1R - 427-62

GENERAL CORRESPONDENCE

YEAR(S):

2007

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

Kristin Farris Pope
Rice Operating Company
122 West Taylor
Hobbs, NM 88240

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X [signature] ☐ Agent ☑ Addressee

B. Received by (Printed Name) MARCIA HARRINGTON

C. Date of Delivery 3/29/07

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PS Form 3811, August 2001 Domestic Return Receipt 102595-01-M-2509

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

Mark E. Fesmire, P.E.
Director
Oil Conservation Division

CERTIFIED MAIL
RETURN RECEIPT NO: 3929 4432

March 26, 2007

Kristin Farris Pope
Rice Operating Company
122 West Taylor
Hobbs, New Mexico 88240

RE: REQUIREMENT TO SUBMIT ABATEMENT PLAN

Dear Ms. Pope:

The New Mexico Oil Conservation Division (OCD) has determined after reviewing your Notification of Groundwater Impact for each of the following six sites:

1) Rice EME Sarah Phillips EOL
Unit K, Section 33, T19S, R37E
Lea County, New Mexico
OCD Case #1R0427-17

2) Rice EME A-2
Unit A, Section 2, T20S, R36E
Lea County, New Mexico
OCD Case #1R0427-62

3) Rice EME Jct. A-2-1
Unit A, Section 2, T20S, R36E
Lea County, New Mexico
OCD Case #1R0427-177

4) Rice BD K-4
Unit K, Section 4, T18S, R38E
Lea County, New Mexico
OCD Case #1R0459

5) Rice EME C-16 (1)
Unit C, Section 16, T20S, R37E
Lea County, New Mexico
OCD Case #1R0476

6) Rice EME C-16 (2)
Unit C, Section 16, T20S, R37E
Lea County, New Mexico
OCD Case #1R0477

that the Rice Operating Company (ROC) must submit for each of the six sites a separate Stage 1 Abatement Plan in accordance with OCD Rule 19 (19.15.1.19 NMAC) to investigate the ground water contamination at each of these sites. The Stage 1 Abatement Plans must be submitted to the OCD Santa Fe Office with a copy provided to the OCD Hobbs District Office and must meet of all the requirements specified in OCD Rule 19 (19.15.1.19 NMAC), including, but not limited to, the public notice and participation requirements specified in Rule 19G. The Stage 1 Abatement Plan is due sixty (60) days from the receipt by ROC of this written notice.

ROC's Stage 1 Abatement Plans must specifically meet all of the requirements specified in OCD Rule 19E.3, including, but not limited to, a site investigation work plan and monitoring program that will enable it to characterize the release using an appropriate number of isoconcentration maps and cross sections that depict the contamination that has been released from the sites and to provide the data necessary to select and design an effective abatement option. ROC may, if it chooses, concurrently submit a Stage 2 Abatement Plan that addresses appropriate proactive abatement options.

ROC should submit one paper copy and an electronic copy on CD for each of the Plans and for all future workplans and/or reports for each of the Plans. Please be sure to include the current corresponding OCD Case # on each of the respective Abatement Plans. An Abatement Plan # will be assigned as each of the Plans are submitted to the OCD. If you have any questions, please contact Edward J. Hansen of my staff at (505) 476-3489 or mailto:edwardj.hansen@state.nm.us.

Sincerely,

Wayne Price
Environmental Bureau Chief

WP:EJH:ejh

cc: Chris Williams, OCD Hobbs District Supervisor
Larry Johnson, OCD Hobbs

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

2007 JAN 22 AM 10 43

CERTIFIED MAIL
RETURN RECEIPT NO. 7005 3110 0000 2019 6371

January 15, 2007

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

RE: NOTIFICATION OF GROUNDWATER IMPACT
A-2 Release Site
Eunice-Monument-Eumont (EME) SWD System
Unit 'A', Sec. 2, T20S, R36E

Mr. Price:

Rice Operating Company (ROC) notifies the Director of the New Mexico Oil Conservation Division (OCD), Environmental Bureau of groundwater impact at the above-referenced site in accordance with NM Rule 116. The remediation of this site may be subject to NM Rule 19 procedures.

This site experienced an accidental discharge on August 26, 2003 due to a crack in a 6-inch asbestos-cement pipeline, releasing 15 barrels of produced. A C-141 form (initial) was submitted to the Hobbs District 1 office on August 28, 2003. Initial assessments of soil impacts were conducted by ROC. ROC concluded that groundwater investigation was warranted. On January 16, 2004, ROC disclosed this site to OCD as having a potential for groundwater impact and the site was placed on a prioritized list of similar sites.

ROC retained Highlander Environmental (Highlander) of Midland, Texas to address this site. On August 9, 2006 Highlander submitted an Investigation & Characterization Plan to OCD for additional delineation which was approved by OCD the same day. During October 2006, delineation soil borings and three 2-inch monitoring wells were installed at the site. Groundwater was encountered at approximately 40 feet below ground surface. After appropriate development, the wells were sampled pursuant to OCD guidelines by a

third party and Environmental Lab of Texas performed the analysis. Chloride and Total Dissolved Solids (TDS) concentrations exceed New Mexico Water Quality Control Commission standards; however, concentrations are highest in the background well (MW-3), up-gradient from the release site. Hydrocarbon constituents (BTEX) were not detected. Highlander will present a remedy for this site in the submission of a Corrective Action Plan.

