AP-66

STAGE 1 & 2 ABATEMENT PLAN

DATE: 10-24-07

RICE Operating Company RECEIVED

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

2008 MAY 7 PM 1 58

CERTIFIED MAIL RETURN RECEIPT NO. 7005 1820 0001 6804 4943

May 5, 2008

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

RE:

EME jct. N-5 (AP-66) PUBLIC NOTIFICATION

Mr. Hansen:

In accordance with Rule 19 (Section 19.15.1.19 NMAC, Subsection G) Public Notice requirements, please accept the enclosed copies of proof that the appropriate individuals and entities were notified of the Stage 2 Abatement Plan submitted by Gilbert J. Van Deventer of Trident Environmental (Trident) for the N-5 Junction Box Site on October 24, 2007. In an email dated February 13, 2008, the Oil Conservation Division (OCD) notified Rice Operating Company (ROC) that the Stage 2 Abatement Plan was conditionally administratively complete and directed ROC to proceed with public notice. Trident is currently addressing the technical deficiencies outlined by OCD in the communication and will be submitting an amended Stage 2 Abatement Plan for this site very soon.

Notices were sent via certified mail to landowners within the prescribed radius and return receipts were received for all landowners, indicating that the mailing was received. Mailings were also sent to the Lea County Commission and the list of Interested Parties found on the OCD website. Two individuals on the Interested Parties list were notified via e-mail to the addresses provided on the list. Forty total notifications were sent and delivery was not confirmed for three individuals on the Interested Parties List. The notification to Mike Schultz of the International Technology Corp. (from the OCD Interested Parties list) was returned as "attempted—not known." Previous delivery attempts to this address have been refused. At the time of this submission, a return receipt for the State Parks & Recreation director has not been received. Notification to Dr. Harry Bishara of Cuba, New Mexico was left unclaimed.

As directed by OCD, the Stage 2 Abatement Plan notifications were published in the *Albuquerque Journal* and the *Hobbs News-Sun* newspapers on February 27, 2008. Affidavits for these publications are enclosed.

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

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

RICE OPERATING COMPANY

Kristin Farris Pope

Project Scientist

enclosures:

summary table of notifications,

newspaper affidavits, return receipt copies,

e-mail copies

Knistin Sains Pope

cc:

MB, Trident, file, Daniel Sanchez (NMOCD)

NOTICE OF PUBLICATION
State of New Mexico
Energy Minerals and Natural
Resources Department Resources Department A Resources Department A Resources Department A Policonservation Division

Notice is hereby given that pursulant to New Mexico (Oil, Conservation) Division A Regulations, the following Stage 12" Abatement Plan Proposal has been submitted to the Director of the Oil Conservation Division A 120; 53' 51", Francis Dr. 1 Santa Fe New Mexico 8 7505. Telephone (505) 476: 3440.

Hice Operating Company Scott Curtis, General Manager Talebrions (505) 393-9174 A 122 West Talebrions (505) 393-9174 A 122 West Talebrione (505) 393-9174 A 122 West Talebrio Company, operates, a saltwa disposal pipeline val the si Groundwater samples at the site exhibit elevated chloride concentrations. ROC thas already mitigated the little exhibit elevated chloride concentrations. ROC thas already mitigated the little than the site of the little exhibit elevated chloride. Concentrations ROC thas already mitigated the little exhibit elevated the little exhibit elevated the little exhibit elevated the little exhibit exhibi

STATE OF NEW MEXICO County of Bernalillo SS

Bill Tafoya, being duly sworn, declares and says that he is Classified Advertising Manager of The Albuquerque Journal, and that this newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Session Laws of 1937, and that payment therefore has been made of assessed as court cost; that the notice, copy of which is hereto attached, was published in said paper in the regular daily edition, for times, the first publication being on the 2 day of and the subsequent consecutive publications on ______

Sworn and subscribed to before me, a Notary Public, in and for the County of Bernalillo and State of New Mexico this 27 day of 2008

PRICE \$52.67

Statement to come at end of month.

ACCOUNT NUMBER C 822114

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

OFFICIAL SEAL
Elyn Sloane
NOTARY PUBLIC

NOTARY PUBLIC STATE OF NEW MEXICO

My Commission Expires: 4

AFFIDAVIT OF PUBLICATION

State of New Mexico, County of Lea.

I, KATHI BEARDEN

PUBLISHER

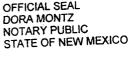
of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, do solemnly swear that the clipping attached hereto was published once a week in the regular and entire issue of said paper, and not a supplement thereof for a period.

of1	
	weeks.
Beginning with the is	ssue dated
February 27	2008
and ending with the i	ssue dated
February 27	2008
Lati Ba	uslu_
PUBLISH Sworn and subscrib	
me this 27th	day of
February	2008

My Commission expires February 07, 2009

Notary Public.

(Seal)



My Commission Expires: ____

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

NOTICE OF PUBLICATION State of New Mexico Energy, Minerals, and Natural Resources Department Oil Conservation Division Notice is hereby/given that pursuant to New Mexico Oil Conservation Division Regulations the following Stage (2) Abatement Plan Proposal has been submitted to the Director of title Oil Conservation Division; 1220 S. St. Francis Dr., Santa-Fe, New Mexico 87505. Teleprone (505) 476-3440. Rice Operating Company. Scott Curtis, General Manager, Telephone (505) 393-9174. 122 West Taylor. Hobbs. New Mexico 88240: has submitted a Stage 1 Final Investigation. Report and Stage 2 Abatement Plan Proposal (AP-66) for the EME. Jct. Ni 5 sitle. Tocated in Section 5, Township 20, south, Range 37 least. Lea County, New Mexico approximately. The south southwest of Monument. New Mexico. Rice Operating Company, operates a satisfact of significant stage of the Stage of the Stage of Stage 1 Final Investigation. Report and Stage 1 Lea County, New Mexico approximately miles south southwest of Monument. New Mexico. Rice Operating Company, operates a satisfact of sposal ppeline at the site. Groundwater samples at the site pskinbit elevated chloride concentrations Root has already mitigated the threat of past and future accidental releases at the Jct. Ni 5 site by permanently removing the function box and disposing 44 years of the proposal proposes additional actions which include (1) monitoring the vegetation for growth and adding amendments if necessary, and (2) continued quarterly groundwater sampling from on site monitoring wells MW. 1. MW-2 and MW. 3 If quarterly sampling results continue to show chloride and title control contrations consistent with regional impacts, and vegetation improves at its natural rate, a final abatement report and request for closure will be submitted to the NMoCD in the Initial quarter of 2008. Any interested person may obtain further information from the Oil Conservation Division at the address given above. The Stage 2 Abatement Plan Proposal may be viewed at the Jacobs. New Mexico 8

01104367000 02598529 RICE OPERATING COMPANY 122 WEST TAYLOR HOBBS, NM 88240

EME jct. N-5

Unit 'N', Sec. 5, T20S, R37E

Public Notice Mailings (2/26/2008) Stage 2 Abatement Plan (AP-66)

		De	elivery Stat	us	
	Landowner or Interested Party	Delivered US Mail	Delivered E-mail	Not Delivered	Comments
1	Jim Amos BLM, Carlsbad Field Office 620 East Greene Street Carlsbad, NM 88220	X			Return Receipt Received
2	Jimmie T. Cooper Star Route A, Box 55 Monument, NM 88265	X			Return Receipt Received
3	James Dellis Barber Estate First National Bank P.O. Box 1347 Colorado City, TX 79512	X			Return Receipt Received
4	Laughlin, M. E. Est Reeves Elsie Laughlin P.O. Box 90706 White Mountain Lake, AZ 85912	X			Return Receipt Received
5	Chevron Texaco 15 Smith Road Midland, TX 79705	Х			Return Receipt Received
6	Darrel Johnson New Mexico State Highway Dept. P.O. Box 1458 Roswell, NM 88202	X			Return Receipt Received
7	Charleie F. Byrd P.O. Box 32 Monument, NM 88265	X			Return Receipt Received
8	Trent Stradley S & W Cattle Company P.O. Box 1800 Hobbs, NM 88240	X			Return Receipt Received
9	William Edwin Johnston P.O. Box 152 Monument, NM 88265	X			Return Receipt Received
10	Delores A. Nash P.O. Box 239 Monument, NM 88265	X			Return Receipt Received
11	Jimmie B. Cooper 7501 S Raymond Ln Hobbs, NM 88240	X			Return Receipt Received
12	Attorney General's Office P.O. Box 1508 Santa Fe, NM 87502 - 0115	X			Return Receipt Received
13	Bureau of Land Management State Director P.O. Box 27115 Santa Fe, NM 87502 - 0115	X			Return Receipt Received
14	Chief Hazardous Waste Bureau Runnels Building Santa Fe, NM 87504	X			Return Receipt Received

15	Gerald R. Zimmerman Colorado River Board of Calif. 770 Fairmont Ave, Ste. 100 Glendale, CA 91203 - 1035	X			Return Receipt Received
16	Dr. Harry Bishara P.O. Box 748 Cuba, NM 87013			X	Unclaimed
17	Mike Schulz International Technology Corp. 5301 Central Avenue, NE Suite 700 Albuquerque, NM 87108			X	Attempted; Not Known
18	Ken Marsh P.O. Box 388 Hobbs, NM 88241	X			Return Receipt Received
19	Ned Kendrick Attorney at Law 325 Paseo de Peralta Santa Fe, NM 87501	X			Return Receipt Received
20	Lynn Brandvold NM Bureau of Mines & Mineral Resources NM Institute of Mining & Tech Socorro, NM 87801	X			Return Receipt Received
21	Randy Hicks 901 Rio Grande Blvd NW, Suite F-142 Albuquerque, NM 87104	X			Return Receipt Received
22	Bruce S. Garber Attorney at Law P.O. Box 0850 Santa Fe, NM 87504 - 0850	X			Return Receipt Received
23	Chief Groundwater Bureau Runnels Building Santa Fe, NM 87504	X			Return Receipt Received
24	Jack A. Barnett Colorado River Basin Ctrl. Forum 106 West 500 South, Suite 101 Bountiful, UT 84010 Email: jbarnett@barnettwater.com		X	,	E-mailed 4/7/2008
25	Department of Game & Fish Director Villagra Building Santa Fe, NM 87503	X			Return Receipt Received
26	Public Service Company of NM Environmental Counsel ATTN: Colin Adams 414 Silver SW Albuquerque, NM 87158	X			Return Receipt Received
27	Jay Lazarus P.O. Box 5727 Santa Fe, NM 87502	X			Return Receipt Received
28	Lee Wilson & Associates P.O. Box 931 Santa Fe, NM 87501	Х			Return Receipt Received
29	New Mexico Environmental Department Secretary P.O. Box 26110 Santa Fe, NM 87501	Х			Return Receipt Received
30	NM Oil & Gas Association P.O. Box 1864 Santa Fe, NM 87504 - 1864	X			Return Receipt Received

	TOTALS	35	2	3	
40	Lea County Administration Office Attn: Lue Ethridge 100 N. Main Street, Suite 4 Lovington, NM 88260	X			Return Receipt Recei
39	William Turner NM Trustee For Natural Resources C/O American Ground Water Consultants 610 Gold St. SW, Suite 111 Albuquerque,NM 87102	X			Return Receipt Receiv
38	Regional Forester USFS Regional Office 517 Gold Avenue SW Albuquerque, NM 87102 Email: cgarcia@fs.fed.us		X		E-mailed 4/7/2008
37	State Parks & Recreation Director 1220 S St. Francis Santa Fe, NM 87505			X	Return receipt has no been received as of 5/2/2008
36	Ron Dutton Southwestern Public Service P.O. Box 1261 Amarillo, TX 79170	. X			Return Receipt Receiv
35	Water Resources Division State Engineer Bataan Building Santa Fe, NM 87503	X			Return Receipt Receiv
34	US Fish & Wildlife Service Field Supervisor 2105 Osuna Road NE Albuquerque, NM 87113 - 1001	X			Return Receipt Receiv
33	State Historic Preservation Officer Attn: Elmo Baca 228 East Palace Avenue Villa Rivera Room 101 Santa Fe, NM 87503	X			Return Receipt Receiv
32	Chris Shuey Southwest Research & Information Center P.O. Box 4524 Albuquerque, NM 87106	X			Return Receipt Receiv
31	Soil & Water Conservation Bureau NM Dept of Agriculture/Ag Programs & Resources Box 30005/APR Las Cruces,NM 88003 - 8005	X			Return Receipt Receiv

Kristin Pope

From:

"Kristin Pope" <kpope@riceswd.com>

To:

<jbarnett@barnettwater.com>
Monday, April 07, 2008 3:23 PM

Sent: Attach:

N-5 Stage 2 Public Notice amended.doc

Subject:

Rule 19 Public Notice (N-5)

Mr. Barnett:

In accordance with the NMOCD Rule 19 Public Notice requirements, please find the attached public notification document. This document was originally mailed to you on February 26, 2008.

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

Kristin Pope

From:

"Kristin Pope" <kpope@riceswd.com>

To:

<cgarcia@fs.fed.us>

Sent:

Monday, April 07, 2008 3:18 PM

Attach:

N-5 Stage 2 Public Notice amended.doc

Subject:

Rule 19 Public Notice (N-5)

Regional Forester:

In accordance with the NMOCD Rule 19 Public Notice requirements, please find the attached public notification document. This document was originally mailed to you on February 26, 2008.

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

Kristin Pope

From:

"Christina M Garcia" <cgarcia@fs.fed.us>
"Kristin Pope" <kpope@riceswd.com>
Monday, April 07, 2008 3:20 PM
Rule 19 Public Notice (N-5)

To: Sent:

Subject:

Return Receipt

Your

Rule 19 Public Notice (N-5)

document:

Christina M Garcia/R3/USDAFS

received

by:

at:

04/07/2008 15:20:12

 Article Addressed to: so that we can return the card to you.

Attach this card to the back of the mailpiece, Print your name and address on the reverse © Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Email: ron_Dutton@xcelenergy.com or on the front if space permits. Ron Dutton Southwestern Public Service P.O. Box 1261 Amarillo, TX 79170 3. Service Type D. Is delivery address different from item 1? \(\text{Yes} \)

If YES, enter delivery address below: \(\text{In No.} \) B. Received by (Printed Name) x r factor A. Signature ☐ Certified Mail ☐ Registered ☐ Express Mail
☐ Return Receipt for Merchandise FILE Date of Delivery

☐ Agent ☐ Addressee

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: Department of Game & Fish Director Villegra Building Santa Fe, NM 87503	A. Signature X
2. Article Number	4. Restricted Delivery? (Extra Fee)
2. Article Number 7007 2561 (Transfer from service label)	
SENDER CONFRE FRONT SET STORM (N) 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:	A. Signature A. Signature B. Received by (Printed Name) C. Date of Delivery
James Dellis Barber E:e : First National Bank P.O. Box 1347 Colorado City, TX 79512	3, Service Type ☐ Certified Mail ☐ Express Mail ☐ Registered ☐ Return Receipt for Merchandise ☐ Insured Mail ☐ C,O.D. 4. Restricted Delivery® (Extra Fee) ☐ Yes
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PS Form 3811, February 2004 Domestic Retu	requisitions a representation of the control of the

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06 W. 500 South, Suite 101 ountiful, UT 84010	3. Service Type ☐ Certified Mail ☐ Express Mail ☐ Registered ☐ Return Receipt for Merchandise ☐ Insured Mail ☐ C.O.D.	B. Received by (Printed Name) C C. Date of Delivery $CHAW (K, BLP)$ $CAR (K, BR)$ D. Is delivery address different from item 1? $CAR (K, BR)$ If YES, enter delivery address below. $CAR (K, BR)$	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 Ardressed to:
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Pomestic Return Receipt

491-W-20-969201

PS Form 3811, February 2004

☐ insured Mail ☐ C.O.D. 4. Restricted Delivery? (Extra Fee) ☐ Yes		
3. Service Type Certified Mail	Colin Adams Environmental Counsel Public Service Company of New Mexico 414 Silver. Southwest Albuquerque. NM 87158 Email: cadams@nm.com	
A Signature of Name) B. Received by (Printed Name) C. Date of Delivery address different from item 17	**************************************	
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The state of the mailpiece, or on the front if space permits. Anticle Addressed to: Automey General's Office P.O. Box 1508 Santa Fe, NM 87504	Attlate Humber Attlate Humber Secure 3811, February 2004 Secure 3811, February 2004 Secure 3811, February 2004 Domestic Return Receipt 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. Jim Amos SIM Carlsbad Field Office (20) Fast Greene Street Carlsbad. NM 88220	2. Article injumber (Transfer from service label) 7007 021 PS Form 3811, February 2004 Domestic F

PS Form 3811, February 2004

(Transfer from service label)

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Domestic Return Receipt

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102595-02-M-15

'S Form 3811, February 2004	L. Article Muraba (Transfer from service (sbef)		Hobbs, NNI 88241	Ken Marsh P.O. Box 300	. Article Addressed to:	 Complete terms 1, 2, and 3. Also complete term 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. 	'S Form 3811, February 2004 ไส่งได้เลืองสู <i>ลเก็บได้สาราสาร์แก็เริ่งสูล</i> เส็ งได้เลืองสูล<i>เก็บได้สาราสาร์แก็เร</i>็งสูล	L. Article Mumber (Transfer from service label)	100 N. Main Street, Suite 4 Lovington, NM 88260	Lea County Administration Office Atm: Lue Ethridge	Attach this card to the back of the mallpiece of on an ine front if space permits. Andrew Addressed to:	Explain to the state of the sta
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AP-66 Stage 1+2 Abstendent Plan 10-24-07

RECEIVED

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Environmental Bureau Oil Conservation Division October 24, 2007

STAGE 1 FINAL INVESTIGATION REPORT AND STAGE 2 ABATEMENT PLAN

EME JCT. N-5 SITE (AP-66) T20S, R37E, SECTION 5, UNIT LETTER N LEA COUNTY, NEW MEXICO

Prepared by:



Prepared for:

RICE Operating Company

122 West Taylor

Hobbs, New Mexico 88240

CERTIFIED MAIL RETURN RECIEPT NO. 7099 3400 0017 1737 1650



October 24, 2007

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

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Environmental Bureau

Oil Conservation Division

RE: Stage 1 Final Investigation Report and Stage 2 Abatement Plan EME Jct. N-5 Site (AP-66) T20S-R37E-Section 5, Unit Letter N Lea County, New Mexico

Dear Mr. Hansen:

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

Review of previous investigations and the results of the Stage 1 investigation uphold the conclusion that operation of the N-5 junction box has not caused, contributed to, or could in the future contribute to the degradation of groundwater quality. Based on photoionization detector (PID) readings the primary constituents of concern were benzene, xylenes, ethylbenzene, and xylenes (BTEX), however comprehensive investigation has revealed each constituent of BTEX is below 0.200 mg/kg in all sampled intervals. In addition, chloride concentrations in the vadose zone of all borings and trenches averaged only 178 ppm. Based on these findings it is evident that the soil column in the vicinity of the junction box contains only low concentrations of constituents, therefore there is insufficient mass of constituents to impair ground water quality at the site. The removal of 48 yd³ of hydrocarbon-impacted soil, upgrade of the pipeline from transite to high density polyethylene (poly), and re-seeding with a mixture of native grasses and plants has greatly reduced the risk of future potential accidental releases of produced water. Vegetation will be monitored for growth and amendments added if necessary.

