AP - 45

STAGE 2 REPORT

DATE:
09-24-07

AP-45
Stage 2 Report
9-24-07

RECEIVED
SFP 27 2007
Environmental Bureau
Oil Conservation Division

September 24, 2007

STAGE 2 FINAL REPORT

EME P-6 RELEASE SITE (AP-45)

T20S, R37E, SECTION 6, UNIT LETTER P
LEA COUNTY, NEW MEXICO

Prepared by:

TRIDENT ENVIRONMENTAL

P. O. Box 7624
Midland, Texas 79708

Prepared for:

RICE *Operating Company*

122 West Taylor

Hobbs, New Mexico 88240

TRIDENT ENVIRONMENTAL

CERTIFIED MAIL
RETURN RECIEPT NO. 7099 3400 0017 1737 2169

RECEIVED
SEP 27 2007
Environmental Bureau
Oil Conservation Division

September 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

RE: Stage 2 Final Report
EME P-6 Release Site (AP-45)
T20S-R37E-Section 6, Unit Letter P
Lea County, New Mexico

Dear Mr. Hansen

On behalf of Rice Operating Company (ROC), enclosed is the Stage 2 Final Report for the above-referenced site. The Final Report includes the findings from recent investigation activities in accordance with the NMOCD-approved Stage 1 & 2 Abatement Plan.

The following corrective actions taken at the EME P-6 Line Leak site have eliminated past and minimized any future threats to vadose zone or groundwater degradation:

- Replacement of former 10-inch A/C line with poly line
- Excavation and removal of 168 yd^3 of hydrocarbon-impacted soil
- Excavation, remediation, and blending of approximately 400 yd^3 of lesser impacted soil to 64 ppm chloride, a total petroleum hydrocarbon (TPH) level of 115 mg/kg, and benzene, toluene, ethylbenzene, and xylenes (BTEX) concentrations less than 0.005 mg/kg.
- Installation of a clay layer to minimize infiltration through the vadose zone.
- Placement of clean topsoil and application of a native seed mixture to encourage re-vegetation which is being monitored for continued healthy growth.

Vadose zone delineation activities from 13 trenched sample locations within the impacted area during earlier investigations have shown that the chloride concentration averaged only 340 mg/kg. Based on those findings it is evident that the chloride load in the vadose zone is at a level too low to suggest any significant contribution to the chloride concentrations observed in the groundwater at the site.

Groundwater analytical results from the recently-installed onsite monitoring wells and a review of data from other sites in the area have provided evidence that the elevated chloride and total dissolved solids (TDS) concentrations in the groundwater at the site are the result of upgradient sources and are consistent with the regionally-impaired groundwater quality.

We propose to continue sampling monitoring wells P6-1, P6-2, P6-3, and P6-4. In addition, vegetation will be monitored for growth and amendments added if necessary. If quarterly sampling results continue to support the conclusions described above, and vegetation improves at its natural rate, a request for closure of the Rule 19 regulatory file associated with this site will be submitted to the NMOCD in the first quarter of 2008.

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

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

TABLE OF CONTENTS

FIGURES

TABLES

APPENDICES

1.0 EXECUTIVE SUMMARY

This Stage 2 Final Report presents the results of the characterization and corrective actions performed by Rice Operating Company (ROC) at the EME P-6 release site in accordance with the NMOCD-approved Stage 1 and 2 Abatement Plan, NMOCD conditions to the minor amendment, and email communications with the NMOCD (Appendix A).

The following corrective actions taken at the EME P-6 Release site have eliminated past and minimized any future threats to vadose zone or groundwater degradation:

- Replacement of former 10-inch A/C line with poly line
- Excavation and removal of 168 yd^3 of hydrocarbon-impacted soil
- Excavation, remediation, and blending of approximately 400 yd^3 of lesser impacted soil to 64 ppm chloride, a total petroleum hydrocarbon (TPH) level of 115 mg/kg, and benzene, toluene, ethylbenzene, and xylenes (BTEX) concentrations below 0.005 mg/kg.
- Installation of a clay layer to minimize infiltration through the vadose zone.
- Placement of clean topsoil and application of a native seed mixture to encourage re-vegetation which is being monitored for continued healthy growth.

Vadose zone delineation activities from 13 trenched sample locations within the impacted area during earlier investigations have shown that the chloride concentration averaged only 340 mg/kg. Based on those findings it is evident that the chloride load in the vadose zone is at a level too low to suggest any significant contribution to the chloride concentrations observed in the groundwater at the site.

Furthermore, groundwater analytical results from the recently-installed onsite monitoring wells and a review of data from other sites in the area have provided additional evidence that the elevated chloride and total dissolved solids (TDS) concentrations in the groundwater at the site are the result of upgradient sources and are consistent with the regionally-impaired groundwater quality.

We propose to continue sampling monitoring wells P6-1, P6-2, P6-3, and P6-4. In addition, vegetation will be monitored for growth and amendments added if necessary. If quarterly sampling results continue to support the conclusions described above, and vegetation improves at its natural rate, a request for closure of the Rule 19 regulatory file associated with this site will be submitted to the NMOCD in the first quarter of 2008.

2.0 CHRONOLOGY OF EVENTS

November 29, 2000	Initial release discovered. C-141 form submitted to NMOCD. The 10-inch pipe was replaced.
November 14, 2001	Soil boring sampling conducted. Samples were field-tested for chloride.
November 29, 2001	Additional soil sampling with backhoe. Field-tested for chloride and TPH.
January 9, 2002	Monitoring well P6-1 was installed at the release site.
January 18, 2002	ROC submitted Notification of Groundwater Impact to Roger Anderson, NMOCD office in Santa Fe, NM.
April 29, 2003	Hand augered boring sampling conducted. Samples were field-tested for chloride and TPH. Samples also submitted to lab for BTEX (8021B), GRO/DRO (8015M), and TPH fractions (TX1006).
July 31, 2003	Work plan submitted to NMOCD office in Santa Fe, NM, which included results from all subsurface soil investigations conducted to date and recommendation for additional monitoring wells (P6-2 and M5-1).
August 26, 2003	Work plan approved by Wayne Price, NMOCD office in Santa Fe, NM.
November 16, 2003	Monitoring well M5-1 was installed on adjacent downgradient site (approximately 500 ft southeast of P-6 Release site) during a separate investigation.
February 17, 2004	Monitoring well P6-2 installed upgradient from the release.
September 20, 2004	Corrective Action Plan (CAP) submitted to Wayne Price, NMOCD office in Santa Fe, NM
December 10, 2004	CAP denied by Wayne Price, NMOCD office in Santa Fe, NM
January 21, 2005	Additional soil sampling was conducted with a backhoe for further delineation of vertical and horizontal extent of hydrocarbon- and chloride-impacted soil. Soil samples were field-tested for chloride (QP-01) and organic vapor headspace. Samples were also submitted to the laboratory for BTEX (8260) and GRO/DRO (8015M) analysis.
March 16, 2005	A revised Corrective Action Plan submitted to Wayne Price, NMOCD office in Santa Fe, NM

May 5, 2005	Daniel Sanchez, NMOCD office in Santa Fe, NM, requested an Abatement Plan to be submitted by July 15, 2005.
July 12, 2005	Stage 1 and 2 Abatement Plan was submitted to the NMOCD.
July 12, 2006	Stage 1 and 2 Abatement Plan and minor modification was approved by the NMOCD.
July 19, 2006	Monitoring wells P6-3 and P6-4 were installed approximately 120 ft northwest and 230 ft south of P6-1, respectively. Approved access by the landowner was not granted for the installation of an offsite, cross-gradient monitoring well (P6-5) located approximately 200 feet east of monitoring well P6-1.
December 26, 2006	Excavation activities were completed.
January 11, 2007	NMOCD approves request for backfilling.
January 18, 2007	ROC completed backfilling of excavation which included the installation of a clay barrier and native topsoil cover supportive of re-establishing vegetation.
April 10, 2007	ROC re-seeded the site with a blend of native grass seed using a seed drill.

3.0 BACKGROUND

3.1 SITE LOCATION AND LAND USE

The EME P-6 Release site is located on land owned by Chevron in township 20 south, range 37 east, section 6, unit letter P approximately 4 miles west-southwest of Monument, NM as shown on the topographic map (Figure 1, next page) and aerial photographic map (Figure 2, below).

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.

Since the 1930's the land in the site area has been utilized for crude oil and gas production which continues to be its primary use today. Cattle ranching in the Monument and Eunice areas began in the late 1880s and continues today; however this activity has diminished over the years.

An abundance of oil and gas production facilities are located within and around the EME P-6 Release site as shown in Figure 2 below.

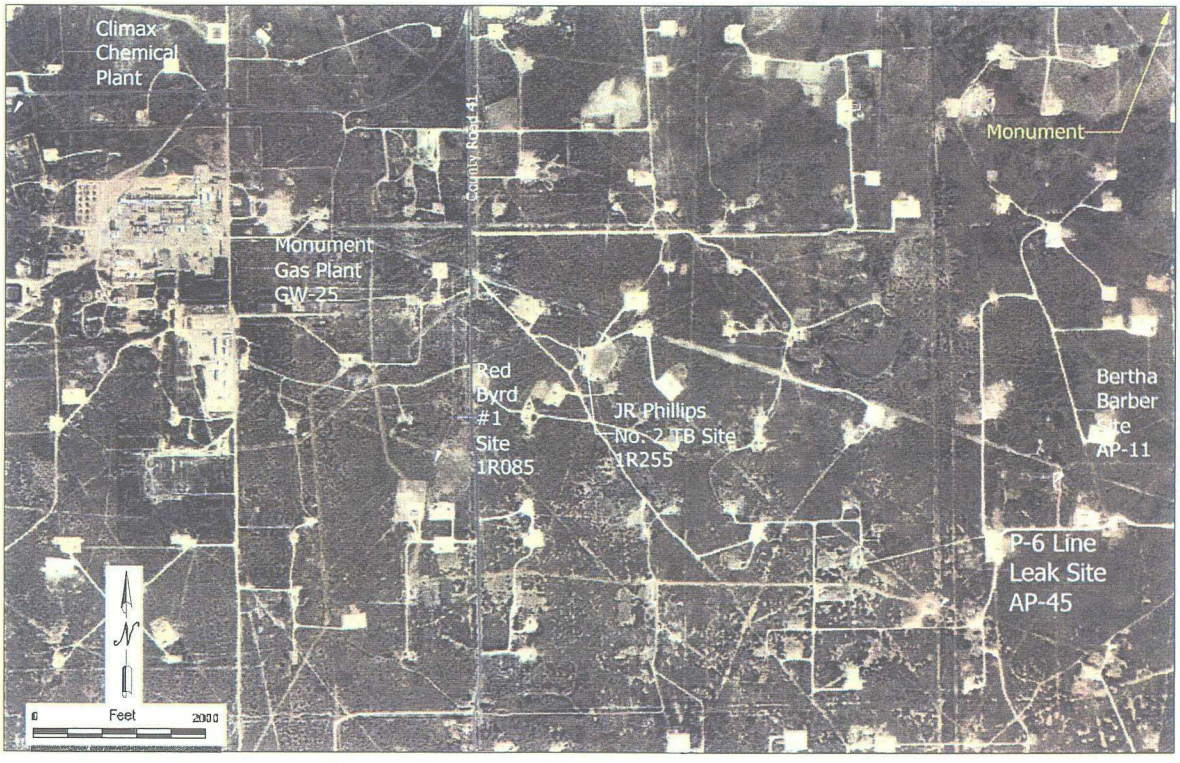
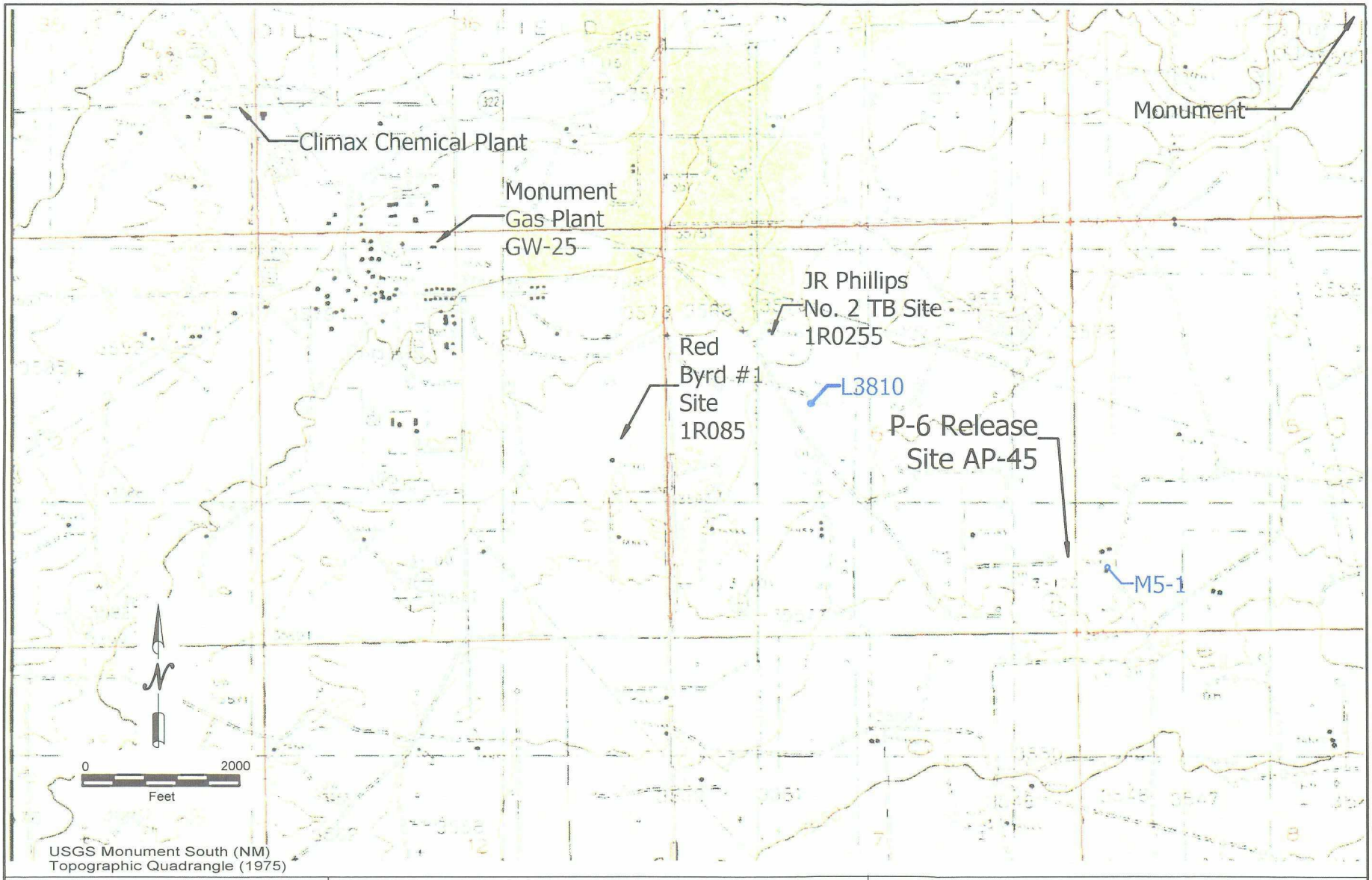


Figure 2: Aerial Photograph (July 2005)



TRIDENT ENVIRONMENTAL

EME P-6 Release Site

T20S - R37E - Section 6 - Unit P

RICE *Operating Company*

FIGURE 1

TOPOGRAPHIC MAP

3.2 NATURE OF RELEASE AND SUMMARY OF PREVIOUS WORK

This project has been ongoing since an accidental release of produced water was discovered on November 29, 2000. So far work has included extensive upgrades to the near-area SWD system, multiple site assessment sampling events, installation and sampling of four groundwater monitoring wells (P6-1, P6-2, P6-3, and P6-4), sampling of an offsite, upgradient well (L-3810) and downgradient well (M5-1) as shown in Figure 1. The NMOCD was notified of all significant events related to the project (work plans, C-141 forms, Notification of Groundwater Impact, Disclosure Reports, Stage 1 and 2 Abatement Plan, minor modifications, backfill request, etc). Previous investigations and reports are briefly identified in Section 2.0.

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 site is estimated at 60 feet; however it varies locally as a result of significant paleo-topography at the top of the underlying Triassic Dockum Group. Since Cretaceous Age rocks in the region have been removed by pre-Tertiary erosion, the colluvial deposits and Ogallala Formation rest unconformably on the Triassic Dockum Group. The uppermost unit of the Dockum Group is the Chinle Formation, which primarily consists of micaceous red clay and shale but also contains thin interbeds of fine-grained sandstone and siltstone. The red clays and shale of the Chinle Formation act as an aquitard beneath the water bearing colluvial deposits and therefore limit the amount of recharge to the underlying Dockum Group.