ROC is the service provider (agent) for the EME Salt Water Disposal System and has no ownership of any portion of the pipelines, wells, or facilities. The EME System is owned by a consortium of oil producers, System Partners, who provide all operating capital on a percentage ownership/usage basis. Environmental remediation projects of this magnitude require System Partner AFE approval and work begins as funds are received.

Please accept this notification for the above-referenced site. Should you have any questions or concerns regarding this site, please do not hesitate to contact me.

RICE OPERATING COMPANY

Kristin Farris Pope

Kristin Farris Pope
Project Scientist

enclosures: water analyses, well logs, survey map

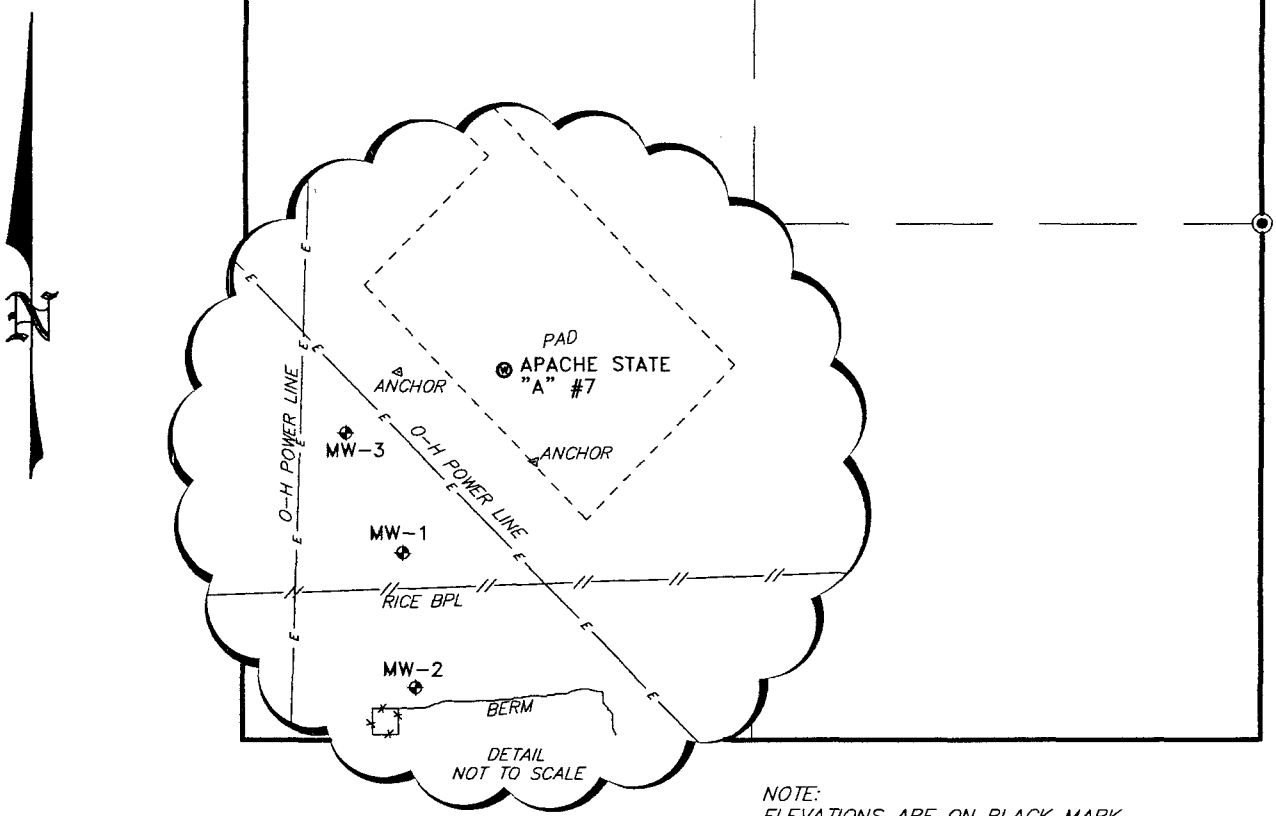
cc: SC, CDH, Highlander, file,

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

SECTION 2, TOWNSHIP 20 SOUTH, RANGE 36 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.

T-19-S
T-20-S

OWNER: STATE OF NEW MEXICO
LESSEE: JAMES F. BYRD, etal.



NEW MEXICO STATE PLANE COORDINATES (NAD83)
TOP CASING

NOTE:
ELEVATIONS ARE ON BLACK MARK ON NORTH SIDE OF PVC CASING.