Groundwater samples exhibit elevated chloride and total dissolved solids (TDS) concentrations consistent with regional impacts. If quarterly sampling results continue to support the conclusions described herein and vegetation improves at its natural rate, an abatement closure report will be submitted to the NMOCD in the third quarter of 2008.

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

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

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

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

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

Sincerely,

Gilbert Van Deventer, REM, PG

Trident Environmental

cc: CDH, JSC, KFP

NOTICE OF PUBLICATION

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

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

Rice Operating Company, Scott Curtis, General Manager, Telephone (505) 393-9174, 122 West Taylor, Hobbs, New Mexico 88240, has submitted a Stage 1 Final Investigation Report and 2 Abatement Plan Proposal (AP-66) for the EME Jct. N-5 site, located in Section 5, Township 20 south, Range 37 east, Lea County, New Mexico, approximately 2 miles south-southwest of Monument, New Mexico. Rice Operating Company operates a saltwater disposal pipeline at the site. Groundwater samples at the site exhibit elevated chloride concentrations. ROC has already mitigated the threat of past and future accidental releases at the Jct. N-5 site by permanently removing the junction box and disposing 48 vd³ of hydrocarbon-impacted soil, upgrading of the pipeline from transite to high density polyethylene (poly), installing a new concrete junction box, and re-seeding with a mixture of native grasses and plants. The Stage 2 Abatement Plan proposes additional actions which include: (1) monitoring the vegetation for growth and adding amendments if necessary, and (2) continued quarterly groundwater sampling from on site monitoring wells MW-1, MW-2, and MW-3. If quarterly sampling results continue to show chloride and TDS concentrations consistent with regional impacts, and vegetation improves at its natural rate, a final abatement report and request for closure will be submitted to the NMOCD in the third quarter of 2008.

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

From: "Gil Van Deventer" <gil@trident-environmental.com>

To: "Hansen, Edward J., EMNRD" <edwardj.hansen@state.nm.us>

Cc: "Scott Curtis" <scurtis@riceswd.com>; "Carolyn Haynes"

<chaynes@riceswd.com>; "Kristin Pope" <kpope@riceswd.com>

Subject: Stage 1 Final Investigation Report and Stage 2 Abatement Plan

for the EME Jct. N-5 Site (AP-66)

Date: Wednesday, October 24, 2007 2:42 PM

Attention: Edward Hansen,

New Mexico Oil Conservation Division - Environmental Bureau

Subject: Stage 1 Final Investigation Report and Stage 2 Abatement Plan

Site Name: EME Jct. N-5 Site (AP-66)

Site Location: T20S-R37E-Section 5, Unit Letter N, Lea County, New Mexico

Site Agent: RICE Operating Company

Hello Edward:

Please let this email serve as notification that Trident Environmental is submitting the Stage 1 Final Investigation Report and Stage 2 Abatement Plan for the EME Jct. N-5 Site (AP-66). One hard copy and one copy on compact disk is being sent via USPS Certified Mail (# 7099 3400 0017 1737 1650) today. Upon receipt from Trident, ROC will also provide a copy to the NMOCD District 1 office in Hobbs. I have attached a copy of the transmittal letter of said report in Adobe Reader format. The full report itself is too large (~28MB) to transmit as an email attachment.

I appreciate having the opportunity to work with you on this project. If you have any questions, please contact me at 432-638-8740, or Kristin Pope at ROC, 505-393-9174.

Thank you,

Gilbert J. Van Deventer, PG, REM Trident Environmental

Work/Mobile: 432-638-8740

Fax: 413-403-9968 Home: 432-682-0727 RECEIVED

NCT 2 9 2007

Environmental Bureau Oil Conservation Division

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1.0 EXECUTIVE SUMMARY

This Stage 1 Final Investigation Report and Stage 2 Abatement Plan include the findings from recent investigation activities in accordance with the NMOCD-approved Stage 1 Abatement Plan. In addition, corrective actions are proposed in Section 7.0.

Review of previous investigations and the results of the Stage 1 investigation uphold the conclusion that operation of the N-5 junction box has not caused, contributed to, or could in the future contribute to the degradation of groundwater quality. Based on photoionization detector (PID) readings the primary constituents of concern were benzene, xylenes, ethylbenzene, and xylenes (BTEX) however comprehensive investigation has revealed each constituent of BTEX is below 0.200 mg/kg in all sampled intervals. In addition, chloride concentrations in the vadose zone of all borings and trenches averaged only 178 ppm. Based on these findings it is evident that the soil column in the vicinity of the junction box contains only low concentrations of constituents, therefore there is insufficient mass of constituents to impair ground water quality at the site. The removal of 48 yd³ of hydrocarbon-impacted soil, upgrade of the pipeline from transite to high density polyethylene (poly), and re-seeding with a mixture of native grasses and plants has greatly reduced the risk of future potential accidental releases of produced water. Vegetation will be monitored for growth and amendments added if necessary.

Groundwater samples exhibit elevated chloride and total dissolved solids (TDS) concentrations consistent with regional impacts. If quarterly sampling results continue to support the conclusions described herein and vegetation improves at its natural rate, an abatement closure report will be submitted to the NMOCD in the third quarter of 2008.



2.0 CHRONOLOGY OF EVENTS

08/17/01	The subsurface soils at the N-5 junction box site were initially investigated by trenching with a backhoe and field-testing for chloride and hydrocarbon levels. This investigation indicated chloride and hydrocarbon impact to the vadose zone.
12/20/01	Three soil borings were performed 20 feet to the south, west, and north of the junction box for further delineation of impacted soils.
01/10/02	A monitoring well (MW-1) was installed within a few feet of the former junction box and has been sampled and analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX), major ions, and total dissolved solids (TDS) on a quarterly basis since that date.
01/18/02	ROC submitted notification of ground water impact to the NMOCD.
2003	The original junction box was upgraded with a lined watertight plastic junction box.
03/11/05	Trident Environmental submitted an Investigation and Characterization Plan (ICP).
05/05/05	Mr. Daniel Sanchez of the NMOCD requested that ROC submit an abatement plan to the NMOCD pursuant to Rule 19.
12/05/05	The Stage 1 Abatement Plan was submitted to the NMOCD.
01/13/06	ROC submitted proof of public notifications to the NMOCD.
05/30/06	NMOCD gave verbal approval of the Stage 1 Abatement Plan Proposal.
06/02/06	The BLM approved access to allow the installation of additional monitoring wells and soil borings.
07/17/06	Two additional monitoring wells (MW-2 and MW-3) and four soil borings (B-1 through B-4) were installed at the Jct. N-5 site in accordance with the Stage 1 Abatement Plan. Soil and groundwater samples were collected for analysis of the constituents of concern.
11/30/06	Pipeline replaced with 6" poly line. The site was re-seeded with a blend of native grass seed.
05/29/07	One additional soil boring (B-5) was conducted immediately adjacent to the southeast corner of the former junction box to further assess conditions in the immediate vicinity of the original junction box.



3.0 BACKGROUND

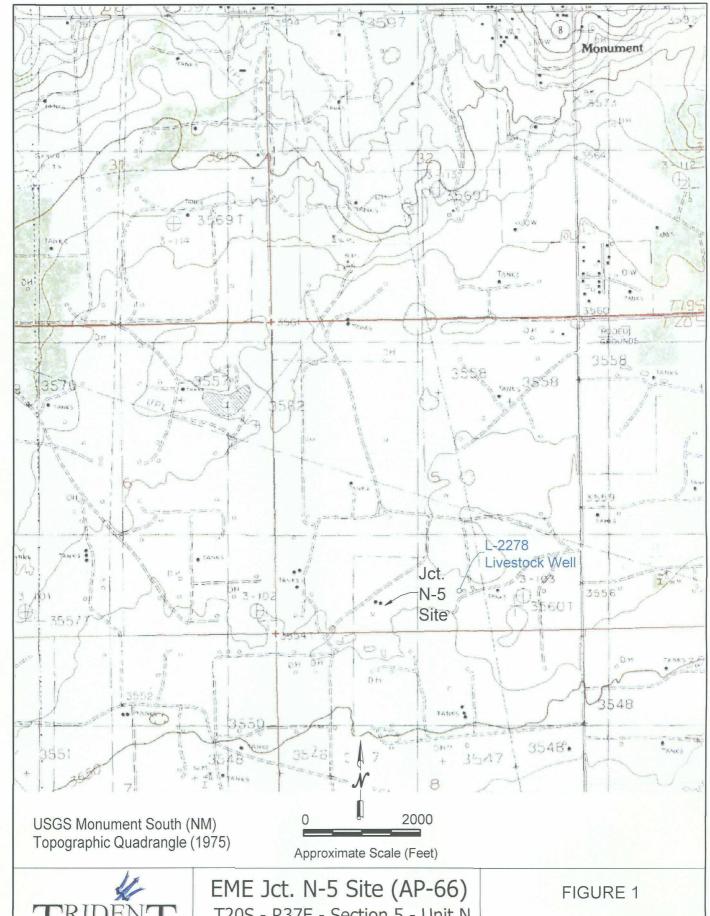
3.1 Site Location and Land Use

The EME Jct. N-5 site is located on Bureau of Land Management (BLM) Land in township 20 south, range 37 east, section 5, unit letter N approximately 2 miles south-southwest of Monument, NM as shown on the attached topographic map (Figure 1). The junction box at this site is used to direct produced water from oil and gas leases to the G-8 SWD facility, approximately ½ mile south-southeast, where it is injected into a non-oil producing formation. ROC is the service provider (agent) for the EME SWD System and has no ownership of any portion of the pipeline, well, or facility. The System is owned by a consortium of oil producers, System Partners, who provide all operating capital on a percentage ownership/usage basis.

Land in the site area is primarily utilized for crude oil production and cattle grazing. Several oil and gas production structures are located within and around the Jct. N-5 site including those shown in the aerial photograph below.



Aerial Photograph (April 2004)



T20S - R37E - Section 5 - Unit N RICE Operating Company

TOPOGRAPHIC MAP



4.0 GEOLOGY AND HYDROGEOLOGY

4.1 Regional and Local Geology

The site is underlain by Quaternary colluvium deposits composed of sand, silt, and gravel deposited by slopewash, and talus which were re-deposited from the underlying Ogallala Formation. These deposits are often calichified (indurated with cemented calcium carbonate) with caliche layers from 1 to 20 feet thick. The thickness of the colluvium deposits and Ogallala Formation at the Jct. N-5 site is estimated at 25 to 50 feet; however it varies locally as a result of significant paleo-topography at the top of the underlying Triassic Dockum Group. Since Cretaceous Age rocks in the region have been removed by pre-Tertiary erosion, the colluvial deposits and Ogallala Formation rest unconformably on the Triassic Dockum Group. The uppermost unit of the Dockum Group is the Chinle Formation, which primarily consists of micaceous red clay and shale but also contains thin interbeds of fine-grained sandstone and siltstone. The red clays and shale of the Chinle Formation act as an aquitard beneath the water bearing colluvial deposits and therefore limit the amount of recharge to the underlying Dockum Group.

The first four to twelve feet from ground surface consist of a fine- to medium-grained sandy loam (dune sand). Below the dune sand the subsurface soils are composed primarily of fine-grained sand with varying amounts of calcium carbonate (caliche) in the matrix that generally decreases with depth. The fine sand alternates with thin intervals of sandstone stringers between 22 ft and 30-ft bgs. More detailed descriptions of the subsurface lithology are provided in the soil boring and monitoring well logs (Appendix A).

4.2 Regional and Local Hydrogeology

Potable ground water used in southern Lea County is derived primarily from the Ogallala Formation and the Quaternary alluvium under unconfined conditions and is used for irrigation, stock, domestic, industrial, and public supply purposes. As a result of a review of public water records and several field reconnaissance efforts there currently are no known potential water supply receptors within 1,000 feet of the Jct. N-5 site. The nearest water supply well (L-2278) is located approximately 1,200 feet east-northeast of the site near the southwest corner of the Laughlin #4 tank battery. This well was initially completed as a water supply well for oil drilling in 1961 by Cities Service Oil Company and is currently used for livestock watering. This well is not at risk from any potential groundwater impacts near the Jct. N-5 site since it is cross-gradient to the prevailing southeast groundwater gradient direction.

Depth to ground water beneath the site area is approximately 30 feet bgs based on the most recent gauging data collected on August 27, 2007. The water table slopes towards the southeast at a magnitude of approximately 0.001 ft/ft which is consistent with that of several other groundwater monitoring sites in the Monument area and the regional gradient as cited in published reports (Nicholsen and Clebsch, 1961). There are no surface water bodies located within a mile of the site.



5.0 VADOSE ZONE CHARACTERISTICS

Results of previous soil and groundwater investigations were thoroughly described in the Stage 1 Abatement Plan. Based on those findings and in accordance with the Stage 1 Abatement Plan, four additional soil borings (B-1 through B-4) were installed on July 17 and 18, 2006, to further delineate the horizontal and vertical extent to the vadose zone. An additional boring (B-5) located immediately adjacent to the southeast corner of the former junction box was completed on May 29, 2007 to further assess conditions at the source. Each boring was advanced to a depth of 30 feet bgs and samples were collected with a split spoon at 5-foot intervals. Soil samples were analyzed in the field for chlorides using field-adapted Method 9253 (QP-03). In addition, headspace readings were obtained using a calibrated Thermal Instruments Model 580B Photoionization Detector (PID) in accordance with procedures described in QP-07. Select samples with PID readings exceeding 100 ppm were analyzed for BTEX at a laboratory. Results of the soil sampling activities are shown on Figure 2 and summarized in Table 1 on the following page. Photo documentation of field activities is included in Appendix B. Laboratory analytical reports and chain of custody documentation are included in Appendix D.

Chloride concentrations in the vadose zone of all borings and trenches were less than 668 ppm and averaged only 178 ppm. Duplicates of soil samples were submitted to the lab for confirmation of field testing activities.

PID readings within the vadose zone in all borings were minimal, with the exception of borings B-2 and B-5. However, BTEX concentrations in the intervals with the greatest PID readings in these two borings indicate levels below the laboratory detection limit and well below the OCD recommended guidelines for benzene (10 mg/kg) and BTEX (50 mg/kg).