The first few feet beneath ground surface are dominated by fine to medium-grained dune sand. Based on the descriptions provided in lithologic logs the subsurface soils are composed of silty fine-grained sand and caliche. Well-indurated sand and calcite/caliche veins were also observed and clay was present in small amounts. The red clay of the Dockum Group is present at a depth of approximately 60 feet below ground surface at the site. The lithologic logs and well construction diagrams for the four monitoring wells associated with the site are included in Appendix C.

4.2 REGIONAL AND LOCAL HYDROGEOLOGY

Potable groundwater used in southern Lea County is derived primarily from the Ogallala Formation and the Quaternary alluvium. Water from the Ogallala and alluvium aquifers in southern Lea County is used for irrigation, stock, domestic, industrial, and public supply purposes.

Depth to groundwater beneath the site area is approximately 30 feet below ground surface. The direction of groundwater flow is to the south-southeast with a relatively flat hydraulic gradient of approximately 0.0015 feet/foot. Except for being relatively flat, the groundwater gradient at the P-6 Release site is consistent with those of several other groundwater monitoring sites in the Monument area (0.003 ft/ft) and the regional gradient as cited in published reports (Nicholsen and Clebsch, 1961).

Based on the water well inventory described in the Stage 1 and 2 Abatement Plan and several field reconnaissance efforts there are no known potential water supply receptors (domestic, livestock, irrigation, or industrial wells) within 1,000 feet of the P-6 Release site.

There are no surface water bodies located within a mile of the site.

5.0 SUBSURFACE SOIL EXCAVATION

Excavation, remediation, and backfilling, activities at the EME P-6 Release Site (AP-45) were completed on January 18, 2007 in accordance with the Stage 1 & 2 Abatement Plan, NMOCD conditions to the minor amendment, and email communications with the NMOCD (Appendix A).

Excavation activities were conducted between December 20 and 26, 2006. The final size of the excavation was approximately 26 ft wide by 26 ft long by 16 ft deep which resulted in a total of approximately 400 cubic yards of soil. Of that total, 168 cubic yards of the more highly TPH-impacted excavated soil was transported to the South Monument Surface Waste Facility (Manifests are included in Appendix D). The remaining excavated soil was blended with clean topsoil (dune sand) imported from the South Monument Surface Waste Facility. The wall and floor samples were collected consistent with the compositing protocol used by ROC for typical junction box closure sites. Laboratory analytical results are summarized in Table 1 below. Copies of the laboratory analytical reports and chains of custody are included in Appendix E.

Table 1
Summary of Excavation Closure Sampling Results

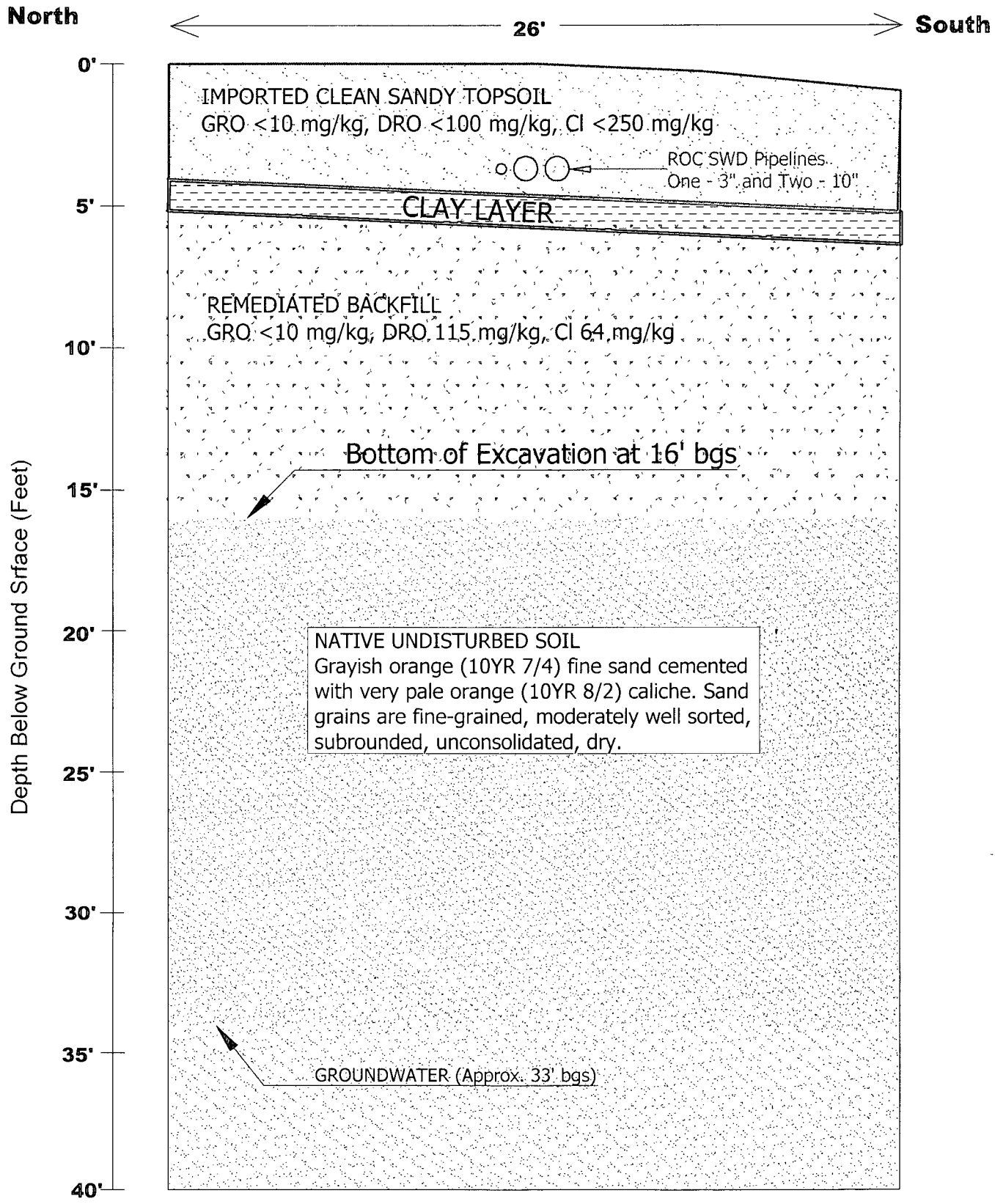
Sample Identification	Sample Date	Amount (yd^3)	OVM (ppm)	Chloride (ppm)	GRO (mg/kg)	DRO (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)
Floor	12/27/06	N/A	141	656	213	1209	0.016	0.034	0.117	0.363
Four Walls	12/27/06	N/A	45	432	15	514	<0.005	<0.005	0.017	0.006
Remediated Backfill	12/29/06	400	10	64	<10	115	<0.005	<0.005	<0.005	<0.015

On January 11, 2007, the NMOCD approved ROC's request to backfill the excavation based on the actions and findings described above. Figure 3 depicts the North-South cross-sectional profile of the excavation after backfilling with clean blended soil, a clay layer, and fresh topsoil, which was completed on January 18, 2007.

On April 10, 2007, ROC re-seeded a 9,000 ft^2 area at the site with a blend of native grass seed using a seed drill. A list of the seed blends and amounts used is included in Appendix F.

On April 11, 2007, and May 7, 2007, the seeded area was watered and the site is being monitored for growth. Several photographs of the activities referenced above are included in Appendix B.

NORTH-SOUTH CROSS-SECTIONAL PROFILE



TRIDENT ENVIRONMENTAL	EME P-6 Release Site (AP-45) T20S - R37E - Section 6 - Unit P RICE Operating Company	FIGURE 3 BACKFILL DIAGRAM

6.0 GROUNDWATER QUALITY

6.1 MONITORING PROGRAM

On July 18 and 19, 2006, two additional monitoring wells (P6-3 and P6-4) were installed in accordance with the Stage 1 and 2 Abatement Plan and NMOCD conditions to the minor amendment. Approval for access was not granted by the landowner to install an offsite, cross-gradient monitoring well (P6-5) located approximately 200 feet east of monitoring well P6-1; however it is not needed since sufficient evidence has been provided to support the conclusion that the elevated chloride and TDS concentrations in the groundwater at the site are the result of regional upgradient sources. A site map showing monitoring wells associated with the P-6 Release site is depicted in Figure 4. The site map also includes an offsite, downgradient well located approximately 500 feet southeast of monitoring well P6-1 at a neighboring site being monitored by ROC (EME M-5 SWD). Various photos of the well installations are included in Appendix B.

Monitoring wells P6-1, P6-2, P6-3, P6-4, and M5-1 have been sampled on a quarterly basis for major ions, TDS, and BTEX. NMOCD approved ROC's request to suspend BTEX analysis for P6-1 and P6-2 due to non-detectable readings for over well over 8 consecutive quarters.

A summary of historical analytical results and groundwater elevations is listed in Table 2. The water table elevations, direction of groundwater flow, and analytical results for the most recent monitoring event conducted on June 6, 2007, are also depicted in Figure 4. A copy of the laboratory analytical report and chain of custody form for the most recent ground water sampling event is included in Appendix E.

6.2 HYDROCARBONS IN GROUNDWATER

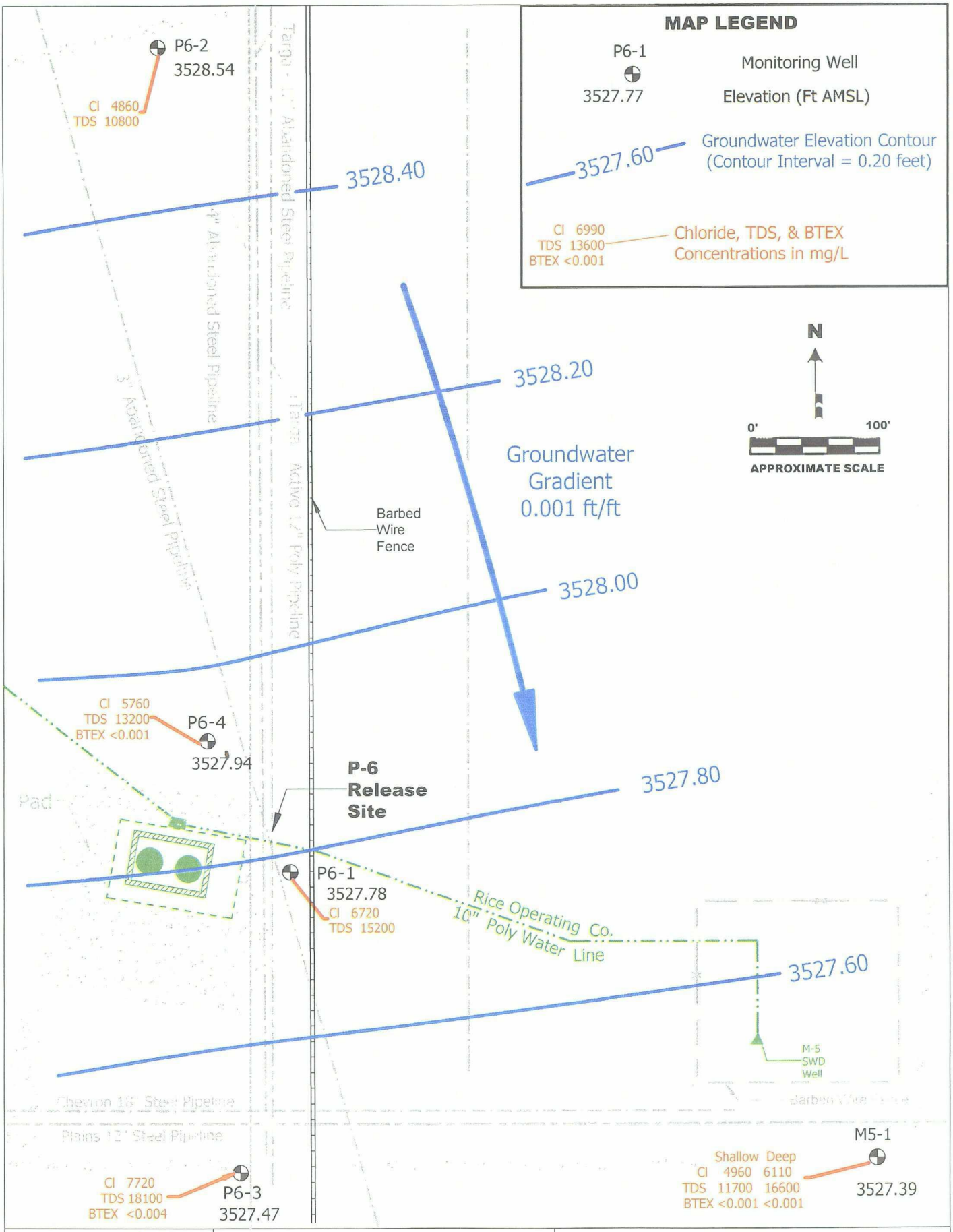
BTEX concentrations in monitoring wells P6-1, P6-2, and M5-1 have been below the New Mexico Water Control Commission (WQCC) standards for each constituent and for every sampling event. After 3 quarterly sampling events for recently installed monitoring wells P6-3 and P6-4, the BTEX concentrations have also been below WQCC standards for each constituent, with the exception of P6-3 during the November 9, 2006 sampling event; however, BTEX concentrations in P6-3 have since returned to levels below WQCC standards.

6.3 OTHER CONSTITUENTS OF CONCERN

Chloride and TDS concentrations at the EME P-6 Release Site exceed WQCC standards; however they are at lower levels as compared to the regionally impacted groundwater in this area of Monument NM. A water well (NMSEO File No. L-3810) which is out of service (no submersible pump or windmill) is being used as a groundwater monitoring point for the J. R. Phillips No. 2 Tank Battery Site (NMOCD File No. 1R0255). This well is located

approximately ¾ mile northwest, upgradient from the EME P-6 Release Site. Based on laboratory analyses of groundwater samples obtained on June 6, 2007 (Appendix E), the chloride (10,100 mg/L) and TDS (23,000 mg/L) concentrations in this well are representative of the regionally-impaired groundwater and far exceed those observed at the EME P-6 Release Site.

Although there have been some minor fluctuations, chloride and TDS concentrations in all on site monitoring wells exhibit a decreasing trend since monitoring began in 2002.



TRIDENT ENVIRONMENTAL

EME P-6 Release Site (AP-45)
T20S - R37E - Section 6 - Unit P
RICE Operating Company

FIGURE 4
GROUNDWATER GRADIENT AND
CHLORIDE, TDS, & BTEX
CONCENTRATION MAP
JUNE 6, 2007

Table 2: Summary of Groundwater Monitoring Results

Monitoring Well	Sample Date	Chloride (mg/L)	TDS (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethyl-benzene (mg/L)	Xylenes (mg/L)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet AMSL)
P6-1	01/10/02	**10,700**	**20,248**	< 0.002	< 0.002	< 0.002	< 0.006	36.70	3522.39
	05/14/02	**8,060**	**18,200**	< 0.001	< 0.001	< 0.001	< 0.001	36.73	3522.36
	08/15/02	**9,570**	**16,900**	< 0.001	< 0.001	< 0.001	< 0.001	36.95	3522.14
	11/06/02	**9,040**	**17,400**	< 0.001	< 0.001	< 0.001	< 0.001	37.15	3521.94
	02/27/03	**8,860**	**15,000**	< 0.001	< 0.001	< 0.001	< 0.001	37.12	3521.97
	05/29/03	**8,680**	**20,000**	< 0.001	< 0.001	< 0.001	< 0.001	37.19	3521.90
	08/21/03	**8,860**	**17,800**	< 0.001	< 0.001	< 0.001	< 0.001	37.43	3521.66
	11/19/03	**8,690**	**18,500**	< 0.001	< 0.001	< 0.001	< 0.001	37.64	3521.45
	02/20/04	**8,510**	**16,600**	< 0.001	< 0.001	< 0.001	< 0.001	37.84	3521.25
	05/06/04	**8,510**	**17,400**	< 0.001	< 0.001	< 0.001	< 0.001	37.36	3521.73
	08/10/04	**9,040**	**17,200**	< 0.001	< 0.001	< 0.001	< 0.001	37.03	3522.06
	11/09/04	**9,130**	**17,600**	< 0.001	< 0.001	< 0.001	< 0.001	36.28	3522.81
	02/07/05	**8,210**	**17,800**	< 0.001	< 0.001	< 0.001	< 0.001	33.54	3525.55
	05/03/05	**7,090**	**19,300**	< 0.001	< 0.001	< 0.001	< 0.001	32.76	3526.33
	08/11/05	**9,210**	**16,600**	< 0.001	< 0.001	< 0.001	< 0.001	32.81	3526.28
	11/28/05	**7,580**	**14,700**	< 0.001	< 0.001	< 0.001	< 0.001	32.81	3526.28
	02/20/06	**7,510**	**15,500**	< 0.001	< 0.001	< 0.001	< 0.001	32.43	3526.66
	05/16/06	**8,160**	**15,600**	< 0.001	< 0.001	< 0.001	< 0.001	32.44	3526.65
	08/23/06	**7,370**	**12,900**	< 0.001	< 0.001	< 0.001	< 0.001	32.96	3526.13
	11/09/06	**6,700**	**13,200**	---	---	---	---	31.98	3527.11
	02/28/07	**6,930**	**14,900**	---	---	---	---	31.32	3527.77
	06/06/07	**6,720**	**15,200**	---	---	---	---	31.31	3527.78
P6-2	02/20/04	**9,040**	**19,700**	< 0.001	< 0.001	< 0.001	< 0.001	37.97	3521.73
	05/06/04	**8,330**	**16,100**	< 0.001	< 0.001	< 0.001	< 0.001	37.29	3522.41
	08/10/04	**8,240**	**15,400**	< 0.001	< 0.001	< 0.001	< 0.001	36.97	3522.73
	11/09/04	**7,670**	**15,700**	< 0.001	< 0.001	< 0.001	< 0.001	35.83	3523.87
	02/07/05	**7,030**	**15,300**	< 0.001	< 0.001	< 0.001	< 0.001	32.76	3526.94
	05/03/05	**6,050**	**14,100**	< 0.001	< 0.001	< 0.001	< 0.001	32.29	3527.41
	08/11/05	**7,540**	**14,300**	< 0.001	< 0.001	< 0.001	< 0.001	32.62	3527.08
	11/28/05	**7,660**	**9,170**	< 0.001	< 0.001	< 0.001	< 0.001	32.62	3527.08
	02/20/06	**5,620**	**12,600**	< 0.001	< 0.001	< 0.001	< 0.001	32.42	3527.28
	05/16/06	**6,290**	**11,400**	< 0.001	< 0.001	< 0.001	< 0.001	32.50	3527.20
	08/23/06	**5,490**	**9,850**	< 0.001	< 0.001	< 0.001	< 0.001	33.03	3526.67
	11/09/06	**4,860**	**9,850**	---	---	---	---	31.79	3527.91
	02/28/07	**4,890**	**9,390**	---	---	---	---	31.17	3528.53
	06/06/07	**4,860**	**10,800**	---	---	---	---	31.16	3528.54