WELL	NORTHING	EASTING	LATITUDE	LONGITUDE	ELEV.(PVC)	GROUND	ELEV(CONC)
MW-1	585836.8	852769.7	N 32°36'23.2"	W 103°19'19.2"	3596.45'	3593.65'	3593.92'
MW-2	585725.9	852782.2	N 32°36'22.1"	W 103°19'19.1"	3595.49'	3593.05'	3593.31'
MW-3	585935.7	852720.8	N 32°36'24.2"	W 103°19'19.8"	3595.28'	3592.65'	3593.00'

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

GARY L. JONES N.M. P.S. No. 7977
TEXAS P.L.S. No. 5074

GARY L. JONES NEW MEXICO 7977 REGISTERED PROFESSIONAL LAND SURVEYOR

1000 0 1000 2000 FEET

BASIN SURVEYS P.O. BOX 1786 – HOBBS, NEW MEXICO

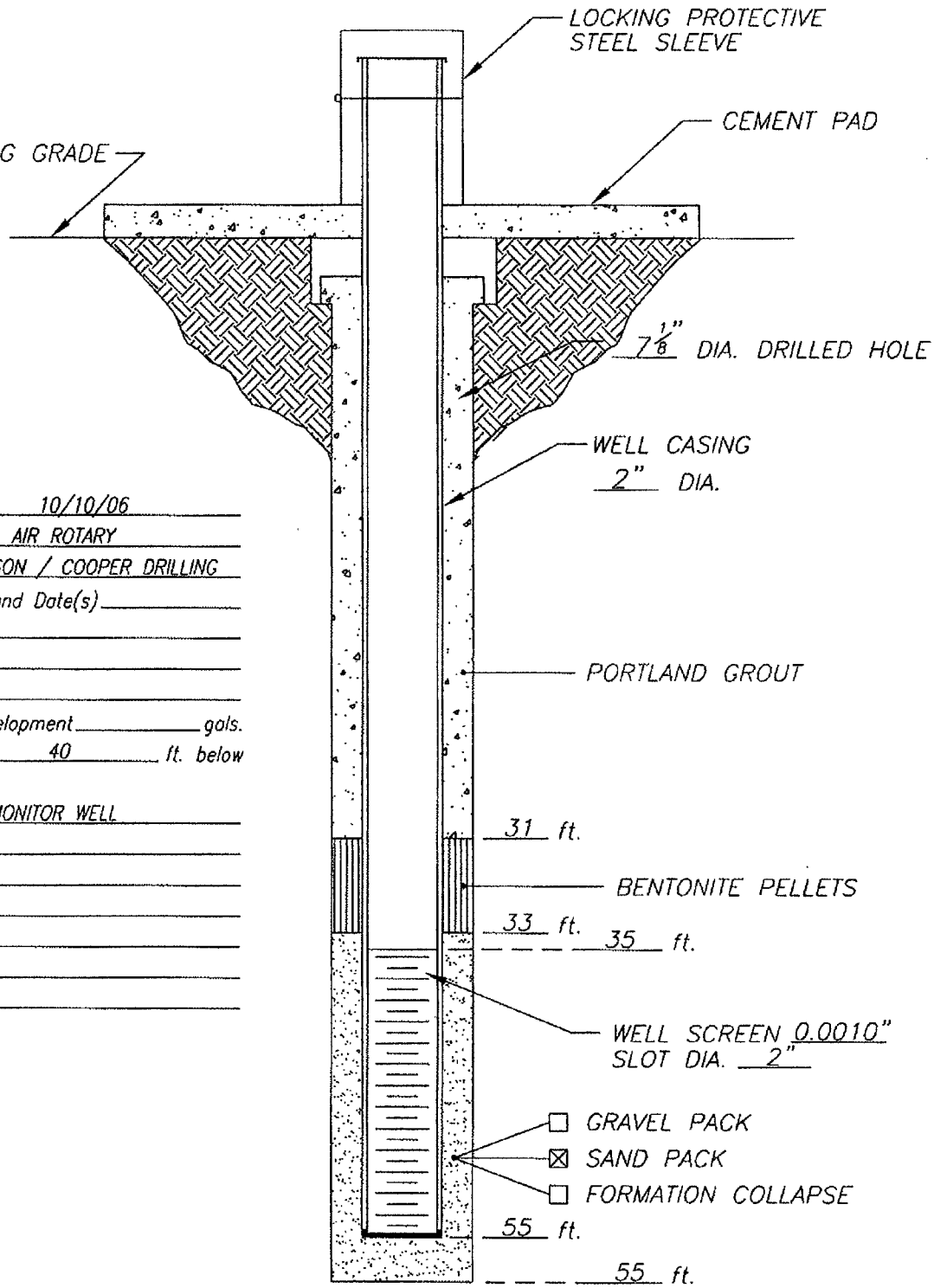
RICE OPERATING COMPANY

REF: A-2 MONITOR WELLS

MONITOR WELLS LOCATED IN
SECTION 2, TOWNSHIP 20 SOUTH, RANGE 36 EAST,
N.M.P.M., LEA COUNTY, NEW MEXICO.