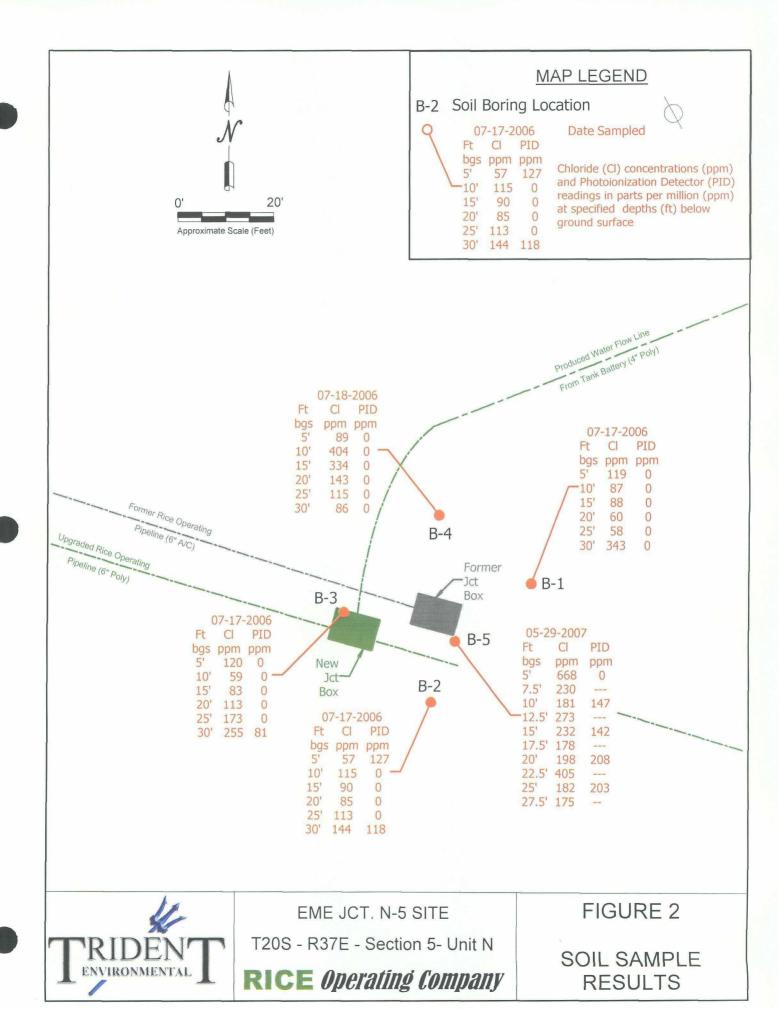


Table 1 **Summary of Soil Sampling Results**

Sample	Date	Date Depth Chloride (ppm) PI					PID Hydrocarbons (mg/kg)						
ID	Sampled	(ft bgs)	Field	Lab	(ppm)	В	Т	Е	X				
		5-7	119	NA	0	NA	NA	NA	NA				
B-1		10-12	87	NA	0	NA	NA	NA	NA				
	07/17/06	15-17	88	NA	0	NA	NA	NA	NA				
	07/17/06	20-22	60	NA	0	NA	NA	NA	NA				
		25-27	58	NA	0	NA	NA	NA	NA				
		28-30	343	NA	0	NA	NA	NA	NA				
		5-7	57	NA	127	< 0.010	< 0.010	< 0.010	<0.010				
B-2		10-12	115	NA	0	NA	NA	NA	NA				
	07/17/06	15-17	90	NA	0	NA	NA	NA	NA				
	07/17/06	20-22	85	NA	0	NA	NA	NA	NA				
		25-27	113	NA	0	NA	NA	NA	NA				
		28-30	144	NA	118	NA	NA	NA	NA				
		5-7	120	NA	0	NA	NA	NA	NA				
	07/17/06	10-12	59	NA	0	NA	NA	NA	NA				
B-3		15-17	83	NA	0	NA	NA	NA	NA				
B-3		20-22	113	NA	0	NA	NA	NA	NA				
		25-27	173	NA	0	NA	NA	NA	NA				
		28-30	253	NA	81	NA	NA	NA	NA				
B-4	07/18/06	5-7	89	NA	0	NA	NA	NA	NA				
		10-12	404	NA	0	NA	NA	NA	NA				
		15-17	334	457	17	NA	NA	NA	NA				
		20-22	143	NA	0	NA	NA	NA	NA				
		25-27	115	NA	11	NA	NA	NA	NA				
		28-30	86	NA	17	NA	NA	NA	NA				
		3-5	668	131	0	NA	NA	NA	NA				
B-5	05/29/07	7.5	230	NA	NA	NA	NA	NA	NA				
		8-10	181	NA	147	< 0.200	< 0.200	< 0.200	< 0.200				
		12.5	273	NA	NA	NA	NA	NA	NA				
		13-15	232	NA	142	< 0.200	< 0.200	< 0.200	< 0.200				
		17.5	178	NA	NA	NA	NA	NA	NA				
		18-20	198	NA	208	< 0.200	< 0.200	< 0.200	< 0.200				
		22.5	405	NA	NA	NA	NA	NA	NA				
		23-25	182	NA	203	< 0.200	< 0.200	< 0.200	<0.200				
		27.5	175	NA	NA	NA	NA	NA	NA				
MW-2	07/17/06	5-7	28	NA	0	NA	NA	NA	NA				
		10-12	58	NA	0	NA	NA	NA	NA				
		15-17	428	NA 555	0	NA NA	NA NA	NA NA	NA NA				
		20-22 25-27	457 484	555	0	NA NA	NA NA	NA NA	NA NA				
		5-7	55 55	NA NA	0	NA NA	NA NA	NA NA	NA NA				
	07/17/06	10-12			4			NA NA					
			118	NA NA	0	NA NA	NA NA	NA NA	NA NA				
MW-3		15-17	291	NA 256	0	NA NA	NA NA	NA NA	NA				
		20-22	322	256	0	NA	NA	NA NA	NA				
		25-27	143	NA	0	NA	NA	NA NA	NA				
L		28-30	113	NA	0	NA	NA	NA	NA				

NA – Not Analyzed or tested for this constituent.

BTEX – Benzene, toluene, ethylbenzene, and xylenes analyzed using Method 8021B by TraceAnalysis (Midland, TX)





6.0 GROUNDWATER QUALITY

6.1 Monitoring Program

Monitoring well (MW-1) has been sampled on a quarterly basis for major ions, TDS, and BTEX, since January 2002. On July 17, 2006, two additional monitoring wells (MW-2 and MW-3) were installed at the Jct. N-5 site to evaluate upgradient (northwest) and downgradient (southeast) groundwater quality conditions. A summary of historical analytical results and ground water elevations for monitoring wells MW-1, MW-2, and MW-3 is shown in Table 2 on the following page. A map of the most current groundwater quality conditions for the Jct. N-5 site is depicted in Figure 3. A copy of the laboratory analytical report and chain of custody form for the most recent ground water sampling event on August 27, 2007, is included in Appendix D.

6.2 Hydrocarbons in Ground Water

BTEX concentrations in monitoring wells MW-1, MW-2, and MW-3 have been below Water Quality Control Commission (WQCC) standards for each constituent and for every sampling event taken place. Groundwater at the Jct. N-5 site shows no impact from these hydrocarbon constituents.

6.3 Other Constituents of Concern

Each monitoring well indicates chloride and TDS concentrations in groundwater above WQCC standards, however they exhibit levels consistent with regional impacts. The levels in the vadose zone are much too low to suggest that any release from the junction box contributed to the chloride concentrations observed in the groundwater at the Jct. N-5 site. Chloride concentrations in the vadose zone of all borings and trenches averaged only 178 ppm. Downgradient monitoring well MW-2 is located near the edge of a former pit (non-ROC) as shown in the photograph on page 3, and does show the highest TDS in groundwater. This non-ROC pit predated the service by the junction box.

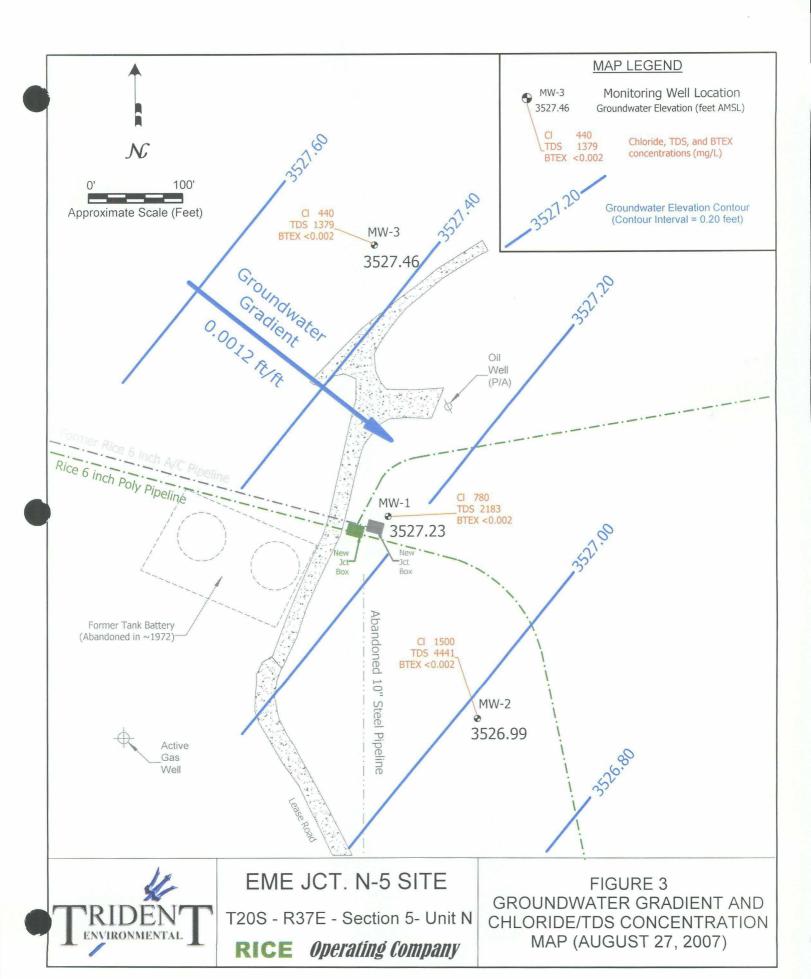




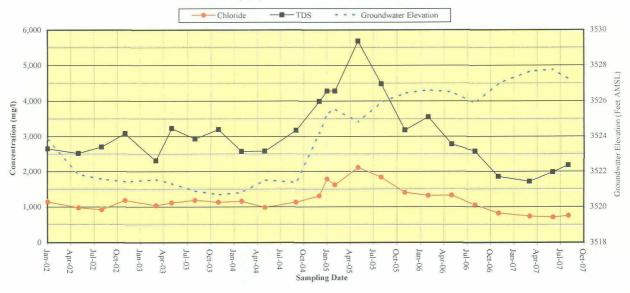
Table 2
Summary of Groundwater Sampling Results

Monitoring Well	Sample Date	Depth to Groundwater (feet BTOC)	Water Table Elevation (feet AMSL)	Chloride (mg/L)	TDS (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethyl- benzene (mg/L)	Xylene (mg/L)
	01/10/02	35.50	3523.85	1,160	2,652	< 0.002	< 0.002	< 0.006	< 0.006
	05/13/02	37.47	3521.88	993	2,520	< 0.001	0.002	0.003	0.009
	08/12/02	37.75	3521.60	939	2,700	< 0.001	< 0.001	< 0.001	0.001
	11/04/02	37.90	3521.45	1,200	3,083	< 0.002	< 0.002	< 0.002	< 0.006
	03/14/03	37.78	3521.57	1,050	2,310	< 0.001	0.002	0.004	0.011
	05/29/03	38.00	3521.35	1,130	3,230	< 0.001	0.001	0.004	0.01
	08/22/03	38.42	3520.93	1,200	2,930	NA	NA	NA	NA
	11/20/03	38.63	3520.72	1,150	3,200	< 0.001	0.002	0.003	0.012
	02/20/04	38.50	3520.85	1,180	2,575	< 0.002	< 0.002	< 0.002	< 0.006
	05/26/04	37.80	3521.55	1,000	2,583	< 0.002	0.005	0.005	0.010
	09/02/04	37.94	3521.41	1,150	3,170	< 0.001	0.001	0.002	0.003
14337 1	12/21/04	35.12	3524.23	1,330	3,990	< 0.001	< 0.001	< 0.001	< 0.001
MW-1	01/26/05	34.03	3525.32	1,810	4,280	< 0.001	< 0.001	0.001	0.001
	02/08/05	33.79	3525.56	1,640	4,280	< 0.001	< 0.001	0.002	0.001
	05/02/05	34.50	3524.85	2,140	5,680	< 0.001	< 0.001	0.003	0.002
	08/11/05	33.39	3525.96	1,860	4,480	< 0.001	< 0.001	< 0.001	< 0.001
	11/28/05	32.90	3526.45	1,430	3,180	0.001	0.002	0.004	0.003
	02/21/06	32.72	3526.63	1,340	3,550	< 0.001	0.004	0.008	0.025
	05/17/06	32.83	3526.52	1,350	2,780	< 0.001	0.001	0.001	0.003
	08/21/06	33.45	3525.90	1,070	2,580	< 0.001	0.001	0.001	0.004
1	11/07/06	32.35	3527.00	841	1,860	< 0.001	0.001	0.001	< 0.001
	03/06/07	31.67	3527.68	757	1,720	< 0.001	0.001	0.001	< 0.001
	06/07/07	31.57	3527.78	731	1990	< 0.001	< 0.001	< 0.001	< 0.001
	08/27/07	32.12	3527.23	780	2183	< 0.002	< 0.002	< 0.002	< 0.006
	08/21/06	33.04	3525.70	1,860	3,800	< 0.001	< 0.001	< 0.001	< 0.001
	11/07/06	32.06	3526.68	1,710	3,310	< 0.001	< 0.001	< 0.001	< 0.001
MW-2	03/06/07	31.32	3527.42	1,800	3,940	< 0.001	< 0.001	< 0.001	< 0.001
	06/07/07	31.22	3527.52	1,590	4,590	< 0.001	< 0.001	< 0.001	< 0.001
	08/27/07	31.75	3526.99	1,500	4441	< 0.002	< 0.002	< 0.002	< 0.006
	08/21/06	31.86	3526.10	553	1,630	< 0.001	< 0.001	< 0.001	< 0.001
	11/07/06	30.68	3527.28	491	1,270	< 0.001	< 0.001	< 0.001	<0.001
MW-3	03/06/07	30.02	3527.94	333	1,220	< 0.001	< 0.001	< 0.001	<0.001
	06/07/07	29.93	3528.03	425	1,340	< 0.001	< 0.001	< 0.001	< 0.001
	08/27/07	30.50	3527.46	440	1,379	< 0.002	< 0.002	< 0.002	< 0.006
	WQC	C Standards		250	1,000	0.01	0.75	0.75	0.62

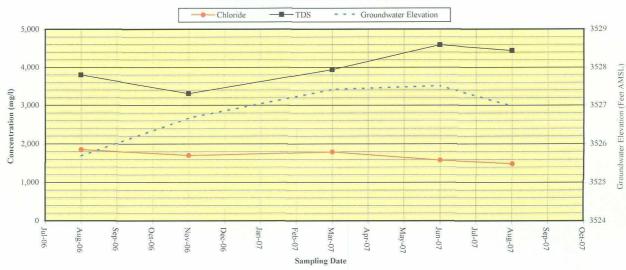
NA - Not Analyzed for this constituent.

Laboratory analyzes performed by Environmental Lab of Texas (Odessa TX) or TraceAnalysis (Midland, TX)

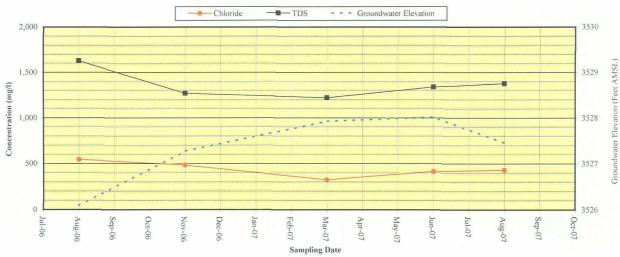
MW-1 Chloride, TDS, and Groundwater Elevation Values Versus Time



MW-2 Chloride, TDS, and Groundwater Elevation Values Versus Time



MW-3 Chloride, TDS, and Groundwater Elevation Values Versus Time





7.0 STAGE 2 ABATEMENT PLAN

7.1 Corrective Action to the Vadose Zone

The removal of 48 yd3 of hydrocarbon-impacted soil, upgrade of the pipeline from transite to high density polyethylene (poly), and re-seeding with a mixture of native grasses and plants has greatly reduced the risk of future potential accidental releases of produced water. No further corrective action to the vadose zone is warranted for this site other than monitoring the vegetation for growth and adding amendments if necessary.

7.2 Corrective Action to the Groundwater

The removal of hydrocarbon-impacted soil, pipeline/junction box upgrades, and re-seeding activities by ROC at the EME Jct. N-5 site has effectively mitigated any potential threat of chlorides, TDS, benzene, or BTEX from the junction box area.

After more than 5 years of monitoring there has been no indication of BTEX (the primary constituents of concern during the initial delineation) in groundwater at the site. The levels in the vadose zone are much too low to suggest that any release from the junction box contributed to the chloride concentrations observed in the groundwater at the Jct. N-5 site. Chloride concentrations in the vadose zone of all borings and trenches averaged only 178 ppm. Downgradient monitoring well (MW-2) has significantly higher concentrations of chlorides and TDS than those observed near the junction box (MW-1) or upgradient monitoring well MW-3. Monitoring well MW-2 is located near the edge of a former pit and non-ROC pipeline spill area as shown in the photograph on page 3. The non-ROC pit predated the service by the junction box. The stressed vegetation and non-ROC pipeline spill is shown in the photo-documentation in Appendix B. The exact source of groundwater impact at the Jct. N-5 site is unknown because of the numerous potential facilities, past and present, as partially shown in the aerial photograph on page 3 of this report.

7.3 Closure and Proposed Schedule of Activities

Vadose zone delineation activities have revealed that operation of the N-5 junction box has not caused, contributed to, or could contribute to the degradation of groundwater quality. We propose to continue sampling each monitoring well. If quarterly sampling results continue to support the conclusions described herein and vegetation improves at its natural rate, an abatement closure report will be submitted to the NMOCD in the third quarter of 2008.

APPENDIX A

LITHOLOGIC LOGS

AND

MONITORING WELL CONSTRUCTION DIAGRAMS



MONITOR WELL NO.: MW-2

SITE ID: EME Jct. N-5

CONTRACTOR: Harrison & Cooper, Inc.