Table 2: Summary of Groundwater Monitoring Results (Continued)

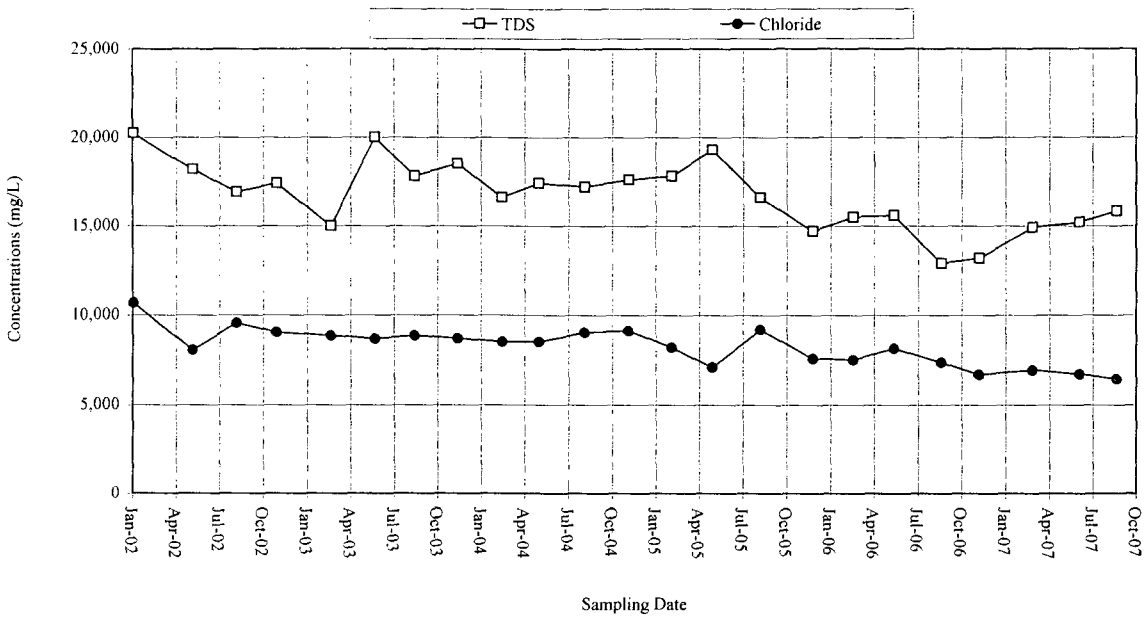
Monitoring Well	Sample Date	Chloride (mg/L)	TDS (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethyl-benzene (mg/L)	Xylenes (mg/L)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet AMSL)
P6-3	08/23/06	**8,300**	**13,100**	< 0.001	< 0.001	< 0.001	< 0.001	34.19	3525.89
	11/09/06	**7,520**	**14,100**	0.013	0.001	0.003	< 0.001	33.32	3526.76
	02/28/07	**7,690**	**13,500**	< 0.001	< 0.001	< 0.001	< 0.001	32.62	3527.46
	06/06/07	**7,720**	**18,100**	< 0.001	0.002	< 0.001	0.001	32.61	3527.47
P6-4	08/23/06	**6,750**	**13,400**	< 0.001	< 0.001	< 0.001	< 0.001	33.29	3526.21
	11/09/06	**6,070**	**11,900**	< 0.001	< 0.001	< 0.001	< 0.001	32.23	3527.27
	02/28/07	**6,080**	**12,100**	< 0.001	< 0.001	< 0.001	< 0.001	31.57	3527.93
	06/06/07	**5,760**	**13,200**	< 0.001	< 0.001	< 0.001	< 0.001	31.56	3527.94
M5-1 (shallow)	12/11/03	**6,198**	**10,784**	< 0.002	< 0.002	< 0.002	< 0.006	33.28	---
	02/20/04	**5,320**	**14,500**	< 0.002	< 0.002	< 0.002	< 0.006	33.37	3521.04
	05/06/04	**5,940**	**12,400**	< 0.002	< 0.002	< 0.002	< 0.006	32.79	3521.62
	08/10/04	**6,910**	**17,300**	< 0.001	< 0.001	< 0.001	< 0.001	32.52	3521.89
	11/09/04	**7,090**	**14,000**	< 0.001	< 0.001	< 0.001	< 0.001	31.63	3522.78
	02/07/05	**6,710**	**13,200**	< 0.001	< 0.001	< 0.001	< 0.001	28.85	3525.56
	05/03/05	**6,560**	**16,500**	< 0.001	< 0.001	< 0.001	< 0.001	28.10	3526.31
	08/13/05	**6,070**	**13,800**	< 0.001	< 0.001	< 0.001	< 0.001	28.24	3526.17
	11/28/05	**4,500**	**12,300**	< 0.001	< 0.001	< 0.001	< 0.001	28.24	3526.17
	02/20/06	**5,660**	**12,400**	< 0.001	< 0.001	< 0.001	< 0.001	27.25	3527.16
	05/16/06	**7,870**	**14,300**	< 0.001	< 0.001	< 0.001	< 0.001	27.81	3526.60
	08/23/06	**6,160**	**11,800**	< 0.001	< 0.001	< 0.001	< 0.001	28.34	3526.07
	11/10/06	**5,840**	**10,500**	< 0.001	< 0.001	< 0.001	< 0.001	27.39	3527.02
	02/28/07	**5,000**	**10,000**	< 0.001	< 0.001	< 0.001	< 0.001	27.39	3527.02
	06/07/07	**4,960**	**11,700**	< 0.001	< 0.001	< 0.001	< 0.001	26.53	3527.88
M5-1 (deep)	12/11/03	**6,198**	**11,736**	< 0.002	< 0.002	< 0.002	< 0.006	33.40	3521.11
	11/28/05	**5,590**	**11,400**	< 0.001	< 0.001	< 0.001	< 0.001	28.10	3526.41
	02/20/06	**6,830**	**14,400**	< 0.001	< 0.001	< 0.001	< 0.001	27.87	3526.64
	05/16/06	**7,000**	**13,100**	< 0.001	< 0.001	< 0.001	< 0.001	27.81	3526.70
	08/23/06	**7,100**	**14,100**	< 0.001	< 0.001	< 0.001	< 0.001	28.44	3526.07
	11/10/06	**5,840**	**12,000**	< 0.001	< 0.001	< 0.001	< 0.001	27.49	3527.02
	02/28/07	**6,000**	**12,000**	< 0.001	< 0.001	< 0.001	< 0.001	27.49	3527.02
	06/07/07	**6,110**	**16,600**	< 0.001	< 0.001	< 0.001	< 0.001	27.14	3527.83
L-3810	06/06/07	**10,100**	**23,000**	---	---	---	---	29.41	3533.13
WQCC Standards		250	1,000	0.01	0.75	0.75	0.62		

Total Dissolved Soilds (TDS), chloride, and BTEX concentrations listed in milligrams per liter (mg/L)

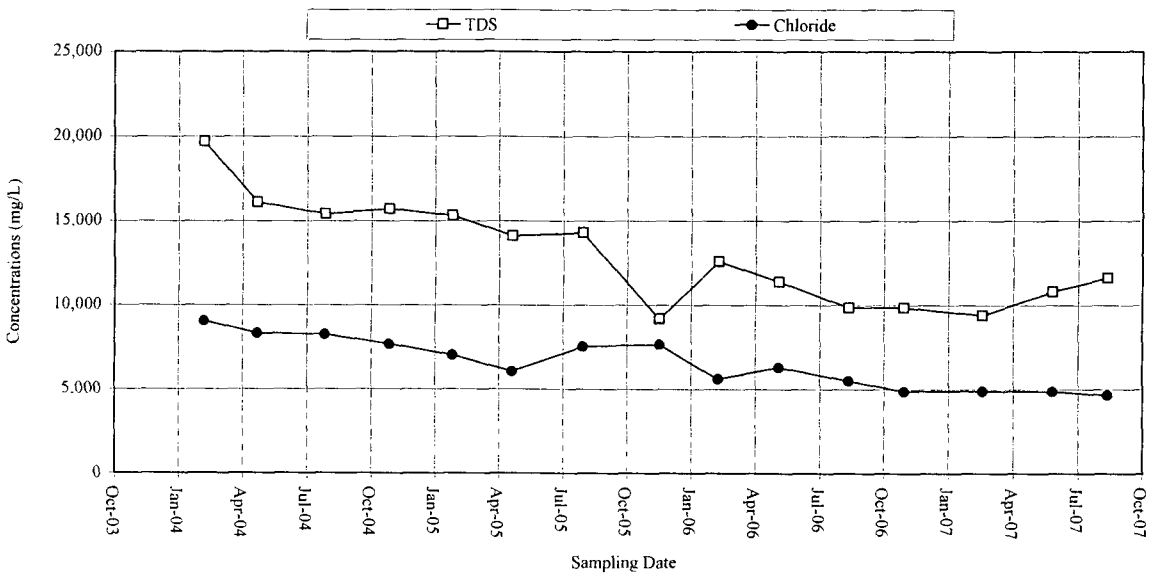
Values in boldface type indicate concentrations exceed New Mexico Water Quality Commission (WQCC) standards.

--- Indicates monitoring well not analyzed for this constituent.

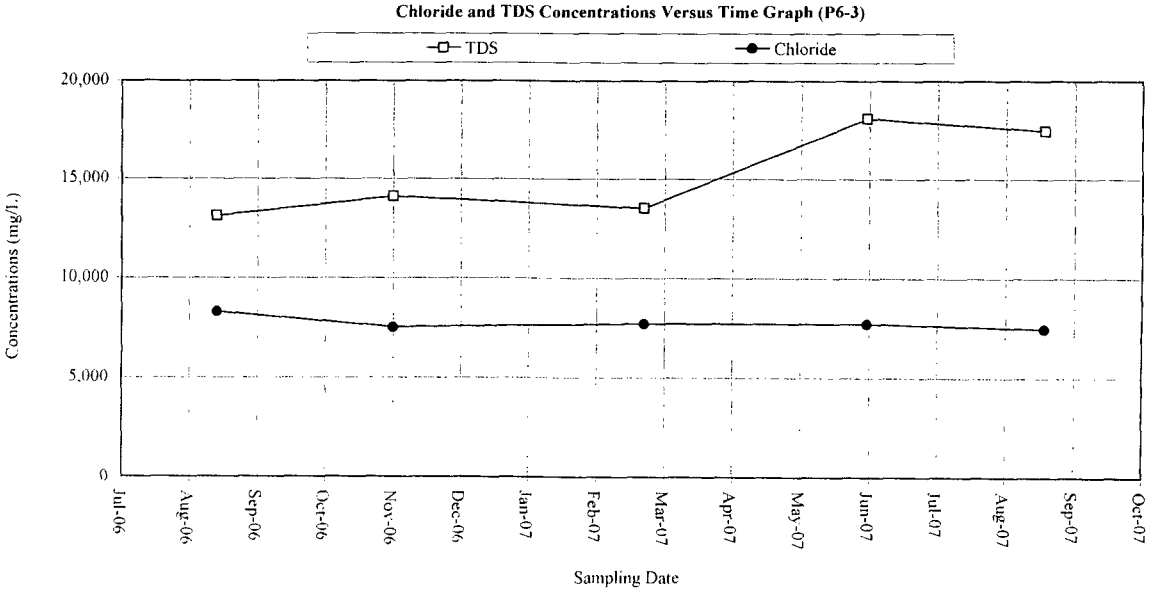
Chloride and TDS Concentrations Versus Time Graph (P6-1)



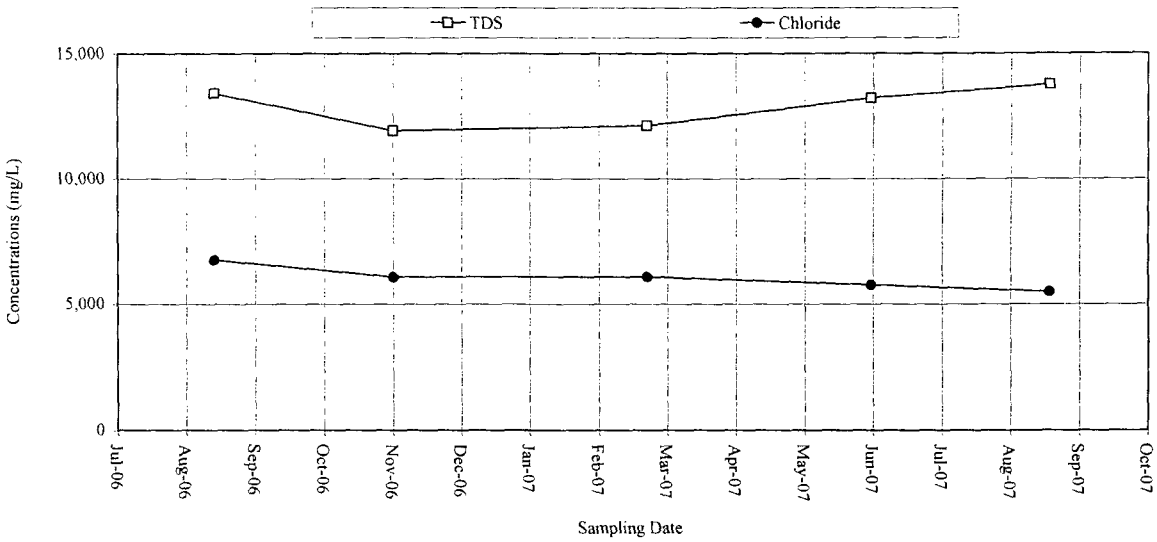
Chloride and TDS Concentrations Versus Time Graph (P6-2)



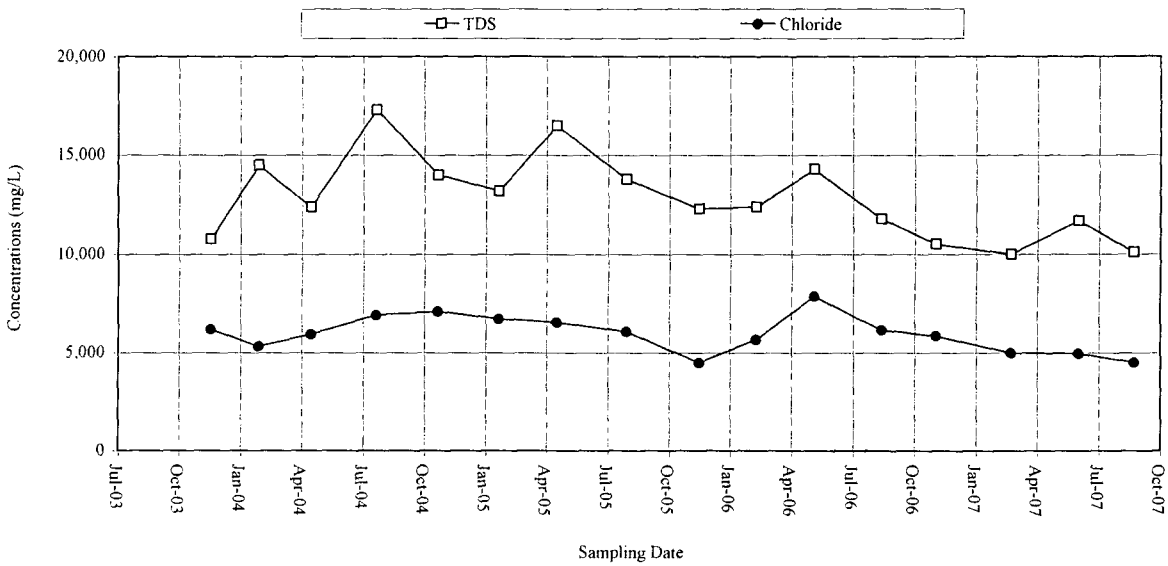
Chloride and TDS Concentrations Versus Time Graph (P6-3)