W.O. Number: 17531 | Drawn By: K. GOAD
Date: 12-22-2006 | Disk: KJG – RC17531.DWG | Survey Date: 12-21-2006 | Sheet 1 of 1 Sheets

WELL CONSTRUCTION LOG



Installation Date(s) 10/10/06
Drilling Method AIR ROTARY
Drilling Contractor HARRISON / COOPER DRILLING
Development Technique(s) and Date(s) _____

Water Removed During Development _____ gals.
Static Depth to Water 40 ft. below Ground Level
Well Purpose MONITOR WELL

Remarks _____

DATE: 11/9/06 *Highlander Environmental*	CLIENT: *RICE OPERATING* PROJECT: *EME A-2* LOCATION: *LEA COUNTY, NEW MEXICO*	WELL NO. MW-1

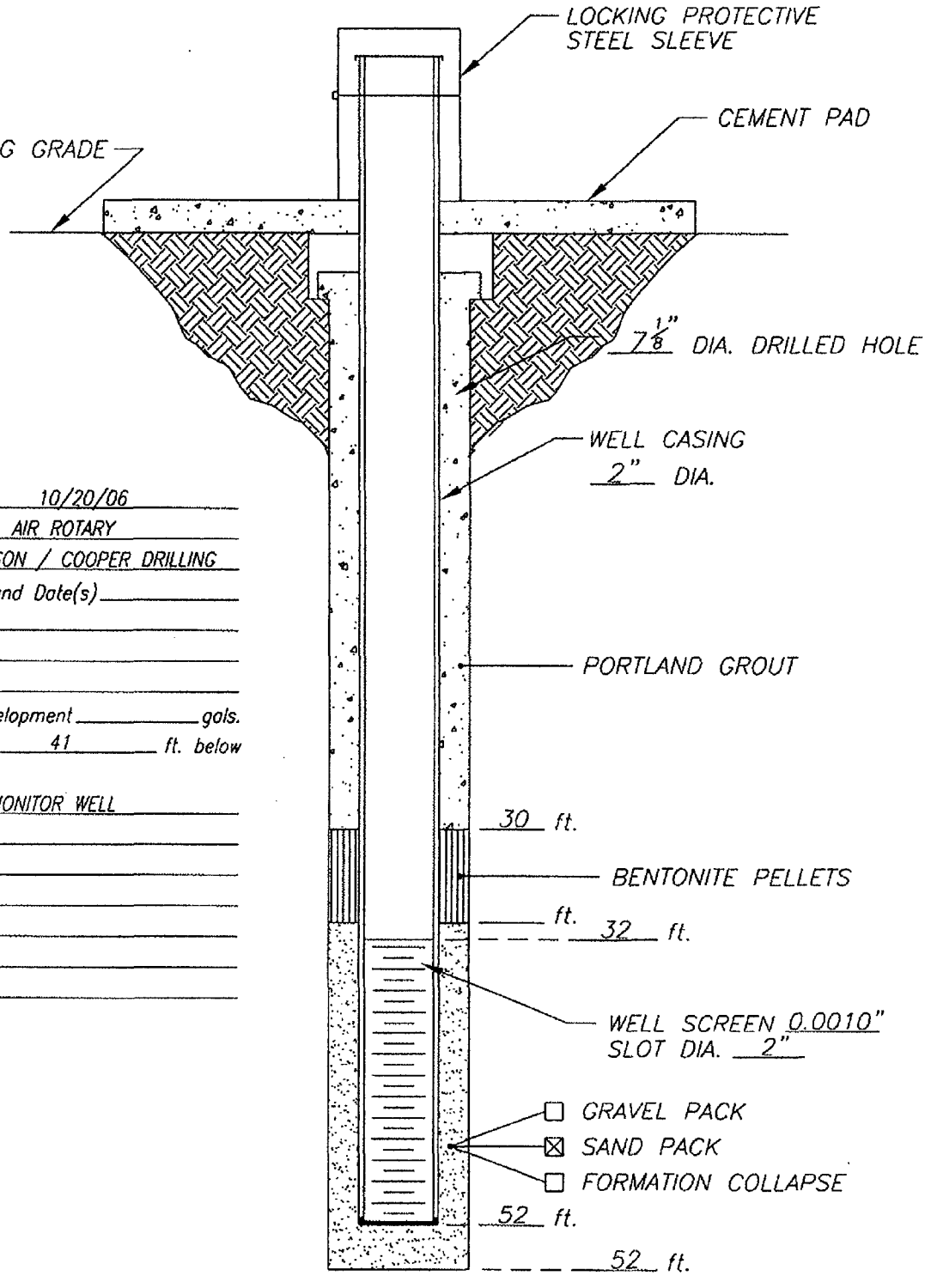
SAMPLE LOG

Boring/Well MW-1
Project Number: **2643**
Client: **Rice Engineering**
Site Location: **EME A-2**
Location: **Lea County, New Mexico**
Total Depth **55**
Date Installed: **10/10/06**

DEPTH (in feet)	OVM	CHLORIDES (in mg/Kg)	SAMPLE DESCRIPTION
3-5	0	260	Tan/buff calcareous fine grain sand
8-10	0	355	Tan/red calcareous fine grain sand
13-15	0	436	Tan/buff calcareous fine grain sand
18-20	0	347	Tan/buff calcareous fine grain sand
23-25	0	176	Tan/red calcareous fine grain sand
28-30	0	227	Tan/red calcareous fine grain sand
33-35	0	435	Tan/red calcareous fine grain sand
38-40	1	308	Tan/brown clayey fine grain sand
43-45	0	348	Tan/brown sandy clay
48-50	0	712	Tan/brown clayey fine grain sand
53-55	0	843	Red fine grain sandy clay

Boring completed at 55 feet bgs Groundwater encountered at 40 feet

WELL CONSTRUCTION LOG



Installation Date(s) 10/20/06
Drilling Method AIR ROTARY
Drilling Contractor HARRISON / COOPER DRILLING
Development Technique(s) and Date(s) _____

