

October 2001

*Jodi Benson*

Notary Public.

My Commission expires  
October 18, 2004  
(Seal)

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  
October 17, 2001  
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 1 and Stage 2 Abatement Plan Proposals have been submitted to the Director of the Oil Conservation Division, 1220 St. Francis Dr., Santa Fe, New Mexico 87505, Telephone (505) 476-3440:

Rice Operating Company, Carolyn Doran Haynes Operations Engineer, Telephone (505) 393-9174, 122 West Taylor, Hobbs, New Mexico 88240, has submitted Stage 1 and Stage 2 Abatement Plan Proposals for the Junction Box E-15 Site, located in Unit D and Unit E of Section 15 of Township 22 South, Range 37 East, NMPM, Lea County, New Mexico. Rice Operating Company operates a produced water pipeline at the site. Chloride contamination in excess of New Mexico Water Quality Control Commission standards has been observed in ground-water at the site. The Stage 1 and Stage 2 Abatement Plan Proposals presents the following activities: determine site geology and hydrogeology; conduct a registered water well search within a 1 mile radius of the site; install monitoring wells; collect soil samples for field screening and/or laboratory analysis from each boring; collect ground water samples for laboratory analysis from each monitoring well; obtain depth to ground water measurements and calculate the ground water gradient and direction; survey all well locations by a professional land surveyor registered in the State of New Mexico; proposed methods for remediation of the site including remediation of contaminated soils, remediation of contaminated ground water, site maintenance activities; a monitoring and sampling plan for soils and ground water; preparation of regular reports; and a schedule for implementation of all investigation, remediation and monitoring activities.

Any interested person may obtain further information from the Oil Conservation Division and may submit to the Director of the Oil Conservation Division, at the address given above, written comments or a written request for a public hearing that include reasons why a hearing should be held. The Stage 1 and Stage 2 Abatement Plan Proposals may be viewed at the above address or at the Oil Conservation Division Hobbs 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 the proposed Stage 1 and Stage 2 Abatement Plan Proposals, 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 or a written request for a hearing may be submitted.

#18492

01104367000      02550938  
Rice Operating Company  
122 West Taylor  
Hobbs, NM 88240

STATE OF NEW MEXICO  
County of Bernalillo

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 17<sup>th</sup> day of October, 2001, and the subsequent consecutive publications on \_\_\_\_\_, 2001.

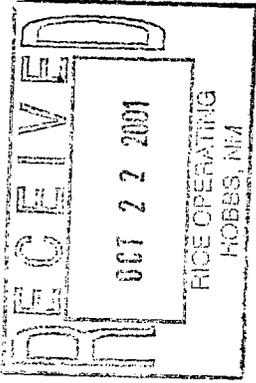
*[Handwritten signature]*

Sworn and subscribed to before me, a Notary Public, in and for the County of Bernalillo and State of New Mexico this 17<sup>th</sup> day October of 2001.

PRICE 40.51

Statement to come at end of month.

ACCOUNT NUMBER C88200



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



OFFICIAL  
Samantha

NOTARY  
STATE OF NEW MEXICO

My Commission Expires: 10/2

*[Handwritten signature: Samantha]*

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 State 1 and Stage 2 Abatement Plan Proposals have been submitted to the Director of the Oil Conservation Division, 1220 St. Francis Dr., Santa Fe, New Mexico 87505, Telephone (505) 476-3440:

Rice Operating Company, Carolyn Doran Haynes, Operations Engineer, Telephone (505) 393-9177, 122 West Taylor, Hobbs, New Mexico 88240, has submitted Stage 1 and Stage 2 Abatement Plan Proposals for the Junction Box E-15 Site, located in Unit D and Unit E of Section 15 of Township 22 south, Range 37 East, NMPM, Lea County, New Mexico. Rice Operating Company operates a produced water pipeline at the site. Chloride contamination in excess of New Mexico Water Quality Control Commission standards has been observed in ground water at the site. The Stage 1 and Stage 2 Abatement Plan Proposals presents the following activities: determine site geology and hydrogeology; conduct a registered water well search within a 1 mile radius of the site; install monitoring wells; collect soil samples for field screening and/or laboratory analysis from each boring; collect ground water samples for laboratory analysis from each monitoring well; obtain depth to ground water measurements and calculate the ground water gradient and direction; survey all well locations by a professional land surveyor registered in the state of New Mexico; proposed methods for remediation of the site including remediation of contaminated soils, remediation of contaminated ground water, site maintenance activities; a monitoring and sampling plan for soils and ground water; preparation of regular reports; and a schedule for implementation of all investigation, remediation and monitoring activities.

Any interested person may obtain further information from the Oil Conservation Division and may submit to the Director of the Oil Conservation Division, at the address given above, written comments or a written request for a public hearing that include reasons why a hearing should be held. The State 1 and Stage 2 Abatement Plan Proposals may be viewed at the above address or at the Oil Conservation Division Hobbs 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 the proposed stage 1 and Stage 2 Abatement Plan Proposals, 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 or a written request for a hearing may be submitted.  
Journal: October, 17, 2001

**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:

Westinghouse Electric Corp  
 Manager-Uranium Res  
 PO Box 355  
 Pittsburgh, PA 15230

**COMPLETE THIS SECTION ON DELIVERY**

A. Received by (Please Print Clearly) B. Date of Delivery

JOHN ELCAINGER

C. Signature

X *[Signature]*

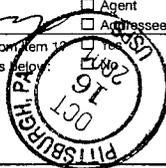
- Agent
- Addressee

D. Is delivery address different from item 1? 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



2  
P

102595-01-M-1424

**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:

Jeanne Haffen  
 El Paso Natural Gas  
 PO Box 1492  
 El Paso, TX 79978

**COMPLETE THIS SECTION ON DELIVERY**

A. Received by (Please Print Clearly) B. Date of Delivery

R.T.F. OCT 17 2001

C. Signature

X *[Signature]*

- Agent
- Addressee

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

Article Number

(Transfer from service label) 7000 1670 0009 8290 2438

S Form 3811, March 2001

Domestic Return Receipt

102595-01-M-1424

**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:

Thomas Kellahin  
 Kellahin & Kellahin  
 PO Box 2265  
 Santa Fe, NM 87501

**COMPLETE THIS SECTION ON DELIVERY**

A. Received by (Please Print Clearly) B. Date of Delivery

C. Signature

X *[Signature]*

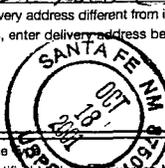
- Agent
- Addressee

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



Article Number

(Transfer from service label) 7000 1670 0009 8290 2568

S Form 3811, March 2001

Domestic Return Receipt

102595-01-M-1424

Is your RETURN ADDRESS completed on the reverse side?

**SENDER:**

- Complete items 1 and/or 2 for additional services. Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- 1.  Addressee's Address
- 2.  Restricted Delivery

3. Article Addressed to:

State Land Office  
 Hobbs District  
 3830 N Grimes Suite C  
 Hobbs, NM 88240

4a. Article Number

7000 1670 0009 8290 2704

4b. Service Type

- Registered  Certified
- Express Mail  Insured
- Return Receipt for Merchandise  COD

7. Date of Delivery

5. Received By: (Print Name)

Myra Meyers

6. Signature (Addressee or Agent)

*[Signature]*

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1994

102595-99-B-0223 Domestic Return Receipt

Is your RETURN ADDRESS completed on the reverse side?

**SENDER:**

- Complete items 1 and/or 2 for additional services. Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- 1.  Addressee's Address
- 2.  Restricted Delivery

3. Article Addressed to:

Mr. Wayne Price  
 NMOCD, Environmental Bureau  
 1220 S. St. Francis Drive  
 Santa Fe, NM 87504

4a. Article Number

7000 1530 0005 9895 4220

4b. Service Type

- Registered  Certified
- Express Mail  Insured
- Return Receipt for Merchandise  COD

7. Date of Delivery

10/19/01

5. Received By: (Print Name)

6. Signature (Addressee or Agent)

*[Signature]*

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1994

102595-99-B-0223 Domestic Return Receipt

Is your RETURN ADDRESS completed on the reverse side?

**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:

Director  
 Division of Water Quality  
 288 North 1460 West  
 Salt Lake City, UT 84114

**COMPLETE THIS SECTION ON DELIVERY**

A. Received by (Please Print Clearly) B. Date of Delivery

C. Signature

X *[Signature]*

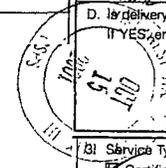
- Agent
- Addressee

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



2. Article Number

(Transfer from service label) 7000 1530 0005 9895 4091

PS Form 3811, March 2001

Domestic Return Receipt

102595-01-M-1424

Thank you for using Return Receipt Service.

Thank you for using Return Receipt Service.

**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:

Gerald R. Zimmerman  
Colorado River Board of Calif  
770 Fairmont Ave Ste 100  
Glendale, CA 91203-1035

2. Article Number

(Transfer from service label) 7000 1530 0005 9895 3995

PS Form 3811, March 2001

Domestic Return Receipt

102595-01-M-1424

**COMPLETE THIS SECTION ON DELIVERY**

A. Received by (Please Print Clearly) B. Date of Delivery

E. Lemus

C. Signature

X [Signature]

 Agent  
 AddresseeD. 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 items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- Addressee's Address
- Restricted Delivery

3. Article Addressed to:

NM Citizens Clean Air & Water  
John Bartlit, Chairman  
113 Monte Ray Dr. North  
Los Alamos, NM 87544

4a. Article Number

7000 1670 0009 8290 2612

4b. Service Type

 Registered  Certified  
 Express Mail  Insured  
 Return Receipt for Merchandise  COD

7. Date of Delivery

10-18-01

5. Received By: (Print Name)

John Bartlit

6. Signature (Addressee or Agent)

[Signature]

8. Addressee's Address (Only if requested and fee is paid)

Is your RETURN ADDRESS completed on the reverse side?

PS Form 3811, December 1994

102595-99-B-0223

Domestic Return Receipt

ed on the reverse side?

**SENDER:**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
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- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- Addressee's Address
- Restricted Delivery

3. Article Addressed to:

Priscilla West  
P. O. Box 50430  
Eugene, OR 97405

4a. Article Number

7000 1670 0009 8290 2766

4b. Service Type

 Registered  Certified  
 Express Mail  Insured  
 Return Receipt for Merchandise  COD

7. Date of Delivery

10/15/01

8. Addressee's Address (Only if requested and fee is paid)

SAME

5. Received By: (Print Name)

PRISCILLA WEST

6. Signature (Addressee or Agent)

[Signature]

PS Form 3811, December 1994

102595-99-B-0223

Domestic Return Receipt

Thank you for using Return Receipt Service.

**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:

PNM  
Alvarado Square  
Alb., NM 87158

**COMPLETE THIS SECTION ON DELIVERY**

A. Received by (Please Print Clearly) B. Date of Delivery

X Priscilla West X

C. Signature

XX [Signature]

 Agent  
 AddresseeD. 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

2. Article Number (Copy from service label)

7000 0520 0022 6430 6735

PS Form 3811, July 1999

Domestic Return Receipt

102595-99-M-1789

**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:

George Vlahos  
Sierra Club  
212 Tulane SE  
Albuquerque, NM 87106

**COMPLETE THIS SECTION ON DELIVERY**

A. Received by (Please Print Clearly) B. Date of Delivery

R. Candelaria 10-18-01

C. Signature

X [Signature]

 Agent  
 AddresseeD. 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

2. Article Number

(Transfer from service label) 7000 1670 0009 8290 2674

PS Form 3811, March 2001

Domestic Return Receipt

102595-01-M-1424

**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:

Colin Adams, Environ. Counsel  
Public Service Co of NM  
414 Silver, SW  
Albuquerque, NM 87108

**COMPLETE THIS SECTION ON DELIVERY**

A. Received by (Please Print Clearly) B. Date of Delivery

R. Candelaria

C. Signature

X [Signature]

 Agent  
 AddresseeD. 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

2. Article Number

(Transfer from service label) 7000 1530 0005 9895 4138

PS Form 3811, March 2001

Domestic Return Receipt

102595-01-M-1424

Thank you for using Return Receipt Service.