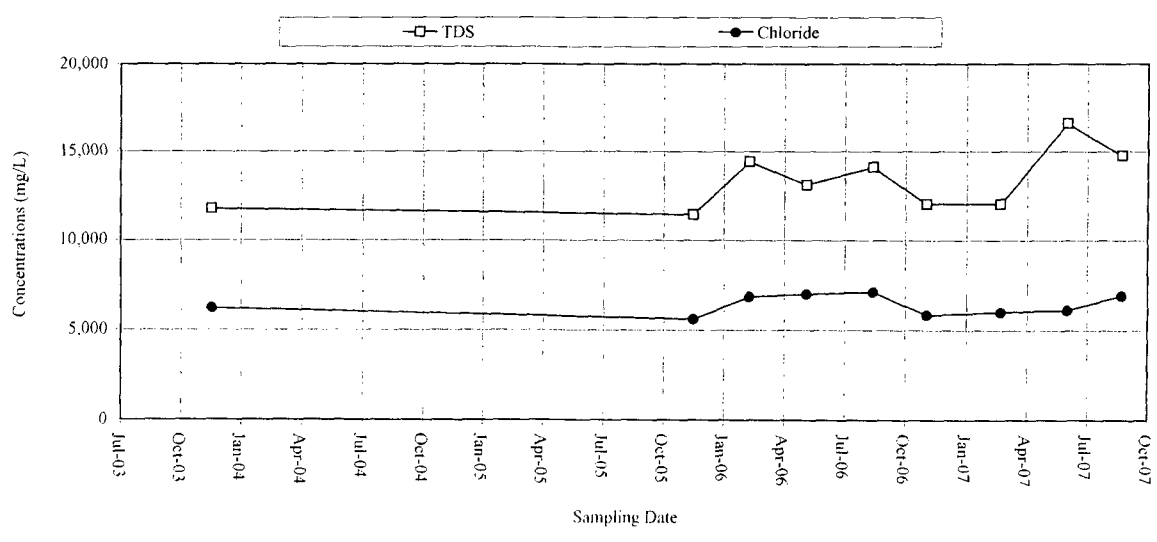
Chloride and TDS Concentrations Versus Time Graph (P6-4)



Chloride and TDS Concentrations Versus Time Graph (M5-1 Shallow)



Chloride and TDS Concentrations Versus Time Graph (M5-1 Deep)



7.0 CLOSURE AND PROPOSED SCHEDULE OF ACTIVITIES

The following corrective actions taken at the EME P-6 Release site have provided for protection of the groundwater environment:

- Replacement of former 10-inch A/C line with poly line
- Excavation and removal of 168 yd^3 of hydrocarbon-impacted soil
- Excavation, remediation, and blending of approximately 400 yd^3 of lesser impacted soil was used as backfill and had a chloride concentration of only 64 mg/kg, a TPH level of 115 mg/kg, and BTEX concentrations below 0.005 mg/kg.
- Installation of a clay layer to minimize infiltration through the vadose zone.
- Placement of clean topsoil and application of native seed to encourage re-vegetation.

Vadose zone delineation activities from 13 trenched sample locations within the impacted area during earlier investigations have shown that the chloride concentration averaged only 340 mg/kg. Based on those findings it is evident that the chloride load in the vadose zone is at a level too low to suggest any significant contribution to the chloride concentrations observed in the groundwater at the site.

Groundwater in this area of Monument, New Mexico, has been reported as regionally impacted with chlorides and unusable as early as 1952 (Nicholson and Clebsch, Groundwater Report 6). Evidence of potential upgradient offsite sources, onsite groundwater monitoring, and vadose zone characterization support the conclusion that the elevated chloride and TDS concentrations in the groundwater at the site are the result of off-site sources and/or historical regional groundwater impairment.

We propose to continue sampling monitoring wells P6-1, P6-2, P6-3, and P6-4. In addition, vegetation will be monitored for growth and amendments added if necessary. If quarterly sampling results continue to support the conclusions described above, and vegetation improves at its natural rate, a request for closure of the Rule 19 regulatory file associated with this site will be submitted to the NMOCD in the first quarter of 2008.

APPENDIX A

NMOCD
CORRESPONDENCE

From: "Hansen, Edward J., EMNRD" <edwardj.hansen@state.nm.us>
To: "Gilbert Van Deventer" <gilbertvandeventer@cox.net>; "Kristin Pope" <kpope@riceswd.com>
Cc: "Carolyn Haynes" <chaynes@riceswd.com>; "Price, Wayne, EMNRD" <wayne.price@state.nm.us>
Subject: RE: EME P-6 (AP-45)
Date: Thursday, January 11, 2007 4:14 PM

Dear Mr. Van Deventer and Ms. Pope:

The NMOCD has reviewed the submitted data for the above referenced site. The NMOCD hereby approves proceeding with the proposed backfilling activities as reference below.

Also, please be advised that NMOCD approval of these activities does not relieve the owner/operator of responsibility should operations pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD approval does not relieve the owner/operator of responsibility for compliance with any OCD, federal, state, or local laws and/or regulations.

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

Edward J. Hansen
Hydrologist
Environmental Bureau

From: Gilbert Van Deventer [mailto:gilbertvandeventer@cox.net]
Sent: Tuesday, January 09, 2007 2:56 PM
To: Price, Wayne, EMNRD
Cc: Hansen, Edward J., EMNRD; Kristin Pope; Carolyn Haynes
Subject: Re: EME P-6 (AP-45)

Wayne

We have completed the excavation activities at the EME P-6 Line Leak Site (AP-45) in accordance with the Stage 1&2 Abatement plan and your conditions to the minor amendment as copied below. The final size of the excavation is approximately 26 ft wide by 26 ft long by 16 ft deep which resulted in a total of approximately 400 cubic yards of soil. Of that total, 156 cubic yards of the more highly impacted excavated soil was transported to Cell C-1 at the South Monument Landfarm. The remaining excavated soil was spread out on site and was later blended with clean topsoil (dune sand) imported from the South Monument Landfarm. I was told by Kena Kay Cooper that her topsoil is the same soil that was used for the new racetrack (Zia Park) in Hobbs. The sampling procedures for the wall and floor samples were conducted in a manner consistent with the compositing protocol used by Rice Operating for typical junction box closure sites. Laboratory analytical results are summarized in the table below.

Sample Identification	Sample Date	Amount (yd3)	OVM (ppm)	Chloride (ppm)	GRO (mg/kg)	DRO (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)
Floor	12/27/06	N/A	141	656	213	1209	0.016	0.034	0.117	0.363
Four Wall	12/27/06	N/A	45	432	15	514	<0.005	<0.005	0.017	0.006
Excavated Soil	12/22/06	168	874	336	1401	4134	<0.020	1.66	4.2	15.64
Remediated Soil	12/29/06	400	10	64	<10	115	<0.005	<0.005	<0.005	<0.015

A diagram showing the North-South cross-sectional profile of the proposed backfill procedure is attached for your review. Various photos of the activities and lab reports are attached as well. We now seek your approval to begin backfilling with the remediated soil and overlay it with a clay layer and topsoil.

Thanks - Gil

Gilbert J. Van Deventer, PG, REM
Trident Environmental
www.trident-environmental.com <http://www.trident-environmental.com/>
Work/Mobile: 432-638-8740
Fax: 413-403-9968
Home: 432-682-0727

From: "Price, Wayne, EMNRD" <wayne.price@state.nm.us>
To: "Gilbert Van Deventer" <gilbertvandeventer@cox.net>
Cc: "Carolyn Haynes" <chaynes@riceswd.com>; "Kristin Pope" <kpope@riceswd.com>
Subject: RE: EME P-6 (AP-45)
Date: Wednesday, July 12, 2006 4:46 PM

Approved!

From: Gilbert Van Deventer [mailto:gilbertvandeventer@cox.net]
Sent: Wednesday, July 12, 2006 3:11 PM
To: Price, Wayne, EMNRD
Cc: Carolyn Haynes; Kristin Pope
Subject: Re: EME P-6 (AP-45)

Wayne

Since it is on Jimmy Cooper property that additional monitoring well (P6-5 200 ft east) will require negotiation for access. To date Rice has had much trouble reaching agreement with Cooper and his attorneys for access on several sites. That area is also hard accessing due to deep sand. Per our conversation today we will proceed on a forward path and install the 2 MWs (P6-3 and P6-4) as proposed and we will update you as to the status of acquiring access for the subject well (P6-5) east of the site.

Proof of public notice was submitted on 01/30/06 and is attached.

Thank you,
Gil

Gilbert J. Van Deventer, PG, REM, NMCS
R. T. Hicks Consultanyts, Ltd.
Work/Mobile: 432-638-8740
Fax: 413-403-9968
Home: 432-682-0727

----- Original Message -----
From: Price, Wayne, EMNRD <mailto:wayne.price@state.nm.us>
To: Price, Wayne, EMNRD <mailto:wayne.price@state.nm.us> ; Gilbert Van Deventer <mailto:gilbertvandeventer@cox.net> ; Kristin Farris Pope <mailto:kpriceswd@valornet.com> ; Carolyn Doran Haynes <mailto:cdhriceswd@valornet.com>
Cc: Johnson, Larry, EMNRD <mailto:larry.johnson@state.nm.us>
Sent: Wednesday, July 12, 2006 2:32 PM
Subject: RE: EME P-6 (AP-45)

Please note, OCD Santa Fe does not have a copy of the Public Notice for the P-6 Leak site. Please forward ASAP for out files.

----- Original Message -----
From: Price, Wayne, EMNRD <mailto:wayne.price@state.nm.us>
To: Gilbert Van Deventer <mailto:gilbertvandeventer@cox.net>
Cc: Johnson, Larry, EMNRD <mailto:larry.johnson@state.nm.us>
Sent: Wednesday, July 12, 2006 12:22 PM
Subject: RE: EME P-6 (AP-45)

OCD hereby approves of the Stage 1 & 2 plans with the following additional conditions:

1. One additional monitoring well named P6-5 shall be installed 200 feet due east of P-6-1.
2. Monitor wells P-1,2,3,4,5 and M5-1 shall be sampled and analyzed for BTEX and general chemistry. If BTEX is non-detect then OCD will considered eliminating this parameter in the future if no free oil is present.
3. All saturated or grossly contaminated soils and soils greater than 10,000 mg/kg shall be disposed of off-site at an OCD approved facility.
4. All soils remediated on site shall be in a maximum of 8 inch lifts, watered, properly tilled, amendments added if needed (fertilizer) and managed to prevent contamination run-off. Blending of soils will not be allowed until remedied soils demonstrate that the GRO component is essentially zero.
5. All remediated soils, remediated area soils, backfill soils, bottom hole and side wall soils shall be sampled and analyzed for TPH, BTEX and chlorides using approved EPA methods.
6. OCD shall review all analytical results and issue approval before excavated area is backfilled.
7. All soils used to backfill on top of the ET cap shall be clean native soils to support re-vegetation.
7. ROC shall submit an interim closure report to include the following:

   a. All groundwater and soil results, photos, plot

plan with sample points indicated, groundwater gradient map, and any other pertinent information.

b. Permission to backfill.

c. A re-vegetation, groundwater monitoring and active restoration plan for OCD approval.

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

From: Gilbert Van Deventer [mailto:gilbertvandeventer@cox.net]
Sent: Monday, July 10, 2006 2:26 PM
To: Price, Wayne, EMNRD
Subject: Fw: EME P-6 (AP-45)

We are scheduled to do some drilling at the N-5 and K-6 sites starting next week. Was hoping to hear your response and approval for the P-6 site as requested on June 27th so that we could use the same drillers to install 2 MWs at P-6. Otherwise it's real hard to schedule them until a much later date.

Thanks,

Gil

Gilbert J. Van Deventer, PG, REM, NMCS
R. T, Hicks Consulting, Ltd.
Work/Mobile: 432-638-8740
Fax: 413-403-9968
Home: 432-682-0727

----- Original Message -----
From: Gilbert Van Deventer <mailto:gilbertvandeventer@cox.net>
To: Price, Wayne, EMNRD <mailto:wayne.price@state.nm.us>
Sent: Tuesday, June 27, 2006 10:19 AM
Subject: Re: EME P-6 (AP-45)

Hello Wayne. Per your request and comments in your email on May 26, 2006, ROC proposes the following minor modifications to the P-6 Stage 1 Abatement Plan:

Stage 1 (investigation). ROC proposes to install additional monitoring wells at the P-6 Line Leak Site as follows:

* one upgradient (~165 ft NE of P6-1 monitoring well), and

* one downgradient (~220 ft south of P6-1 monitoring well)

Since there already is a monitoring well cluster at the M-5 SWD site located approximately 500 ft downgradient (southeast) of the P6-1 monitoring well we see no need for another downgradient well in that direction. Access for a drill rig in any other areas near this site is extremely difficult due to the presence of dunes and would be detrimental to the existing vegetation and landscape if an attempt were to be made. ROC has had bad experience moving heavy equipment in this area and has even had dozers get stuck in the sand. A site map is attached showing the proposed locations of the 2 monitoring wells. The additional wells as proposed, and the installation of monitoring wells for two nearby sites (K-6 and N-5) that are in the Stage 1 Abatement Plan process will provide the necessary data for full characterization.

Stage 2 (abatement). With regard to soil excavation, remediation, backfilling and disposal, ROC proposes the following:

Excavated soil with total TPH (GRO+DRO) greater than 10,000 mg/kg will be transported to an NMOCD-approved facility for disposal. Excavated soil with TPH above 1,000 mg/kg but less than 10,000 mg/kg) will be remediated on site by spreading on the surface no deeper than 18-inches thick to allow aeration and then blending them with native soil prior to use as backfill. After excavating the impacted area to a depth of 12 feet, soils with a total TPH (GRO + DRO) of less than 1,000 mg/kg and chloride concentrations less than 750 mg/kg will be used as backfill to a depth of no more than 5 feet below ground surface. Current field sampling results indicate chloride concentrations no greater than 750 mg/kg at 12 ft below ground surface. A 10-12 inch thick uncompacted clay layer, will be installed five feet below ground surface. An uncompacted clay layer is preferred over a compacted layer so as to promote a more efficient evapotransporation barrier. Above the clay layer, remediated soil with total TPH and chloride concentrations less than 1,000 mg/kg will be used as backfill and contoured to match the surrounding terrain.

On June 7th, ROC received approval from the BLM for site access and monitoring well installations at the nearby K-6 and N-5 sites so it would be convenient to include the P-6 investigation at the same time a drill rig is scheduled for all 3 sites (week of July 17th). With your concurrence of the actions proposed above ROC is ready to proceed. Please contact Kristin Pope at 505-393-9174 or myself at 432-638-8740, if you have any questions regarding this minor modification.

Sincerely,

Gilbert J. Van Deventer, PG, REM
R. T. Hicks Consultants Ltd.
Work/Mobile: 432-638-8740
Fax: 413-403-9968
Home: 432-682-0727

----- Original Message -----
From: Price, Wayne, EMNRD
<mailto:wayne.price@state.nm.us>
To: Kristin Pope <mailto:kpope@riceswd.com>
Cc: gil@rthicksconsult.com ; Carolyn Haynes
<mailto:cdhriceswd@valornet.com> ; Johnson, Larry, EMNRD
<mailto:larry.johnson@state.nm.us>
Sent: Friday, May 26, 2006 4:04 PM
Subject: RE: EME P-6 (AP-45)

The Rice Operating Company (ROC) stage 1 & 2 plan dated July 12, 2005 for the EME P-6 line leak site is deficient in the following areas:

Stage 1 (investigation). There is only one on-site monitor well. Please submit a plan to have at least three more monitor wells installed that are closer to the site. One of the wells shall be located approximately 100 feet up-gradient of the original spill site. The previous information submitted shows a large variance in the area groundwater gradient. This may be due to the fact the wells proposed are to far apart. There were no local iso-concentration maps provided to identify the chloride(TDS) plume.