DRILLING METHOD: Air Rotary
START DATE: 07/17/06

COMPLETION DATE: 07/17/06

TOTAL DEPTH: 41 Feet

CLIENT: RICE Operating Company

COUNTY: Lea

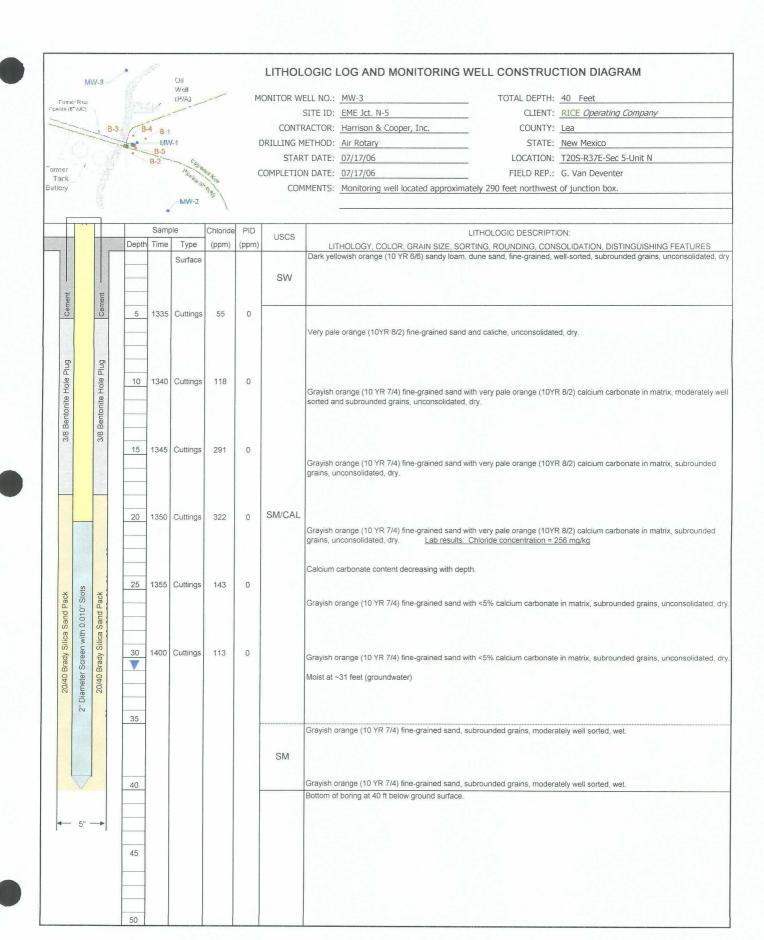
STATE: New Mexico

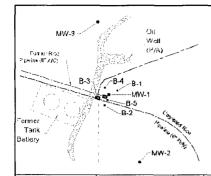
LOCATION: T20S-R37E-Sec 5-Unit N

FIELD REP.: G. Van Deventer

 $\hbox{COMMENTS:} \ \underline{\hbox{Monitoring well located approximately 230 feet southeast of junction box} \ .$

					Samp	ole	Chloride	PID	USCS	LITHOLOGIC DESCRIPTION:
				epth	Time	Туре	(ppm)	(ppm)	0303	LITHOLOGY, COLOR, GRAIN SIZE, SORTING, ROUNDING, CONSOLIDATION, DISTINGUISHING FEATURES
nt		1				Surface		j	SW	Dark yellowish orange (10 YR 6/6) sandy loam, dune sand, fine-grained, well-sorted, subrounded grains, unconsolidate dry
Cement	nk Casing	Cement		5	1005	Split Spoon	28	0		Grayish orange (10 YR 7/4) fine-grained sand with very pale orange (10YR 8/2) calcium carbonate in matrix, subround grains, unconsolidated, dry.
Bentonite Hole Plug	Sched 40 PVC Blank Casing	Bentonite Hole Plug		10	1011	Split Spoon	58	0	SM/CAL	Grayish orange (10 YR 7/4) fine-grained sand with very pale orange (10YR 8/2) calcium carbonate in matrix, moderate well sorted and subrounded grains, unconsolidated, dry.
3/8 Bento	2".8	3/8 Bento		15	1016	Split Spoon	428	0		Grayish orange (10 YR 7/4) fine-grained sand with very pale orange (10YR 8/2) calcium carbonate in matrix, subround grains, unconsolidated, dry.
				20	1021	Split Spoon	457	0		Pale yellowish brown (10YR 6/2) fine-grained sand with <5% calcium carbonate in matrix, subrounded grains, unconsolidated, dry. <u>Lab results: Chloride concentration = 555 mg/kg</u>
nd Pack	110" Slots	Sand Pack		25	1027	Split Spoon	484	0	SM	Pale yellowish brown (10YR 6/2) fine-grained sand with <5% calcium carbonate in matrix, subrounded grains, unconsolidated, dry.
Silica Sal	en with 0.0	Silica Sar	V	30		No			SS	Pale yellowish brown (10YR 6/2) fine-grained sand, subrounded grains, unconsolidated, dry. Hard sandstone layer - pale olive (10Y 6/2) and dark yellowish orange (10YR 6/6)
20/40 Brady Silica Sand Pack	Diameter Screen with 0.010" Slots	20/40 Brady Silica			1035	Recovery				Moist at 30 feet (groundwater)
r.A.	2" Diar	2		35					SM	Grayish orange (10 YR 7/4) fine-grained sand, subrounded grains, moderately well sorted, wet.
				40						Grayish orange (10 YR 7/4) fine-grained sand, subrounded grains, moderately well sorted, wet:
_	5" -	->								Bottom of boring at 41 ft below ground surface.
			9	45						
									40	





BOREHOLE NO.: B-1

SITE ID: EME Jct. N-5

CONTRACTOR: Harrison & Cooper, Inc.

DRILLING METHOD: Air Rotary

START DATE: 07/17/06

COMPLETION DATE: 07/17/06

TOTAL DEPTH: 30 Feet

CLIENT: RICE Operating Company

COUNTY: Lea

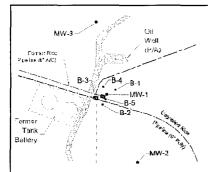
STATE: New Mexico

LOCATION: T20S-R37E-Sec 5-Unit N

FIELD REP.: G. Van Deventer

COMMENTS: Boring located 26 feet northwest of junction box.

Sample			le	Chloride	PID	USCS	LITHOLOGIC DESCRIPTION:
	Depth	Time	Туре	(ppm)	(ppm)	0303	LITHOLOGY, COLOR, GRAIN SIZE, SORTING, ROUNDING, CONSOLIDATION, DISTINGUISHING FEATURES
7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-		Surface				Very pale orange (10YR 8/2) fine-grained sand and caliche, unconsolidated, dry.
	5	1454	Split Spoon	119	0		Very pale orange (10YR 8/2) fine-grained sand and caliche, unconsolidated, dry.
	10	1455	Split Spoon	87	0	SW/CAL	Grayish orange (10 YR 7/4) fine-grained sand with very pale orange (10YR 8/2) calcium carbonate in matrix, moderately well sorted and subrounded grains, unconsolidated, dry.
3/8 Bentonire Hole Plug	15	1458	Split Spoon	88	0		Pale yellowish brown (10YR 6/2) fine-grained sand with very pale orange (10YR 8/2) calcium carbonate in matrix, subrounded grains, unconsolidated, dry.
3/8	20	1503	Split Spoon	" 60 0			
13.						SS	Hard sandstone layer - pale olive (10Y 6/2) and very pale orange (10YR 8/2)
	25	1505	Split Spoon	58	0	SW/CAL	Pale yellowish brown (10YR 6/2) fine-grained sand with very pale orange (10YR 8/2) calcium carbonate in matrix, subrounded grains, unconsolidated, dry.
-5"	30	1520	Split Spoon	343	0	SS	Hard sandstone layer - pale olive (10Y 6/2) and dark yellowish orange (10YR 6/6)
							Bottom of boring at 30 ft below ground surface.
	35						
	40						
	45						
	50						



BOREHOLE NO.: B-2

SITE ID: EME 3ct. N-5

CONTRACTOR: <u>Harrison & Cooper, Inc.</u>

DRILLING METHOD: <u>Air Rotary</u>

START DATE: 07/17/06

COMPLETION DATE: 07/17/06

TOTAL DEPTH: 30 Feet

CLIENT: RICE Operating Company

COUNTY: Lea

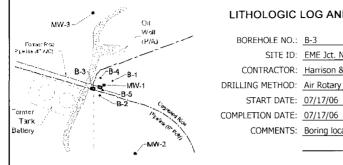
STATE: New Mexico

LOCATION: T20S-R37E-Sec 5-Unit N

FIELD REP.: G. Van Deventer

COMMENTS: Boring located 20 feet south of junction box.

	L	Samp		Chloride	PID	uscs	LITHOLOGIC DESCRIPTION:
·	Depth	Time	Type	(ppm)	(ppm)		LITHOLOGY, COLOR, GRAIN SIZE, SORTING, ROUNDING, CONSOLIDATION, DISTINGUISHING FEATURES
1			Surface	1			Very pale orange (10YR 8/2) fine-grained sand and caliche, unconsolidated, dry.
4 2 2 4							
-3	5						
		1540	Split	57	127	[Pale yellowish brown (10YR 6/2) fine-grained sand with very pale orange (10YR 8/2) calcium carbonate in matrix, subrounded grains, unconsolidated, dry. Lab results; BTEX < 0.010 mg/kg, GRO < 1.0 mg/kg, DRO < 50.0 mg/kg
			Spoon	0,			Subjourned grains, directisolidated, dry.
1 1 1.4	<u> </u>		ł				
from the	10]					
		1545	Split	115	0	SMICAL	Grayish orange (10 YR 7/4) fine-grained sand with very pale orange (10YR 8/2) calcium carbonate in matrix, moderately sorted and subrounded grains, unconsolidated, dry.
		1545	Spoon	'''	"	SWICKE	sorted and subrounded grains, unconsolidated, dry.
and .							·
e e	15	1	ĺ				
3/8 Bentonite. Hole Plug		1	Split				Pale yellowish brown (10YR 6/2) fine-grained sand with very pale orange (10YR 8/2) calcium carbonate in matrix,
j iĝ.		1550	Spoon	90	0		subrounded grains, unconsolidated, dry.
3/8 Bentoñi		1					
89 B		1					
	20						
	20		Split				Pale yellowish brown (10YR 6/2) fine-grained sand with very pale orange (10YR 8/2) calcium carbonate in matrix,
		1555	Spoon	85	0		subrounded grains, unconsolidated, dry.
						SS	Hard sandstone layer - pale olive (10Y 6/2) and very pale orange (10YR 8/2)
44.1	25	1					
	- 25		Split				Pale yellowish brown (10YR 6/2) fine-grained sand with very pale orange (10YR 8/2) calcium carbonate in matrix,
		1600	Spoon	113	0	SW/CAL	subrounded grains, unconsolidated, dry.
14.70			Split				
— 5". →	30	1605	Spoon	144	118	SS	Hard sandstone layer - Yellowish gray (5Y 7/2)
* * * *	30	 					
	-	1					Bottom of boring at 30 ft below ground surface.
	-						
	35						
	- 33						
				'			
	10			:			
	40						
	<u> </u>						
	-						
	-						
	45						
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	-						
	\perp		ļ				
	1 50	1					



BOREHOLE NO.: B-3

SITE ID: EME Jct. N-5

CONTRACTOR: Harrison & Cooper, Inc.

DRILLING METHOD: Air Rotary

START DATE: 07/17/06

TOTAL DEPTH: 30 Feet

CLIENT: RICE Operating Company

COUNTY: Lea

STATE: New Mexico

LOCATION: T20S-R37E-Sec 5-Unit N FIELD REP.: G. Van Deventer

COMMENTS: Boring located 20 feet west-southwest of junction box.

<u> </u>	Sam	_	Chloride	PID	uscs	LITHOLOGIC DESCRIPTION:
Dep	th Tim	е Туре	(ppm)	(ppm)		LITHOLOGY, COLOR, GRAIN SIZE, SORTING, ROUNDING, CONSOLIDATION, DISTINGUISHING FEATURES
_	_	Surface				Pale yellowish brown (10YR 6/2) fine-grained sand with very pale orange (10YR 8/2) calcium carbonate in matrix,
	_					subrounded grains, unconsolidated, dry.
	4					
5	-]	Pale yellowish brown (10YR 6/2) fine-grained sand with very pale orange (10YR 8/2) calcium carbonate in matrix,
	162	Split Spoon	120	0		subrounded grains, unconsolidated, dry.
	_	Opoon				
	+					
10	-					
1		Split				Grayish orange (10 YR 7/4) fine-grained sand with very pale orange (10YR 8/2) calcium carbonate in matrix, moderatel
	162	Spoon	59	0		sorted and subrounded grains, unconsolidated, dry.
					SW/CAL	
15						
	162	Split	83	0		Grayish orange (10 YR 7/4) fine-grained sand with very pale orange (10YR 8/2) calcium carbonate in matrix, moderate sorted and subrounded grains, unconsolidated, dry.
		Spoon				Softed and Subjoditived grains, diffeonsolidated, dry.
L				Ì		
-		1				
20	_					Data with horse (40VD C/D) for regional and with use role assets (40VD C/D) artistive exchanges in partiy
	163	Split Spoon	113	0		Pale yellowish brown (10YR 6/2) fine-grained sand with very pale orange (10YR 8/2) calcium carbonate in matrix, subrounded grains, unconsolidated, dry.
-	-	300011				
	-					
25	-					
1	7	Split			SS	Hard sandstone layer - pale olive (10Y 6/2) and very pale orange (10YR 8/2)
\vdash	163	Spoon	173	0		
					SW/CAL	
	164	Split	253	81	SVV/CAL	Dark yellowish orange (10 YR 6/6) fine-grained sand with < 5% calcium carbonate in matrix, moderately well sorted an
30		Spoon	255	0,		subrounded grains, unconsolidated, dry.
						Bottom of boring at 30 ft below ground surface.
	-					
-	-					·
35	-					
30	+					
	ł					
	İ					
40						,
	_					
						,
-	-					
\vdash	-					
45						
\vdash	\dashv	}		}		
	-					
		r		1		1
	-	1				

BOREHOLE NO.: B-4 TOTAL DEPTH: 30 Feet

SITE ID: EME Jct. N-5 CLIENT: RICE Operating Company COUNTY: Lea CONTRACTOR: Harrison & Cooper, Inc.

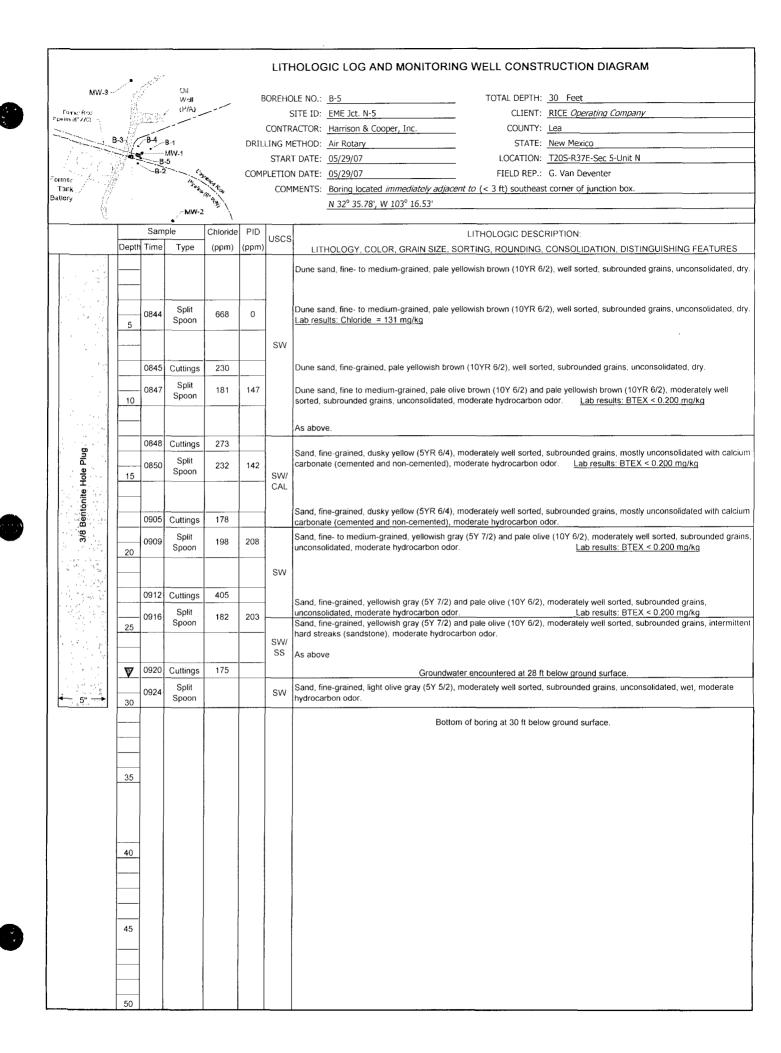
LOCATION: T20S-R37E-Sec 5-Unit N

STATE: New Mexico DRILLING METHOD: Air Rotary

START DATE: 07/18/06 FIELD REP.: G. Van Deventer COMPLETION DATE: 07/18/06

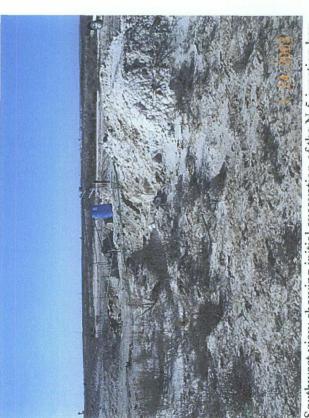
COMMENTS: Boring located 20 feet north of junction box.