**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:

Dr Harry Bishara  
PO Box 748  
Cuba, NM 87013

2. Article Number  
(Transfer from service label) 7000 1530 0005 9895 4046

PS Form 3811, March 2001 Domestic Return Receipt 102595-01-M-1424

**COMPLETE THIS SECTION ON DELIVERY**

A. Received by (Please Print Clearly) Harry Bishara B. Date of Delivery 10/19/01

C. Signature [Signature]  Agent  Addressee

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 items 1 and/or 2 for additional services. Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

3. Article Addressed to:

Mr. Wayne Price  
NM Energy, Minerals, and Natural Resources  
Oil Conservation Division, Environment  
1220 S. St. Francis Drive  
Santa Fe, NM 87505

5. Received By: (Print Name)

6. Signature (Addressee or Agent)  
[Signature]

PS Form 3811, December 1994

**I also wish to receive the following services (for an extra fee):**

- Addressee's Address
- Restricted Delivery

4a. Article Number 7000 1530 0001 9928 4607

4b. Service Type  
 Registered  Certified  
 Express Mail  Insured  
 Return Receipt for Merchandise  COD

7. Date of Delivery 10-15-01

8. Addressee's Address (Only if requested and fee is paid)

**SENDER:**

- Complete items 1 and/or 2 for additional services. Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

3. Article Addressed to:

Mr. Paul Sheeley  
NM Energy, Minerals, & Natural Resources  
Oil Conservation Division  
1625 N. French  
Hobbs, NM 88240

5. Received By: (Print Name)  
WANCY CARR

6. Signature (Addressee or Agent)  
[Signature]

PS Form 3811, December 1994

**I also wish to receive the following services (for an extra fee):**

- Addressee's Address
- Restricted Delivery

4a. Article Number 7000 1530 0605 9895 4213

4b. Service Type  
 Registered  Certified  
 Express Mail  Insured  
 Return Receipt for Merchandise  COD

7. Date of Delivery 10-17-01

8. Addressee's Address (Only if requested and fee is paid)

**SENDER:**

- Complete items 1 and/or 2 for additional services. Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

3. Article Addressed to:

Devon E Jercinovic  
International Tech Corp  
5301 Central Ave, NE Suite 700  
Albuquerque, NM 87108

5. Received By: (Print Name)  
Valerie E. Gonzales

6. Signature (Addressee or Agent)  
[Signature]

PS Form 3811, December 1994

**I also wish to receive the following services (for an extra fee):**

- Addressee's Address
- Restricted Delivery

4a. Article Number 7000 1530 0005 9895 4190

4b. Service Type  
 Registered  Certified  
 Express Mail  Insured  
 Return Receipt for Merchandise  COD

7. Date of Delivery 10-11-01

8. Addressee's Address (Only if requested and fee is paid)

**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:

Director, Colorado River  
Comm of Nevada  
555 East Washington Ave, Suite 3100  
Las Vegas, NV 89158

2. Article Number  
(Transfer from service label) 7000 1530 0005 9895 4084

PS Form 3811, March 2001 Domestic Return Receipt 102595-01-M-1424

**COMPLETE THIS SECTION ON DELIVERY**

A. Received by (Please Print Clearly) Vicki... B. Date of Delivery 10/15/01

C. Signature [Signature]  Agent  Addressee

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:

Regional Forester  
USFS Regional Office  
517 Gold Avenue SW  
Albuquerque, NM 87102

2. Article Number  
(Transfer from service label) 7000 1530 0005 9895 3988

PS Form 3811, March 2001 Domestic Return Receipt 102595-01-M-1424

**COMPLETE THIS SECTION ON DELIVERY**

A. Received by (Please Print Clearly) Jose R. Maudragon B. Date of Delivery 10/15/01

C. Signature [Signature]  Agent  Addressee

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

Thank you for using Return Receipt Service.

Thank you for using Return Receipt Service.

Is your RETURN completed on the reverse side?

**SENDER:**

- Complete items 1 and/or 2 for additional services. Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- Addressee's Address
- Restricted Delivery

3. Article Addressed to: Charlie Bettis  
P. O. Box 969  
Eunice, NM 88231

4a. Article Number: 7000 1670 0009 8250 2773

4b. Service Type:  Registered  Certified  Express Mail  Insured  Return Receipt for Merchandise  COD

7. Date of Delivery: 10-15-01

5. Received By: (Print Name)

6. Signature (Addressee or Agent): *Charlie Bettis*

PS Form 3811, December 1994 102595-99-B-0223 Domestic Return Receipt

**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: Chief  
Hazardous Waste Bureau  
Runnels Building  
Santa Fe, NM 87504

2. Article Number (Transfer from service label): 7000 1530 0005 9895 4107

**COMPLETE THIS SECTION ON DELIVERY**

A. Received by (Please Print Clearly): *[Signature]* B. Date of Delivery: OCT 11 2001

C. Signature: *[Signature]*  Agent  Addressee

X *[Signature]*

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

PS Form 3811, March 2001 102595-01-M-1424

Is your RETURN ADDRESS completed on the reverse side?

**SENDER:**

- Complete items 1 and/or 2 for additional services. Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- Addressee's Address
- Restricted Delivery

3. Article Addressed to: Attorney General's Office  
PO Box 1508  
Santa Fe, NM 87504

4a. Article Number: 7000 1530 0005 9895 4183

4b. Service Type:  Registered  Certified  Express Mail  Insured  Return Receipt for Merchandise  COD

7. Date of Delivery: 11 2001

5. Received By: (Print Name)

6. Signature (Addressee or Agent): *[Signature]*

PS Form 3811, December 1994 102595-99-B-0223 Domestic Return Receipt

Is your RETURN completed on the reverse side?

**SENDER:**

- Complete items 1 and/or 2 for additional services. Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- Addressee's Address
- Restricted Delivery

3. Article Addressed to: Fred Ferbrache  
P. O. Box 434  
Eunice, NM 88231

4a. Article Number: 7000 1670 0009 8250 2742

4b. Service Type:  Registered  Certified  Express Mail  Insured  Return Receipt for Merchandise  COD

7. Date of Delivery: 11 2001

5. Received By: (Print Name)

6. Signature (Addressee or Agent): *[Signature]*

PS Form 3811, December 1994 102595-99-B-0223 Domestic Return Receipt

**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: John Draper  
Montgomery & Andrews  
PO Box 2307  
Santa Fe, NM 87504

2. Article Number (Transfer from service label): 7000 1530 0005 9895 4053

**COMPLETE THIS SECTION ON DELIVERY**

A. Received by (Please Print Clearly): NAN BAILEY B. Date of Delivery: OCT 11 2001

C. Signature: *[Signature]*  Agent  Addressee

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

PS Form 3811, March 2001 102595-01-M-1424

**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: Bruce S Garber  
Attorney at Law  
PO Box 0850  
Santa Fe, NM 87504-0850

2. Article Number (Transfer from service label): 7000 1670 0009 8250 2476

**COMPLETE THIS SECTION ON DELIVERY**

A. Received by (Please Print Clearly): M. FINN B. Date of Delivery: OCT 12 2001

C. Signature: *[Signature]*  Agent  Addressee

X *[Signature]*

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

PS Form 3811, March 2001 102595-01-M-1424

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> <li>Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li> <li>Print your name and address on the reverse so that we can return the card to you.</li> <li>Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	A. Received by (Please Print Clearly)	B. Date of Delivery
	C. Signature X <i>Donelle Wilson</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee	
1. Article Addressed to:	D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No	
Lee Wilson & Associates PO Box 931 Santa Fe, NM 87501	3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.	
2. Article Number (Transfer from service label) 7000 1670 0009 8250 2575	4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes	

PS Form 3811, March 2001 Domestic Return Receipt 102595-01-M-1424

SENDER:	COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> <li>Complete items 1 and/or 2 for additional services.</li> <li>Complete items 3, 4a, and 4b.</li> <li>Print your name and address on the reverse of this form so that we can return this card to you.</li> <li>Attach this form to the front of the mailpiece, or on the back if space does not permit.</li> <li>Write "Return Receipt Requested" on the mailpiece below the article number.</li> <li>The Return Receipt will show to whom the article was delivered and the date delivered.</li> </ul>	I also wish to receive the following services (for an extra fee):	
	1. <input type="checkbox"/> Addressee's Address 2. <input type="checkbox"/> Restricted Delivery	
1. Article Addressed to:	4a. Article Number	4b. Service Type
Len Oyenuke The Tewa Co PO Box 1261 San Juan Pueblo, NM 87566	7000 1530 0005 9875 4206	<input type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified <input type="checkbox"/> Express Mail <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> COD
5. Received By: (Print Name)	7. Date of Delivery	
<i>LEN OYENUKE</i>	10-12-01	
6. Signature (Addressee or Agent)	8. Addressee's Address (Only if requested and fee is paid)	
<i>LEN OYENUKE</i>		

PS Form 3811, December 1994 102595-99-8-0223 Domestic Return Receipt

SENDER:	COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> <li>Complete items 1 and/or 2 for additional services.</li> <li>Complete items 3, 4a, and 4b.</li> <li>Print your name and address on the reverse of this form so that we can return this card to you.</li> <li>Attach this form to the front of the mailpiece, or on the back if space does not permit.</li> <li>Write "Return Receipt Requested" on the mailpiece below the article number.</li> <li>The Return Receipt will show to whom the article was delivered and the date delivered.</li> </ul>	I also wish to receive the following services (for an extra fee):	
	1. <input type="checkbox"/> Addressee's Address 2. <input type="checkbox"/> Restricted Delivery	
1. Article Addressed to:	4a. Article Number	4b. Service Type
Director State Parks & Recreation Villagra Building Santa Fe, NM 87503	7000 1670 0009 8250 2698	<input type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified <input type="checkbox"/> Express Mail <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> COD
5. Received By: (Print Name)	7. Date of Delivery	
<i>M. FALICK</i>	10-1-2001	
6. Signature (Addressee or Agent)	8. Addressee's Address (Only if requested and fee is paid)	
<i>M. Falick</i>		

PS Form 3811, December 1994 102595-99-8-0223 Domestic Return Receipt

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> <li>Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li> <li>Print your name and address on the reverse so that we can return the card to you.</li> <li>Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	I also wish to receive the following services (for an extra fee):	
	1. <input type="checkbox"/> Addressee's Address 2. <input type="checkbox"/> Restricted Delivery	
1. Article Addressed to:	4a. Article Number	4b. Service Type
William Carr Campbell & Black PO Box 2208 Santa Fe, NM 87501	7000 1670 0009 8290 2513	<input type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified <input type="checkbox"/> Express Mail <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> COD
5. Received By: (Print Name)	7. Date of Delivery	
<i>W. Carr</i>	10-1-2001	
6. Signature (Addressee or Agent)	8. Addressee's Address (Only if requested and fee is paid)	
<i>W. Carr</i>		

PS Form 3811, March 2001 Domestic Return Receipt 102595-01-M-1424

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> <li>Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li> <li>Print your name and address on the reverse so that we can return the card to you.</li> <li>Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	I also wish to receive the following services (for an extra fee):	
	1. <input type="checkbox"/> Addressee's Address 2. <input type="checkbox"/> Restricted Delivery	
1. Article Addressed to:	4a. Article Number	4b. Service Type
NM Water Well Association 1205 California NE Albuquerque, NM 87110	7000 1530 0005 9895 4015	<input type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified <input type="checkbox"/> Express Mail <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> COD
5. Received By: (Print Name)	7. Date of Delivery	
<i>Sue Ann Scott</i>	10-1-2001	
6. Signature (Addressee or Agent)	8. Addressee's Address (Only if requested and fee is paid)	
<i>Sue Ann Scott</i>		

PS Form 3811, March 2001 Domestic Return Receipt 102595-01-M-1424

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> <li>Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li> <li>Print your name and address on the reverse so that we can return the card to you.</li> <li>Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	I also wish to receive the following services (for an extra fee):	
	1. <input type="checkbox"/> Addressee's Address 2. <input type="checkbox"/> Restricted Delivery	
1. Article Addressed to:	4a. Article Number	4b. Service Type
NMOGA PO Box 1864 Santa Fe, NM 87504-1864	7000 1530 0005 9895 4145	<input type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified <input type="checkbox"/> Express Mail <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> COD
5. Received By: (Print Name)	7. Date of Delivery	
<i>A. M. Gutierrez</i>	10-1-2001	
6. Signature (Addressee or Agent)	8. Addressee's Address (Only if requested and fee is paid)	
<i>A. M. Gutierrez</i>		

PS Form 3811, March 2001 Domestic Return Receipt 102595-01-M-1424

**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:

Richard P Chagnon  
Hydrologist  
2825 E Malvern Drive  
Tucson, AZ 85716

**COMPLETE THIS SECTION ON DELIVERY**

A. Received by (Please Print Clearly) B. Date of Delivery

C. Signature *Richard P Chagnon*
 Agent  
 Addressee

 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

Article Number

(Transfer from service label) 7000 1530 0005 9895 4077

S Form 3811, March 2001

Domestic Return Receipt

102595-01-M-1424

**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:

Lynn Brandvold  
NM Bureau of Mines & Mineral  
NM Institute of Mining & Tech  
Socorro, NM 87801