Stage 2 (abatement). The excavation plan section 7.1 page 9 does not provide definitive information on excavation and disposal. The last sentence reads 'Soil with GRO or DRO levels above 1000 mg/kg shall be hauled to an NMOCD-approved facility or remediated on site."

ROC did not provide a detail explanation of what soils will be disposed of off-site and what soils will be remediated. There is no explanation on how the soils will be remediated. On Page 10 one sentence reads " The backfill (above and below the clay liner) will be composed of blended or remediated soil that will support vegetation". ROC did not provide any documentation of what levels of constituents will be present in the soils above and below the liner.

Please submit a modified plan within 30 days and proof of public notice.

From: Kristin Pope [mailto:kpope@riceswd.com]
Sent: Wednesday, May 24, 2006 10:08 AM
To: Price, Wayne, EMNRD
Cc: gil@rthicksconsult.com; Carolyn Haynes
Subject: EME P-6 (AP-45)

Wayne,

At our last meeting on March 30 in Hobbs, you reviewed the Stage 1&2 Abatement Plan for the EME P-6 Release Site (AP-45) submitted by Gil Van Deventer. At that meeting, you said that you'd like to review the submission in depth and also involve the District 1 office. Can you give us any feedback yet? Thanks.

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

Confidentiality Notice: This e-mail, including all attachments is for the sole use of the intended recipient(s) and may contain confidential and privileged information. Any unauthorized review, use, disclosure or distribution is prohibited unless specifically provided under the New Mexico Inspection of Public Records Act. If you are not the intended recipient, please contact the sender and destroy all copies of this message. -- This email has been scanned by the Sybari - Antigen Email System.

APPENDIX B

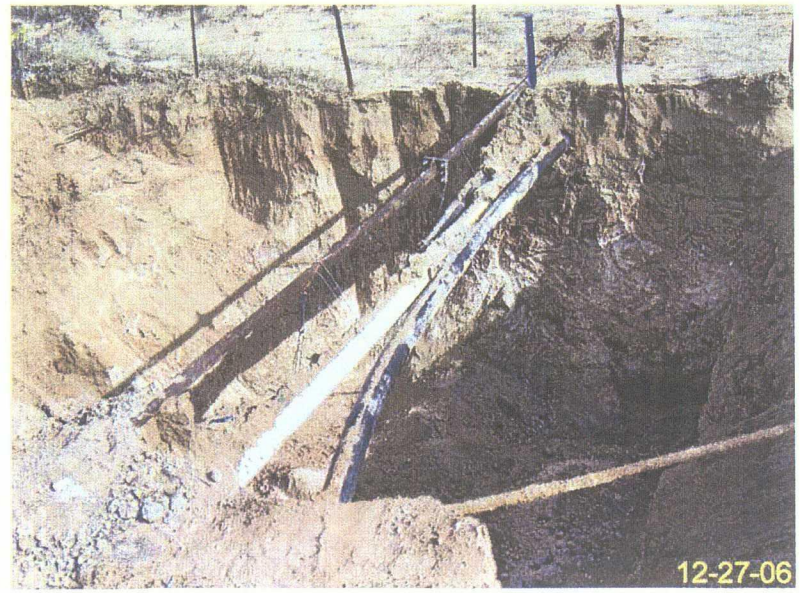
PHOTO-DOCUMENTATION

EME P-6 Line Leak Site (AP-45)

View facing north showing recently completed installation of downgradient monitoring well P6-3.

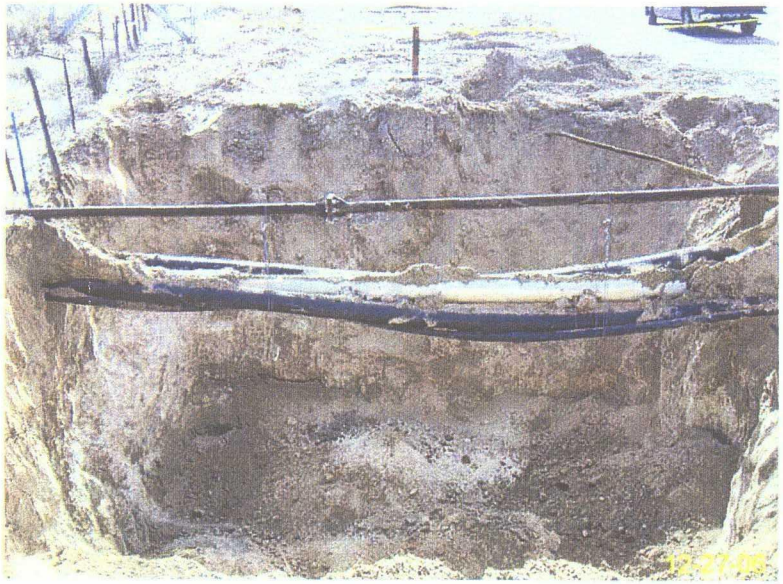
View facing northwest showing drilling activities for upgradient monitoring well P6-4.

View of west wall of excavation.

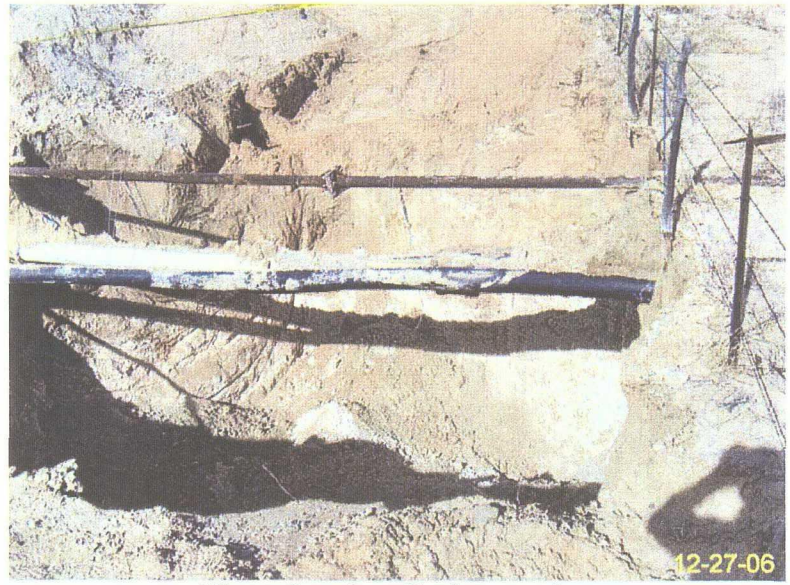


View of east wall of excavation.

EME P-6 Line Leak Site (AP-45)



View of south wall of excavation.



View of north wall of excavation.

View facing northeast showing floor of excavation (16 feet below ground surface).

View facing south showing backfilling and tamping of blended soil on south side of excavation.

EME P-6 Line Leak Site (AP-45)

View facing south showing completion of lower backfill layer (blended soil) on south side of excavation.

View facing north showing clay tamping activity on north side of excavation.

View facing north showing completion of 1-foot clay layer and density testing.

View facing north showing completion of excavation and backfilling activities.

EME P-6 Line Leak Site (AP-45)

View facing south showing seed drilling activities (04/10/2007).

View facing northeast showing watering activity.

Close-up view showing early healthy growth of grass seed mix.

View facing northwest showing early growth of grass seed mix.

APPENDIX C

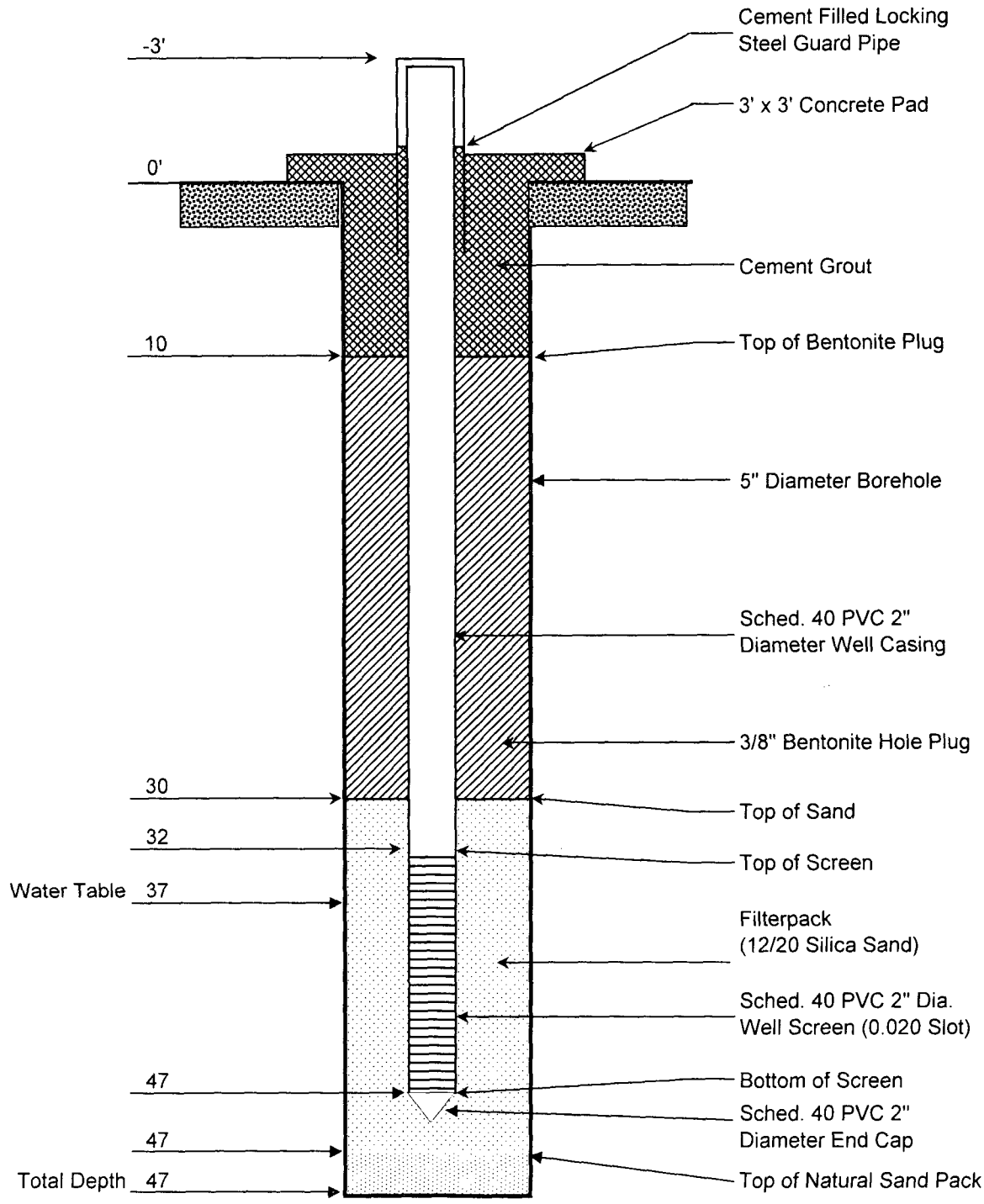
LITHOLOGIC LOGS

AND

MONITORING WELL CONSTRUCTION DIAGRAMS

MONITORING WELL CONSTRUCTION DIAGRAM

No lithologic log is available for this monitoring well (not provided by driller).

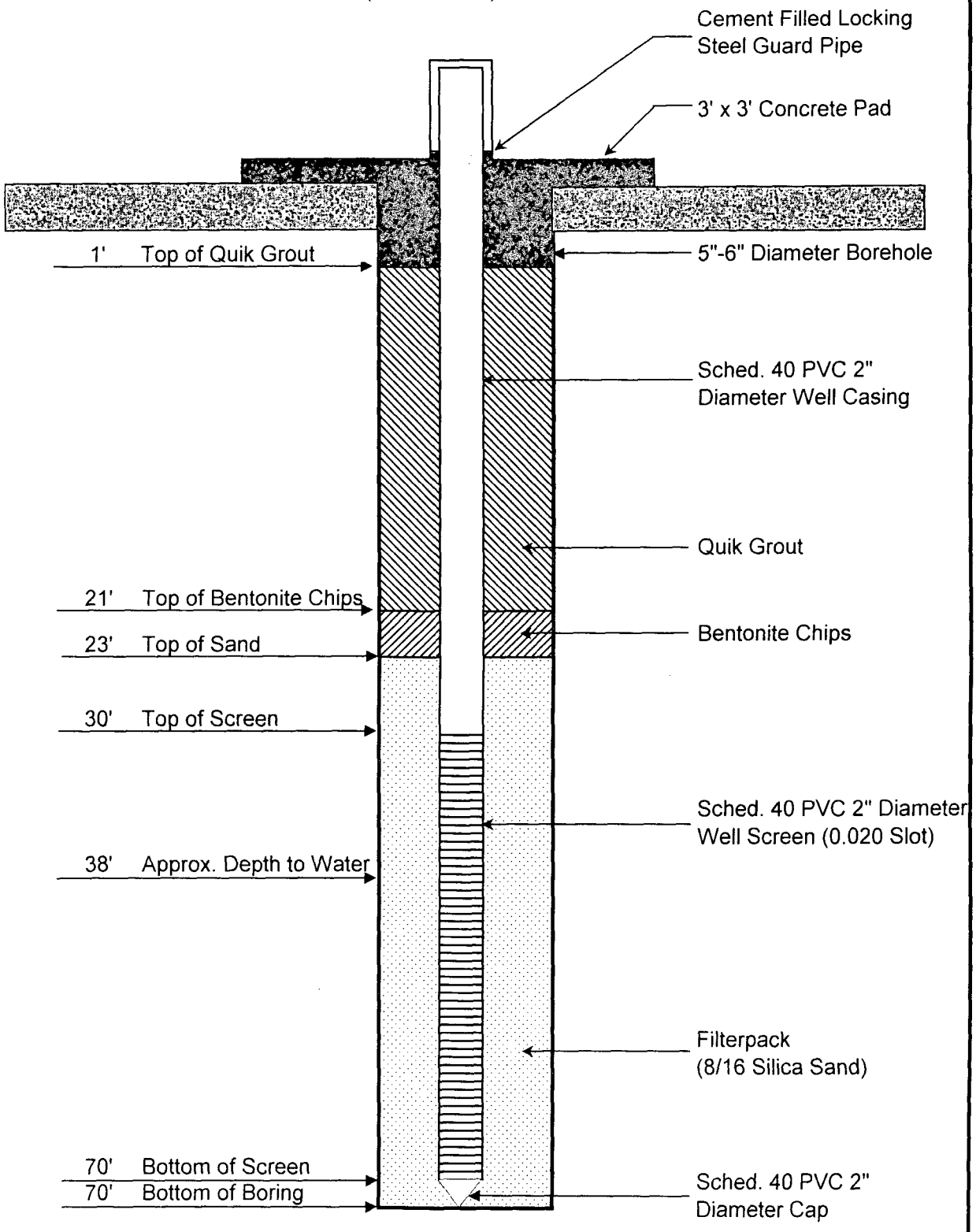


TRIDENT ENVIRONMENTAL	Client:	Rice Operating Company
	Site Name:	EME P-6 Line Leak Site
	Completion Date	January 10, 2002
	Supervisor:	Donnie Anderson

P6-1
Monitoring Well
Construction Diagram

MONITORING WELL CONSTRUCTION DIAGRAM

(Not to Scale)



TRIDENT ENVIRONMENTAL	Client:	Rice Operating Company
	Site Name:	EME P-6 Line Leak Site
	Completion Date:	February 17, 2004
	On Site Geologist:	Gil Van Deventer

P6-2
Monitoring Well
Construction Diagram

TRIDENT ENVIRONMENTAL

PO BOX 7624
MIDLAND, TEXAS 79708

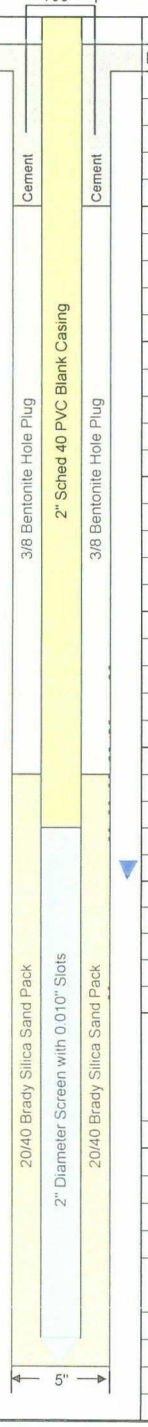
MONITOR WELL NO.:	P6-2	TOTAL DEPTH:	70 Feet
SITE ID:	EME P-6	CLIENT:	Rice Operating Company
SURFACE ELEVATION:	3557.0	COUNTY:	Lea
CONTRACTOR:	Atkins Engineering Associates Inc.	STATE:	New Mexico
DRILLING METHOD:	Hollow Stem Auger	LOCATION:	T20S-R37E-Sec 6-Unit P
START DATE:	02/17/04	FIELD REP.:	G. Van Deventer
COMPLETION DATE:	02/17/04		
COMMENTS:	Located 637 ft north-northwest of P6-1.		