Water Removed During Development _____ gals.
Static Depth to Water 41 ft. below Ground Level
Well Purpose MONITOR WELL

Remarks _____

DATE: 11/9/06 *Highlander Environmental*	CLIENT: *RICE OPERATING* PROJECT: *EME A-2* LOCATION: *LEA COUNTY, NEW MEXICO*	WELL NO. MW-2

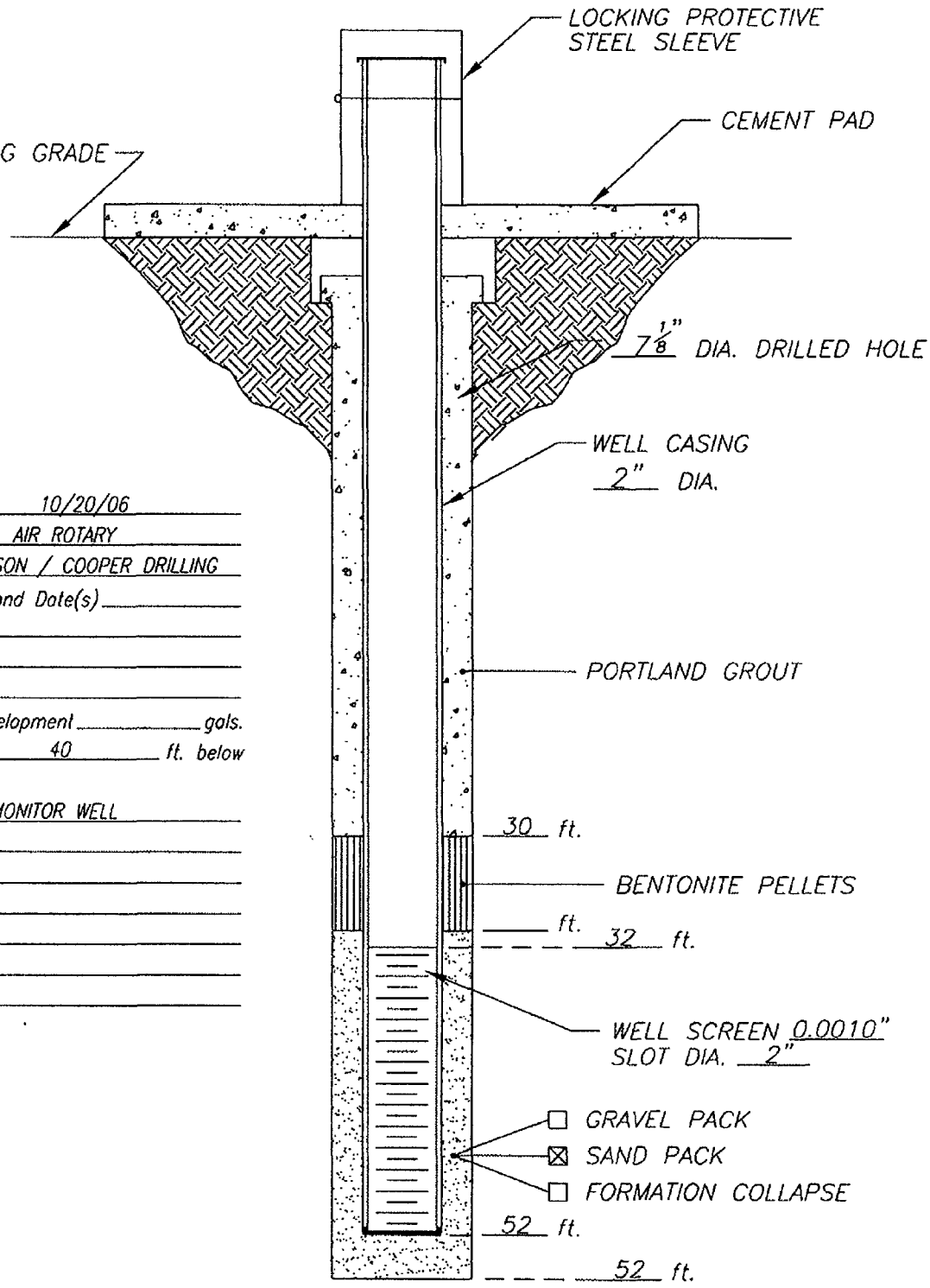
SAMPLE LOG

Boring/Well: MW-2
Project Number: 2643
Client: Rice Engineering
Site Location: EME A-2
Location: Lea County, New Mexico
Total Depth 52
Date Installed: 10/20/06

DEPTH (in feet)	OVM	CHLORIDES (in mg/Kg)	SAMPLE DESCRIPTION
3-5	0	117	Buff fine grain calcareous sand
8-10	0	89	Buff fine grain calcareous sand with limestone intermixed
23-25	0	283	Tan fine grain calcareous sand
28-30	0	251	Tan fine grain calcareous sand
33-35	0	167	Tan fine grain calcareous sand with limestone intermixed
38-40	0	224	Tan fine grain calcareous sand
43-45	0	--	Tan/brown sandy clay
48-50	0	--	Tan fine grain sandy clay (wet)
53-55	0	843	Red fine grain sandy clay becoming red clay