**COMPLETE THIS SECTION ON DELIVERY**

A. Received by (Please Print Clearly) B. Date of Delivery

C. Signature *Lynn Brandvold*
 Agent  
 Addressee

 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

2. Article Number

(Transfer from service label) 7000 1530 0005 9895 4060

PS Form 3811, March 2001

Domestic Return Receipt

102595-01-M-1424

**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:

Olson Plunk  
SPS  
PO Box 1261  
Amarillo, TX 79170

**COMPLETE THIS SECTION ON DELIVERY**

A. Received by (Please Print Clearly) B. Date of Delivery

C. Signature *William Huytcr*
 Agent  
 Addressee

 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

1. Article Number

(Transfer from service label) 7000 1670 0009 8290 2643

PS Form 3811, March 2001

Domestic Return Receipt

102595-01-M-1424

**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:

Jay Lazarus  
PO Box 5727  
Santa Fe  
NM, 87502

**COMPLETE THIS SECTION ON DELIVERY**

A. Received by (Please Print Clearly) B. Date of Delivery

C. Signature *Jay Lazarus*
 Agent  
 Addressee

 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

2. Article Number

(Transfer from service label) 7000 1530 0005 9895 4008

PS Form 3811, March 2001

Domestic Return Receipt

102595-01-M-1424

**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. Jay Sorenson  
2800 Charleston NE  
Albuquerque, NM 87110

**COMPLETE THIS SECTION ON DELIVERY**

A. Received by (Please Print Clearly) B. Date of Delivery

C. Signature *Dr. Jay Sorenson*
 Agent  
 Addressee

 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

Article Number

(Transfer from service label) 7000 1670 0009 8290 2599

S Form 3811, March 2001

Domestic Return Receipt

102595-01-M-1424

**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:

NM Municipal League  
PO Box 846  
1229 Paseo De Peralta  
Santa Fe, NM 87501

**COMPLETE THIS SECTION ON DELIVERY**

A. Received by (Please Print Clearly) B. Date of Delivery

C. Signature *Sharon Watson*
 Agent  
 Addressee

 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

2. Article Number

(Transfer from service label) 7000 1670 0009 8290 2506

PS Form 3811, March 2001

Domestic Return Receipt

102595-01-M-1424

**RECIPIENT: 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:  
  
Chester Rail  
10613 Calle De Elena NW  
Albuquerque, NM 87048

**COMPLETE THIS SECTION ON DELIVERY**

A. Received by (Please Print Clearly) B. Date of Delivery

Chester Rail 10/12/01

C. Signature

X [Signature]  Agent  Addressee

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

Article Number  
(Transfer from service label) 7000 1530 0005 9895 4176  
Form 3811, March 2001 Domestic Return Receipt 102595-01-M-1424

**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:  
  
Thomas W Merlan, Director  
228 East Palace Ave  
Villa River Room 101  
Santa Fe, NM 87503

**COMPLETE THIS SECTION ON DELIVERY**

A. Received by (Please Print Clearly) B. Date of Delivery

[Signature] 10/11/01

C. Signature

X [Signature]  Agent  Addressee

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

2. Article Number  
(Transfer from service label) 7000 1530 0005 9895 4114  
PS Form 3811, March 2001 Domestic Return Receipt 102595-01-M-1424

**RECIPIENT: 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:  
  
William Turner, NM Trustee for Natural Resources  
American Ground Water Consul.  
1001 Gold St SW Ste 111  
Albuquerque, NM 87102

**COMPLETE THIS SECTION ON DELIVERY**

A. Received by (Please Print Clearly) B. Date of Delivery

W Turner 10/11

C. Signature

X [Signature]  Agent  Addressee

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

Article Number  
(Transfer from service label) 7000 1530 0005 9895 4152  
Form 3811, March 2001 Domestic Return Receipt 102595-01-M-1424

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

**COMPLETE THIS SECTION ON DELIVERY**

A. Received by (Please Print Clearly) B. Date of Delivery

Michelle A Gonzalez 10/12/01

C. Signature

X [Signature]  Agent  Addressee

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

2. Article Number  
(Transfer from service label) 7000 1670 0009 8290 2520  
PS Form 3811, March 2001 Domestic Return Receipt 102595-01-M-1424

**RECIPIENT: 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:  
  
Mike Matush  
State Land Office Building  
Santa Fe, NM 87503

**COMPLETE THIS SECTION ON DELIVERY**

A. Received by (Please Print Clearly) B. Date of Delivery

[Signature] 10/12/01

C. Signature

X [Signature]  Agent  Addressee

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

Article Number  
(Transfer from service label) 7000 1530 0005 9895 4035  
Form 3811, March 2001 Domestic Return Receipt 102595-01-M-1424

**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:  
  
Director  
Dept of Game & Fish  
Villagra Building  
Santa Fe, NM 87503

**COMPLETE THIS SECTION ON DELIVERY**

A. Received by (Please Print Clearly) B. Date of Delivery

[Signature]

C. Signature

X [Signature]  Agent  Addressee

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

2. Article Number  
(Transfer from service label) 7000 1670 0009 8290 2650  
PS Form 3811, March 2001 Domestic Return Receipt 102595-01-M-1424

**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:

Field Supervisor  
 US Fish & Wildlife Service  
 2105 Osuna Road, Northeast  
 Albuquerque, NM 87113-1001

**COMPLETE THIS SECTION ON DELIVERY**

A. Received by (Please Print Clearly) B. Date of Delivery

Magdalena E. Fernaldi 10-11-94

C. Signature X M. Fernaldi

D. Is delivery address different from item 1?  Yes  No

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

2. Article Number (Transfer from service label) 7000 1670 0009 8290 2483

PS Form 3811, March 2001 Domestic Return Receipt 102595-01-M-1424

**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:

Bob Steele  
 Land & Minerals Resources  
 PO Box 194  
 Laguna, NM 87026

**COMPLETE THIS SECTION ON DELIVERY**

A. Received by (Please Print Clearly) B. Date of Delivery

Kathleen M. Smith 10-11-94

C. Signature X Kathleen M. Smith

D. Is delivery address different from item 1?  Yes  No

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

2. Article Number (Transfer from service label) 7000 1670 0009 8290 2681

PS Form 3811, March 2001 Domestic Return Receipt 102595-01-M-1424

**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:

Secretary  
 NM Environmental Dept  
 PO Box 26110  
 Santa Fe, NM 87504

**COMPLETE THIS SECTION ON DELIVERY**

A. Received by (Please Print Clearly) B. Date of Delivery

US Fish & Wildlife Service OCT 11 2001

C. Signature X [Signature]  Agent  Addressee

D. Is delivery address different from item 1?  Yes  No

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

2. Article Number (Transfer from service label) 7000 1670 0009 8290 2667

PS Form 3811, March 2001 Domestic Return Receipt 102595-01-M-1424

**SENDER:**

- Complete items 1 and/or 2 for additional services. Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- Addressee's Address
- Restricted Delivery

3. Article Addressed to: State Land Lease: Millard Deck ATTN: Debra Padilla P. O. Box 1148 Sante Fe, NM 87504-1148

4a. Article Number 7000 1670 0009 8290 2728

4b. Service Type  Registered  Certified  Express Mail  Insured  Return Receipt for Merchandise  COD

7. Date of Delivery

5. Received By: (Print Name)

6. Signature (Addressee or Agent)

PS Form 3811, December 1994 102595-99-B-0223 Domestic Return Receipt

**SENDER:**

- Complete items 1 and/or 2 for additional services. Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- Addressee's Address
- Restricted Delivery

3. Article Addressed to: Environmental Affairs Public Service Company of NM PO Box 2267 Albuquerque, NM 87103

4a. Article Number 7000 1670 0009 8290 2636

4b. Service Type  Registered  Certified  Express Mail  Insured  Return Receipt for Merchandise  COD

7. Date of Delivery

5. Received By: (Print Name)

6. Signature (Addressee or Agent)

PS Form 3811, December 1994 102595-99-B-0223 Domestic Return Receipt

**SENDER:**

- Complete items 1 and/or 2 for additional services. Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- Addressee's Address
- Restricted Delivery

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

4a. Article Number 7000 1670 0009 8290 2629

4b. Service Type  Registered  Express Mail  Return Receipt for Merchandise  COD

7. Date of Delivery

5. Received By: (Print Name)

6. Signature (Addressee or Agent)

PS Form 3811, December 1994 102595-99-B-0223 Domestic Return Receipt

Thank you for using Return Receipt Service.

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<p>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.</p> <p>Article Addressed to:</p> <p>Chris Shuey Southwest Research &amp; Info Center PO Box 4524 Albuquerque, NM 87106</p>	<p>A. Received by (Please Print Clearly) _____ B. Date of Delivery <u>10/11/01</u></p> <p>C. Signature <u>X [Signature]</u> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input type="checkbox"/> No If YES, enter delivery address below: _____</p> <p>3. Service Type  <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail  <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Return Receipt for Merchandise  <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>Article Number (Transfer from service label) <u>7000 1670 0009 8290 2605</u></p> <p>Form 3811, March 2001 Domestic Return Receipt 102595-01-M-1424</p>	

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<p>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.</p> <p>1. Article Addressed to:</p> <p>Governor Pueblo of Laguna PO Box 194 Laguna, NM 87026</p>	<p>A. Received by (Please Print Clearly) <u>Kathleen M. Smith</u> B. Date of Delivery <u>10-11-01</u></p> <p>C. Signature <u>X [Signature]</u> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input type="checkbox"/> No If YES, enter delivery address below: _____</p> <p>3. Service Type  <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail  <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Return Receipt for Merchandise  <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number (Transfer from service label) <u>7000 1670 0009 8290 2537</u></p> <p>PS Form 3811, March 2001 Domestic Return Receipt 102595-01-M-1424</p>	

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<p>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.</p> <p>Article Addressed to:</p> <p>Soil &amp; Water Conservation Bureau NM Dept of Ag Box 30005/APR Las Cruces, NM 88003-8005</p>	<p>A. Received by (Please Print Clearly) _____ B. Date of Delivery <u>10/12/01</u></p> <p>C. Signature <u>X [Signature]</u> <input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input type="checkbox"/> No If YES, enter delivery address below: _____</p> <p>3. Service Type  <input type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail  <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Return Receipt for Merchandise  <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>Article Number (Transfer from service label) <u>7000 1670 0009 8290 2544</u></p> <p>Form 3811, March 2001 Domestic Return Receipt 102595-01-M-1424</p>	

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<p>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.</p> <p>1. Article Addressed to:</p> <p>Ken Marsh CRI PO Box 369 Hobbs, NM 88241</p>	<p>A. Received by (Please Print Clearly) <u>Carmela Jean Mason</u> B. Date of Delivery <u>10-12-01</u></p> <p>C. Signature <u>X [Signature]</u> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input type="checkbox"/> No If YES, enter delivery address below: _____</p> <p>3. Service Type  <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail  <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Return Receipt for Merchandise  <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number (Transfer from service label) <u>7000 1530 0005 9895 4121</u></p> <p>PS Form 3811, March 2001 Domestic Return Receipt 102595-01-M-1424</p>	

SENDER:	COMPLETE THIS SECTION ON DELIVERY
<p>Complete items 1 and/or 2 for additional services. Complete items 3, 4a, and 4b. Print your name and address on the reverse of this form so that we can return this card to you. Attach this form to the front of the mailpiece, or on the back if space does not permit. Write "Return Receipt Requested" on the mailpiece below the article number. The Return Receipt will show to whom the article was delivered and the date delivered.</p> <p>3. Article Addressed to:</p> <p>Rosalio M. Ruiz P. O. Box 91 Eunice, NM 88231</p>	<p>I also wish to receive the following services (for an extra fee):  <input type="checkbox"/> 1. Addressee's Address  <input type="checkbox"/> 2. Restricted Delivery</p> <p>4a. Article Number <u>7000 1670 0009 8290 2711</u></p> <p>4b. Service Type  <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified  <input type="checkbox"/> Express Mail <input type="checkbox"/> Insured  <input checked="" type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> C.O.D.</p> <p>7. Date of Delivery <u>12 2001</u></p> <p>8. Addressee's Address (Only if requested and fee is paid)</p>
<p>5. Received By: (Print Name) <u>Colanda R Ruiz</u></p> <p>6. Signature (Addressee or Agent) <u>[Signature]</u></p> <p>PS Form 3811, December 1994 102595-99-B-0223 Domestic Return Receipt</p>	<p>Thank you for using Return Receipt Service.</p>

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<p>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.</p> <p>1. Article Addressed to:</p> <p>Director Albuquerque Environ. Health Dept PO Box 1293 Albuquerque, NM 87103</p>	<p>A. Received by (Please Print Clearly) _____ B. Date of Delivery _____</p> <p>C. Signature <u>X [Signature]</u> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input type="checkbox"/> No If YES, enter delivery address below: _____</p> <p>3. Service Type  <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail  <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Return Receipt for Merchandise  <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number (Transfer from service label) <u>7000 1670 0009 8290 2452</u></p> <p>PS Form 3811, March 2001 Domestic Return Receipt 102595-01-M-1424</p>	

<b>SENDER:</b> <input type="checkbox"/> Complete items 1 and/or 2 for additional services. <input type="checkbox"/> Complete items 3, 4a, and 4b. <input type="checkbox"/> Print your name and address on the reverse of this form so that we can return this card to you. <input type="checkbox"/> Attach this form to the front of the mailpiece, or on the back if space does not permit. <input type="checkbox"/> Write "Return Receipt Requested" on the mailpiece below the article number. <input type="checkbox"/> The Return Receipt will show to whom the article was delivered and the date delivered.		I also wish to receive the following services (for an extra fee): 1. <input type="checkbox"/> Addressee's Address 2. <input type="checkbox"/> Restricted Delivery	
3. Article Addressed to: Mr. Robert Cueto P. O. Box 56 Eunice, NM 88231		4a. Article Number 7000 1670 0009 8290 2841	
		4b. Service Type <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified <input type="checkbox"/> Express Mail <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> COD	
5. Received By: (Print Name)		7. Date of Delivery 10-01-01	
6. Signature (Addressee or Agent) <i>Robert Cueto</i>		8. Addressee's Address (Only if requested and fee is paid)	
PS Form 3811, December 1994		102595-99-B-0223 Domestic Return Receipt	

Thank you for using Return Receipt Service.