<u> </u>	Sample		le	Chloride	PID		LITHOLOGIC PECCENTION.
	Depth	Time	Туре	(ppm)	(ppm)	uscs	LITHOLOGIC DESCRIPTION: LITHOLOGY, COLOR, GRAIN SIZE, SORTING, ROUNDING, CONSOLIDATION, DISTINGUISHING FEATURES
**	1- 25.11		Surface	(F Perri)	10000		Yellowish gray (5YR 7/2) fine-grained sand and caliche, moderately well sorted and subrounded grains, unconsolidated, dry.
							Tellowish gray (51K 7/2) line-grained sand and caliche, moderately well sorted and subjourded grains, unconsolidated, ory.
	<u></u>						
	_						
2 4	5		Split				
		0727	Spoon	89	0		Yellowish gray (5YR 7/2) fine-grained sand and caliche, moderately well sorted and subrounded grains, unconsolidated, dry.
- T							
	10		Split				Grayish orange (10 YR 7/4) fine-grained sand with very pale orange (10YR 8/2) calcium carbonate in matrix, moderately well
		0730	Spoon	404	0	SW/CAL	sorted and subrounded grains, unconsolidated, dry.
7 3.2							
- Plu	ļ						
3/8 Bentonite Hole, Plug	15		Solit				Pale yellowish brown (10YR 6/2) fine-grained sand with very pale orange (10YR 8/2) calcium carbonate in matrix,
tonite		0735	Split Spoon	334	17		subrounded grains, unconsolidated, dry. <u>Lab results: Chloride concentration = 457 mg/kg</u>
Bent							
	20						Pale yellowish brown (10YR 6/2) fine-grained sand with very pale orange (10YR 8/2) calcium carbonate in matrix,
7 (7)		0740	Split Spoon	143	0		subrounded grains, unconsolidated, dry.
7.77						00	Hard and the latest after (40V 00) and the state of the (40V 000)
\$ 100 h						SS	Hard sandstone layer - pale olive (10Y 6/2) and very pale orange (10YR 8/2)
	25		Pale yellowish brown (10YR 6/2) fine-grained sand with very pale orange (10YR 8/2) calcium carbonate in matrix,				
		0750	Split Spoon	115	11		subrounded grains, unconsolidated, dry.
			·				
		0754	Split	86	17	SS	Hard sandstone layer - Yellowish gray (5Y 7/2)
<u>▼</u> \$5".	30	0,0,	Spoon				The definition of the first of
							Bottom of boring at 30 ft below ground surface.
	35						
	40						
	\vdash						
	45						
	$\vdash\vdash$						
	50						

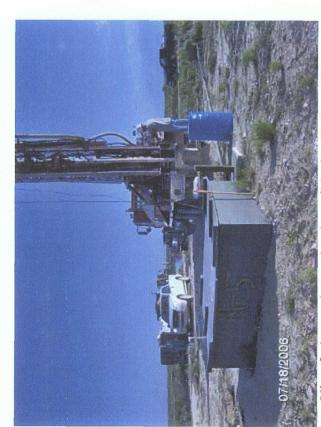


APPENDIX B

PHOTODOCUMENTATION



Southwest view showing initial excavation of the N-5 junction box.



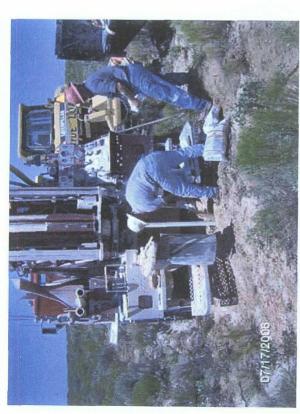
View facing northwest showing soil boring (B-4) activities.



View facing north showing completed plastic junction box upgrade.



Northwest view showing monitoring well MW-2 in foreground and soil boring activities at junction box (background).



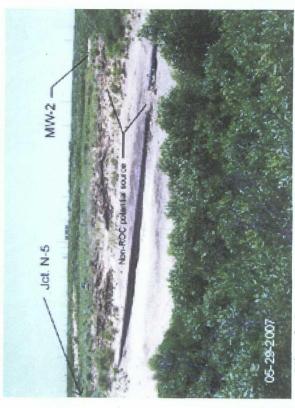
Northwest facing view showing placement of filter pack at monitoring well MW-3.



Image from soil survey (1955 and 1966 aerial photobase) showing evidence of old pit (center) immediately south of Jct. N-5.



Soil boring (B-5) activities adjacent to southeast corner of plastic junction box with newly constructed concrete box (right-center).

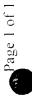


View facing northeast showing evidence of historic spill and stressed vegetation caused by non-ROC pipeline.

APPENDIX C

New Mexico Office of the State Engineer

WATER RIGHTS AND TRANSACTION SUMMARIES



New Mexico Office of the State Engineer Water Right Summary

Back

72-12-1 DOMESTIC ONE HOUSEHOLD MS. ELSIE REEVES, ADVISORY BOA Permit Owner: LAUGHLIN ESTATE L 02278 DOM PMT DB File Nbr: Documents on File Primary Purpose: Total Acres: Total Diversion: Primary Status: Contact:

Latitude Northing UTM Zone Easting 13 662261 13 662261 UTM are in Meters) Consumptive Diversion m m m× Acres 0 00 X Y are in Feet \vdash From/To Zone (qtr are 1=NW 2=NE 3=SW 4=SE) (qtr are biggest to smallest Tws Rng Sec q q q Trans Desc L 02278 L 02278 L 02278 L 02278 CHG PRC ABS Status 1 2 3 CHG PRC ABS PMT LOG ABS PMT APR ABS Source COWNF 12/06/1954 07/15/1953 09/28/1987 02/02/1961 File/Act Point of Diversion POD Number COWNE 72121 72121

103 16 23.43 103 16 23.43 Longitude

3607698 3607698

37E 05 37E 05

20S 20S

Shallow

L 02278 APPRO

L 02278



New Mexico Office of the State Engineer Transaction Summary

Back

COWNF Change of Ownership Full

Trn_desc:L 02278

File Date: 09/28/1987

Primary status: CHG Change of Ownership

Trn_nbr: 202042

Secondary status: PRC Processed

Applicant: LAUGHLIN ESTATE

Person assigned:

Events

Date

Type Description

09/28/1987 APP Application Received 09/28/1987 CHG Change of ownership Full

Comment *

Processed By

 $\begin{array}{ccc} \textbf{DB_File_Nbr} & \textbf{Acres} \\ \textbf{L} & 02278 & 0 \end{array}$

Diversion

Consumptive Purpose of Use

DOM 72-12-1 DOMESTIC ONE HOUSEHOLD

Point of Diversion

in Lea County

SW

20S 37E 05 SE

Remarks

SEE ATTACHED EXHIBIT "A"

Conditions

- except diameter satisfactory :The casing shall not exceed 7 inches outside under specific conditions in which reasons State Engineer are shown.
- :Use shall be limited to household, non-commercial trees, lawn and garden not to exceed one acre and/or stock use. 4
- valley the ο£ 1A : Depth of the well shall not exceed the thickness
- Ogallala the 1B : Depth of the well shall not exceed the thickness of formation



New Mexico Office of the State Engineer Point of Diversion Summary

Back

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

Zone מ Tws POD Number

წ ო ଫ ଟ Rng Sec 37E 05 20S 02278

BURKE, EDWARD B. Driller Licence: 111

BURKE, EDWARD B. Driller Name:

Drill Finish Date: PCW Received Date: 02/01/1961 Drill Start Date:

02/01/1961

Source: Shallow

02/09/1961 Log File Date:

Type: Pump

Estimated Yield: Pipe Discharge Size: Depth Well: 65 Size: Casing

Depth Water:

Shallow Alluvium/Basin Fill Description Bottom **Top** 43 Water Bearing Stratifications:

Bottom **Top** 31 Casing Perforations:



the State Engineer Transaction Summary New Mexico Office

Back

72121 All Applications Under Statute 72-12-1

File Date: 02/02/1961

Trn nbr: 202032

Trn_desc:L 02278

Primary status: PMT Permit

Secondary status: LOG Well Log Received Person assigned: ******

Applicant: CITIES SERVICE OIL COMPANY

Events

Comment Final Action on application General Approval Letter Application Received Well Log Received Description Type APP FIN WAP 02/09/1961 02/02/1961 02/02/1961 02/02/1961 Date

*PCW FILED 12/6/54

Processed By ***** ***** ***** *****

> Acres DB File Nbr L $0227\overline{8}$

DOM 72-12-1 DOMESTIC ONE HOUSEHOLD Purpose of Use

Consumptive

Diversion

in Lea

SW

20S 37E 05 SE

Point of Diversion 02278

Remarks

WELL L-2278 FOR DOMESTIC IT IS THE INTENTION OF THIS APLICATION TO WORK OVER AND USE PERMITTED FOR OIL WELL DRILLING PURPOSES

Conditions

7 inches outside diameter except under specific conditions in which reasons satisfactory D : The casing shall not exceed State Engineer are shown. :Use shall be limited to household, non-commercial trees, lawn and garden not to exceed one acre and/or stock use. T

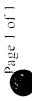
valley of 1A : Depth of the well shall not exceed the thickness

1B : Depth of the well shall not exceed the thickness of the Ogallala formation.

Approval Code: A Approved Action of the State Engineer

Action Date: 02/02/1961 log due date: 02/02/1962

State Engineer:



New Mexico Office of the State Engineer Transaction Summary

Back

COWNF Change of Ownership Full

File Date: 12/06/1954

Trn_nbr: 202020 Trn_desc:L 02278

Primary status: CHG Change of Ownership Secondary status: PRC Processed

Person assigned: *****

Applicant: CITIES SERVICE OIL COMPANY

Events

DateTypeDescription12/06/1954APPApplication Received12/06/1954CHGChange of ownership Full

Comment *

Processed By ****** *****

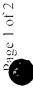
 $\begin{array}{ccc} \textbf{DB_File_Nbr} & \textbf{Acres} \\ \textbf{L} & 02278 & 0 \end{array}$

 $\begin{array}{ccc} \textbf{Diversion} & \textbf{Consumptive} \\ 3 & 0 \end{array}$

Purpose of Use PRO 72-12-1 PROSPECTING OR DEVELOPMENT OF NATURAL RESOURCE

tta attat sett tella (of of the attates obtates had in the fact of the second of the second attacks and the second of

10/23/07



he State Engineer Transaction Summary New Mexico Office

Back

72121 All Applications Under Statute 72-12-1

File Date: 07/09/1953

Trn desc:L 02278

Trn nbr: 202019

Primary status: PMT Permit

Applicant: J. C. CRAIN DRILLING CO Secondary status: APR Approved Person assigned: ******

Date Events

Comment Final Action on application General Approval Letter Application Received Description **Type** APP FINWAP 07/15/1953 07/09/1953 07/15/1953

Processed By ***** ***** ****

> Consumptive C Diversion 3 Acres 0 DB_File_Nbr $_{\rm L}$ $0227\overline{8}$

Point of Diversion

02278

Purpose of Use PRO 72-12-1 PROSPECTING OR DEVELOPMENT OF NATURAL RESOURCE

County in Lea SW 20S 37E 05 SE

Remarks

TIME FILED; 12/22/54-1/30/56, **2/16/56-1/30/57,** 2/14/57-1/30/58, 12/18/57-1/30/59, 3/9/59-1/30/60, 1/22/60-1/30/61, 12/7/60-1/30/62. EXTENSIONS OF 2/16/56-1/30/57, LAUGHLIN #5

Conditions

- B :The well shall be drilled by a driller licensed in the State of New Mexico in accordance with Section 72-12-12 New Mexico Statutes Annotated. A licensed driller shall not be required for the construction of a driven well; provided, that the casing shall not exceed two and three-eighths $(2\ 3/8)$ inches outside diameter (Section 72-12-12).
- diameter except :The casing shall not exceed 7 inches outside diameter exceptionder specific conditions in which reasons satisfactory to the State Engineer are shown. ۵
- :Total diversion from all wells under this permit number shall not exceed 3 acre-feet per annum. 10
- permitted use, State Engineer :The well shall be plugged upon completion of the filed with the and a plugging report shall be within 10 days. ٩

Action of the State Engineer

PLUGGING RECORD DUE;

Approval Code: E. Approved Action Date: 07/15/1953 log due date: 01/30/1962

State Engineer:

APPENDIX D

LABORATORY ANALYTICAL REPORTS AND CHAINS OF CUSTODY



6701 Aberdeen Avenue, Suite 9 155 McCutcheon, Suite H

Lubbock, Texas 79424 El Paso, Texas 79932 E-Mail lab@traceanalysis.com

800 • 378 • 1296 888 • 588 • 3443

806 • 794 • 1296 915 • 585 • 3443 FAX 806 • 794 • 1298 FAX 915 • 585 • 4944

Analytical and Quality Control Report

Kristen Farris-Pope Rice Operating Company 122 W Taylor Street Hobbs, NM, 88240

Report Date: August 4, 2006

Work Order: 6072112

Project Location: Sec 5N T205 R37E,Lea County,NM

Project Name: EME N-5 Junction Box EME N-5 Junction Box Project Number:

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

			Date	Time	Date
Sample	Description	Matrix	Taken	Taken	Received
96003	B-2 (5'-7')	soil	2006-07-17	15:40	2006-07-20
96004	B-4 (15'-17')	soil	2006-07-18	07:34	2006-07-20
96005	MW-2 (20'-22')	soil	2006-07-17	10:21	2006-07-20
96006	MW-3 (20')	soil	2006-07-17	13:50	2006-07-20

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 11 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis,

Dr. Blair Leftwich, Director

Michael april

Work Order: 6072112 EME N-5 Junction Box Page Number: 2 of 11 Sec 5N T205 R37E,Lea County,NM

Analytical Report

Sample: 96003 - B-2 (5'-7')

Analysis: BTEX QC Batch: 28233 Prep Batch: 24716 Analytical Method: S 8021B
Date Analyzed: 2006-07-21
Sample Preparation: 2006-07-21

Prep Method: S 5035 Analyzed By: MT Prepared By: MT

RL Parameter Flag Result Units Dilution RL 0.0100 Benzene mg/Kg < 0.0100 0.0100 Toluene < 0.0100 mg/Kg l 1 0.0100 Ethylbenzene < 0.0100 mg/Kg 0.0100 Xylene < 0.0100 mg/Kg

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		0.937	mg/Kg	1	1.00	94	40.8 - 133.7
4-Bromofluorobenzene (4-BFB)		1.04	mg/Kg	1	1.00	104	40.8 - 140.1

Sample: 96003 - B-2 (5'-7')

Analysis: TPH DRO QC Batch: 28236 Prep Batch: 24717 Analytical Method: Mod. 8015B
Date Analyzed: 2006-07-24
Sample Preparation:

Prep Method: N/A Analyzed By: SE Prepared By: SE

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
n-Triacontane		157	mg/Kg	1	150	105	50 - 150

Sample: 96003 - B-2 (5'-7')

Analysis: TPH GRO QC Batch: 28235 Prep Batch: 24716 Analytical Method: S 8015B
Date Analyzed: 2006-07-21
Sample Preparation: 2006-07-21

Prep Method: S 5035 Analyzed By: MT Prepared By: MT

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		0.882	mg/Kg	1	1.00	88	68 - 129.6
4-Bromofluorobenzene (4-BFB)		0.952	mg/Kg	[1.00	95	71.9 - 123.7

Sample: 96003 - B-2 (5'-7')

Prep Method: S 5030B Analysis: Volatiles Analytical Method: S 8260B Analyzed By: JG QC Batch: 28616 Date Analyzed: 2006-08-02 Prep Batch: 25022 Sample Preparation: 2006-08-02 Prepared By: JG

		RL			
Parameter	Flag	Result	Units	Dilution	RL
MTBE		<10.0	$\mu g/Kg$	1	10.0
Benzene		< 10.0	μ g/Kg	1	10.0
Toluene		< 10.0	$\mu \mathrm{g}/\mathrm{Kg}$	1	10.0
Ethylbenzene		< 10.0	$\mu \mathrm{g}/\mathrm{Kg}$	1	10.0
ın,p-Xylene		< 10.0	$\mu \mathrm{g}/\mathrm{Kg}$	1	10.0
o-Xylene		<10.0	$\mu\mathrm{g}/\mathrm{K}\mathrm{g}$	l	10.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		426	μg/Kg	1	500	85	42 - 129
Toluene-d8		494	μg/Kg	1	500	99	93 - 107
4-Bromofluorobenzene (4-BFB)		502	μg/Kg	1	500	100	78 - 120

Sample: 96004 - B-4 (15'-17')

Prep Method: Analysis: Chloride (IC) Analytical Method: E 300.0 N/A QC Batch: 28529 Date Analyzed: 2006-07-30 Analyzed By: WB Prep Batch: 24946 Sample Preparation: 2006-07-29 Prepared By: WB

		KL			
Parameter	Flag	Result	Units	Dilution	RL
Chloride		457	mg/Kg	10	1.00

Sample: 96005 - MW-2 (20'-22')

Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A QC Batch: 28529 Date Analyzed: 2006-07-30 Analyzed By: WB Prep Batch: 24946 Sample Preparation: 2006-07-29 Prepared By: WB RL Parameter Flag Result Units Dilution RLChloride 555 mg/Kg 100 1.00

Sample: 96006 - MW-3 (20')

Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A QC Batch: 28529 Date Analyzed: 2006-07-30 Analyzed By: WB Prep Batch: 24946 Sample Preparation: 2006-07-29 Prepared By: WB RLParameter Flag Result Units Dilution RL Chloride 256 10 mg/Kg 1.00

¹Sample ran out of hold due to laboratory error. Sample results confirmed by 8021 method. •

Work Order: 6072112 EME N-5 Junction Box Page Number: 4 of 11 Sec 5N T205 R37E,Lea County,NM

Method Blank (1) QC Batch: 28233

QC Batch: 28233 Prep Batch: 24716 Date Analyzed: 2006-07-21 QC Preparation: 2006-07-21

Analyzed By: MT Prepared By: MT

MDL RLParameter Units Flag Result 0.01 Benzene < 0.00159 mg/Kg 0.01 Toluene < 0.00220 mg/Kg Ethylbenzene mg/Kg 0.01 < 0.00201 Xylene < 0.00176 mg/Kg 0.01