Boring completed at 52 feet bgs Groundwater encountered at 41 feet

WELL CONSTRUCTION LOG



Installation Date(s) 10/20/06
Drilling Method AIR ROTARY
Drilling Contractor HARRISON / COOPER DRILLING
Development Technique(s) and Date(s) _____

Water Removed During Development _____ gals.
Static Depth to Water 40 ft. below Ground Level
Well Purpose MONITOR WELL

Remarks _____

DATE: 11/9/06 *Highlander Environmental*	CLIENT: *RICE OPERATING* PROJECT: *EME A-2* LOCATION: *LEA COUNTY, NEW MEXICO*	WELL NO. MW-3

SAMPLE LOG

Boring/Well: MW-3
Project Number: 2643
Client: Rice Engineering
Site Location: EME A-2
Location: Lea County, New Mexico
Total Depth 52
Date Installed: 10/20/06

DEPTH (in feet)	OVM	CHLORIDES (in mg/Kg)	SAMPLE DESCRIPTION
3-5	1	553	Buff tan fine grain sandy limestone
8-10	2	449	Tan fine grain calcareous sand
13-15	0	965	Buff fine grain sandy limestone
18-20	1	545	Tan fine grain calcareous sand
23-25	1	253	Tan fine grain calcareous sand
28-30	3	240	Tan fine grain calcareous sand
33-35	2	282	Tan fine grain calcareous sand with clay intermixed
38-40	4	335	Tan clay with small amounts of sand
43-45	0	--	Tan fine grain sandy clay (wet)
48-50	0	--	Tan fine grain sandy clay (wet)

Boring completed at 52 feet bgs Groundwater encountered at 40 feet

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Kristin Farris-Pope

Rice Operating Co.

122 W. Taylor

Hobbs, NM 88240

Project: EME A-2 Leak

Project Number: None Given

Location: T20S, R36E, Sec.2 A- Lea County, NM

Lab Order Number: 6K03013

Report Date: 11/17/06

Rice Operating Co.	Project: EME A-2 Leak	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Monitor Well #1	6K03013-01	Water	11/01/06 08:35	11-03-2006 11:45
Monitor Well #2	6K03013-02	Water	11/01/06 10:35	11-03-2006 11:45
Monitor Well #3	6K03013-03	Water	11/01/06 09:40	11-03-2006 11:45

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Rice Operating Co.	Project: EME A-2 Leak	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (6K03013-01) Water									
Benzene	ND	0.00100	mg/L	1	EK60807	11/08/06	11/08/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*84.8 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*83.2 %*	*80-120*		"	"	"	"	
Monitor Well #2 (6K03013-02) Water									
Benzene	ND	0.00100	mg/L	1	EK60807	11/08/06	11/09/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*83.5 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.8 %*	*80-120*		"	"	"	"	
Monitor Well #3 (6K03013-03) Water									
Benzene	ND	0.00100	mg/L	1	EK60807	11/08/06	11/09/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*90.0 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*	*80-120*		"	"	"	"	

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Rice Operating Co.	Project: EME A-2 Leak	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (6K03013-01) Water									
Total Alkalinity	**188**	2.00	mg/L	1	EK60711	11/07/06	11/07/06	EPA 310.1M	
Chloride	**3820**	50.0	"	100	EK60602	11/06/06	11/06/06	EPA 300.0	
Total Dissolved Solids	**6650**	10.0	"	1	EK60913	11/03/06	11/06/06	EPA 160.1	
Sulfate	**225**	50.0	"	100	EK60602	11/06/06	11/06/06	EPA 300.0	
Monitor Well #2 (6K03013-02) Water									
Total Alkalinity	**222**	2.00	mg/L	1	EK60711	11/07/06	11/07/06	EPA 310.1M	
Chloride	**2950**	50.0	"	100	EK60602	11/06/06	11/06/06	EPA 300.0	
Total Dissolved Solids	**4990**	10.0	"	1	EK60913	11/03/06	11/06/06	EPA 160.1	
Sulfate	**241**	50.0	"	100	EK60602	11/06/06	11/06/06	EPA 300.0	
Monitor Well #3 (6K03013-03) Water									
Total Alkalinity	**198**	2.00	mg/L	1	EK60711	11/07/06	11/07/06	EPA 310.1M	
Chloride	**4250**	50.0	"	100	EK60602	11/06/06	11/06/06	EPA 300.0	
Total Dissolved Solids	**7680**	10.0	"	1	EK60913	11/03/06	11/06/06	EPA 160.1	
Sulfate	**232**	50.0	"	100	EK60602	11/06/06	11/06/06	EPA 300.0	

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Rice Operating Co.	Project: EME A-2 Leak	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	