<b>SENDER:</b> <input type="checkbox"/> Complete items 1 and/or 2 for additional services. <input type="checkbox"/> Complete items 3, 4a, and 4b. <input type="checkbox"/> Print your name and address on the reverse of this form so that we can return this card to you. <input type="checkbox"/> Attach this form to the front of the mailpiece, or on the back if space does not permit. <input type="checkbox"/> Write "Return Receipt Requested" on the mailpiece below the article number. <input type="checkbox"/> The Return Receipt will show to whom the article was delivered and the date delivered.		I also wish to receive the following services (for an extra fee): 1. <input type="checkbox"/> Addressee's Address 2. <input type="checkbox"/> Restricted Delivery	
3. Article Addressed to: Vincente Reyna & Dorotea Cadena P. O. Box 244 Eunice, NM 88231		4a. Article Number 7000 1670 0009 8290 2735	
		4b. Service Type <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified <input type="checkbox"/> Express Mail <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> COD	
5. Received By: (Print Name) <i>Vincente Reyna</i>		7. Date of Delivery 10-01-01	
6. Signature (Addressee or Agent)		8. Addressee's Address (Only if requested and fee is paid)	
PS Form 3811, December 1994		102595-99-B-0223 Domestic Return Receipt	

Thank you for using Return Receipt Service.

Thank you for using Return Receipt Service.

<b>SENDER:</b> <input type="checkbox"/> Complete items 1 and/or 2 for additional services. <input type="checkbox"/> Complete items 3, 4a, and 4b. <input type="checkbox"/> Print your name and address on the reverse of this form so that we can return this card to you. <input type="checkbox"/> Attach this form to the front of the mailpiece, or on the back if space does not permit. <input type="checkbox"/> Write "Return Receipt Requested" on the mailpiece below the article number. <input type="checkbox"/> The Return Receipt will show to whom the article was delivered and the date delivered.		I also wish to receive the following services (for an extra fee): 1. <input type="checkbox"/> Addressee's Address 2. <input type="checkbox"/> Restricted Delivery	
3. Article Addressed to: J. D. Martin P. O. Box 416 Eunice, NM 88231		4a. Article Number 7000 1670 0009 8290 2827	
		4b. Service Type <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified <input type="checkbox"/> Express Mail <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> COD	
5. Received By: (Print Name) SHARON MARTIN		7. Date of Delivery 10-10-01	
6. Signature (Addressee or Agent) <i>Sharon Martin</i>		8. Addressee's Address (Only if requested and fee is paid)	
PS Form 3811, December 1994		102595-99-B-0223 Domestic Return Receipt	

Thank you for using Return Receipt Service.

<b>SENDER:</b> <input type="checkbox"/> Complete items 1 and/or 2 for additional services. <input type="checkbox"/> Complete items 3, 4a, and 4b. <input type="checkbox"/> Print your name and address on the reverse of this form so that we can return this card to you. <input type="checkbox"/> Attach this form to the front of the mailpiece, or on the back if space does not permit. <input type="checkbox"/> Write "Return Receipt Requested" on the mailpiece below the article number. <input type="checkbox"/> The Return Receipt will show to whom the article was delivered and the date delivered.		I also wish to receive the following services (for an extra fee): 1. <input type="checkbox"/> Addressee's Address 2. <input type="checkbox"/> Restricted Delivery	
3. Article Addressed to: Warren Hughes P. O. Box 276 Eunice, NM 88231		4a. Article Number 7000 1670 0009 8290 2827	
		4b. Service Type <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified <input type="checkbox"/> Express Mail <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> COD	
5. Received By: (Print Name) Verna Hughes		7. Date of Delivery 10-11-01	
6. Signature (Addressee or Agent) <i>Verna Hughes</i>		8. Addressee's Address (Only if requested and fee is paid)	
PS Form 3811, December 1994		102595-99-B-0223 Domestic Return Receipt	

Thank you for using Return Receipt Service.

Thank you for using Return Receipt Service.

<b>SENDER:</b> <input type="checkbox"/> Complete items 1 and/or 2 for additional services. <input type="checkbox"/> Complete items 3, 4a, and 4b. <input type="checkbox"/> Print your name and address on the reverse of this form so that we can return this card to you. <input type="checkbox"/> Attach this form to the front of the mailpiece, or on the back if space does not permit. <input type="checkbox"/> Write "Return Receipt Requested" on the mailpiece below the article number. <input type="checkbox"/> The Return Receipt will show to whom the article was delivered and the date delivered.		I also wish to receive the following services (for an extra fee): 1. <input type="checkbox"/> Addressee's Address 2. <input type="checkbox"/> Restricted Delivery	
3. Article Addressed to: Irvin Boyd P. O. Box 121 Eunice, NM 88231		4a. Article Number 7000 1670 0009 8290 2872	
		4b. Service Type <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified <input type="checkbox"/> Express Mail <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> COD	
5. Received By: (Print Name) Shirley Boyd		7. Date of Delivery 10-10-01	
6. Signature (Addressee or Agent) <i>Shirley Boyd</i>		8. Addressee's Address (Only if requested and fee is paid)	
PS Form 3811, December 1994		102595-99-B-0223 Domestic Return Receipt	

Thank you for using Return Receipt Service.

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<input checked="" type="checkbox"/> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. <input checked="" type="checkbox"/> Print your name and address on the reverse so that we can return the card to you. <input checked="" type="checkbox"/> Attach this card to the back of the mailpiece, or on the front if space permits.		A. Received by (Please Print Clearly)	B. Date of Delivery
1. Article Addressed to:  Director Water Resources Dept PO Box 1293 Albuquerque, NM 87103		C. Signature <i>Harry D. Smyth</i>	<input type="checkbox"/> Agent <input type="checkbox"/> Addressee
		D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No	
2. Article Number (Transfer from service label) 7000 1670 0009 8290 2490		3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.	4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes
PS Form 3811, March 2001		102595-01-M-1424	

Is your RETURN ted on the reverse side?	<b>SENDER:</b> <input type="checkbox"/> Complete items 1 and/or 2 for additional services. <input type="checkbox"/> Complete items 3, 4a, and 4b. <input type="checkbox"/> Print your name and address on the reverse of this form so that we can return this card to you. <input type="checkbox"/> Attach this form to the front of the mailpiece, or on the back if space does not permit. <input type="checkbox"/> Write "Return Receipt Requested" on the mailpiece below the article number. <input type="checkbox"/> The Return Receipt will show to whom the article was delivered and the date delivered.	I also wish to receive the following services (for an extra fee):  1. <input type="checkbox"/> Addressee's Address 2. <input type="checkbox"/> Restricted Delivery
	3. Article Addressed to:  Benjamin Galindo P. O. Box 1722 Eunice, NM 88231	4a. Article Number 7000 1670 0009 8250 2889 4b. Service Type <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified <input type="checkbox"/> Express Mail <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> COD 7. Date of Delivery 10-10-01
5. Received By: (Print Name) <i>Benjamin Galindo</i>	8. Addressee's Address (Only if requested and fee is paid)	
6. Signature (Addressee or Agent) <i>BEN GALINDO</i>		
PS Form 3811, December 1994 <span style="float: right;">102595-99-8-0223 Domestic Return Receipt</span>		

Thank you for using Return Receipt Service.

Is your RETURN ted on the reverse side?	<b>SENDER:</b> <input type="checkbox"/> Complete items 1 and/or 2 for additional services. <input type="checkbox"/> Complete items 3, 4a, and 4b. <input type="checkbox"/> Print your name and address on the reverse of this form so that we can return this card to you. <input type="checkbox"/> Attach this form to the front of the mailpiece, or on the back if space does not permit. <input type="checkbox"/> Write "Return Receipt Requested" on the mailpiece below the article number. <input type="checkbox"/> The Return Receipt will show to whom the article was delivered and the date delivered.	I also wish to receive the following services (for an extra fee):  1. <input type="checkbox"/> Addressee's Address 2. <input type="checkbox"/> Restricted Delivery
	3. Article Addressed to:  William Rawlings P. O. Box 1628 Eunice, NM 88231	4a. Article Number 7000 1670 0009 8290 2810 4b. Service Type <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified <input type="checkbox"/> Express Mail <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> COD 7. Date of Delivery 10-10-01
5. Received By: (Print Name) <i>Teresa Rawlings</i>	8. Addressee's Address (Only if requested and fee is paid)	
6. Signature (Addressee or Agent) <i>Teresa Rawlings</i>		
PS Form 3811, December 1994 <span style="float: right;">102595-99-8-0223 Domestic Return Receipt</span>		

Thank you for using Return Receipt Service.

Is your RETURN ted on the reverse side?	<b>SENDER:</b> <input type="checkbox"/> Complete items 1 and/or 2 for additional services. <input type="checkbox"/> Complete items 3, 4a, and 4b. <input type="checkbox"/> Print your name and address on the reverse of this form so that we can return this card to you. <input type="checkbox"/> Attach this form to the front of the mailpiece, or on the back if space does not permit. <input type="checkbox"/> Write "Return Receipt Requested" on the mailpiece below the article number. <input type="checkbox"/> The Return Receipt will show to whom the article was delivered and the date delivered.	I also wish to receive the following services (for an extra fee):  1. <input type="checkbox"/> Addressee's Address 2. <input type="checkbox"/> Restricted Delivery
	3. Article Addressed to:  Environmental Plus P. O. Box 1558 Eunice, NM 88231	4a. Article Number 7000 1670 0009 8290 2834 4b. Service Type <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified <input type="checkbox"/> Express Mail <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> COD 7. Date of Delivery 10-10-01
5. Received By: (Print Name) <i>Carl Wolf</i>	8. Addressee's Address (Only if requested and fee is paid)	
6. Signature (Addressee or Agent) <i>Carl Wolf</i>		
PS Form 3811, December 1994 <span style="float: right;">102595-99-8-0223 Domestic Return Receipt</span>		

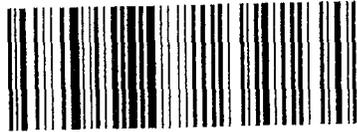
Thank you for using Return Receipt Service.





**RICE Operating Company**  
122 West Taylor  
Hobbs, NM 88240

7892 0628 6000 0297 0002



★ ★  PITNEY BOWES  
★ ★ U.S. POSTAGE  
1460 PB5512802  
0060 \$03.94 OCT 09 2001  
8282 MAILED FROM ZIP CODE 88240

 RETURN TO SENDER  
Order Ex  
No Sub  
No Such Number  
Route No  
Date  
Initials

**CERTIFIED MAIL**  
PLACE STICKER AT TOP OF ENVELOPE  
TO THE RIGHT OF RETURN ADDRESS  
FOLD AT DOTTED LINE

Bob Steele  
Land & Minerals Resources  
PO Box 194  
Laguna, NM 87026

87026%0194



## NOTICE OF PUBLICATION

### STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION

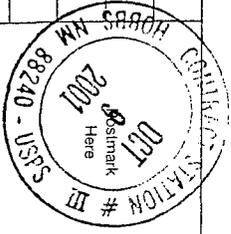
Notice is hereby given that pursuant to New Mexico Oil Conservation Division Regulations, the following Stage 1 and Stage 2 Abatement Plan Proposals have been submitted to the Director of the Oil Conservation Division, 1220 St. Francis Dr., Santa Fe, New Mexico 87505, Telephone (505) 476-3440:

Rice Operating Company, Carolyn Doran Haynes, Operations Engineer, Telephone (505) 393-9174, 122 West Taylor, Hobbs, New Mexico 88240, has submitted Stage 1 and Stage 2 Abatement Plan Proposals for the Junction Box E-15 Site, located in Unit D and Unit E of Section 15 of Township 22 South, Range 37 East, NMPM, Lea County, New Mexico. Rice Operating Company operates a produced water pipeline at the site. Chloride contamination in excess of New Mexico Water Quality Control Commission standards has been observed in ground water at the site. The Stage 1 and Stage 2 Abatement Plan Proposals presents the following activities: determine site geology and hydrogeology; conduct a registered water well search within a 1 mile radius of the site; install monitoring wells; collect soil samples for field screening and/or laboratory analysis from each boring; collect ground water samples for laboratory analysis from each monitoring well; obtain depth to ground water measurements and calculate the ground water gradient and direction; survey all well locations by a professional land surveyor registered in the State of New Mexico; proposed methods for remediation of the site including remediation of contaminated soils, remediation of contaminated ground water, site maintenance activities; a monitoring and sampling plan for soils and ground water; preparation of regular reports; and a schedule for implementation of all investigation, remediation and monitoring activities

Any interested person may obtain further information from the Oil Conservation Division and may submit to the Director of the Oil Conservation Division, at the address given above, written comments or a written request for a public hearing that include reasons why a hearing should be held. The Stage 1 and Stage 2 Abatement Plan Proposals may be viewed at the above address or at the Oil Conservation Division Hobbs 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 the proposed Stage 1 and Stage 2 Abatement Plan Proposals, 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 or a written request for a hearing may be submitted.