LITH.	USCS	Sample Depth	Sample Time	Sample Type	Chloride (ppm)	LITHOLOGIC DESCRIPTION: LITHOLOGY, COLOR, GRAIN SIZE, SORTING, ROUNDING, CONSOLIDATION, DISTINGUISHING
			1130	Surface		
	SM/CL	5	1135	Split Spoon (4'-6')	108	Silty and very fine grained loamy sand, with caliche in matrix. Sand is moderate brown (5 YR 4/4), moderately well sorted with subrounded grains. Caliche is very pale orange (10YR 8/2), soft to slightly hard, and fills voids and small fractures within sand matrix. 80% sand, 20%
		10	1140	Split Spoon (9'-10')	177	Silty fine grained sand, with caliche in matrix. Sand is moderate brown (5 YR 4/4), moderately well sorted with subrounded grains. Caliche is very pale orange (10YR 8/2), soft to slightly hard, and fills voids and small fractures within sand matrix. 60% sand, 40% caliche
		15	1148	Split Spoon (14'-16')	580	Same as above
	CAL					Hard caliche layer at 17 ft
	SM/CL	20	1153	Split Spoon (19'-21')	174	Silty fine grained sand, with caliche in matrix. Sand is light brown (5 YR 6/4), moderately well sorted with subrounded grains. Caliche is moderate pale orange (5YR 8/4), soft to slightly hard, and fills voids and small fractures within sand matrix. 50% sand, 50% caliche
		25	1200	Split Spoon (19'-21')	393	Fine grained sand, with some clay and caliche in matrix. Sand is moderate brown (5 YR 4/4), moderately well sorted with subrounded grains. 80% sand, 10% clay, and 10% caliche
	CAL/SM	30	1212	Split Spoon (29'-31')	954	Caliche and sand. Sand is fine-grained, light brown (5 YR 6/4), moderately well sorted with subrounded grains. Caliche is moderate pale orange (5YR 8/4), soft. 90% caliche, 10% sand.
		35 ▼	1223	Split Spoon (34'-36')	757	Caliche and clayey sand. Sand is fine-grained, light brown (5 YR 6/4), moderately well sorted with subrounded grains. Caliche is moderate pale orange (5YR 8/4), moderately hard. 70% caliche, 15% sand, and Groundwater encountered at approximately 37 ft below ground Hard gravelly sand at groundwater interface.
	SM/CL	40	1228	Cuttings		Fine grained sand with clay and caliche in matrix. Sand is moderate brown (5 YR 4/4), moderately well sorted with subrounded grains. 50% sand, 30% caliche, and 20% clay
		45	1236	Cuttings		Same as above
		50	1241	Cuttings		Same as above
		55	1246	Cuttings		Same as above
		60	1252	Cuttings		Same as above
	CL	65	1300	Cuttings		Sandy clay. Clay is pale yellowish brown (10YR 6/2) with high plasticity. 70% clay, 30% sand
	CH	70	1319	Cuttings		Clay, moderately brown (5YR 4/4) with high plasticity. "Triassic redbed"
						Bottom of boring at 70 ft below ground surface.

LITHOLOGIC LOG AND MONITORING WELL CONSTRUCTION DIAGRAM

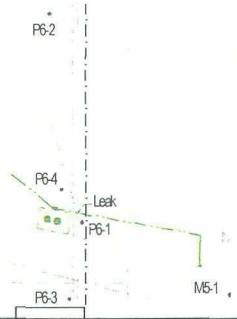
MONITOR WELL NO.: P6-3
SITE ID: EME P-6 Line Leak
CONTRACTOR: Harrison & Cooper, Inc.
DRILLING METHOD: Air Rotary
START DATE: 07/19/06
COMPLETION DATE: 07/19/06
COMMENTS: Monitoring well located approx 240 feet south of P-6 line leak location and 58 ft west of fenceline..

TOTAL DEPTH: 48 Feet
CLIENT: RICE *Operating Company*
COUNTY: Lea
STATE: New Mexico
LOCATION: T20S - R37E - Sec 6 - Unit P
FIELD REP.: G. Van Deventer



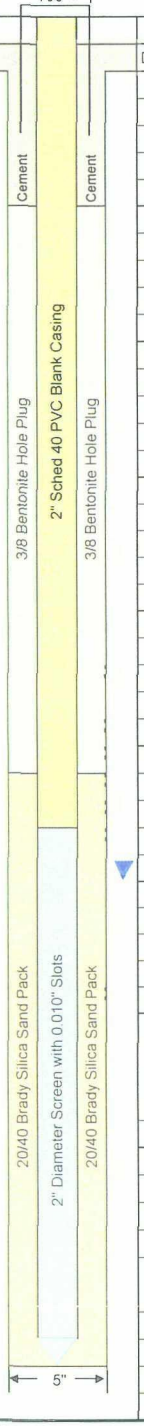
Sample Depth	Sample Time	Sample Type	Chloride (ppm)	PID (ppm)	USCS	LITHOLOGIC DESCRIPTION: LITHOLOGY, COLOR, GRAIN SIZE, SORTING, ROUNDING, CONSOLIDATION, DISTINGUISHING FEATURES
		Surface			SW	Dark yellowish orange (10 YR 6/6) sandy loam, dune sand, fine-grained, well-sorted, subrounded grains, unconsolidated, dry
5	1300	Cuttings	86	0	SM	Dark yellowish orange (10 YR 6/6) and grayish orange (10YR 7/4) sand. Sand grains are very fine- to fine-grained, moderately well sorted, subrounded, unconsolidated, dry.
10	1305	Cuttings	115	0		Light brown (5 YR 5/6) and pale yellowish brown (10YR 6/2) sand. Sand grains are very fine- to fine-grained, moderately well sorted, subrounded, unconsolidated, dry.
15	1310	Cuttings	111	0		Light brown (5 YR 5/6) and grayish orange (10YR 7/4) sand. Sand grains are very fine- to fine-grained, moderately well sorted, subrounded, unconsolidated, dry.
20	1315	Cuttings	111	0	SM/CAL	Grayish orange (10YR 7/4) fine sand with very pale orange (10YR 8/2) indurated caliche in matrix. Sand grains are fine-grained, moderately well sorted, subrounded, unconsolidated, dry.
25	1320	Cuttings	272	0	SM	Light brown (5 YR 5/6) sand. Sand grains are very fine- to fine-grained, moderately well sorted, subrounded, unconsolidated, dry.
30	1325	Cuttings	571	0		Moist at 30 feet (groundwater)
35	1330	Cuttings			SM/CAL	Grayish orange (10YR 7/4) fine sand with very pale orange (10YR 8/2) calcium carbonate in matrix. Sand grains are very fine-grained, moderately well sorted, subrounded, unconsolidated, dry.
40	1335					Grayish orange (10YR 7/4) fine sand with very pale orange (10YR 8/2)calcium carbonate in matrix. Sand grains are very fine-grained, moderately well sorted, subrounded, unconsolidated, dry.
45	1340					Grayish orange (10YR 7/4) fine sand with very pale orange (10YR 8/2)calcium carbonate in matrix. Sand grains are very fine-grained, moderately well sorted, subrounded, unconsolidated, dry.
	1345					
50						Bottom of boring at 48 ft below ground surface.

LITHOLOGIC LOG AND MONITORING WELL CONSTRUCTION DIAGRAM



MONITOR WELL NO.: P6-4
SITE ID: EME P-6 Line Leak
CONTRACTOR: Harrison & Cooper, Inc.
DRILLING METHOD: Air Rotary
START DATE: 07/19/06
COMPLETION DATE: 07/19/06
COMMENTS: Monitoring well located approx 100 feet north of P-6 line leak location and 90 ft west of fenceline..

TOTAL DEPTH: 48 Feet
CLIENT: RICE *Operating Company*
COUNTY: Lea
STATE: New Mexico
LOCATION: T20S - R37E - Sec 6 - Unit P
FIELD REP.: G. Van Deventer



Sample Depth	Sample Time	Sample Type	Chloride (ppm)	PID (ppm)	USCS	LITHOLOGIC DESCRIPTION: LITHOLOGY, COLOR, GRAIN SIZE, SORTING, ROUNDING, CONSOLIDATION, DISTINGUISHING FEATURES
		Surface			SW	Grayish orange (10YR 7/4) sandy loam, dune sand, fine-grained, well-sorted, subrounded grains, unconsolidated, dry
5	1450	Cuttings	87	7	SM	Grayish orange (10YR 7/4) sand. Sand grains are very fine- to fine-grained, moderately well sorted, subrounded, unconsolidated, dry.
10	1452	Cuttings	55	0		Light brown (5 YR 5/6) sand. Sand grains are very fine- to fine-grained, moderately well sorted, subrounded, unconsolidated, dry.
15	1455	Cuttings	55	6	SM/CAL	Grayish orange (10YR 7/4) fine sand with very pale orange (10YR 8/2) calcium carbonate in matrix. Sand grains are fine-grained, moderately well sorted, subrounded, unconsolidated, dry. Calcium carbonate is finely dissemniated, soft to slightly hard.
20	1458	Cuttings	85	0		Grayish orange (10YR 7/4) fine sand cemented with very pale orange (10YR 8/2) indurated caliche in matrix. Sand grains are fine-grained, moderately well sorted, subrounded, unconsolidated, dry.
25	1510	Cuttings	229	0		Grayish orange (10YR 7/4) fine sand cemented with very pale orange (10YR 8/2) indurated caliche in matrix. Sand grains are fine-grained, moderately well sorted, subrounded, unconsolidated, dry.
30	1520	Cuttings	419	0		Grayish orange (10YR 7/4) fine sand cemented with very pale orange (10YR 8/2) *indurated caliche in matrix*. Sand grains are fine-grained, moderately well sorted, subrounded, unconsolidated, dry. Moist at 30 feet.
35	1525	Cuttings				Grayish orange (10YR 7/4) fine sand with very pale orange (10YR 8/2)calcium carbonate in matrix. Sand grains are very fine-grained, moderately well sorted, subrounded, unconsolidated, dry.
40	1540					Grayish orange (10YR 7/4) fine sand cemented with very pale orange (10YR 8/2) indurated caliche in matrix. Sand grains are fine-grained, moderately well sorted, subrounded, unconsolidated, dry.
45	1545					Grayish orange (10YR 7/4) fine sand cemented with very pale orange (10YR 8/2) indurated caliche in matrix. Sand grains are fine-grained, moderately well sorted, subrounded, unconsolidated, dry.
	1550					
50						Bottom of boring at 48 ft below ground surface.

APPENDIX D

MANIFESTS

Manifest# 12633

SOUTH MONUMENT SURFACE
WASTE FACILITY

LEASE OPERATOR:
RICE OPERATING
122 W. TAYLOR
HOBBS, NM 88240

ORIGINATING LOCATION:
EME – LEAK P-6
UNIT LETTER P
S6T20SR37E

TRANSPORTER NAME & ADDRESS:

DESCRIPTION OF WASTE: *NON-HAZARDOUS HYDRO-CARBONS*

QUANITY: 12 *YDS.*

FACILITY CONTACT: Kena K. Cooper
SIGNATURE OF CONTACT

12-29-06
DATE

CELL NUMBER MATERIAL PLACED IN: C-1
CELL

SIGNATURE OF TRANSPORTER:
x Alfonso Reyes
TRANSPORTER SIGNATURE

12-29-06
DATE

SOUTH MONUMENT SURFACE WASTE FACILITY
P.O. BOX 418
HOBBS, NM 88241-0418

CONTACT:
KENA KAY COOPER
(505) 392-1050 WORK
(505) 390-3665 – CELL

"As a condition of acceptance for disposal, I hereby certify that this waste is an exempt waste as defined by the Environmental Protection Agency (EPA). The waste are: generated from oil and gas exploration and production operations; exempt from Resource Conservation and Recovery Act (RCRA) Subtitle C Regulations: and not mixed with non-exempt waste."

Kena K. Cooper
FACILITY REPRESENTATIVE

12-29-06
DATE

Manifest# 12634

SOUTH MONUMENT SURFACE
WASTE FACILITY

LEASE OPERATOR:
RICE OPERATING
122 W. TAYLOR
HOBBS, NM 88240

ORIGINATING LOCATION:
EME – LEAK P-6
UNIT LETTER P
S6T20SR37E

TRANSPORTER NAME & ADDRESS:

DESCRIPTION OF WASTE: **QUANITY:**

NON-HAZARDOUS HYDRO-CARBONS 1 *YDS.*

FACILITY CONTACT:

Kena K Cooper
SIGNATURE OF CONTACT

12-29-06
DATE

CELL NUMBER MATERIAL PLACED IN: C-1
CELL

SIGNATURE OF TRANSPORTER:

x Alfonso Baeza
TRANSPORTER SIGNATURE

12-29-06
DATE

SOUTH MONUMENT SURFACE WASTE FACILITY
P.O. BOX 418
HOBBS, NM 88241-0418

CONTACT:
KENA KAY COOPER
(505) 392-1050 WORK
(505) 390-3665 – CELL

"As a condition of acceptance for disposal, I hereby certify that this waste is an exempt waste as defined by the Environmental Protection Agency (EPA). The waste are: generated from oil and gas exploration and production operations: exempt from Resource Conservation and Recovery Act (RCRA) Subtitle C Regulations: and not mixed with non-exempt waste."

Kena K Cooper
FACILITY REPRESENTATIVE

12-29-06
DATE

Manifest# 12655

SOUTH MONUMENT SURFACE
WASTE FACILITY

LEASE OPERATOR:
RICE OPERATING
122 W. TAYLOR
HOBBS, NM 88240

ORIGINATING LOCATION:
EME – LEAK P-6
UNIT LETTER P
S6T20SR37E

TRANSPORTER NAME & ADDRESS:

DESCRIPTION OF WASTE:

NON-HAZARDOUS HYDRO-CARBONS

QUANITY:

12 *YDS.*

FACILITY CONTACT:

x Kena K. Cooper
SIGNATURE OF CONTACT

12-29-06
DATE

CELL NUMBER MATERIAL PLACED IN:

C-1
CELL

SIGNATURE OF TRANSPORTER:

x Alfonso Brooks
TRANSPORTER SIGNATURE

12-29-06
DATE

SOUTH MONUMENT SURFACE WASTE FACILITY
P.O. BOX 418
HOBBS, NM 88241-0418

CONTACT:
KENA KAY COOPER
(505) 392-1050 WORK
(505) 390-3665 – CELL

"As a condition of acceptance for disposal, I hereby certify that this waste is an exempt waste as defined by the Environmental Protection Agency (EPA). The waste are: generated from oil and gas exploration and production operations; exempt from Resource Conservation and Recovery Act (RCRA) Subtitle C Regulations; and not mixed with non-exempt waste."

x Kena K. Cooper
FACILITY REPRESENTATIVE

12-29-06
DATE

Manifest# 12636

SOUTH MONUMENT SURFACE
WASTE FACILITY

LEASE OPERATOR:
RICE OPERATING
122 W. TAYLOR
HOBBS, NM 88240

ORIGINATING LOCATION:
EME – LEAK P-6
UNIT LETTER P
S6T20SR37E

TRANSPORTER NAME & ADDRESS:

DESCRIPTION OF WASTE: *NON-HAZARDOUS HYDRO-CARBONS*

QUANITY: 12 *YDS.*

FACILITY CONTACT:
Kena L. Cooper
SIGNATURE OF CONTACT

12-29-06
DATE

CELL NUMBER MATERIAL PLACED IN: C-1
CELL

SIGNATURE OF TRANSPORTER:
x Alfonso Baeza
TRANSPORTER SIGNATURE

12-29-06
DATE

SOUTH MONUMENT SURFACE WASTE FACILITY
P.O. BOX 418
HOBBS, NM 88241-0418

CONTACT:
KENA KAY COOPER
(505) 392-1050 WORK
(505) 390-3665 – CELL

"As a condition of acceptance for disposal, I hereby certify that this waste is an exempt waste as defined by the Environmental Protection Agency (EPA). The waste are: generated from oil and gas exploration and production operations; exempt from Resource Conservation and Recovery Act (RCRA) Subtitle C Regulations; and not mixed with non-exempt waste."

Kena L. Cooper
FACILITY REPRESENTATIVE

12-29-06
DATE

Manifest# 12637

SOUTH MONUMENT SURFACE
WASTE FACILITY

LEASE OPERATOR:
RICE OPERATING
122 W. TAYLOR
HOBBS, NM 88240

ORIGINATING LOCATION:
EME – LEAK P-6
UNIT LETTER P
S6T20SR37E

TRANSPORTER NAME & ADDRESS:

DESCRIPTION OF WASTE: *NON-HAZARDOUS HYDRO-CARBONS*

QUANITY: 12 *YDS.*

FACILITY CONTACT:
Kena K Cooper
SIGNATURE OF CONTACT

12-29-06
DATE

CELL NUMBER MATERIAL PLACED IN: C-1
CELL

SIGNATURE OF TRANSPORTER:
x Alfonso Baeza
TRANSPORTER SIGNATURE

12-29-06
DATE

SOUTH MONUMENT SURFACE WASTE FACILITY
P.O. BOX 418
HOBBS, NM 88241-0418

CONTACT:
KENA KAY COOPER
(505) 392-1050 WORK
(505) 390-3665 – CELL

"As a condition of acceptance for disposal, I hereby certify that this waste is an exempt waste as defined by the Environmental Protection Agency (EPA). The waste are: generated from oil and gas exploration and production operations; exempt from Resource Conservation and Recovery Act (RCRA) Subtitle C Regulations; and not mixed with non-exempt waste."