Total Metals by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (6K03013-01) Water									
Calcium	**1190**	20.2	mg/L	250	EK60712	11/07/06	11/07/06	EPA 6010B	
Magnesium	**394**	3.60	"	100	"	"	"	"	
Potassium	**18.7**	0.600	"	10	"	"	"	"	
Sodium	**1090**	4.30	"	100	"	"	"	"	
Monitor Well #2 (6K03013-02) Water									
Calcium	**756**	20.2	mg/L	250	EK60712	11/07/06	11/07/06	EPA 6010B	
Magnesium	**265**	9.00	"	"	"	"	"	"	
Potassium	**17.4**	0.600	"	10	"	"	"	"	
Sodium	**1110**	10.8	"	250	"	"	"	"	
Monitor Well #3 (6K03013-03) Water									
Calcium	**1170**	20.2	mg/L	250	EK60712	11/07/06	11/07/06	EPA 6010B	
Magnesium	**414**	3.60	"	100	"	"	"	"	
Potassium	**22.0**	0.600	"	10	"	"	"	"	
Sodium	**1060**	10.8	"	250	"	"	"	"	

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EK60807 - EPA 5030C (GC)										
Blank (EK60807-BLK1)				Prepared & Analyzed: 11/08/06						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00100	"							
Xylene (o)	ND	0.00100	"							
Surrogate: a,a,a-Trifluorotoluene	*39.7*		*ug/l*	*40.0*		*99.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*36.0*		"	*40.0*		*90.0*	*80-120*			
LCS (EK60807-BS1)				Prepared & Analyzed: 11/08/06						
Benzene	0.0505	0.00100	mg/L	0.0500		101	80-120			
Toluene	0.0455	0.00100	"	0.0500		91.0	80-120			
Ethylbenzene	*0.0450*	*0.00100*	"	*0.0500*		*90.0*	*80-120*			
Xylene (p/m)	0.0963	0.00100	"	0.100		96.3	80-120			
Xylene (o)	0.0469	0.00100	"	0.0500		93.8	80-120			
Surrogate: a,a,a-Trifluorotoluene	*36.7*		*ug/l*	*40.0*		*91.8*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*42.3*		"	*40.0*		*106*	*80-120*			
Calibration Check (EK60807-CCV1)				Prepared: 11/08/06 Analyzed: 11/09/06						
Benzene	53.7		*ug/l*	50.0		107	80-120			
Toluene	46.9		"	50.0		93.8	80-120			
Ethylbenzene	48.0		"	50.0		96.0	80-120			
Xylene (p/m)	93.1		"	100		93.1	80-120			
Xylene (o)	45.8		"	50.0		91.6	80-120			
Surrogate: a,a,a-Trifluorotoluene	*41.4*		"	*40.0*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*35.5*		"	*40.0*		*88.8*	*80-120*			
Matrix Spike (EK60807-MS1)	**Source: 6K03002-01**			Prepared: 11/08/06 Analyzed: 11/09/06						
Benzene	0.0549	0.00100	mg/L	0.0500	ND	110	80-120			
Toluene	0.0474	0.00100	"	0.0500	ND	94.8	80-120			
Ethylbenzene	0.0462	0.00100	"	0.0500	ND	92.4	80-120			
Xylene (p/m)	0.0939	0.00100	"	0.100	ND	93.9	80-120			
Xylene (o)	0.0451	0.00100	"	0.0500	ND	90.2	80-120			
Surrogate: a,a,a-Trifluorotoluene	*39.5*		*ug/l*	*40.0*		*98.8*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*37.4*		"	*40.0*		*93.5*	*80-120*			

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

Project: EME A-2 Leak
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EK60807 - EPA 5030C (GC)										
Matrix Spike Dup (EK60807-MSD1)	**Source: 6K03002-01**			Prepared: 11/08/06 Analyzed: 11/09/06						
Benzene	0.0554	0.00100	mg/L	0.0500	ND	111	80-120	0.905	20	
Toluene	0.0504	0.00100	"	0.0500	ND	101	80-120	6.33	20	
Ethylbenzene	0.0472	0.00100	"	0.0500	ND	94.4	80-120	2.14	20	
Xylene (p/m)	0.105	0.00100	"	0.100	ND	105	80-120	11.2	20	
Xylene (o)	0.0521	0.00100	"	0.0500	ND	104	80-120	14.2	20	
Surrogate: a,a,a-Trifluorotoluene	*39.4*		*ug/l*	*40.0*		*98.5*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*42.5*		"	*40.0*		*106*	*80-120*			

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

Project: EME A-2 Leak
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EK60602 - General Preparation (WetChem)										
Blank (EK60602-BLK1)				Prepared & Analyzed: 11/06/06						
Chloride	ND	0.500	mg/L							
Sulfate	ND	0.500	"							
LCS (EK60602-BS1)				Prepared & Analyzed: 11/06/06						
Sulfate	9.30	0.500	mg/L	10.0		93.0	80-120			
Chloride	10.2	0.500	"	10.0		102	80-120			
Calibration Check (EK60602-CCV1)				Prepared & Analyzed: 11/06/06						
Chloride	10.0		mg/L	10.0		100	80-120			
Sulfate	10.9		"	10.0		109	80-120			
Duplicate (EK60602-DUP1)	**Source: 6K03002-01**			Prepared & Analyzed: 11/06/06						
Sulfate	508	5.00	mg/L		511			0.589	20	
Chloride	45.8	5.00	"		45.4			0.877	20	
Duplicate (EK60602-DUP2)	**Source: 6K03008-04**			Prepared & Analyzed: 11/06/06						
Chloride	44.5	5.00	mg/L		44.2			0.676	20	
Sulfate	116	5.00	"		115			0.866	20	
Matrix Spike (EK60602-MS1)	**Source: 6K03002-01**			Prepared & Analyzed: 11/06/06						
Chloride	148	5.00	mg/L	100	45.4	103	80-120			
Sulfate	613	5.00	"	100	511	102	80-120			
Matrix Spike (EK60602-MS2)	**Source: 6K03008-04**			Prepared & Analyzed: 11/06/06						
Chloride	150	5.00	mg/L	100	44.2	106	80-120			
Sulfate	214	5.00	"	100	115	99.0	80-120			