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		1.02	mg/Kg	1	1.00	102	77.1 - 104
4-Bromofluorobenzene (4-BFB)		0.825	mg/Kg	l	1.00	82	50.1 - 96.7

Method Blank (1) QC Batch: 28235

QC Batch: 28235 Prep Batch: 24716 Date Analyzed: 2006-07-21 QC Preparation: 2006-07-21

Analyzed By: MT Prepared By: MT

RL

1

 Parameter
 Flag
 Result
 Units

 GRO
 2.46
 mg/Kg

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.955	mg/Kg	ĺ	1.00	96	81.7 - 119
4-Bromofluorobenzene (4-BFB)		0.821	mg/Kg	1	1.00	82	60.1 - 102

Method Blank (1) QC Batch: 28236

QC Batch: 28236 Prep Batch: 24717 Date Analyzed: 2006-07-24 QC Preparation: 2006-07-21 Analyzed By: SE Prepared By: SE

 Parameter
 Flag
 Result
 Units
 RL

 DRO
 <10.7</td>
 mg/Kg
 50

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
n-Triacontane		178	mg/Kg	1	150	119	50 - 150

Matrix Blank (1) QC Batch: 28529

 QC Batch:
 28529
 Date Analyzed:
 2006-07-30

 Prep Batch:
 24946
 QC Preparation:
 2006-07-29

Analyzed By: WB Prepared By: WB

Work Order: 6072112 EME N-5 Junction Box

Page Number: 5 of 11 Sec 5N T205 R37E,Lea County,NM

		MDL		
Parameter	Flag	Result	Units	RL
Chloride		< 0.0222	mg/Kg	

Method Blank (1)

QC Batch: 28616

OC Batch: Prep Batch: 25022

28616

Date Analyzed: QC Preparation:

2006-08-02

2006-08-02

Analyzed By: JG

Prepared By: JG

		MDL		
Parameter	Flag	Result	Units	RL
MTBE		< 0.362	μg/Kg	10
Benzene		< 0.644	$\mu \mathrm{g}/\mathrm{Kg}$	10
Toluene		1.45	μ g/Kg	10
Ethylbenzene		0.430	$\mu \mathrm{g}/\mathrm{Kg}$	10
m,p-Xylene		0.800	$\mu \mathrm{g}/\mathrm{Kg}$	10
o-Xylene		< 0.679	μ g/Kg	10

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Dibromofluoromethane		426	μg/Kg	1	500	85	42 - 129
Toluene-d8		489	μg/Kg	1	500	98	93 - 107
4-Bromofluorobenzene (4-BFB)		496	μ g/Kg	1	500	99	78 - 120

Laboratory Control Spike (LCS-1)

QC Batch:

28233 Prep Batch: 24716

Date Analyzed: QC Preparation:

2006-07-21 2006-07-21

Analyzed By: MT Prepared By: MT

LCS **LCSD** Spike Matrix Rec. **RPD** Param **RPD** Result Result Units Dil. Amount Result Rec. Limit Limit Benzene 80 - 120 1.12 1.05 mg/Kg 1.00 < 0.00159 112 20 6 1 Toluene mg/Kg 1.00 < 0.00220 5 80 - 120 20 1.16 1.10 1 116 Ethylbenzene 1.09 1.04 mg/Kg 1 1.00 < 0.00201 109 5 80 - 120 20 2.99 < 0.00176 105 5 80 - 120 Xylene 3.15 mg/Kg 1 3.00 20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

	LCS	LCSD			Spike	LCS	LCSD	Rec.
Surrogate	Result	Result	Units	Dil.	Amount	Rec.	Rec.	Limit
Trifluorotoluene (TFT)	1.11	1.08	mg/Kg	1	1.00	111	108	80 - 120
4-Bromofluorobenzene (4-BFB)	1.03	0.999	mg/Kg	1	1.00	103	100	80 - 120

Laboratory Control Spike (LCS-1)

QC Batch:

28235

Prep Batch: 24716

Date Analyzed: QC Preparation: 2006-07-21

2006-07-21

Analyzed By: MT

Prepared By: MT Work Order: 6072112 Page Number: 6 of 11 EME N-5 Junction Box Sec 5N T205 R37E, Lea County, NM

Report Date: August 4, 2006 EME N-5 Junction Box

	LCS	LCSD			Spike	Matrix			Rec.	RPD
Param	Result	Result	Units	Dil.	Amount	Result	Rec.	RPD	Limit	Limit
GRO	8.90	8.59	mg/Kg	1	10.0	< 0.121	89	4	80 - 120	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

	LCS	LCSD		1	Spike	LCS	LCSD	Rec.
Surrogate	Result	Result	Units	Dil.	Amount	Rec.	Rec.	Limit
Trifluorotoluene (TFT)	0.978	0.931	mg/Kg	1	1.00	98	93	80 - 120
4-Bromofluorobenzene (4-BFB)	0.919	0.823	mg/Kg	1	1.00	92	82	80 - 120

Laboratory Control Spike (LCS-1)

QC Batch: 28236 Prep Batch: 24717 Date Analyzed: 2006-07-24 QC Preparation: 2006-07-21 Analyzed By: SE Prepared By: SE

		LCS	LCSD			Spike	Matrix			Rec.	RPD
Param		Result	Result	Units	Dil.	Amount	Result	Rec.	RPD	Limit	Limit
DRO	2	265	312	mg/Kg	1	250	<10.7	106	16	62,4 - 111	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

	LCS	LCSD			Spike	LCS	LCSD	Rec.
Surrogate	Result	Result	Units	Dil.	Amount	Rec.	Rec.	Limit
n-Triacontane	162	176	mg/Kg	1	150	108	117	50 - 150

Laboratory Control Spike (LCS-1)

QC Batch: 28529 Prep Batch: 24946 Date Analyzed: 2006-07-30 QC Preparation: 2006-07-29

Analyzed By: WB Prepared By: WB

	LCS	LCSD			Spike	Matrix			Rec.	RPD
Param	Result	Result	Units	Dil.	Amount	Result	Rec.	RPD	Limit	Limit
Chloride	13.3	13.2	mg/Kg	1	12.5	< 0.0222	106	0	90 - 110	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 28616 Prep Batch: 25022 Date Analyzed: 2006-08-02 QC Preparation: 2006-08-02 Analyzed By: JG Prepared By: JG

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
MTBE	507	508	$\mu g/Kg$	1	500	< 0.362	101	0	61.9 - 132	20
Benzene	481	482	$\mu \mathrm{g}/\mathrm{Kg}$	1	500	< 0.644	96	0	79.7 - 113	20
Toluene	412	419	$\mu \mathrm{g}/\mathrm{Kg}$	l	500	1.45	82	2	82 - 110	20
Ethylbenzene	467	473	$\mu { m g/Kg}$	1	500	< 0.376	93	ı	80.7 - 116	20
m,p-Xylene	944	955	$\mu \mathrm{g}/\mathrm{Kg}$	1	500	< 0.714	189	1	158 - 240	20
o-Xylene	484	490	μg/Kg	1	500	< 0.679	97	1	79.8 - 122	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

²LCSD analyte out of range. LCS/LCSD has a RPD within limits. Therfore, LCS shows extraction occured properly.

Work Order: 6072112 EME N-5 Junction Box Page Number: 7 of 11 Sec 5N T205 R37E,Lea County,NM

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	456	462	μg/Kg	l	500	91	92	87 - 108
Toluene-d8	483	484	$\mu \mathrm{g}/\mathrm{Kg}$	1	500	97	97	92.3 - 106
4-Bromofluorobenzene (4-BFB)	492	493	μg/Kg	1	500	98	99	83.4 - 117

Matrix Spike (MS-1) Spiked Sample: 96084

QC Batch: 28233 Prep Batch: 24716 Date Analyzed: 2006-07-21 QC Preparation: 2006-07-21

Analyzed By: MT Prepared By: MT

	MS	MSD			Spike	Matrix			Rec.	RPD
Param	Result	Result	Units	Dil.	Amount	Result	Rec.	RPD	Limit	Limit
Benzene	0.701	0.670	mg/Kg	1	1.00	< 0.00159	70	4	56.8 - 113	20
Toluene	0.862	0.804	mg/Kg	i	1.00	< 0.00220	86	7	61.4 - 118	20
Ethylbenzene	0.910	0.869	mg/Kg	1	1.00	< 0.00201	91	5	64.9 - 125	20
Xylene	2.69	2.55	mg/Kg	1	3.00	< 0.00176	90	5	65.1 - 128	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

	MS	MSD			Spike	MS	MSD	Rec.
Surrogate	Result	Result	Units	Dil.	Amount	Rec.	Rec.	Limit
Trifluorotoluene (TFT)	0.887	0.942	mg/Kg	1	1	89	94	77.6 - 112
4-Bromofluorobenzene (4-BFB)	0.975	1.01	mg/Kg	1	1	98	101	72.6 - 130

Matrix Spike (MS-1) Spiked Sample: 96003

QC Batch: 28235 Prep Batch: 24716 Date Analyzed: 2006-07-21 QC Preparation: 2006-07-21

Analyzed By: MT Prepared By: MT

	MS	MSD			Spike	Matrix			Rec.	RPD
Param	Result	Result	Units	Dil.	Amount	Result	Rec.	RPD	Limit	Limit
GRO	7.98	8.83	mg/Kg	1	10.0	< 0.121	80	10	51.6 - 137	19.6

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

	MS	MSD			Spike	MS	MSD	Rec.
Surrogate	Result	Result	Units	Dil.	Amount	Rec.	Rec.	Limit
Trifluorotoluene (TFT)	0.785	0.864	mg/Kg	Ì	1	78	86	50 - 133
4-Bromofluorobenzene (4-BFB)	0.928	1.07	mg/Kg	1	1	93	107	62.4 - 157

Matrix Spike (MS-1) Spiked Sample: 96003

QC Batch: 28236 Prep Batch: 24717 Date Analyzed: 2006-07-24 QC Preparation: 2006-07-21 Analyzed By: SE Prepared By: SE

	MS	MSD			Spike	Matrix			Rec.	RPD
Param	Result	Result	Units	Dil.	Amount	Result	Rec.	RPD	Limit	Limit
DRO	265	266	mg/Kg	1	250	<10.7	106	0	60.1 - 107	20

Work Order: 6072112 EME N-5 Junction Box Page Number: 8 of 11 Sec 5N T205 R37E,Lea County,NM

	MS	MSD			Spike	MS	MSD	Rec.
Surrogate	Result	Result	Units	Dil.	Amount	Rec.	Rec.	Limit
n-Triacontane	155	158	mg/Kg	1	150	103	105	50 - 150

Matrix Spike (MS-1) Spiked Sample: 96003

QC Batch: 28616 Prep Batch: 25022 Date Analyzed: 2006-08-02 QC Preparation: 2006-08-02 Analyzed By: JG Prepared By: JG

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
MTBE	492	547	μg/Kg]	500	< 0.362	98	11	60 - 129	20
Benzene	506	549	μg/Kg	1	500	< 0.644	101	8	82.1 - 110	20
Toluene	435	474	$\mu g/Kg$	1	500	1.66	87	9	82.3 - 108	20
Ethylbenzene	507	553	μg/Kg	l	500	< 0.376	101	9	81.2 - 113	20
m,p-Xylene	1030	1120	$\mu g/Kg$	1	500	1.37	206	8	158 - 235	20
o-Xylene	526	569	μg/Kg	l	500	< 0.679	105	8	78.7 - 120	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

	MS	MSD			Spike	MS	MSD	Rec.
Surrogate	Result	Result	Units	Dil.	Amount	Rec.	Rec.	Limit
Dibromofluoromethane	447	442	μg/Kg	1	500	89	88	87.9 - 105
Toluene-d8	485	480	$\mu \mathrm{g}/\mathrm{Kg}$	1	500	97	96	90.2 - 109
4-Bromofluorobenzene (4-BFB)	506	496	μ g/Kg	1	500	101	99	82.9 - 116

Standard (ICV-1)

QC Batch: 28233

Date Analyzed: 2006-07-21

Analyzed By: MT

			ICVs	ICVs	ICVs	Percent	
			True	Found	Percent	Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
Benzene		mg/Kg	0.100	0.106	106	85 - 115	2006-07-21
Toluene		mg/Kg	0.100	0.108	108	85 - 115	2006-07-21
Ethylbenzene		mg/Kg	0.100	0.102	102	85 - 115	2006-07-21
Xylene		mg/Kg	0.300	0.296	99	85 - 115	2006-07-21

Standard (CCV-1)

QC Batch: 28233

Date Analyzed: 2006-07-21

Analyzed By: MT

			CCVs True	CCVs Found	CCVs Percent	Percent Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
Benzene		mg/Kg	0.100	0.112	112	85 - 115	2006-07-21
Toluene	3	mg/Kg	0.100	0.117	117	85 - 115	2006-07-21
Ethylbenzene		mg/Kg	0.100	0.101	101	85 - 115	2006-07-21
Xylene		mg/Kg	0.300	0.290	97	85 - 115	2006-07-21

³Toluene outside of control limits on CCV(ICV). CCV(ICV) component average is 99.7 which is within acceptable range. This is acceptable by Method 8000.

Work Order: 6072112 EME N-5 Junction Box

Page Number: 9 of 11 Sec 5N T205 R37E, Lea County, NM

Standard (ICV-1)

OC Batch: 2823	5	j
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Date Analyzed: 2006-07-21

Analyzed By: MT

			ICVs	ICVs	ICVs	Percent	
			True	Found	Percent	Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
GRO		mg/L	1.00	0.856	86	85 - 115	2006-07-21

Standard (CCV-1)

QC Batch:	28235
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Date Analyzed: 2006-07-21

Analyzed By: MT

			CCVs	CCVs	CCVs	Percent	
			True	Found	Percent	Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
GRO	4	mg/L	1.00	0.833	83	85 - 115	2006-07-21

Standard (ICV-1)

00	Dotale	28236
CH.	Batch:	- 28236

Date Analyzed: 2006-07-24

Analyzed By: SE

			ICVs	ICVs	ICVs	Percent	
			True	Found	Percent	Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
DRO	22.10	mg/Kg	250	273	109	75 - 125	2006-07-24

Standard (CCV-1)

QC Batch: 28236

Date Analyzed: 2006-07-24

Analyzed By: SE

			CCVs	CCVs	CCVs	Percent	
			True	Found	Percent	Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
DRO		mg/Kg	250	243	97	75 - 125	2006-07-24

Standard (ICV-1)

QC Batch: 28529

Date Analyzed: 2006-07-30

Analyzed By: WB

			ICVs True	ICVs Found	ICVs Percent	Percent Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
Chloride		mg/Kg	12.5	12.0	96	90 - 110	2006-07-30

Standard (CCV-1)

QC Batch: 28529

Date Analyzed: 2006-07-30

Analyzed By: WB

⁴GRO outside of control limits on CCV(ICV). CCV(ICV) component average is 86.8 which is within acceptable range. This is acceptable by Method 8000.

Work Order: 6072112 EME N-5 Junction Box Page Number: 10 of 11 Sec 5N T205 R37E,Lea County,NM

			CCVs True	CCVs Found	CCVs Percent	Percent Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
Chloride	<u> </u>	mg/Kg	12.5	12.0	96	90 - 110	2006-07-30

Standard (CCV-1)

QC Batch: 28616

Date Analyzed: 2006-08-02

Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		μg/Kg	50.0	53.1	106	70 - 130	2006-08-02
Benzene		μg/Kg	50.0	48.1	96	70 - 130	2006-08-02
Toluene		μg/Kg	50.0	41.6	83	80 - 120	2006-08-02
Ethylbenzene		$\mu g/Kg$	50.0	46.9	94	80 - 120	2006-08-02
m,p-Xylene		μg/Kg	50.0	95.8	192	140 - 260	2006-08-02
o-Xylene		μg/Kg	50.0	49.0	98	70 - 130	2006-08-02

Work Order: 6072112 EME N-5 Junction Box Page Number: 11 of 11 Sec 5N T205 R37E,Lea County,NM

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Analytical and Quality Control Report

Kristin Farris-Pope Rice Operating Company 122 W Taylor Street Hobbs, NM, 88240

Report Date: June 5, 2007

Work Order: 7052925

Project Location: Monument, N.M.

Project Name: Jct. N-5

Project Number: T20S-R37E-Sec5N

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

			Date	rune	Date
Sample	Description	Matrix	Taken	Taken	Received
125728	B-5 (3-5')	soil	2007-05-29	08:44	2007-05-29
125729	B-5 (8-10')	soil	2007-05-29	08:47	2007-05-29
125730	B-5 (13-15')	soil	2007-05-29	08:50	2007-05-29
125731	B-5 (18-20')	soil	2007-05-29	09:09	2007-05-29
125732	B-5 (23-25')	soil	2007-05-29	09:16	2007-05-29

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 6 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

 $\, B \,$ - The sample contains less than ten times the concentration found in the method blank.

Work Order: 7052925 Jct. N-5

Page Number: 2 of 6 Monument, N.M.