Kena K Cooper
FACILITY REPRESENTATIVE

12-29-06
DATE

Manifest# 12638

SOUTH MONUMENT SURFACE
WASTE FACILITY

LEASE OPERATOR:
RICE OPERATING
122 W. TAYLOR
HOBBS, NM 88240

ORIGINATING LOCATION:
EME – LEAK P-6
UNIT LETTER P
S6T20SR37E

TRANSPORTER NAME & ADDRESS:

DESCRIPTION OF WASTE: *NON-HAZARDOUS HYDRO-CARBONS*

QUANITY: 12 *YDS.*

FACILITY CONTACT:
Kena Cooper
SIGNATURE OF CONTACT

1/2/07
DATE

CELL NUMBER MATERIAL PLACED IN: C-1
CELL

SIGNATURE OF TRANSPORTER:
x Alfonso Baeza
TRANSPORTER SIGNATURE

1/2/07
DATE

SOUTH MONUMENT SURFACE WASTE FACILITY
P.O. BOX 418
HOBBS, NM 88241-0418

CONTACT:
KENA KAY COOPER
(505) 392-1050 WORK
(505) 390-3665 – CELL

"As a condition of acceptance for disposal, I hereby certify that this waste is an exempt waste as defined by the Environmental Protection Agency (EPA). The waste are: generated from oil and gas exploration and production operations: exempt from Resource Conservation and Recovery Act (RCRA) Subtitle C Regulations: and not mixed with non-exempt waste."

Kena Cooper
FACILITY REPRESENTATIVE

1-2-07
DATE

Manifest# 12639

SOUTH MONUMENT SURFACE
WASTE FACILITY

LEASE OPERATOR:
RICE OPERATING
122 W. TAYLOR
HOBBS, NM 88240

ORIGINATING LOCATION:
EME – LEAK P-6
UNIT LETTER P
S6T20SR37E

TRANSPORTER NAME & ADDRESS:

DESCRIPTION OF WASTE:

NON-HAZARDOUS HYDRO-CARBONS

QUANITY:

12 *YDS.*

FACILITY CONTACT:

Kena K. Cooper

SIGNATURE OF CONTACT

1/2/07
DATE

CELL NUMBER MATERIAL PLACED IN:

C-1
CELL

SIGNATURE OF TRANSPORTER:

x Alfonso Baeza

TRANSPORTER SIGNATURE

1/2/07
DATE

SOUTH MONUMENT SURFACE WASTE FACILITY
P.O. BOX 418
HOBBS, NM 88241-0418

CONTACT:
KENA KAY COOPER
(505) 392-1050 WORK
(505) 390-3665 – CELL

"As a condition of acceptance for disposal, I hereby certify that this waste is an exempt waste as defined by the Environmental Protection Agency (EPA). The waste are: generated from oil and gas exploration and production operations; exempt from Resource Conservation and Recovery Act (RCRA) Subtitle C Regulations; and not mixed with non-exempt waste."

Kena K. Cooper

FACILITY REPRESENTATIVE

1-2-07
DATE

Manifest # 8 12640

SOUTH MONUMENT SURFACE
WASTE FACILITY

LEASE OPERATOR:
RICE OPERATING
122 W. TAYLOR
HOBBS, NM 88240

ORIGINATING LOCATION:
EME – LEAK P-6
UNIT LETTER P
S6T20SR37E

TRANSPORTER NAME & ADDRESS:

DESCRIPTION OF WASTE: *NON-HAZARDOUS HYDRO-CARBONS*

QUANITY: 12 *YDS.*

FACILITY CONTACT: Kena K. Cooper
SIGNATURE OF CONTACT

1/2/07
DATE

CELL NUMBER MATERIAL PLACED IN: C-1
CELL

SIGNATURE OF TRANSPORTER:

x Alfonso Reyes
TRANSPORTER SIGNATURE

1/2/07
DATE

SOUTH MONUMENT SURFACE WASTE FACILITY
P.O. BOX 418
HOBBS, NM 88241-0418

CONTACT:
KENA KAY COOPER
(505) 392-1050 WORK
(505) 390-3665 – CELL

"As a condition of acceptance for disposal, I hereby certify that this waste is an exempt waste as defined by the Environmental Protection Agency (EPA). The waste are: generated from oil and gas exploration and production operations: exempt from Resource Conservation and Recovery Act (RCRA) Subtitle C Regulations: and not mixed with non-exempt waste."

Kena K. Cooper
FACILITY REPRESENTATIVE

1-2-07
DATE

Manifest# 12641

SOUTH MONUMENT SURFACE
WASTE FACILITY

LEASE OPERATOR:
RICE OPERATING
122 W. TAYLOR
HOBBS, NM 88240

ORIGINATING LOCATION:
EME – LEAK P-6
UNIT LETTER P
S6T20SR37E

TRANSPORTER NAME & ADDRESS:

DESCRIPTION OF WASTE:

NON-HAZARDOUS HYDRO-CARBONS

QUANITY:

12 *YDS.*

FACILITY CONTACT:

SIGNATURE OF CONTACT

1/7/07
DATE

CELL NUMBER MATERIAL PLACED IN:

C-1
CELL

SIGNATURE OF TRANSPORTER:

x Alfonso Parra
TRANSPORTER SIGNATURE

1/7/07
DATE

SOUTH MONUMENT SURFACE WASTE FACILITY
P.O. BOX 418
HOBBS, NM 88241-0418

CONTACT:
KENA KAY COOPER
(505) 392-1050 WORK
(505) 390-3665 - CELL

"As a condition of acceptance for disposal, I hereby certify that this waste is an exempt waste as defined by the Environmental Protection Agency (EPA). The waste are: generated from oil and gas exploration and production operations: exempt from Resource Conservation and Recovery Act (RCRA) Subtitle C Regulations: and not mixed with non-exempt waste."

FACILITY REPRESENTATIVE

1-2-07
DATE

Manifest # 12642

SOUTH MONUMENT SURFACE
WASTE FACILITY

LEASE OPERATOR:
RICE OPERATING
122 W. TAYLOR
HOBBS, NM 88240

ORIGINATING LOCATION:
EME – LEAK P-6
UNIT LETTER P
S6T20SR37E

TRANSPORTER NAME & ADDRESS:

DESCRIPTION OF WASTE:

NON-HAZARDOUS HYDRO-CARBONS

QUANITY:

12 *YDS.*

FACILITY CONTACT:

x Kena K. Cooper
SIGNATURE OF CONTACT

1/2/07
DATE

CELL NUMBER MATERIAL PLACED IN:

C-1
CELL

SIGNATURE OF TRANSPORTER:

x Alfonso Baeza
TRANSPORTER SIGNATURE

1/2/07
DATE

SOUTH MONUMENT SURFACE WASTE FACILITY
P.O. BOX 418
HOBBS, NM 88241-0418

CONTACT:
KENA KAY COOPER
(505) 392-1050 WORK
(505) 390-3665 – CELL

"As a condition of acceptance for disposal, I hereby certify that this waste is an exempt waste as defined by the Environmental Protection Agency (EPA). The waste are: generated from oil and gas exploration and production operations; exempt from Resource Conservation and Recovery Act (RCRA) Subtitle C Regulations; and not mixed with non-exempt waste."

x Kena K. Cooper
FACILITY REPRESENTATIVE

1-2-07
DATE

Manifest# 12043

SOUTH MONUMENT SURFACE
WASTE FACILITY

LEASE OPERATOR:
RICE OPERATING
122 W. TAYLOR
HOBBS, NM 88240

ORIGINATING LOCATION:
EME – LEAK P-6
UNIT LETTER P
S6T20SR37E

TRANSPORTER NAME & ADDRESS:

DESCRIPTION OF WASTE:

NON-HAZARDOUS HYDRO-CARBONS

QUANITY:

12 *YDS.*

FACILITY CONTACT:

Kena Kay Cooper
SIGNATURE OF CONTACT

1/2/07
DATE

CELL NUMBER MATERIAL PLACED IN:

C-1
CELL

SIGNATURE OF TRANSPORTER:

x Alfonso Baeza
TRANSPORTER SIGNATURE

1/2/07
DATE

SOUTH MONUMENT SURFACE WASTE FACILITY
P.O. BOX 418
HOBBS, NM 88241-0418

CONTACT:
KENA KAY COOPER
(505) 392-1050 WORK
(505) 390-3665 – CELL

"As a condition of acceptance for disposal, I hereby certify that this waste is an exempt waste as defined by the Environmental Protection Agency (EPA). The waste are: generated from oil and gas exploration and production operations: exempt from Resource Conservation and Recovery Act (RCRA) Subtitle C Regulations: and not mixed with non-exempt waste."

Kena Kay Cooper
FACILITY REPRESENTATIVE

1-2-07
DATE

Manifest # 12644

SOUTH MONUMENT SURFACE
WASTE FACILITY

LEASE OPERATOR:
RICE OPERATING
122 W. TAYLOR
HOBBS, NM 88240

ORIGINATING LOCATION:
EME – LEAK P-6
UNIT LETTER P
S6T20SR37E

TRANSPORTER NAME & ADDRESS:

DESCRIPTION OF WASTE: *NON-HAZARDOUS HYDRO-CARBONS*

QUANITY: 12 *YDS.*

FACILITY CONTACT:

Eric A. Cooper
SIGNATURE OF CONTACT

1/7/07
DATE

CELL NUMBER MATERIAL PLACED IN: C-1
CELL

SIGNATURE OF TRANSPORTER:

x [illegible]
TRANSPORTER SIGNATURE

1/7/07
DATE

SOUTH MONUMENT SURFACE WASTE FACILITY
P.O. BOX 418
HOBBS, NM 88241-0418

CONTACT:
KENA KAY COOPER
(505) 392-1050 WORK
(505) 390-3665 – CELL

"As a condition of acceptance for disposal, I hereby certify that this waste is an exempt waste as defined by the Environmental Protection Agency (EPA). The waste are: generated from oil and gas exploration and production operations; exempt from Resource Conservation and Recovery Act (RCRA) Subtitle C Regulations; and not mixed with non-exempt waste."

Eric A. Cooper
FACILITY REPRESENTATIVE

1-2-07
DATE

Manifest # 12645

SOUTH MONUMENT SURFACE
WASTE FACILITY

LEASE OPERATOR:
RICE OPERATING
122 W. TAYLOR
HOBBS, NM 88240

ORIGINATING LOCATION:
EME – LEAK P-6
UNIT LETTER P
S6T20SR37E

TRANSPORTER NAME & ADDRESS:

DESCRIPTION OF WASTE: **QUANITY:**

NON-HAZARDOUS HYDRO-CARBONS 12 *YDS.*

FACILITY CONTACT:

SIGNATURE OF CONTACT *DATE* 1/2/07

CELL NUMBER MATERIAL PLACED IN: C-1
CELL

SIGNATURE OF TRANSPORTER:

x
TRANSPORTER SIGNATURE *DATE* 1/2/07

SOUTH MONUMENT SURFACE WASTE FACILITY
P.O. BOX 418
HOBBS, NM 88241-0418

CONTACT:
KENA KAY COOPER
(505) 392-1050 WORK
(505) 390-3665 – CELL

"As a condition of acceptance for disposal, I hereby certify that this waste is an exempt waste as defined by the Environmental Protection Agency (EPA). The waste are: generated from oil and gas exploration and production operations; exempt from Resource Conservation and Recovery Act (RCRA) Subtitle C Regulations; and not mixed with non-exempt waste."

FACILITY REPRESENTATIVE *DATE* 1-2-07

Manifest# 12646

SOUTH MONUMENT SURFACE
WASTE FACILITY

LEASE OPERATOR:
RICE OPERATING
122 W. TAYLOR
HOBBS, NM 88240

ORIGINATING LOCATION:
EME – LEAK P-6
UNIT LETTER P
S6T20SR37E

TRANSPORTER NAME & ADDRESS:

DESCRIPTION OF WASTE: *NON-HAZARDOUS HYDRO-CARBONS*

QUANITY: 12 *YDS.*

FACILITY CONTACT:
Kena L Cooper
SIGNATURE OF CONTACT

1/2/07
DATE

CELL NUMBER MATERIAL PLACED IN: C-1
CELL

SIGNATURE OF TRANSPORTER:
x Antonio Reyes
TRANSPORTER SIGNATURE

1/2/07
DATE

SOUTH MONUMENT SURFACE WASTE FACILITY
P.O. BOX 418
HOBBS, NM 88241-0418

CONTACT:
KENA KAY COOPER
(505) 392-1050 WORK
(505) 390-3665 - CELL

"As a condition of acceptance for disposal, I hereby certify that this waste is an exempt waste as defined by the Environmental Protection Agency (EPA). The waste are: generated from oil and gas exploration and production operations; exempt from Resource Conservation and Recovery Act (RCRA) Subtitle C Regulations; and not mixed with non-exempt waste."

Kena L Cooper
FACILITY REPRESENTATIVE

1-2-07
DATE

SOUTH MONUMENT SURFACE WASTE FACILITY L.L.C.
P. O. BOX 418
1224 E. CIMARRON
HOBBS NM 88241-0418
505-391-8391

— INVOICE —

INVOICE DATE 1/10/07
INVOICE NUMBER 250
DATE SOLD
SOLD BY KENA KAY COOPER

Customer No: 1845

CUST. P.O. NO.

SOLD TO
RICE OPERATING CORPORATION
122 W. TAYLOR
HOBBS NM 88240

SHIP TO

TERMS NET 30 DAYS
Service charge of 1 1/2% Per Month will be charged on all past due accounts.

Location----------> EME-LEAK P-6 UNIT LETTER P

	DESCRIPTION		AMOUNT
	Ticket # Date Ticket # Date Ticket # Date		
	7002001 1/02/07		
	DISPOSAL OF 168 YARDS NON-HAZARDOUS HYDROCARBONS PLACED IN CELL C-1 AS PER ATTACHED MANIFESTS AND FURNISH 10 - 12 YARD LOADS BACKFILL DIRT.		
	12/29/06 MANIFEST #12633 - #12637 60 YARDS		
	1/02/07 MANIFEST #12638 - #12646 108 YARDS		
168.00	NON-HAZARDOUS HYDROCARBONS	$11.00 /YD	$1848.00
120.00	CLEAN FILL DIRT	$4.00 /YD	$480.00
	Invoice Sub-Total---------->		$2328.00
	Gross Receipts Tax 5.375%---------->		$125.13
	Invoice Total---------->		$2453.13

RECEIVED
JAN 16 2007
RICE OPERATING
HOBBS, NM

COPY

823-9643 = $1947.33
9644 = $505.80

Thank You Kay K. Cooper

APPENDIX E

LABORATORY ANALYTICAL REPORTS

AND

CHAIN OF CUSTODY DOCUMENTATION

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

A Xenco Laboratories Company

Analytical Report

Prepared for:

Kristin Farris-Pope

Rice Operating Co.