**U.S. Postal Service**  
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Postage	\$ .34
Certified Fee	2.10
Return Receipt Fee (Endorsement Required)	1.50
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>

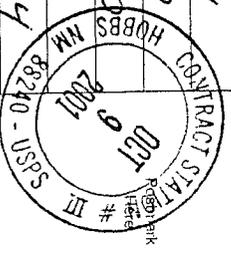


Frances Corrine Fristoe  
P. O. Box 167  
Murray, KY 42071

PS Form 3800, May 2000 See Reverse for Instructions

**U.S. Postal Service**  
**CERTIFIED MAIL RECEIPT**  
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<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>

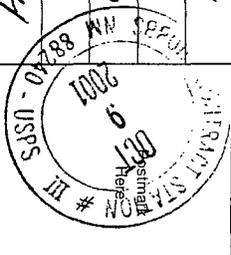


Charlie Bettis  
P. O. Box 969  
Eunice, NM 88231

PS Form 3800, May 2000 See Reverse for Instructions

**U.S. Postal Service**  
**CERTIFIED MAIL RECEIPT**  
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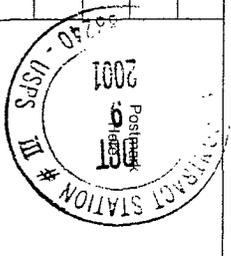


Priscilla West  
P. O. Box 50430  
Eugene, OR 97405

PS Form 3800, May 2000 See Reverse for Instructions

**U.S. Postal Service**  
**CERTIFIED MAIL RECEIPT**  
*(Domestic Mail Only, No Insurance Coverage Provided)*

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Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>

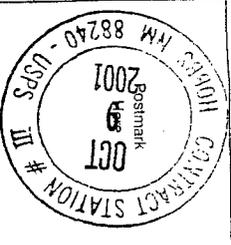


Vincente Reyna &  
Dorothea Cadena  
P. O. Box 244  
Eunice, NM 88231

PS Form 3800, May 2000 See Reverse for Instructions

**U.S. Postal Service**  
**CERTIFIED MAIL RECEIPT**  
*(Domestic Mail Only, No Insurance Coverage Provided)*

Postage	\$ .34
Certified Fee	2.10
Return Receipt Fee (Endorsement Required)	1.50
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>

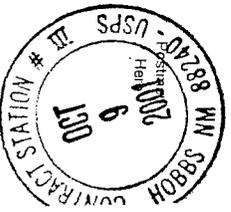


Fred Ferbrache  
P. O. Box 434  
Eunice, NM 88231

PS Form 3800, May 2000 See Reverse for Instructions

**U.S. Postal Service**  
**CERTIFIED MAIL RECEIPT**  
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<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>



State Land Office  
Hobbs District  
3830 N Grimes Suite C  
Hobbs, NM 88240

PS Form 3800, May 2000 See Reverse for Instructions

7000 1670 0009 8290 2735

7000 1670 0009 8290 2766

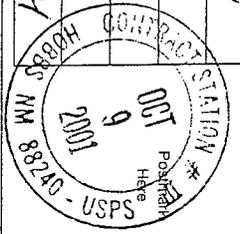
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7000 1670 0009 8290 2742

**U.S. Postal Service**  
**CERTIFIED MAIL RECEIPT**  
*(Domestic Mail Only, No Insurance Coverage Provided)*

Postage	\$ .34
Certified Fee	2.10
Return Receipt Fee (Endorsement Required)	1.50
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>

Mr. Robert Cueto  
P. O. Box 56  
Eunice, NM 88231

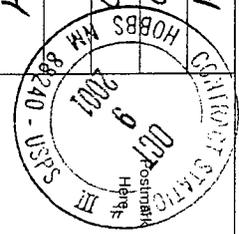


Instructions

**U.S. Postal Service**  
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Postage	\$ .34
Certified Fee	2.10
Return Receipt Fee (Endorsement Required)	1.50
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>

J. D. Martin  
P. O. Box 416  
Eunice, NM 88231

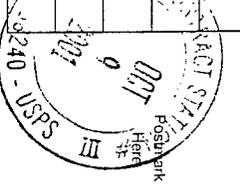


Instructions

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Return Receipt Fee (Endorsement Required)	1.50
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>

William Rawlings  
P. O. Box 1628  
Eunice, NM 88231

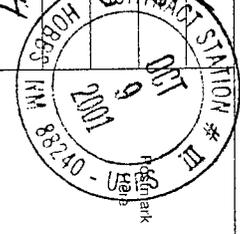


Instructions

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Postage	\$ .34
Certified Fee	2.10
Return Receipt Fee (Endorsement Required)	1.50
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>

Environmental Plus  
P. O. Box 1558  
Eunice, NM 88231

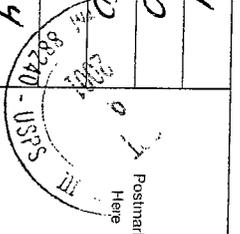


Instructions

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Postage	\$ .34
Certified Fee	2.10
Return Receipt Fee (Endorsement Required)	1.50
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>

Millard Deck Trust  
% Bank of America, Tim Walters  
P. O. Box 270  
Odessa, TX 76101

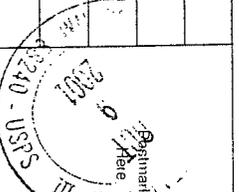


Instructions

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Postage	\$ .34
Certified Fee	2.10
Return Receipt Fee (Endorsement Required)	1.50
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>

Mike Allen  
P. O. Box 4  
Summers, AR 72769



See Reverse for Instructions

7000 1670 0009 8290 2803

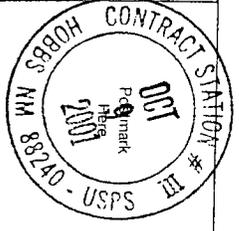
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7000 1670 0009 8290 2797

7000 1670 0009 8290 2810

**U.S. Postal Service  
CERTIFIED MAIL RECEIPT**  
(Domestic Mail Only, No Insurance Coverage Provided)

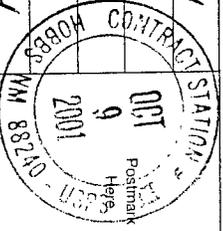
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Return Receipt Fee (Endorsement Required)	1.50
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>



Warren Hughes  
P. O. Box 276  
Eunice, NM 88231

**U.S. Postal Service  
CERTIFIED MAIL RECEIPT**  
(Domestic Mail Only, No Insurance Coverage Provided)

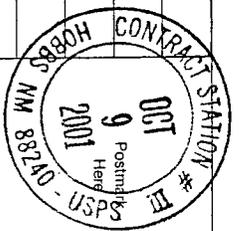
Postage	\$ .34
Certified Fee	2.10
Return Receipt Fee (Endorsement Required)	1.50
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>



Bob Steele  
Land & Minerals Resources  
PO Box 194  
Laguna, NM 87026

**U.S. Postal Service  
CERTIFIED MAIL RECEIPT**  
(Domestic Mail Only, No Insurance Coverage Provided)

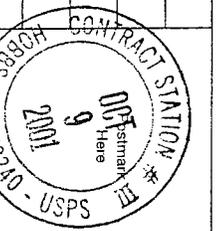
Postage	\$ .34
Certified Fee	2.10
Return Receipt Fee (Endorsement Required)	1.50
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>



Benjamin Galindo  
P. O. Box 1722  
Eunice, NM 88231

**U.S. Postal Service  
CERTIFIED MAIL RECEIPT**  
(Domestic Mail Only, No Insurance Coverage Provided)

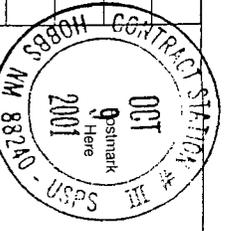
Postage	\$ .34
Certified Fee	2.10
Return Receipt Fee (Endorsement Required)	1.50
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>



Irvin Boyd  
P. O. Box 121  
Eunice, NM 88231

**U.S. Postal Service  
CERTIFIED MAIL RECEIPT**  
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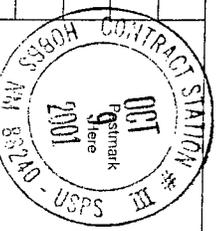
Postage	\$ .34
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Return Receipt Fee (Endorsement Required)	1.50
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>



Director  
State Parks & Recreation  
Vilagra Building  
Santa Fe, NM 87503

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Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>



James Dan Smith  
P. O. Box 941  
Eunice, NM 88231

2889 8290 0009 1670 7000 2889 2865 8290 0009 1670 7000 2865 8290 0009 1670 7000 2865

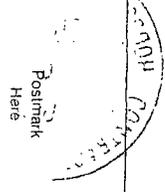
Instructions

Instructions

Instructions

**U.S. Postal Service  
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Postage	\$ .34
Certified Fee	2.10
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Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>

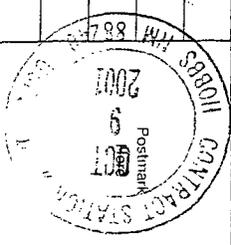


Jackie Jennings  
Core Laboratories, Inc  
10703 E Bethany Drive  
Aurora, CO 80014

Instructions

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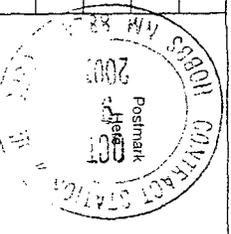


Environmental Affairs  
Public Service Company of NM  
PO Box 2267  
Albuquerque, NM 87103

Instructions

**U.S. Postal Service  
CERTIFIED MAIL RECEIPT**  
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Postage	\$ .34
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Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>

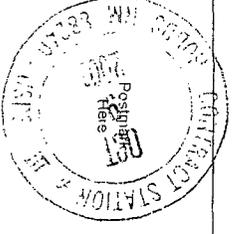


State Director  
Bureau of Land Management  
PO Box 27115  
Santa Fe, NM 87502-0115

Instructions

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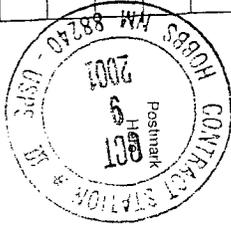


NM Citizens Clean Air & Water  
John Barritt, Chairman  
113 Monte Ray Dr. North  
Los Alamos, NM 87544

Instructions

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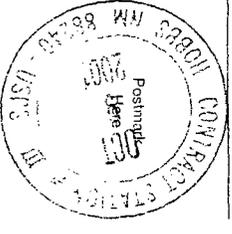


Chris Shuey  
Southwest Research & Info Center  
PO Box 4524  
Albuquerque, NM 87106

Instructions

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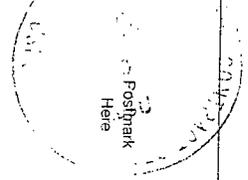
Dr. Jay Sorenson  
2800 Charleston NE  
Albuquerque, NM 87110

See Reverse for Instructions

PS Form 3800, May 2000

**U.S. Postal Service  
CERTIFIED MAIL RECEIPT**  
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Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>



Oison Plunk  
PS  
PO Box 1261  
Amarillo, TX 79170

for instructions

Postage	\$ .34
Certified Fee	2.10
Return Receipt Fee (Endorsement Required)	1.50
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>



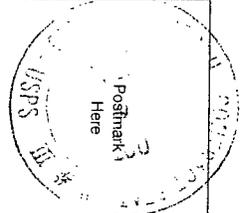
George Vlahos  
Sierra Club  
212 Tulane SE  
Albuquerque, NM 87106

for instructions

7000 1670 0009 8290 2548

**U.S. Postal Service  
CERTIFIED MAIL RECEIPT**  
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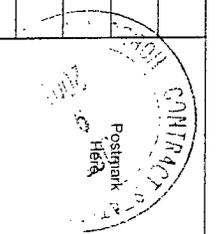
Postage	\$ .34
Certified Fee	2.10
Return Receipt Fee (Endorsement Required)	1.50
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>



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

for instructions

Postage	\$ .34
Certified Fee	2.10
Return Receipt Fee (Endorsement Required)	1.50
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>



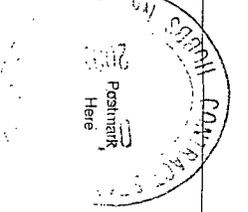
Thomas Kellahin  
Kellahin & Kellahin  
PO Box 2265  
Santa Fe, NM 87501

for instructions

7000 1670 0009 8290 2544

**U.S. Postal Service  
CERTIFIED MAIL RECEIPT**  
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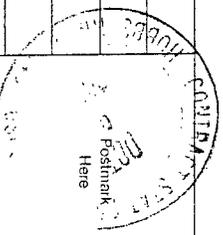
Postage	\$ .34
Certified Fee	2.10
Return Receipt Fee (Endorsement Required)	1.50
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>



Secretary  
NM Environmental Dept  
PO Box 26110  
Santa Fe, NM 87504

for instructions

Postage	\$ .34
Certified Fee	2.10
Return Receipt Fee (Endorsement Required)	1.50
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>



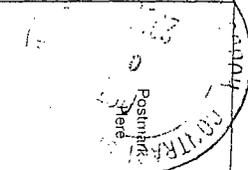
Soil & Water Conservation Bureau  
NM Dept of Ag  
Box 30005/APR  
Las Cruces, NM 88003-8005

for instructions

**U.S. Postal Service**  
**CERTIFIED MAIL RECEIPT**  
 (Domestic Mail Only; No Insurance Coverage Provided)

Postage	\$ .34
Certified Fee	2.10
Return Receipt Fee (Endorsement Required)	1.50
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>