Analytical Report

Sample: 125728 - B-5 (3-5')

Chloride (IC) Analysis: QC Batch: 37703 Prep Batch: 32674

Analytical Method: Date Analyzed: Sample Preparation: E 300.0 2007-05-31 Prep Method: N/A Analyzed By: ARPrepared By: AR

RL

Parameter	Flag	Result	Units	Dilution	RL
Chloride		131	mg/Kg	50	1.00

Sample: 125729 - B-5 (8-10')

Analysis: BTEX QC Batch: 37641 Prep Batch: 32617

Analytical Method: S 8021B Date Analyzed: 2007-05-29 Sample Preparation: 2007-05-29 Prep Method: S 5035 Analyzed By: AGPrepared By: AG

Dilution

RL

		KL	
arameter	Flag	Result	Units
Benzene	I	< 0.200	mg/Kg
Coluene		< 0.200	mg/Kg

Be 20 0.0100 20 Tolu 0.010020 0.0100 Ethylbenzene < 0.200 mg/Kg 20 0.0100Xylene < 0.200 mg/Kg

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		22.1	mg/Kg	20	20.0	110	26 - 117.8
4-Bromofluorobenzene (4-BFB)		20.7	mg/Kg	20	20.0	104	51.1 - 119.1

Sample: 125730 - B-5 (13-15')

BTEX Analysis: QC Batch: 37641 Prep Batch: 32617

S~8021BAnalytical Method: 2007-05-29 Date Analyzed: Sample Preparation: 2007-05-29

Prep Method: S 5035 Analyzed By: AGPrepared By: \mathbf{AG}

		RL			
Parameter	Flag	Result	Units	Dilution	RL
Benzene	2	< 0.200	mg/Kg	20	0.0100
Toluene		< 0.200	m mg/Kg	20	0.0100
Ethylbenzene		< 0.200	m mg/Kg	20	0.0100
Xylene		< 0.200	mg/Kg	20	0.0100

Surrogate	Flag	Result	Units	Dilution	${ m Spike} \ { m Amount}$	Percent Recovery	$egin{array}{c} ext{Recovery} \ ext{Limits} \end{array}$
Trifluorotoluene (TFT) 4-Bromofluorobenzene (4-BFB)	3	$21.4 \\ 24.0$	mg/Kg mg/Kg	20 20	$\frac{20.0}{20.0}$	107 120	26 - 117.8 51.1 - 119.1

¹Sample ran at dilution due to hydrocarbons with a retention time greater than xylene.

²Sample ran at dilution due to hydrocarbons with a retention time greater than xylene.

³High surrogate recovery due to peak interference.

Work Order: 7052925 Jct. N-5 Page Number: 3 of 6 Monument, N.M.

Sample: 125731 - B-5 (18-20')

Analysis: BTEX QC Batch: 37641 Prep Batch: 32617 Analytical Method: S 8021B Date Analyzed: 2007-05-29 Sample Preparation: 2007-05-29

Prep Method: S 5035 Analyzed By: AG Prepared By: AG

		RL			
Parameter	Flag	Result	Units	Dilution	R.L
Benzene	4	< 0.200	mg/Kg	20	0.0100
Toluene		< 0.200	mg/Kg	20	0.0100
Ethylbenzene		< 0.200	mg/Kg	20	0.0100
Xylene		< 0.200	m mg/Kg	20	0.0100

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		21.2	mg/Kg	20	20.0	106	26 - 117.8
4-Bromofluorobenzene (4-BFB)	5	28.4	mg/Kg	20	20.0	142	51.1 - 119.1

Sample: 125732 - B-5 (23-25')

Analysis: BTEX QC Batch: 37641 Prep Batch: 32617 Analytical Method: S 8021B Date Analyzed: 2007-05-29 Sample Preparation: 2007-05-29 Prep Method: S 5035 Analyzed By: AG Prepared By: AG

		RL			
Parameter	Flag	Result	Units	Dilution	RL
Benzene	6	< 0.200	mg/Kg	20	0.0100
Toluene		< 0.200	m mg/Kg	20	0.0100
Ethylbenzene		< 0.200	m mg/Kg	20	0.0100
Xylene		< 0.200	m mg/Kg	20	0.0100

Surrogate	Flag	Result	Units	Dilution	$rac{ ext{Spike}}{ ext{Amount}}$	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		21.4	mg/Kg	20	20.0	107	26 - 117.8
4-Bromofluorobenzene (4-BFB)		23.8	$_{ m mg/Kg}$	20	20.0	119	51.1 - 119.1

Method Blank (1) QC Batch: 37641

QC Batch: 37641 Prep Batch: 32617 Date Analyzed: 2007-05-29 QC Preparation: 2007-05-29 Analyzed By: AG Prepared By: AG

Parameter	Flag	$egin{array}{c} ext{MDL} \ ext{Result} \end{array}$	Units	RL
Benzene		< 0.00110	mg/Kg	0.01
Toluene		< 0.00150	mg/Kg	0.01
Ethylbenzene		< 0.00160	mg/Kg	0.01
Xylene		<0.00410	m mg/Kg	0.01

⁴Sample ran at dilution due to hydrocarbons with a retention time greater than xylene.

 $^{^5\}mathrm{High}$ surrogate recovery due to peak interference.

⁶Sample ran at dilution due to hydrocarbons with a retention time greater than xylene.

Work Order: 7052925 Jct. N-5 Page Number: 4 of 6 Monument, N.M.

Surrogate	Flag	Result	Units	Dilution	${ m Spike} \ { m Amount}$	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.09	mg/Kg	1	1.00	109	62.6 - 117.6
4-Bromofluorobenzene (4-BFB)		0.940	mg/Kg	1	1.00	94	53.9 - 125.1

Matrix Blank (1)

QC Batch: 37703

QC Batch: 37703 Prep Batch: 32674 Date Analyzed: 2007-05-31

Analyzed By: AR

QC Preparation: 2007-05-31

Prepared By: AR

		MDL		
Parameter	Flag	Result	Units	RL
Chloride		3.25	mg/Kg	1

Laboratory Control Spike (LCS-1)

QC Batch: 37641 Prep Batch: 32617 Date Analyzed: 2007-05-29 QC Preparation: 2007-05-29 Analyzed By: AG Prepared By: AG

LCS Spike Matrix Rec. Param Result Units Dil. Amount Result Rec. Limit Benzene 1.03 mg/Kg 1 1.00 < 0.00110 103 68.6 - 123.4 Toluene 1.03mg/Kg 1 1.00 < 0.00150 103 74.6 - 119.3Ethylbenzene 1.00 72.3 - 126.21.02 mg/Kg 1 < 0.00160 102 76.5 - 121.6 3.08 3.00 103 Xylene mg/Kg 1 < 0.00410

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

	LCSD			Spike	Matrix		Rec.		RPD
Param	Result	Units	Dil.	Amount	Result	Rec.	Limit	RPD	Limit
Benzene	1.06	mg/Kg	1	1.00	< 0.00110	106	68.6 - 123.4	3	20
Toluene	1.06	mg/Kg	1	1.00	< 0.00150	106	74.6 - 119.3	3	20
Ethylbenzene	1.05	mg/Kg	1	1.00	< 0.00160	105	72.3 - 126.2	3	20
Xylene	3.15	mg/Kg	1	3.00	< 0.00410	105	76.5 - 121.6	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

	LCS	LCSD			Spike	LCS	LCSD	Rec.
Surrogate	Result	Result	Units	Dil.	Amount	Rec.	Rec.	Limit
Trifluorotoluene (TFT)	0.930	0.956	mg/Kg	1	1.00	93	96	64.1 - 118.2
4-Bromofluorobenzene (4-BFB)	1.02	1.01	mg/Kg	1	1.00	102	101	68.7 - 125.8

Laboratory Control Spike (LCS-1)

QC Batch: 37703 Prep Batch: 32674

Date Analyzed: 2007-05-31 QC Preparation: 2007-05-31 Analyzed By: AR Prepared By: AR

	LCS			Spike	Matrix		Rec.
Param	Result	Units	Dil.	Amount	Result	Rec.	Limit
Chloride	15.4	mg/Kg	1	12.5	2.1673	106	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Report Date: June 5, 2007

T20S-R37E-Sec5N

Work Order: 7052925 Jct. N-5 Page Number: 5 of 6 Monument, N.M.

				200					
	LCSD			Spike	Matrix		Rec.		RPD
Param	Result	Units	Dil.	Amount	Result	Rec.	Limit	RPD	Limit
Chloride	15.3	mg/Kg	1	12.5	2.1673	105	90 - 110	0	

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 125212

QC Batch: 37641 Prep Batch: 32617 Date Analyzed: 2007-05-29 QC Preparation: 2007-05-29 Analyzed By: AG Prepared By: AG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.06	mg/Kg	1	1.00	< 0.00110	106	64.4 - 115.7
Toluene	1.07	mg/Kg	1	1.00	< 0.00150	107	57.8 - 124.4
Ethylbenzene	1.10	mg/Kg	1	1.00	< 0.00160	110	64.8 - 125.8
Xylene	3.32	mg/Kg	1	3.00	0.0341	110	65.2 - 121.8

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

	MSD			Spike	Matrix		Rec.		RPD
Param	Result	Units	Dil.	Amount	Result	Rec.	$_{ m Limit}$	RPD	Limit
Benzene	1.02	mg/Kg	1	1.00	< 0.00110	102	64.4 - 115.7	4	20
Toluene	1.05	mg/Kg	1	1.00	< 0.00150	105	57.8 - 124.4	2	20
Ethylbenzene	1.10	mg/Kg	1	1.00	< 0.00160	110	64.8 - 125.8	0	20
Xylene	3.30	mg/Kg	1	3.00	0.0341	109	65.2 - 121.8	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

	MS	MSD			Spike	MS	MSD	Rec.
Surrogate	Result	Result	Units	Dil.	Amount	Rec.	Rec.	Limit
Trifluorotoluene (TFT)	0.952	0.933	mg/Kg	1	1	95	93	52.8 - 121.7
4-Bromofluorobenzene (4-BFB)	1.06	1.07	mg/Kg	1	1	106	107	66.7 - 131.9

Matrix Spike (MS-1) Spiked Sample: 125519

QC Batch: 37703 Prep Batch: 32674 Date Analyzed: 2007-05-31 QC Preparation: 2007-05-31 Analyzed By: AR Prepared By: AR

	MS			Spike	Matrix		Rec.
Param	Result	Units	Dil.	Amount	Result	Rec.	Limit
Chloride	$\frac{7}{2900}$	mg/Kg	100	1250	1372.76	122	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

		MSD			Spike	Matrix		Rec.		RPD
Param		Result	Units	Dil.	Amount	Result	Rec.	Limit	RPD	$_{ m Limit}$
Chloride	8	2880	mg/Kg	100	1250	1372.76	120	90 - 110	1	

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

⁷Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

⁸Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

Work Order: 7052925 Jct. N-5 Page Number: 6 of 6 Monument, N.M.

Standard (ICV-1)

QC Batch: 37641 Date Analyzed: 2007-05-29 Analyzed By: AG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.101	101	85 - 115	2007-05-29
Toluene		mg/Kg	0.100	0.102	102	85 - 115	2007-05-29
Ethylbenzene		mg/Kg	0.100	0.104	104	85 - 115	2007-05-29
Xylene		$_{ m mg/Kg}$	0.300	0.312	104	85 - 115	2007-05-29

Standard (CCV-1)

QC Batch: 37641 Date Analyzed: 2007-05-29 Analyzed By: AG

Down	EVI.o. eo	H.i.i.	CCVs True	CCVs Found	CCVs Percent	Percent Recovery Limits	Date
Param	Flag	Units	Conc.	Conc.	Recovery		Analyzed
Benzene		${ m mg/Kg}$	0.100	0.104	104	85 - 115	2007-05-29
Toluene		${ m mg/Kg}$	0.100	0.104	104	85 - 115	2007-05-29
Ethylbenzene		$_{ m mg/Kg}$	0.100	0.104	104	85 - 115	2007-05-29
Xylene		${ m mg/Kg}$	0.300	0.310	103	85 - 115	2007-05-29

Standard (ICV-1)

QC Batch: 37703 Date Analyzed: 2007-05-31 Analyzed By: AR

			ICVs	ICVs	ICVs	Percent	
			True	Found	Percent	Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
Chloride		mg/Kg	12.5	12.6	101	90 - 110	2007-05-31

Standard (CCV-1)

QC Batch: 37703 Date Analyzed: 2007-05-31 Analyzed By: AR

			CCVs	CCVs	$\rm CCVs$	Percent	
			True	Found	Percent	Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
Chloride		mg/Kg	12.5	12.6	101	90 - 110	2007-05-31

Trace Analysis, Inc.

LAB Order ID #

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 Tel (808) 794-1296 Fax (806) 794-1298 1 (800) 378-1296

email: lab@traceanalysis.com

Company Name:

5002 Basin Street, Suite A1 Midland, **Texas 79703** Tel (432) 689-6301 Fax (432) 689-6313

200

20 East Sunset Rd., Suite E El Paso, Texas 7992 Tel (915) 585-3443 Fax (915) 585-3644 1 (888) 568-3443

6015 Harris Pkwy, Suite 110 Ft. Worth, Texas 76132 Tel (817) 201-5260

PIOH Turn Around Time if different from standard Circle of Specify Wethod No. Dry Weight Basis Required Check If Special Reporting 47 loride TRRP Report Required Moisture Content **ANALYSIS REQUEST** Hq , SST , QOB Pesticides 8081A / 608 **BCB**, 8082 \ 608 GC/MS Semi: Vol. 8270C / 625 REMARKS CC/W2 A91 8560B / 624 **BCI** TCLP Pesticides TCLP Semi Volatiles TCLP Volatiles TCLP Metals Ag As Ba Cd Cr Pb Se Hg LAB USE Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7 ONLY z Ò PAH 8270C / 625 TPH 8015 GRO / DRO / TVHC Headspace Intact TPH 418.1 / TX1005 / TX1005 Ext(C35) 80218 / 602 / 82608 / 624 X3T8 8021B / 602 / 8260B / 624 **BBTM** 15/2/21090 Pologie 10/10/17 10880 /01 123010 Kpopeericesud, con SAMPLING **TIME** 5/24/ 5/28/ Phone #: 505-393-9174 12/2 12/2 **BATE** (Time: Time: 2 NONE Jat. PRESERVATIVE 2 METHOD CE Sampler Signatury HOsN Date: Date: 'OSZH Project Name: HNO3 HCI 88240 Received at Laboratory by: STUDGE AIR \leq TIOS Hobbes **ABTAW** Received by Received by: <u>고</u> 402 2 75 Z InnomA \ emuloV 5 # CONTAINERS Operating 97 02 T205-R37E-Sec Person Time: Time: FIELD CODE 18:201 Above (Fistin < Project Location (including state) 29 18-5 (8-10) (Street, City, Zip) 12-18 B-5 (3'-5' Date: (If different from above) 18-5 5 Relinquished by: Relinguished by Contact Person: 8 Relinguished (LAB USE) 2 327 3 Invoice to: Project #: LAB# Address

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Carry. 12 Log-in-Review

Carrier #

Limits Are Needed

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of ¢. O.

Living



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

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

Receiving Date: 01/11/02 Reporting Date: 01/15/02

Project Number: N-5 JCT.

Project Name: SOIL BORING 32' BGS

Project Location: EME

Sampling Date: 01/10/02

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: GP Analyzed By: BC/HM

	GRO	DRO	
	$(C_{6}-C_{10})$	(>C ₁₀ -C ₂₈)	CI*
LAB NUMBER SAMPLE ID	(mg/Kg)	(mg/Kg)	(mg/Kg)

ANALYSIS DATE	01/11/02	01/11/02	01/15/02
H6421-1 SOIL BORE @ 32' BGS	<50	445	80
Quality Control	801	742	1040
True Value QC	800	800	1000
% Recovery	100	92.8	104
Relative Percent Difference	1.8	7.7	1.0

METHODS: TPH GRO & DRO: EPA SW-846 8015 M; CI': Std. Methods 4500-CI'B *Analysis performed on a 1:4 w:v aqueous extract.

Chemist /

Date



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

ANALYTICAL RESULTS FOR RICE OPERATING CO. ATTN: CHRIS RODRIGUEZ 122 W. TAYLOR

HOBBS, NM 88240 FAX TO: (505) 397-1471

Receiving Date: 01/11/02 Reporting Date: 01/12/02

Project Number: N-5 JCT.
Project Name: SOIL BORING 32' BGS

Project Location: EME

Sampling Date: 01/10/02

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: GP

Analyzed By: BC

			ETHYL	TOTAL
	BENZENE	TOLUENE	BENZENE	XYLENES
LAB NUMBER SAMPLE ID	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)

ANALYSIS D	ATE	01/11/02	01/11/02	01/11/02	01/11/02
H6421-1	SOIL BORE @ 32' BGS	<0.005	0.038	0.138	0.303
					-
Quality Contr	rol	0.100	0.104	0.108	0.314
True Value C		0.100	0.100	0.100	0.300
% Recovery		99.9	104	108	105
Relative Pero	cent Difference	1.6	2.8	2.2	1.9

METHOD: EPA SW-846 8260

Date



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3			0
INC.	2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240	(915) 573-7001 Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2476	
ARDINAL LABORATORIES, INC.	2111 Beechwood, Abllene, TX 79603	(915) 573-7001 Fax (915) 673-7020	Company Name: N.C. C. DEEALING COMPANY

(915) 5,	(915) 573-7001 Fax (915) 673-7020	0	5) 38	3-23	26 Fa	x (50	5) 39	(505) 393-2326 Fax (505) 393-2476											Page	0				
ompany Name: 7.	company Name: Rice Operating Company							77/8	TO						3	ANALYSIS	SIS	REC	REQUEST	1				_
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[†] Cardinal caunot accept verbal changes. Please fax written changes to 505-393-2476.