Rice Operating Co.	Project: EME A-2 Leak	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EK60711 - General Preparation (WetChem)										
Blank (EK60711-BLK1)				Prepared & Analyzed: 11/07/06						
Total Alkalinity	ND	2.00	mg/L							
LCS (EK60711-BS1)				Prepared & Analyzed: 11/07/06						
Total Alkalinity	202	2.00	mg/L	200		101	85-115			
Duplicate (EK60711-DUP1)	**Source: 6K03008-01**			Prepared & Analyzed: 11/07/06						
Total Alkalinity	236	2.00	mg/L		240			1.68	20	
Reference (EK60711-SRM1)				Prepared & Analyzed: 11/07/06						
Total Alkalinity	254		mg/L	250		102	90-110			
Batch EK60913 - Filtration Preparation										
Blank (EK60913-BLK1)				Prepared: 11/03/06 Analyzed: 11/06/06						
Total Dissolved Solids	ND	10.0	mg/L							
Duplicate (EK60913-DUP1)	**Source: 6K03002-01**			Prepared: 11/03/06 Analyzed: 11/06/06						
Total Dissolved Solids	954	10.0	mg/L		934			2.12	5	
Duplicate (EK60913-DUP2)	**Source: 6K03014-03**			Prepared: 11/03/06 Analyzed: 11/06/06						
Total Dissolved Solids	1050	10.0	mg/L		946			10.4	5	R2

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Rice Operating Co.	Project: EME A-2 Leak	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	

Total Metals by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EK60712 - 6010B/No Digestion										
Blank (EK60712-BLK1)				Prepared & Analyzed: 11/07/06						
Calcium	ND	0.0810	mg/L							
Magnesium	ND	0.0360	"							
Potassium	ND	0.0600	"							
Sodium	ND	0.0430	"							
Calibration Check (EK60712-CCV1)				Prepared & Analyzed: 11/07/06						
Calcium	2.26		mg/L	2.00		113	85-115			
Magnesium	2.12		"	2.00		106	85-115			
Potassium	1.73		"	2.00		86.5	85-115			
Sodium	2.13		"	2.00		106	85-115			
Duplicate (EK60712-DUP1)	**Source: 6K03002-01**			Prepared & Analyzed: 11/07/06						
Calcium	84.4	0.810	mg/L		83.8			0.713	20	
Magnesium	40.5	0.360	"		38.9			4.03	20	
Potassium	7.74	0.600	"		8.13			4.91	20	
Sodium	110	2.15	"		117			6.17	20	

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Rice Operating Co.	Project: EME A-2 Leak	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	

Notes and Definitions

R2	The RPD exceeded the acceptance limit.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Raland K Tuttle Date: 11/17/2006

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer
Jeanne Mc Murrey, Inorg. Tech Director
LaTasha Cornish, Chemist
Sandra Sanchez, Lab Tech.

Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

Phone: 432-563-1800
Fax: 432-563-1713

Project Manager: Kristin Farris Pope kpope@riceswd.com

Company Name: RICE Operating Company

Company Address: 122 W. Taylor Street

City/State/Zip: Hobbs, New Mexico 88240

Telephone No: (505) 393-9174 Fax No: (505) 397-1471

Sampler Signature: Rozanne Johnson (505)631-9310 e-mail: rozanne@valornet.com

Project Name: EME A-2 Leak

Project #:

Project Loc: T20S R36E Sec2 A ~ Lea County New Mexico

PO #:

Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only)
ORDER #: 6K0303

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3	HCl (2) 40 ml glass vials	H_2SO_4	NaOH	$Na_2S_2O_3$	None (1) 1 Liter HDPE	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other:	Analyze For: TCLP: TOTAL: TPH: 418.1 8015M	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles (BTEX-N 8260)	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Total Dissolved Solids			RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
01	Monitor Well #1			11/1/2006	8:35		3	X		2				1		GW			X	X					X			X				X
02	Monitor Well #2			11/1/2006	10:35		3	X		2				1		GW			X	X					X			X				X
03	Monitor Well #3			11/1/2006	9:40		3	X		2				1		GW			X	X					X			X				X

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
Rozanne Johnson	11-3-06	6:00	James Johnson	11-3-06	6:01
James Johnson	11-3-06	11:45			
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
				11/3/06	11:45

Laboratory Comments:

Sample Containers intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered by Sampler/Client Rep. ?	Y	N

By Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt: 0.5 °C

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: RICE OP.

Date/ Time: 11/3/06 11:45

Lab ID # : 610803

Initials: LK

Sample Receipt Checklist

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

Variance Documentation

Contact: _____ Contacted by: _____ Date/ Time: _____

Regarding: _____

Corrective Action Taken:

Check all that Apply:

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