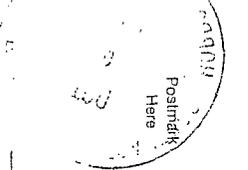
NM Municipal League  
 PO Box 846  
 1229 Paseo De Peralta  
 Santa Fe, NM 87501



**U.S. Postal Service**  
**CERTIFIED MAIL RECEIPT**  
 (Domestic Mail Only; No Insurance Coverage Provided)

Postage	\$ .34
Certified Fee	2.10
Return Receipt Fee (Endorsement Required)	1.50
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>

William Carr  
 Campbell & Black  
 PO Box 2208  
 Santa Fe, NM 87501



Director  
 Division of Water Quality  
 288 North 1460 West  
 Salt Lake City, UT 84114

Postage	\$ .34
Certified Fee	2.10
Return Receipt Fee (Endorsement Required)	1.50
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 4.34</b>



**U.S. Postal Service**  
**CERTIFIED MAIL RECEIPT**  
 (Domestic Mail Only; No Insurance Coverage Provided)

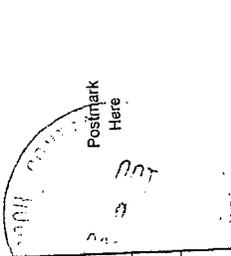
Postage	\$ .34
Certified Fee	2.10
Return Receipt Fee (Endorsement Required)	1.50
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>

State Engineer  
 Water Resources Division  
 Balaban Building  
 Santa Fe, NM 87503



Chief  
 Hazardous Waste Bureau  
 Rannels Building  
 Santa Fe, NM 87504

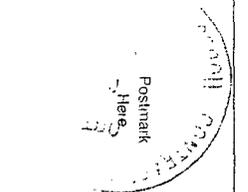
Postage	\$ .34
Certified Fee	2.10
Return Receipt Fee (Endorsement Required)	1.50
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 4.34</b>



**U.S. Postal Service**  
**CERTIFIED MAIL RECEIPT**  
 (Domestic Mail Only; No Insurance Coverage Provided)

Postage	\$ .34
Certified Fee	2.10
Return Receipt Fee (Endorsement Required)	1.50
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>

Governor  
 Pueblo of Laguna  
 PO Box 194  
 Laguna, NM 87026



7000 1670 0009 8290 2520

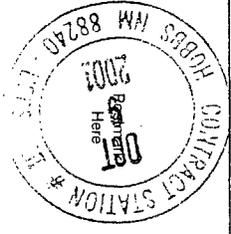
7000 1530 0005 9895 4092

7000 1670 0009 8290 2537

7000 1530 0005 9895 4092

U.S. Postal Service  
**CERTIFIED MAIL RECEIPT**  
 (Domestic Mail Only, No Insurance Coverage Provided)

Postage	\$ .34
Certified Fee	2.10
Return Receipt Fee (Endorsement Required)	1.50
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>

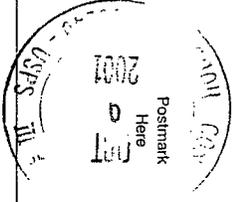


Sei  
 Len Oyenguque  
 The Tewa Co  
 PO Box 1261  
 San Juan Pueblo, NM 87566

PS Form 3800, May 2000

U.S. Postal Service  
**CERTIFIED MAIL RECEIPT**  
 (Domestic Mail Only, No Insurance Coverage Provided)

Postage	\$ .34
Certified Fee	2.10
Return Receipt Fee (Endorsement Required)	1.50
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>

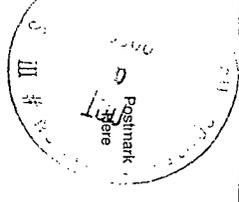


Dr Harry Bishara  
 PO Box 748  
 Cuba, NM 87013

PS Form 3800, May 2000

U.S. Postal Service  
**CERTIFIED MAIL RECEIPT**  
 (Domestic Mail Only, No Insurance Coverage Provided)

Postage	\$ .34
Certified Fee	2.10
Return Receipt Fee (Endorsement Required)	1.50
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>

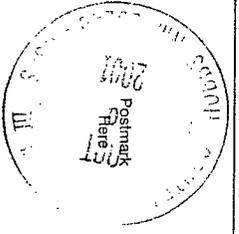


John Draper  
 Montgomery & Andrews  
 PO Box 2307  
 Santa Fe, NM 87504

PS Form 3800, May 2000

U.S. Postal Service  
**CERTIFIED MAIL RECEIPT**  
 (Domestic Mail Only, No Insurance Coverage Provided)

Postage	\$ .34
Certified Fee	2.10
Return Receipt Fee (Endorsement Required)	1.50
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>



Lynn Brandvold  
 NM Bureau of Mines & Mineral  
 NM Institute of Mining & Tech  
 Socorro, NM 87801

PS Form 3800, May 2000

U.S. Postal Service  
**CERTIFIED MAIL RECEIPT**  
 (Domestic Mail Only, No Insurance Coverage Provided)

Postage	\$ .34
Certified Fee	2.10
Return Receipt Fee (Endorsement Required)	1.50
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>

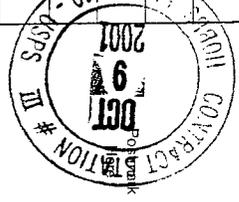


Richard P Chagnon  
 Hydrologist  
 2825 E Malvern Drive  
 Tucson, AZ 85716

PS Form 3800, May 2000

U.S. Postal Service  
**CERTIFIED MAIL RECEIPT**  
 (Domestic Mail Only, No Insurance Coverage Provided)

Postage	\$ .34
Certified Fee	2.10
Return Receipt Fee (Endorsement Required)	1.50
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>



Director, Colorado River  
 Comm of Nevada  
 555 East Washington Ave, Suite 3100  
 Las Vegas, NV 89158

PS Form 3800, May 2000

7000 1530 0005 9895 4077  
 7000 1530 0005 9895 4046  
 7000 1530 0005 9895 4053  
 7000 1530 0005 9895 4084

**U.S. Postal Service**  
**CERTIFIED MAIL RECEIPT**  
(Domestic Mail Only; No Insurance Coverage Provided)

Postage	\$ .34
Certified Fee	2.10
Return Receipt Fee (Endorsement Required)	1.50
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>

Devon E Jercinovic  
International Tech Corp  
5301 Central Ave, NE Suite 700  
Albuquerque, NM 87108

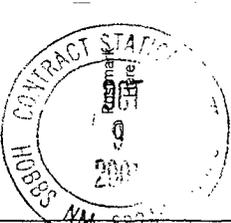


7000 1530 0005 9895 4290

**U.S. Postal Service**  
**CERTIFIED MAIL RECEIPT**  
(Domestic Mail Only; No Insurance Coverage Provided)

Postage	\$ .34
Certified Fee	2.10
Return Receipt Fee (Endorsement Required)	1.50
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>

Chief  
Ground Water Bureau  
Runnels Building  
Santa Fe, NM 87504

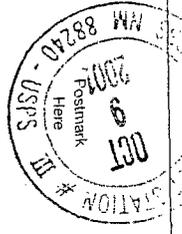


7000 1530 0005 9895 4290

**U.S. Postal Service**  
**CERTIFIED MAIL RECEIPT**  
(Domestic Mail Only; No Insurance Coverage Provided)

Postage	\$ .34
Certified Fee	2.10
Return Receipt Fee (Endorsement Required)	1.50
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>

Director  
Water Resources Dept  
PO Box 1293  
Albuquerque, NM 87103



7000 1670 0009 8290 2490

**U.S. Postal Service**  
**CERTIFIED MAIL RECEIPT**  
(Domestic Mail Only; No Insurance Coverage Provided)

Postage	\$ .34
Certified Fee	2.10
Return Receipt Fee (Endorsement Required)	1.50
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>

Chester Rail  
10613 Calle De Elena NW  
Albuquerque, NM 87048

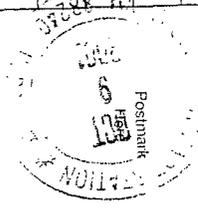


7000 1530 0005 9895 4276

**U.S. Postal Service**  
**CERTIFIED MAIL RECEIPT**  
(Domestic Mail Only; No Insurance Coverage Provided)

Postage	\$ .34
Certified Fee	2.10
Return Receipt Fee (Endorsement Required)	1.50
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>

Field Supervisor  
US Fish & Wildlife Service  
2105 Osuna Road, Northeast  
Albuquerque, NM 87113-1001

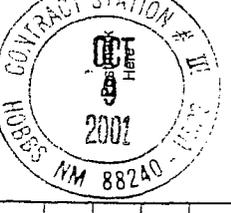


7000 1670 0009 8290 2483

**U.S. Postal Service**  
**CERTIFIED MAIL RECEIPT**  
(Domestic Mail Only; No Insurance Coverage Provided)

Postage	\$ .34
Certified Fee	2.10
Return Receipt Fee (Endorsement Required)	1.50
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>

Attorney General's Office  
PO Box 1508  
Santa Fe, NM 87504



7000 1530 0005 9895 4283

U.S. Postal Service  
**CERTIFIED MAIL RECEIPT**  
 (Domestic Mail Only, No Insurance Coverage Provided)

Postage	\$ .34
Certified Fee	2.10
Return Receipt Fee (Endorsement Required)	1.50
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>

Postmark Here  
 CONTRACT STATION  
 HOBBS NM 88240  
 OCT 2001

William Turner, NM Trustee for Natural Res  
 C/O American Ground Water Consul.  
 610 Gold St SW Ste 111  
 Albuquerque, NM 87102

PS Form 3800, May 2000 See Reverse for Instructions

7000 1530 0005 9895 4245

U.S. Postal Service  
**CERTIFIED MAIL RECEIPT**  
 (Domestic Mail Only, No Insurance Coverage Provided)

Postage	\$ .34
Certified Fee	2.10
Return Receipt Fee (Endorsement Required)	1.50
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>

Postmark Here  
 CONTRACT STATION  
 HOBBS NM 88240  
 OCT 2001

NMOGA  
 PO Box 1864  
 Santa Fe, NM 87504-1864

PS Form 3800, May 2000 See Reverse for Instructions

7000 1530 0005 9895 4138

U.S. Postal Service  
**CERTIFIED MAIL RECEIPT**  
 (Domestic Mail Only, No Insurance Coverage Provided)

Postage	\$ .34
Certified Fee	2.10
Return Receipt Fee (Endorsement Required)	1.50
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>

Postmark Here  
 CONTRACT STATION  
 HOBBS NM 88240  
 OCT 2001

Colin Adams, Environ. Counsel  
 Public Service Co of NM  
 414 Silver, SW  
 Albuquerque, NM 87108

PS Form 3800, May 2000 See Reverse for Instructions

U.S. Postal Service  
**CERTIFIED MAIL RECEIPT**  
 (Domestic Mail Only, No Insurance Coverage Provided)

Postage	\$ .34
Certified Fee	2.10
Return Receipt Fee (Endorsement Required)	1.50
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>

Postmark Here  
 CONTRACT STATION  
 HOBBS NM 88240  
 OCT 2001

Ken Marsh  
 CRI  
 PO Box 369  
 Hobbs, NM 88241

PS Form 3800, May 2000 See Reverse for Instructions

7000 1530 0005 9895 4124

U.S. Postal Service  
**CERTIFIED MAIL RECEIPT**  
 (Domestic Mail Only, No Insurance Coverage Provided)

Postage	\$ .34
Certified Fee	2.10
Return Receipt Fee (Endorsement Required)	1.50
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>

Postmark Here  
 CONTRACT STATION  
 HOBBS NM 88240  
 OCT 2001

Thomas W Merlan, Director  
 228 East Palace Ave  
 Villa River Room 101  
 Santa Fe, NM 87503

PS Form 3800, May 2000 See Reverse for Instructions

7000 1530 0005 9895 4039

U.S. Postal Service  
**CERTIFIED MAIL RECEIPT**  
 (Domestic Mail Only, No Insurance Coverage Provided)

Postage	\$ .34
Certified Fee	2.10
Return Receipt Fee (Endorsement Required)	1.50
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>

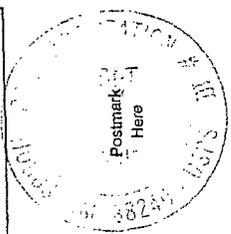
Postmark Here  
 CONTRACT STATION  
 HOBBS NM 88240  
 OCT 2001

Mike Matush  
 State Land Office Building  
 Santa Fe, NM 87503

PS Form 3800, May 2000 See Reverse for Instructions

U.S. Postal Service  
**CERTIFIED MAIL RECEIPT**  
 (Domestic Mail Only; No Insurance Coverage Provided)

Postage	\$ .34
Certified Fee	2.10
Return Receipt Fee (Endorsement Required)	1.50
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>



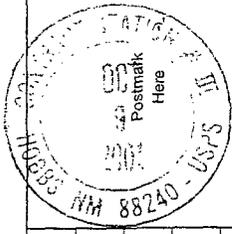
Patricia A D'Andrea  
 PO Box 6387  
 Santa Fe, NM 87502

PS Form 3800, May 2004 See reverse for instructions

7000 1530 0005 9895 425

U.S. Postal Service  
**CERTIFIED MAIL RECEIPT**  
 (Domestic Mail Only; No Insurance Coverage Provided)