RIGE Operating Company

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

CERTIFIED MAIL RETURN RECIEPT NO. 7005 1820 0001 6804 7685

February 1, 2006

Mr. Wayne Price

New Mexico Energy, Minerals, & Natural Resources
Oil Conservation Division, Environmental Bureau

1220 S. St. Francis Drive

Santa Fe, New Mexico 87504

RE: EME jct. N-5

PUBLIC NOTIFICATION NMOCD CASE #1R0427-90

AP-66

Mr. Price:

In accordance with Rule 19 (Section 19.15.1.19 NMAC, Subsection G) Public Notice requirements, please accept the enclosed copies of proof that the appropriate individuals and entities were notified of the Stage 1 Abatement Plan submitted by Gilbert J. Van Deventer of R.T. Hicks Consultants for the N-5 Junction Box Site.

Notices were sent via certified mail to landowners within the prescribed radius and return receipts were received for all landowners, indicating that the mailing was received. Mailings were also sent to the Lea County Commission and the list of Interested Parties found on the New Mexico Oil Conservation Division (OCD) website. One mail delivery could not be confirmed so the document was sent via electronic mail (e-mail) to the address provided on the List. Forty total notifications were sent and one was not delivered. The notification to Mike Schultz of the International Technology Corp. (from the OCD Interested Parties list) was returned as "attempted—not known." Previous delivery attempts to this address have been refused.

As directed by OCD, the Stage 1 Abatement Plan notifications were published in the *Albuquerque Journal* and the *Hobbs News-Sun* newspapers. Affidavits for these publications are enclosed.

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

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

RICE OPERATING COMPANY

Knistin Sans Tope

Kristin Farris Pope **Project Scientist**

enclosures:

summary table of notifications,

newspaper affidavits, return receipt copies,

e-mail copies

cc: CDH, GVD, file, Daniel Sanchez (NMOCD),

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

AFFIDAVIT OF PUBLICATION

State of New Mexico, County of Lea.

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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.

0.	
	weeks.
Beginning with the issue da	ited
December 27	2005
and ending with the issue d	ated
December 27	2005
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Publisher	

Sworn and subscribed to before

December 2005

Notary Public.

me this

My Commission expires February 07, 2009 (Seal)



OFFICIAL SEAL DORA MONTZ NOTARY PUBLIC STATE OF NEW MEXICO

day of

My Commission Expires:

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

LEGAL NOTICE December 27, 2005

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 Abatement Plan Proposal has been submitted to the Director of the Oil Conservation Division, 1220 S. St. Francis Dr.; Santa Fe, New Mexico 87505, Telephone (505) 476-3440

Rice Operating Company, Carolyn Doran Haynes, Engineering Manager, Telephone (505) 393-9174, 122 West Taylor, Hobbs, New Mexico 88240, has submitted a Stage 1 Abatement Plan Revision Proposal for the Pipeline Junction EME N-5, located in Section 5, Township 20 south, Range 37 east, Lea County, New Mexico, approximately 3 miles west of Monument, New Mexico. Rice Operating Company operates a saltwater disposal pipeline at the site. Soil impacts at the site include chlorides and hydrocarbons. Groundwater samples exhibit elevated chloride concentrations. The Stage 1 Abatement Plan Proposal presents the following site soil and ground water investigation activities: Per form a one-mile water well inventory, further delineation of the vertical and lateral extent of soil impact, and investigation of groundwater impacts.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Conservation Division at the address given above. The Stage 1 Abatement Plan Revision Proposal may be viewed at the above address or at the Oil Conservation Division District Office, 1625 N. French Drive, Hobbs, New Mexico 88240, Telephone (505) 393, 6161 between 8:00 a.m. and 4:00 p.m., Monday through Friday. Prior to ruling on any proposed Stage 1 Abatement Plan, the Director of the Oil Conservation Division shall allow at least thirty (30) days after the date of publication of this notice during which written comments may be submitted to him #22044

01104367000 67535167 RICE OPERATING COMPANY 122 WEST TAYLOR HOBBS, NM 88240

STATE OF NEW MEXICO County of Bernalillo

attached, was published in said paper in the regular daily edition, for Section 3, Chapter 167, Session Laws of 1937, and that payment therefore has duly qualified to publish legal notices or advertisements within the meaning of been made of assessed as court cost; that the notice, copy of which is hereto Advertising Manager of The Albuquerque Journal, and that this newspaper is Bill Tafoya, being duly sworn, declares and says that he is Classified times, the first publication being on the 27+day of 20 Sand the subsequent consecutive publications on

7 Hay of Sworn and subscribed to before me, a Notary Public, in and for the County of Bernalillo and State of New Mexico this

Statement to come at end of month.

ACCOUNT NUMBER ht 228

My Commission Explibition at the address STATE JA. of 20_05

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

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 Abatement, Plan Proposal has been submitted to the Director of the Oil Conservation Division, 1220 S. St. Francis, Dr., Santa Fe, New Mexico 87505, Telephone (505) 476-3440.

Rice Operating Company, Carolyn Doran Hayres, Engineering Manager, Telephone, (505)
Manager, Telephone, (505)
Manager, Telephone, Stage 1, Abatemen Hobs, New Mexico 88240, hat submitted a Stage 1, Abatemen Plan-Revision Proposal for the Pipeline Junction EME, N-5, Ic cated, in Section 5, Township 2 south; Hange 37 east, Le County, New Mexico, Approximately 3 miles, west of Monmately 1, Abatemen 1, New Mexico, Pipeline at the 5 south impacts at the site inclusion of the property operates a sality in the property operates a sality of the property operates a sality of the property operates and hydrocarbot of property of the property of the property operates and hydrocarbot of property of the property of the property of the property operates and hydrocarbot of property of the property of th evated chloride concentration The Stage 1, Abatement Perposal, presents the following the soil-rand groundwater invitation activities. Perform a control of the soil and groundwater invitation activities. mile water well inventory full delineation of the vertical lateral extent of soil impact, investigation of groundwate

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NO Conservation Division and ATE submit written comments to Director of the Oil Conservations of the Conservation and the Conservation of the Cons viewed at the above addres the Oil Conservation Divisitiot Office, 1825 N. Frency Hobbs, New Mexico 8824 [phone: (505) 393-6161 t Any interested person may further information from t

EME jct. N-5

Unit 'N', Sec. 5, T20S, R37E

Public Notice Mailings (12/20/2005) Stage 1 Abatement Plan

		De	elivery Stat	us	
	Landowner or Interested Party	Delivered US Mail	Delivered E-mail	Not Delivered	Comments
1	Jim Amos BLM, Carlsbad Field Office 620 East Greene Street Carlsbad, NM 88220	X			Return Receipt Received
2	Jimmie T. Cooper Star Route A, Box 55 Monument, NM 88265	X			Return Receipt Received
3	James Dellis Barber Estate First National Bank P.O. Box 1347 Colorado City, TX 79512	X			Return Receipt Received
4	Laughlin, M. E. Est Reeves Elsie Laughlin P.O. Box 90706 White Mountain Lake, AZ 85912	X			Return Receipt Received
5	Chevron Texaco 15 Smith Road Midland, TX 79705	X			Return Receipt Received
6	Darrel Johnson New Mexico State Highway Dept. P.O. Box 1458 Roswell, NM 88202	X			Return Receipt Received
7	Charlcie F. Byrd P.O. Box 32 Monument, NM 88265	· X			Return Receipt Received
8	Trent Stradley S & W Cattle Company P.O. Box 1800 Hobbs, NM 88240	X			Return Receipt Received
9	William Edwin Johnston P.O. Box 152 Monument, NM 88265	X			Return Receipt Received
10	Delores A. Nash P.O. Box 239 Monument, NM 88265	X			Return Receipt Received
11	Jimmie B. Cooper 7501 S Raymond Ln Hobbs, NM 88240	X			Return Receipt Received
12	Attorney General's Office P.O. Box 1508 Santa Fe, NM 87502 - 0115	X			Return Receipt Received
13	Bureau of Land Management State Director P.O. Box 27115 Santa Fe, NM 87502 - 0115	X			Return Receipt Received
14	Chief Hazardous Waste Bureau Runnels Building Santa Fe, NM 87504	X			Return Receipt Received
15	Gerald R. Zimmerman Colorado River Board of Calif. 770 Fairmont Ave, Ste. 100 Glendale, CA 91203 - 1035	X			Return Receipt Received

16	Dr. Harry Bishara P.O. Box 748	X		Return Receipt Received
10	Cuba, NM 87013	A		Return Receipt Received
17	International Technology Corp. 5301 Central Avenue, NE Suite 700		X	Delivery Attempted; Not Known
	Albuquerque, NM 87108 Ken Marsh			
18	P.O. Box 388 Hobbs, NM 88241	X		Return Receipt Received
19	Ned Kendrick Attorney at Law 325 Paseo de Peralta Santa Fe, NM 87501	X		Return Receipt Received
20	Lynn Brandvold NM Bureau of Mines & Mineral Resources NM Institute of Mining & Tech Socorro, NM 87801	X		Return Receipt Received
21	Randy Hicks 901 Rio Grande Blvd NW, Suite F-142 Albuquerque, NM 87104	X		Return Receipt Received
22	Bruce S. Garber Attorney at Law P.O. Box 0850 Santa Fe, NM 87504 - 0850	X		Return Receipt Received
23	Chief Groundwater Bureau Runnels Building Santa Fe, NM 87504	X		Return Receipt Received
24	Jack A. Barnett Colorado River Basin Ctrl. Forum 106 West 500 South, Suite 101 Bountiful, UT 84010	X		Return Receipt Received
25	Department of Game & Fish Director Villagra Building Santa Fe, NM 87503	X		Return Receipt Received
26	Public Service Company of NM Environmental Counsel ATTN: Colin Adams 414 Silver SW Albuquerque, NM 87158	X		Return Receipt Received
27	Jay Lazarus P.O. Box 5727 Santa Fe, NM 87502	X		Return Receipt Received
28	Lee Wilson & Associates P.O. Box 931 Santa Fe, NM 87501	X		Return Receipt Received
29	New Mexico Environmental Department Secretary P.O. Box 26110 Santa Fe, NM 87501	X		Return Receipt Received
30	NM Oil & Gas Association P.O. Box 1864 Santa Fe, NM 87504 - 1864	X		Return Receipt Received
31	Soil & Water Conservation Bureau NM Dept of Agriculture/Ag Programs & Resources Box 30005/APR Las Cruces,NM 88003 - 8005	X		Return Receipt Received
32	Chris Shuey Southwest Research & Information Center P.O. Box 4524 Albuquerque, NM 87106	X		Return Receipt Received

	Santa Fe, NM 87503 US Fish & Wildlife Service				
34	Field Supervisor 2105 Osuna Road NE Albuquerque, NM 87113 - 1001	X			Return Receipt Received
35	Water Resources Division State Engineer Bataan Building Santa Fe, NM 87503	X			Return Receipt Received
36	Ron Dutton Southwestern Public Service P.O. Box 1261 Amarillo, TX 79170	X			Return Receipt Received
37	State Parks & Recreation Director 1220 S St. Francis Santa Fe, NM 87505	X			Return Receipt Received
38	Regional Forester USFS Regional Office 517 Gold Avenue SW Albuquerque, NM 87102		X		Undeliverable mail, not able to forward; emailed 1/30/06
39	William Turner NM Trustee For Natural Resources C/O American Ground Water Consultants 610 Gold St. SW, Suite 111 Albuquerque,NM 87102	X			Return Receipt Received
40	Lea County Administration Office Attn: Lue Ethridge 100 N. Main Street, Suite 4 Lovington, NM 88260	X			Return Receipt Received
	TOTALS	38	1	1	

Kristin Farris Pope

From:

"Kristin Farris Pope" < kpriceswd@valornet.com>

ົ⊤o:

<cgarcia@fs.fed.us>

Sent:

Monday, January 30, 2006 4:54 PM

Attach: Subject: N5_Stage1PubNotice.doc Rule 19 Public Notice (N-5)

Regional Forester:

In accordance with the NMOCD Rule 19 Public Notice requirements, please find the attached public notification document. This document was originally mailed to you on December 20, 2005.

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

DER: GOMPLETE THIS SECTION complete items 1, 2, and 3. Also complete em 4 if Restricted Delivery is desired. int your name and address on the reverse that we can return the card to you;	A Signature A Signature A Signature A Signature Addressee B. Received by (Printed Name) G. Date of Delivery
ctach this card to the back of the mallpiece, on the front if space permits. ticle Addressed to: Colorado River Board of Calif. Gerald R. Zimmerman	D. Is delivery address different from item 1? Yes If YES, enter delivery address below: No
770 Fairmont Ave, Ste. 100 Glendale, CA 91203-1035	3. Service Type □ Certified Mail □ Express Mail □ Registered □ Return Receipt for Merchandise □ Insured Mail □ C.O.D.
EMENS	4. Restricted Delivery? (Extra Fee) ☐ Yes
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ensfer from service label): 7005 18	120 0001 6804 0457

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1820 0001 6804 0440 <u> </u>	2. Article Number (Transfer from service label) 7005 1820	7820 0001 6804 0549	7005
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	Dr. Harry Bishara PO BOX 748 Cuba. NM 87013	3057	Jay Lazarus PO BOX 5727 Santa Fe, NIM: 87502
B. Received by (Printed Name) C. Bate of Deliver C. Bate of Deli	 Attach this card to the back of the mallpiece, or on the front if space permits. Article Addressed to: 	is delivery address different from the try of the try o	Attach this card to the back of the mailpiece, or on the front if space permits. Article Addressed to:
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If YES, enter delivery address below: In No.	Water Resources Division State Engineer	If YES, enter delivery address below: ☐ No	Colorado River Basin Ctrl. Forum Jack A. Barnett
1 01	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 mailplece, or on the front if space permits.	Agent Addressee B. Received by (Printed Name) C. Date of Delivery D is delivery address different from item 1?	int your name and address on the reverse of that we can return the card to you. Itach this card to the back of the mailplece, on the front if space permits.
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Article Number Then service label) 7005 Form 3811, February 2004 Domestic	New Mexico Environmental Department Secretary PO BOX 26110 Santa Fe, NM 87504	NDER 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 malipiece, or on the front if space permits. Article Addressed to:	Environmental Counsel ATTN: Colin Adams Public Service Company of NM 414 Silver, Southwest Albuquerque, NM 87158 Anticle Number Anticle Number Anticle Number Fig. 1 Anticle Number Anti	ENDER: 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 maliplece, or on the front if space permits. Article Addressed to
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PS Form 3811, February 2004	S & W Cattle Company Trent Stardley P.O. Box 1800 Hobbs, NM 88240 N-5	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 or the malliplece, or on the front if space permits.	Cen Marsh P.R.I O BOX 388 Tobbs, NM 88241 Compared to the com	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 mailplece or on the front if space permits.
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William Turner NM Trustee for Natural Resources C/O American Ground Water Consultants 610 Gold St. SW, Suite 111 Albuquerque, NM 87102 Article Number (Transfer from service label) S Form 3811, February 2004 Domestic F	ENDER: COMPLETE THIS SECTION Complete Items 1, 2, and 3. Also complete Complete Items 1, 2, and 3. Also complete Complete Items 1, 2, and 3. Also complete Complete Items 1, 2, and 3. Also complete Complete Items 1, 2, and 3. Also complete Delivery is desired. Item 4 if Restricted Delivery is desired. Item 4 if Restricted Delivery is desired. Item 5 in the reverse Print your name and address on the reverse So that we can return the card to you so that we can return the card to you or on the front if space permits. Article Addressed to:	Lee Wilson & Associates PO BOX 931 Santa Fe, NM 87501 Form 3811, February 2004 Domestic R	ANDER: COMPLETE THIS SECTION Complete Items 1, 2, and 3. Also complete Item 4 if Restricted Delivery is desired. Item 4 if Restricted Delivery is desired. So that we can return the card to you. Attach this card to the back of the mallpiece, or on the front if space permits. Article Addressed to:
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Transfer from service label): 1005 1620 1005		Santa Fe; NM 87504-0850	Bruce S. Garber Attorney at Law	Article Addressed to:	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 mailplece,	ND HRICOMPLETICITIES FOUNDAMENT OF THE COMPLETE TO THE RESTRICTED		Form 3811 February 2004	5 UUC	たかたノース	Santa Fe, NM 87504-1864	NM-Qij & Gas Association	Article Addressed to:	so that we can return the card to you. Attach this card to the back of the mallplece, or on the front if space parmits	Complete Items 1, 2, and 3. Also complete Item 4 if Restricted Delivery is desired.	NDER: COMPLETE THIS SECTION
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2004	2. Article Number 7005 0390	Colorado City, TX 79512	James Déllis Barber Estate First National Bank	1. Article Addressed to:	 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. 	Complete items 1, 2, and 3. Also complete items 4 if Restricted Delivery is desired.	SENDER: COMBLETE THIS SECTION	PS Form 3811 February 2004 Domestic Return Receipt	2. Article Number: 7005 182	Z	Lovington, NM 88260	Lea County Administration Office Attn: Lue Ethridge Attn: Lyon N. Main Street, Suite 4	1. Article Addressed to:	so that we can return the card to you. But Attach this card to the back of the mailplece or on the front if space permits.	■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. ■ Print your name and address on the reverse	SENDER: COMPLETE THIS SECTION
urn Receipt 102595-02-M-15-	0 0000 9980 4620	Q Certifled Mall Registered Resturn Receipt for Merchandis Restricted Mall C.O.D. A. Restricted Delivery? (Extra Fee) Restricted Delivery?	3. Service Type	D. is delivery address different from item 1? Li Yes If YES, enter delivery address below: \(\sime\) No	Regard by (Brinted Name) > C. D.		COMPLETE, THIS SECTION ON DELIVERY:	turn Receipt 102595-02-M-16	1820 0001 6804 5407	4. Restricted Delivery? (Extra Fee)	3. Service Type 2. Certified Mall		If YES, enter delivery address below:	Received by (Printed Name) C. D	* The Roull - Agent Address	COMPLETE THIS SECTION ON DELIVERY