Postage	\$ .34
Certified Fee	2.10
Return Receipt Fee (Endorsement Required)	1.50
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>



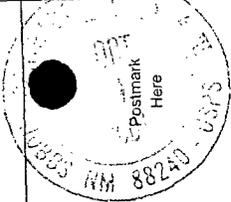
NM Water Well Association  
 1205 California NE  
 Albuquerque, NM 87110

PS Form 3800, May 2004 See reverse for instructions

7000 1530 0005 9895 400

U.S. Postal Service  
**CERTIFIED MAIL RECEIPT**  
 (Domestic Mail Only; No Insurance Coverage Provided)

Postage	\$ .34
Certified Fee	2.10
Return Receipt Fee (Endorsement Required)	1.50
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>



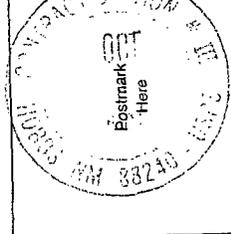
Jay Lazarus  
 PO Box 5727  
 Santa Fe  
 NM, 87502

PS Form 3800, May 2004 See reverse for instructions

7000 1530 0005 9895 400

U.S. Postal Service  
**CERTIFIED MAIL RECEIPT**  
 (Domestic Mail Only; No Insurance Coverage Provided)

Postage	\$ .34
Certified Fee	2.10
Return Receipt Fee (Endorsement Required)	1.50
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>

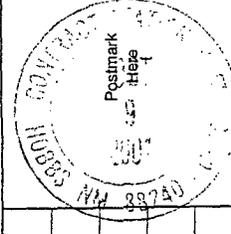


Sen: Gerald R. Zimmerman  
 St: Colorado River Board of Calif  
 City: 770 Fairmont Ave Ste 100  
 Glendale, CA 91203-1035

7000 1530 0005 9895 455

U.S. Postal Service  
**CERTIFIED MAIL RECEIPT**  
 (Domestic Mail Only; No Insurance Coverage Provided)

Postage	\$ .34
Certified Fee	2.10
Return Receipt Fee (Endorsement Required)	1.50
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>

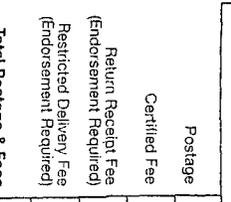


Sen: Regional Forester  
 St: USFS Regional Office  
 City: 517 Gold Avenue SW  
 Albuquerque, NM 87102

7000 1530 0005 9895 388

U.S. Postal Service  
**CERTIFIED MAIL RECEIPT**  
 (Domestic Mail Only; No Insurance Coverage Provided)

Postage	\$ .34
Certified Fee	2.10
Return Receipt Fee (Endorsement Required)	1.50
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>



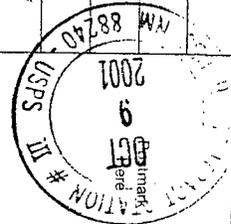
Sen: Jeane Hafren  
 St: El Paso Natural Gas  
 City: PO Box 1492  
 El Paso, TX 79978

7000 1530 0005 9895 400

U.S. Postal Service  
**CERTIFIED MAIL RECEIPT**  
 (Domestic Mail Only; No Insurance Coverage Provided)

**U.S. Postal Service  
CERTIFIED MAIL RECEIPT**  
(Domestic Mail Only, No Insurance Coverage Provided)

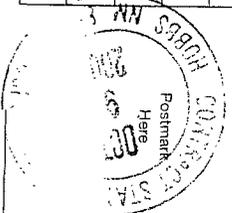
Postage	\$ .34
Certified Fee	2.10
Return Receipt Fee (Endorsement Required)	1.50
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>



State Land Lease: Millard Deck  
ATTN: Debra Padilla  
P. O. Box 1148  
Sante Fe, NM 87504-1148

**U.S. Postal Service  
CERTIFIED MAIL RECEIPT**  
(Domestic Mail Only, No Insurance Coverage Provided)

Postage	\$ .34
Certified Fee	2.10
Return Receipt Fee (Endorsement Required)	1.50
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>

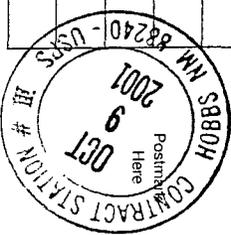


Science Applications, Inc  
PO Box 3344  
Boulder, CO 80303

PS Form 3800, MAY 2000 See Reverse for Instructions

**U.S. Postal Service  
CERTIFIED MAIL RECEIPT**  
(Domestic Mail Only, No Insurance Coverage Provided)

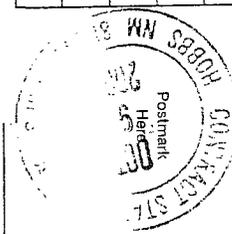
Postage	\$ .34
Certified Fee	2.10
Return Receipt Fee (Endorsement Required)	1.50
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>



Sent To Rosalio M. Ruiz  
Street, Apt. No. or PO Box No. BO Box 91  
City, State, ZIP+4 Elvira Nm 88231

**U.S. Postal Service  
CERTIFIED MAIL RECEIPT**  
(Domestic Mail Only, No Insurance Coverage Provided)

Postage	\$ .34
Certified Fee	2.10
Return Receipt Fee (Endorsement Required)	1.50
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>



Director Albuquerque Environ.  
Health Dept  
PO Box 1293  
Albuquerque, NM 87103

PS Form 3800, MAY 2000 See Reverse for Instructions

**U.S. Postal Service  
CERTIFIED MAIL RECEIPT**  
(Domestic Mail Only, No Insurance Coverage Provided)

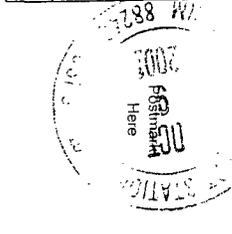
Postage	\$ .34
Certified Fee	2.10
Return Receipt Fee (Endorsement Required)	1.50
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>



Bruce S Garber  
Attorney at Law  
PO Box 0850  
Santa Fe, NM 87504-0850

**U.S. Postal Service  
CERTIFIED MAIL RECEIPT**  
(Domestic Mail Only, No Insurance Coverage Provided)

Postage	\$ .34
Certified Fee	2.10
Return Receipt Fee (Endorsement Required)	1.50
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>



Perry Pearce  
Burlington Resources  
300 Galisteo Suite 101  
Santa Fe, NM 87501

PS Form 3800, MAY 2000 See Reverse for Instructions

7000 1670 0009 8290 2452

7000 1670 0009 8290 2711

7000 1670 0009 8290 2445

7000 1670 0009 8290 2476

7000 1670 0009 8290 2582

# U.S. Postal Service CERTIFIED MAIL RECEIPT

(Domestic Mail Only, No Insurance Coverage Provided)

Certified Fee	.34
Return Receipt Fee (Endorsement Required)	2.10
Restricted Delivery Fee (Endorsement Required)	1.50
<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>



Westinghouse Electric Corp  
Manager-Uranium Res  
PO Box 355  
Pittsburg, PA 15230

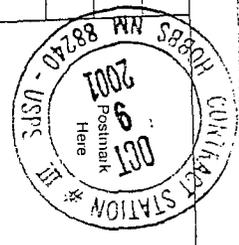
Instructions

7000 1670 0009 8290 2575

# U.S. Postal Service CERTIFIED MAIL RECEIPT

(Domestic Mail Only, No Insurance Coverage Provided)

Postage	\$ .34
Return Receipt Fee (Endorsement Required)	2.10
Restricted Delivery Fee (Endorsement Required)	1.50
<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>



Lee Wilson & Associates  
PO Box 931  
Santa Fe, NM 87501

PS Form 3800, May 2000 See Reverse for Instructions

7000 1530 0005 9895 4275

# U.S. Postal Service CERTIFIED MAIL RECEIPT

(Domestic Mail Only, No Insurance Coverage Provided)

Postage	\$ .34
Certified Fee	2.10
Return Receipt Fee (Endorsement Required)	1.50
<b>Total Postage &amp; Fees</b>	<b>\$ 3.94</b>

SINCE 10-8-01  
DMD  
Postmark Here  
DM DAVIS

Sent To  
Lea County Commission  
Street, Apt. No.; or PO Box No.  
BOX 46 Court House  
City, State, ZIP+4  
Livingston, NM 88260  
PS Form 3800, May 2000 See Reverse for Instructions



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**GARY E. JOHNSON**  
Governor  
**Jennifer A. Salisbury**  
Cabinet Secretary

**Lori Wrotenbery**  
Director  
**Oil Conservation Division**

October 3, 2001

**CERTIFIED MAIL**  
**RETURN RECEIPT NO: 5357-7973**

Ms. Carolyn Doran Haynes  
Rice Operating Company  
122 West Taylor  
Hobbs, New Mexico 88240

**RE: STAGE 1 AND STAGE 2 ABATEMENT PLAN PROPOSALS (AP-27)  
JUNCTION BOX E-15 SITE  
LEA COUNTY, NEW MEXICO**

Dear Ms. Haynes:

The New Mexico Oil Conservation Division (OCD) has reviewed Rice Operating Company's (Rice) June 5, 2001 "ABATEMENT PLAN AP-27: STAGE I AND STAGE II: JUNCTION BOX E-15 SITE, UL D&E, SEC 15, T22S, R37E, BLINEBRY DRINKARD SWD SYSTEM, LEA COUNTY, NEW MEXICO". This document contains Rice's proposed Stage 1 and Stage 2 abatement plans for investigation and remediation of contamination related to Rice's Junction Box E-15 Site located in Unit D and Unit E of Section 15, Township 22 South, Range 37 East, Lea County, New Mexico.

The OCD has determined that the above referenced Stage 1 and Stage 2 Abatement Plan Proposals are administratively complete. Before the OCD can complete a review of the Stage 1 and Stage 2 proposals, the OCD requires that:

1. Rice issue by October 18, 2001 the enclosed Stage 1 and Stage 2 notice of publication in the Albuquerque Journal, Lovington Daily Leader and Hobbs News Sun pursuant to OCD Rule 19.G.(2).
2. Prior to issuing public notice, Rice shall issue written notice of the Stage 1 and Stage 2 proposals pursuant to OCD Rule 19.G.(1). Enclosed you will find a 3.5" disk containing a "Word" listing of "those persons, as identified by the Director, who have requested notification" pursuant to OCD Rule 19.G.(1).(d). The disk also contains the contact for the New Mexico Trustee for Natural Resources.

3. Rice provide the OCD with proof of publication and proof of written notice by November 2, 2001. Proof of notice shall include a map of the surface owners of record within one (1) mile of the perimeter of the site and shall identify compliance with each of the provisions of Rule 19.G.

If you have any questions, please contact Bill Olson of my staff at (505) 476-3491.

Sincerely,



Roger C. Anderson  
Environmental Bureau Chief

RCA/wco

Enclosures

cc: Chris Williams, OCD Hobbs District Office  
Mike Griffin, Whole Earth Environmental

## **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 1 and Stage 2 Abatement Plan Proposals have been submitted to the Director of the Oil Conservation Division, 1220 St. Francis Dr., Santa Fe, New Mexico 87505, Telephone (505) 476-3440:

Rice Operating Company, Carolyn Doran Haynes, Operations Engineer, Telephone (505) 393-9174, 122 West Taylor, Hobbs, New Mexico 88240, has submitted Stage 1 and Stage 2 Abatement Plan Proposals for the Junction Box E-15 Site, located in Unit D and Unit E of Section 15 of Township 22 South, Range 37 East, NMPM, Lea County, New Mexico. Rice Operating Company operates a produced water pipeline at the site. Chloride contamination in excess of New Mexico Water Quality Control Commission standards has been observed in ground water at the site. The Stage 1 and Stage 2 Abatement Plan Proposals presents the following activities: determine site geology and hydrogeology; conduct a registered water well search within a 1 mile radius of the site; install monitoring wells; collect soil samples for field screening and/or laboratory analysis from each boring; collect ground water samples for laboratory analysis from each monitoring well; obtain depth to ground water measurements and calculate the ground water gradient and direction; survey all well locations by a professional land surveyor registered in the State of New Mexico; proposed methods for remediation of the site including remediation of contaminated soils, remediation of contaminated ground water, site maintenance activities; a monitoring and sampling plan for soils and ground water; preparation of regular reports; and a schedule for implementation of all investigation, remediation and monitoring activities

Any interested person may obtain further information from the Oil Conservation Division and may submit to the Director of the Oil Conservation Division, at the address given above, written comments or a written request for a public hearing that include reasons why a hearing should be held. The Stage 1 and Stage 2 Abatement Plan Proposals may be viewed at the above address or at the Oil Conservation Division Hobbs 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 the proposed Stage 1 and Stage 2 Abatement Plan Proposals, 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 or a written request for a hearing may be submitted.

# **RICE Operating Company**

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

**CERTIFIED MAIL**

**RETURN RECEIPT NUMBER: 7099 3220 0001 9928 4546**

June 5, 2001

Mr. William C. Olson  
NMOCD Environmental Bureau  
1220 S. St. Francis Drive  
Santa Fe, NM 87505

Re: Abatement Plan AP-27: Stage I and Stage II:  
Junction Box E-15 Site  
UL D&E, Sec 15, T22S, R37E  
Blinebry Drinkard SWD System  
Lea County, New Mexico

Dear Mr. Olson:

Rice Operating Company (ROC) is in receipt of Roger C. Anderson's letter dated May 3, 2001, requesting that ROC submit to the NMOCD by July 3, 2001 a State I abatement plan investigation proposal pursuant to NMOCD Rule 19.E.1 and OCD Rule 19.E.3.

On March 30, 2000, ROC submitted a C-141 form describing a produced water accidental discharge in the BD SWD System area. After extensive delineation activity, it was found that groundwater was impacted with chlorides in excess of the New Mexico Water Quality Control Commission Standards. Pursuant to NM OCD Rule 19, ROC is submitting the Stage I and Stage II delineation report and abatement plan.

ROC is the service provider (operator) for Seven Salt Water Disposal Systems in Lea County, New Mexico: Eunice-Monument-Eumont (EME) SWD System, Blinebry Drinkard (BD) SWD System, Justis SWD System, ABO SWD System, Vacuum SWD System, Hobbs SWD System, and Hobbs East SWD System. ROC has no ownership of any portion of pipelines, wells, equipment or facilities. Each System is owned by a unique consortium of oil producers called System Partners, who provide all operating capital on a percentage ownership/usage basis.

Abatement plan AP-27  
Junction Box E-15 Site  
June 5, 2001  
Page 2 of 2

The release site of UL D&E, Sec 15, T22S, R37E, Junction Box E-15, has been identified to have an extensive environmental involvement. The firm of Whole Earth Environmental, Inc. has been retained to assist ROC in remediation activities at this site. The Stage I and Stage II Abatement Plan was compiled by Whole Earth. The landowners, Mr. Irvin Boyd and Mr. Robert Cueto, were notified and have received regular updates on the site progress.

ROC conducted excavation and disposal work until it became evident the impact was extensive. Approximately 2000 cubic yards were hauled to the Sundance Parabo Facility since the discovery of the impact. Further site characterization was done with borings at the site and then monitor wells at the site, up-gradient and down-gradient. The monitor wells were completed, developed, and sampled according to NMOCD guidelines. Results are included in the report.

If you have any questions please call me at the ROC office, or Mike Griffin of Whole Earth Environmental, Inc at 800-854-4358.

Sincerely,

RICE OPERATING COMPANY



Carolyn Doran Haynes  
Operations Engineer

Enclosure: Whole Earth Junction Box E-15 Site Protocol

cc: LG, Mike Griffin, I. Boyd, R. Cueto, file

Chris Williams  
NMOCD Hobbs District  
1625 French Drive  
Hobbs, NM



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON  
Governor  
Jennifer A. Salisbury  
Cabinet Secretary

Lori Wrotenbery  
Director  
Oil Conservation Division

May 3, 2001

**CERTIFIED MAIL**  
**RETURN RECEIPT NO. 5051-4331**

Ms. Carolyn Doran Haynes  
Rice Operating Company  
122 West Taylor  
Hobbs, New Mexico 88240

**RE: ABATEMENT PLAN AP-27  
JUNCTION BOX E-15 SITE  
LEA COUNTY, NEW MEXICO**

Dear Ms. Haynes:

The New Mexico Oil Conservation Division (OCD) has reviewed Rice Operating Company's (ROC) January 25, 2001 e-mail titled "NOTICE OF IMPACT TO GROUND WATER" and January 26, 2001 "NOTICE OF GROUND WATER IMPACT: UL D&E, SEC 15, T22S, R37E, BD SWD SYSTEM OPERATED BY RICE OPERATING SYSTEM" which were submitted on behalf of ROC by their consultant Whole Earth Environmental, Inc. These documents contain information on the discovery of ground water contamination during the investigation of the extent of contamination at ROC's BD SWD System Junction Box E-15 located in Units D&E of Section 15, Township 22 South, Range 37 East, NMPM, Lea County, New Mexico.

A review of the information provided shows that ground water at the site is contaminated with chloride in excess of the New Mexico Water Quality Control Commission (WQCC) standards. Pursuant to 19 NMAC 15.A.19.C.1, the OCD requires an abatement plan for the Junction Box E-15 Site to abate ground water pollution. To initiate the abatement plan process, the OCD requires that ROC submit to the OCD by July 3, 2001 a Stage 1 abatement plan investigation proposal pursuant to OCD Rule 19.E.1. and OCD Rule 19.E.3.

If you have any questions, please contact Bill Olson at (505) 827-7154.

Sincerely,

A handwritten signature in black ink, appearing to read "Roger C. Anderson".

Roger C. Anderson  
Environmental Bureau Chief

xc: Chris Williams, OCD Hobbs District Supervisor



Whole Earth Environmental, Inc.  
19606 San Gabriel, Houston, Texas 77084  
281/492-7077 • Fax: 281/646-8996

JAN 29

January 26, 2001

Mr. Wayne Price  
NMOCD Office  
1220 South St. Francis Dr.  
Sante Fe, New Mexico 88505

Re: Notice of Groundwater Impact: UL D&E, Sec 15, T22S, R37E  
BD SWD System Operated by Rice Operating System

Dear Mr. Price:

On January 22<sup>nd</sup> Whole Earth Environmental, Inc. witnessed the drilling and completion of two water monitoring wells situated adjacent to a spill area defined as UL D&E Sec 15, T22S, Range 37E, Junction Box E-15. A 7.5 minute map specifying the location is included within this transmittal.

On January 23<sup>rd</sup> Whole Earth Environmental, Inc. collected water samples from the two wells and transported them to Environmental Labs of Texas for the analysis of BTEX and chlorides. The enclosed analytical results indicate that the chloride concentrations within MW-1 exceed NMWQCC standards. The analytical results for MW-2 should not be considered reliable or accurate as we were unable to bail sufficient fluids from within the wellbore to develop the well.

These analytical results were received by Whole Earth Environmental, Inc. on the morning of January 25. Mr. Olson was notified of these results by e-mail that afternoon.

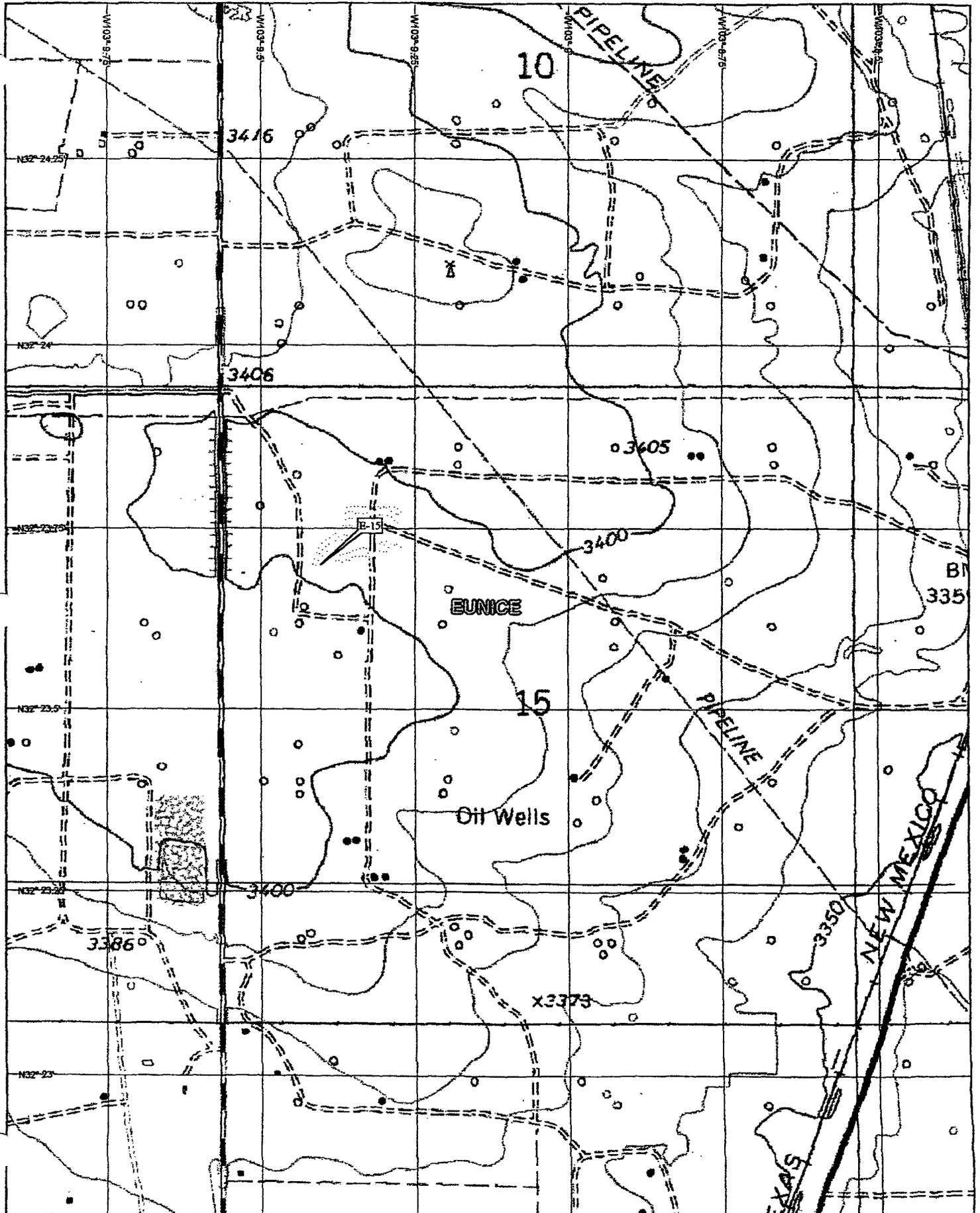
We are presently working to provide you and Chris Williams a Stage 2 Abatement Plan by March 31st, 2001.

Sincerely,

Mike Griffin  
President  
Whole Earth Environmental, Inc.

Cc: Carolyn Haynes / Rice Operating System

Enclosure: 7.5' map  
ELT Analysis  
Chain of Custody



# ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

WHOLE EARTH ENVIRONMENTAL  
ATTN: MR. MIKE GRIFFIN  
19606 SAN GABRIEL  
HOUSTON, TEXAS 77084  
FAX: 281-646-8996

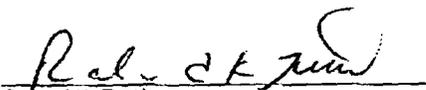
Sample Type: Water  
Sample Condition: Intact/ Iced/ -1 deg. C  
Project #: None Given  
Project Name: JB-15  
Project Location: Eunice, N.M.

Sampling Date: 01/23/01  
Receiving Date: 01/24/01  
Analysis Date: 01/24/01

ELT#	FIELD CODE	Chloride mg/L
36787	MW-1	19675
36788	MW-2	780

QUALITY CONTROL	5140
TRUE VALUE	5000
% INSTRUMENT ACCURACY	103
BLANK	<10

METHODS: EPA 325.3

  
Raland K. Tuttle

1-25-01  
Date

# ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

WHOLE EARTH ENVIRONMENTAL  
ATTN: MR. MIKE GRIFFIN  
19606 SAN GABRIEL  
HOUSTON, TEXAS 77084  
FAX: 281-646-8996

Sample Type: Water  
Sample Condition: Intact/ Iced/ HCl/ -1 deg. C  
Project #: None Given  
Project Name: JB-15  
Project Location: Eunice, N.M.

Sampling Date: 01/23/01  
Receiving Date: 01/24/01  
Analysis Date: 01/24/01

ELT#	FIELD CODE	BENZENE mg/L	TOLUENE mg/L	ETHYLBENZENE mg/L	m,p-XYLENE mg/L	o-XYLENE mg/L
36787	MW-1	<0.001	<0.001	<0.001	<0.001	<0.001
36788	MW-2	<0.001	<0.001	<0.001	<0.001	<0.001

%IA	104	103	105	107	108
%EA	93	92	95	96	97
BLANK	<0.001	<0.001	<0.001	<0.001	<0.001

METHODS: EPA SW 846-8021B ,5030

  
Raland K. Tuttle

1-25-01  
Date



**Olson, William**

**From:** Whole Earth Environmental [SMTP:wearth@iAmerica.net]  
**Sent:** Thursday, January 25, 2001 2:36 PM  
**To:** Bill Olson  
**Subject:** Notice of Impact to Ground Water

In accordance with Rice Operating Company's previously submitted Remediation Plan, Whole Earth Environmental witnessed the drilling and completion of two monitor wells situated adjacent to a spill area defined as UL D&E, Sec. 15, T22s, R37E: Junction Box E-15.

The location of the first well was immediately southeast of the center of the excavated area. Though no BTEX was found within the water, we discovered that the chloride concentrations were 19,675 mg/L.

A second well was drilled at a location approximately 400' southeast of the first however the tight formation did not produce water immediately upon completion. Twenty-four hours after drilling the well, Whole Earth was able to bail only 15 liters from the well bore. The laboratory analytical results for this well should thus not be considered reliable or accurate.

A copy of the analytical report and related chain of custody will be forwarded to your office immediately.

Whole Earth will submit a remediation protocol and abatement plan to you and Chris Williams by March 31<sup>st</sup>, 2001.

Please advise if you need any further information.