122 W. Taylor

Hobbs, NM 88240

Project: EME P-6 Leak

Project Number: None Given

Location: T20S R37E Sec6 P ~ Lea County New Mexico

Lab Order Number: 7F11010

Report Date: 06/27/07

Rice Operating Co.	Project: EME P-6 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
P6-1	7F11010-01	Water	06/06/07 13:15	06-11-2007 16:30
P6-2	7F11010-02	Water	06/06/07 12:30	06-11-2007 16:30
P6-3	7F11010-03	Water	06/06/07 14:45	06-11-2007 16:30
P6-4	7F11010-04	Water	06/06/07 14:00	06-11-2007 16:30

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

Rice Operating Co.	Project: EME P-6 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
P6-3 (7F11010-03) Water									
Benzene	ND	0.00100	mg/L	1	EF71202	06/12/07	06/14/07	EPA 8021B	
Toluene	**0.00201**	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**J [0.000852]**	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*104 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90.2 %*	*80-120*		"	"	"	"	
P6-4 (7F11010-04) Water									
Benzene	ND	0.00100	mg/L	1	EF71202	06/12/07	06/14/07	EPA 8021B	
Toluene	**0.00113**	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*98.4 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89.0 %*	*80-120*		"	"	"	"	

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

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

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

Project: EME P-6 Leak
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
P6-1 (7F11010-01) Water									
Total Alkalinity	**320**	2.00	mg/L	1	EF71403	06/14/07	06/14/07	EPA 310.1M	
Chloride	**6720**	250	"	500	EF71504	06/15/07	06/15/07	EPA 300.0	
Total Dissolved Solids	**15200**	10.0	"	1	EF71519	06/12/07	06/15/07	EPA 160.1	
Sulfate	**1060**	250	"	500	EF71504	06/15/07	06/15/07	EPA 300.0	
P6-2 (7F11010-02) Water									
Total Alkalinity	**290**	2.00	mg/L	1	EF71403	06/14/07	06/14/07	EPA 310.1M	
Chloride	**4860**	100	"	200	EF71504	06/15/07	06/15/07	EPA 300.0	
Total Dissolved Solids	**10800**	10.0	"	1	EF71519	06/12/07	06/15/07	EPA 160.1	
Sulfate	**722**	100	"	200	EF71504	06/15/07	06/15/07	EPA 300.0	
P6-3 (7F11010-03) Water									
Total Alkalinity	**300**	2.00	mg/L	1	EF71403	06/14/07	06/14/07	EPA 310.1M	
Chloride	**7720**	100	"	200	EF71504	06/15/07	06/15/07	EPA 300.0	
Total Dissolved Solids	**18100**	10.0	"	1	EF71519	06/12/07	06/15/07	EPA 160.1	
Sulfate	**907**	100	"	200	EF71504	06/15/07	06/15/07	EPA 300.0	
P6-4 (7F11010-04) Water									
Total Alkalinity	**310**	2.00	mg/L	1	EF71403	06/14/07	06/14/07	EPA 310.1M	
Chloride	**5760**	100	"	200	EF71504	06/15/07	06/15/07	EPA 300.0	
Total Dissolved Solids	**13200**	10.0	"	1	EF71519	06/12/07	06/15/07	EPA 160.1	
Sulfate	**933**	100	"	200	EF71504	06/15/07	06/15/07	EPA 300.0	

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

Rice Operating Co.	Project: EME P-6 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
P6-1 (7F11010-01) Water									
Calcium	**940**	40.5	mg/L	500	EF71902	06/19/07	06/19/07	EPA 6010B	
Magnesium	**346**	3.60	"	100	"	"	"	"	
Potassium	**30.9**	0.600	"	10	"	"	"	"	
Sodium	**2940**	21.5	"	500	"	"	"	"	
P6-2 (7F11010-02) Water									
Calcium	**687**	40.5	mg/L	500	EF71902	06/19/07	06/19/07	EPA 6010B	
Magnesium	**249**	3.60	"	100	"	"	"	"	
Potassium	**27.6**	0.600	"	10	"	"	"	"	
Sodium	**2140**	21.5	"	500	"	"	"	"	
P6-3 (7F11010-03) Water									
Calcium	**1090**	40.5	mg/L	500	EF71902	06/19/07	06/19/07	EPA 6010B	
Magnesium	**348**	3.60	"	100	"	"	"	"	
Potassium	**29.3**	0.600	"	10	"	"	"	"	
Sodium	**3300**	21.5	"	500	"	"	"	"	
P6-4 (7F11010-04) Water									
Calcium	**817**	40.5	mg/L	500	EF71902	06/19/07	06/19/07	EPA 6010B	
Magnesium	**283**	3.60	"	100	"	"	"	"	
Potassium	**30.1**	0.600	"	10	"	"	"	"	
Sodium	**3140**	21.5	"	500	"	"	"	"	

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

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 EF71202 - EPA 5030C (GC)										
Blank (EF71202-BLK1)				Prepared: 06/12/07 Analyzed: 06/13/07						
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	*50.1*		*ug/l*	*50.0*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*47.4*		"	*50.0*		*94.8*	*80-120*			
LCS (EF71202-BS1)				Prepared: 06/12/07 Analyzed: 06/13/07						
Benzene	0.0512	0.00100	mg/L	0.0500		102	80-120			
Toluene	0.0524	0.00100	"	0.0500		105	80-120			
Ethylbenzene	0.0519	0.00100	"	0.0500		104	80-120			
Xylene (p/m)	0.0991	0.00100	"	0.100		99.1	80-120			
Xylene (o)	0.0545	0.00100	"	0.0500		109	80-120			
Surrogate: a,a,a-Trifluorotoluene	*50.6*		*ug/l*	*50.0*		*101*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*51.6*		"	*50.0*		*103*	*80-120*			
Calibration Check (EF71202-CCV1)				Prepared: 06/12/07 Analyzed: 06/14/07						
Benzene	0.0528		mg/L	0.0500		106	80-120			
Toluene	0.0524		"	0.0500		105	80-120			
Ethylbenzene	0.0497		"	0.0500		99.4	80-120			
Xylene (p/m)	0.0942		"	0.100		94.2	80-120			
Xylene (o)	0.0528		"	0.0500		106	80-120			
Surrogate: a,a,a-Trifluorotoluene	*53.9*		*ug/l*	*50.0*		*108*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*49.3*		"	*50.0*		*98.6*	*80-120*			
Matrix Spike (EF71202-MS1)	**Source: 7F08009-05**			Prepared: 06/12/07 Analyzed: 06/14/07						
Benzene	0.0523	0.00100	mg/L	0.0500	ND	105	80-120			
Toluene	0.0533	0.00100	"	0.0500	0.000631	105	80-120			
Ethylbenzene	0.0493	0.00100	"	0.0500	ND	98.6	80-120			
Xylene (p/m)	0.0983	0.00100	"	0.100	ND	98.3	80-120			
Xylene (o)	0.0546	0.00100	"	0.0500	ND	109	80-120			
Surrogate: a,a,a-Trifluorotoluene	*52.9*		*ug/l*	*50.0*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*49.1*		"	*50.0*		*98.2*	*80-120*			

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

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

Project: EME P-6 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 EF71202 - EPA 5030C (GC)										
Matrix Spike Dup (EF71202-MSD1)	**Source: 7F08009-05**			Prepared: 06/12/07 Analyzed: 06/14/07						
Benzene	0.0510	0.00100	mg/L	0.0500	ND	102	80-120	2.90	20	
Toluene	0.0522	0.00100	"	0.0500	0.000631	103	80-120	1.92	20	
Ethylbenzene	0.0507	0.00100	"	0.0500	ND	101	80-120	2.40	20	
Xylene (p/m)	0.0964	0.00100	"	0.100	ND	96.4	80-120	1.95	20	
Xylene (o)	0.0534	0.00100	"	0.0500	ND	107	80-120	1.85	20	
Surrogate: a,a,a-Trifluorotoluene	*51.9*		*ug/l*	*50.0*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*48.2*		*"*	*50.0*		*96.4*	*80-120*			

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

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

Rice Operating Co.	Project: EME P-6 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 EF71403 - General Preparation (WetChem)										
Blank (EF71403-BLK1)				Prepared & Analyzed: 06/14/07						
Total Alkalinity	ND	2.00	mg/L							
LCS (EF71403-BS1)				Prepared & Analyzed: 06/14/07						
Bicarbonate Alkalinity	170	2.00	mg/L	200		85.0	85-115			
Duplicate (EF71403-DUP1)	**Source: 7F11010-01**			Prepared & Analyzed: 06/14/07						
Total Alkalinity	320	2.00	mg/L		320			0.00	20	
Reference (EF71403-SRM1)				Prepared & Analyzed: 06/14/07						
Total Alkalinity	250		mg/L	250		100	90-110			
Batch EF71504 - General Preparation (WetChem)										
Blank (EF71504-BLK1)				Prepared & Analyzed: 06/15/07						
Sulfate	ND	0.500	mg/L							
Chloride	ND	0.500	"							
LCS (EF71504-BS1)				Prepared & Analyzed: 06/15/07						
Sulfate	10.1	0.500	mg/L	10.0		101	80-120			
Chloride	9.83	0.500	"	10.0		98.3	80-120			
Calibration Check (EF71504-CCV1)				Prepared & Analyzed: 06/15/07						
Chloride	9.07		mg/L	10.0		90.7	80-120			
Sulfate	12.0		"	10.0		120	80-120			
Duplicate (EF71504-DUP1)	**Source: 7F11014-01**			Prepared & Analyzed: 06/15/07						
Sulfate	104	12.5	mg/L		104			0.00	20	
Chloride	734	12.5	"		731			0.410	20	

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

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 EF71504 - General Preparation (WetChem)										
Duplicate (EF71504-DUP2)		**Source: 7F11017-01**		Prepared & Analyzed: 06/15/07						
Sulfate	76.7	5.00	mg/L		77.6			1.17	20	
Chloride	67.9	5.00	"		69.9			2.90	20	
Matrix Spike (EF71504-MS1)		**Source: 7F11014-01**		Prepared & Analyzed: 06/15/07						
Chloride	992	12.5	mg/L	250	731	104	80-120			
Sulfate	354	12.5	"	250	104	100	80-120			
Matrix Spike (EF71504-MS2)		**Source: 7F11017-01**		Prepared & Analyzed: 06/15/07						
Sulfate	174	5.00	mg/L	100	77.6	96.4	80-120			
Chloride	168	5.00	"	100	69.9	98.1	80-120			
Batch EF71519 - General Preparation (WetChem)										
Blank (EF71519-BLK1)				Prepared: 06/12/07 Analyzed: 06/15/07						
Total Dissolved Solids	ND	10.0	mg/L							
Duplicate (EF71519-DUP1)		**Source: 7F11009-01**		Prepared: 06/12/07 Analyzed: 06/15/07						
Total Dissolved Solids	24600	10.0	mg/L		23000			6.72	20	
Duplicate (EF71519-DUP2)		**Source: 7F11014-03**		Prepared: 06/12/07 Analyzed: 06/15/07						
Total Dissolved Solids	1380	10.0	mg/L		1340			2.94	20	

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

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

Project: EME P-6 Leak
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

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 EF71902 - 6010B/No Digestion										
Blank (EF71902-BLK1)				Prepared & Analyzed: 06/19/07						
Calcium	ND	0.0810	mg/L							
Magnesium	ND	0.0360	"							
Potassium	ND	0.0600	"							
Sodium	ND	0.0430	"							
Calibration Check (EF71902-CCV1)				Prepared & Analyzed: 06/19/07						
Calcium	2.04		mg/L	2.00		102	85-115			
Magnesium	2.00		"	2.00		100	85-115			
Potassium	2.13		"	2.00		106	85-115			
Sodium	2.04		"	2.00		102	85-115			
Duplicate (EF71902-DUP1)	**Source: 7F11010-01**			Prepared & Analyzed: 06/19/07						
Calcium	956	40.5	mg/L		940			1.69	20	
Magnesium	337	3.60	"		346			2.64	20	
Potassium	29.9	0.600	"		30.9			3.29	20	
Sodium	2970	21.5	"		2940			1.02	20	

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

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

Project: EME P-6 Leak
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Notes and Definitions

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

Report Approved By: _____ Date: 6/27/2007

Brent Barron, Laboratory Director/Corp. Technical Director
Celey D. Keene, Org. Tech Director
Raland K. Tuttle, Laboratory Consultant

James Mathis, QA/QC Officer
Jeanne Mc Murrey, Inorg. Tech Director

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

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

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

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 P-6 Leak

Project #:

Project Loc: T20S R37E Sec6 P - Lea County New Mexico

PO #:

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

(lab use only)

ORDER #: 7F11010

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl (2) 40 ml glass vials	H2SO4	NaOH	Na2S2O3	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 8015B	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	RCI	N.O.R.M.	Total Dissolved Solids			RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
01	P6-1			6/6/2007	13:15		1	X						1		GW			X	X								X				X
02	P6-2			6/6/2007	12:30		1	X						1		GW			X	X								X				X
03	P6-3			6/6/2007	14:45		3	X		2				1		GW			X	X					X			X				X
04	P6-4			6/6/2007	14:00		3	X		2				1		GW			X	X					X			X				X

Special Instructions:

Please email to: kpope@riceswd.com matt@riceswd.com rozanne@valornet.com
jpurvis@riceswd.com

Relinquished by:	Date	Time	Received by:	Date	Time
Rozanne Johnson	6/11/07			6/11/07	14:45
Relinquished by:	Date	Time	Received by:	Date	Time
	6/11/07				
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
				6-11-07	4:30

Laboratory Comments:

Sample Containers Intact?	Y
VOCs Free of Headspace?	Y
Labels on container(s)	Y
Custody seals on container(s)	N
Custody seals on cooler(s)	N
Sample Hand Delivered	N
by Sampler/Client Rep.?	Y
by Courier? UPS DHL FedEx Lone Star	

Temperature Upon Receipt: 5.0 °C

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Rice

Date/ Time: 6.11.07 @ 4.30

Lab ID #: 7E11010

Initials: GL

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	Yes	No	5.0 °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	Subcontract of sample(s)?	Yes	No	Not Applicable	
#20	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

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

A Xenco Laboratories Company

Analytical Report

Prepared for:

Kristin Farris-Pope

Rice Operating Co.

122 W. Taylor

Hobbs, NM 88240

Project: NMOSE L-03810

Project Number: None Given

Location: T20S R37E Sec6 F ~ Lea County New Mexico

Lab Order Number: 7F11009

Report Date: 06/18/07

Rice Operating Co.	Project: NMOSE L-03810	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
L-03810	7F11009-01	Water	06/06/07 13:00	06-11-2007 16:30

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

Rice Operating Co.	Project: NMOSE L-03810	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
L-03810 (7F11009-01) Water									
Chloride	**10100**	250	mg/L	500	EF71504	06/15/07	06/15/07	EPA 300.0	
Total Dissolved Solids	**23000**	10.0	"	1	EF71519	06/12/07	06/15/07	EPA 160.1	

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

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

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

Project: NMOSE L-03810
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 EF71504 - General Preparation (WetChem)										
Blank (EF71504-BLK1)				Prepared & Analyzed: 06/15/07						
Chloride	ND	0.500	mg/L							
LCS (EF71504-BS1)				Prepared & Analyzed: 06/15/07						
Chloride	9.83	0.500	mg/L	10.0		98.3	80-120			
Calibration Check (EF71504-CCV1)				Prepared & Analyzed: 06/15/07						
Chloride	9.07		mg/L	10.0		90.7	80-120			
Duplicate (EF71504-DUP1)		**Source: 7F11014-01**		Prepared & Analyzed: 06/15/07						
Chloride	734	12.5	mg/L		731			0.410	20	
Duplicate (EF71504-DUP2)		**Source: 7F11017-01**		Prepared & Analyzed: 06/15/07						
Chloride	67.9	5.00	mg/L		69.9			2.90	20	
Matrix Spike (EF71504-MS1)		**Source: 7F11014-01**		Prepared & Analyzed: 06/15/07						
Chloride	992	12.5	mg/L	250	731	104	80-120			
Matrix Spike (EF71504-MS2)		**Source: 7F11017-01**		Prepared & Analyzed: 06/15/07						
Chloride	168	5.00	mg/L	100	69.9	98.1	80-120			
Batch EF71519 - General Preparation (WetChem)										
Blank (EF71519-BLK1)				Prepared: 06/12/07 Analyzed: 06/15/07						
Total Dissolved Solids	ND	10.0	mg/L							
Duplicate (EF71519-DUP1)		**Source: 7F11009-01**		Prepared: 06/12/07 Analyzed: 06/15/07						
Total Dissolved Solids	24600	10.0	mg/L		23000			6.72	20	

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

Rice Operating Co.	Project: NMOSE L-03810	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 EF71519 - General Preparation (WetChem)										
Duplicate (EF71519-DUP2)		**Source: 7F11014-03**		Prepared: 06/12/07 Analyzed: 06/15/07						
Total Dissolved Solids	1380	10.0	mg/L		1340			2.94	20	

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

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

Rice Operating Co.	Project: NMOSE L-03810	Fax: (505) 397-1471
122 W. Taylor	Project Number: None Given	
Hobbs NM, 88240	Project Manager: Kristin Farris-Pope	

Notes and Definitions

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

Report Approved By: _____ Date: 6/18/2007

Brent Barron, Laboratory Director/Corp. Technical Director
Celey D. Keene, Org. Tech Director
Raland K. Tuttle, Laboratory Consultant

James Mathis, QA/QC Officer
Jeanne Mc Murrey, Inorg. Tech Director

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

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

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

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: NMOSE L-03810

Project #:

Project Loc: T20S R37E Sec6 F ~ Lea County New Mexico

PO #:

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

(lab use only)

ORDER #: 711009

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None (1) 1 Liter HDPE	Other (Specify)	Matrix: Dw-Drinking Water Sl-Sludge	GW-Groundwater So-Soil/Solid	NP-Non-Potable Specify Other	Analyze For: 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 (TCLP / TOTAL)	Volatiles (BTEX-N 8260)	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Total Dissolved Solids	Chlorides		RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
01	L-03810			6/6/2007	13:00		1	X						1		GW														X	X			X

Special Instructions:

Please email to: kpope@riceswd.com matt@riceswd.com rozanne@valornet.com
jpurvis@riceswd.com

	Date	Time		Date	Time
Relinquished by: Rozanne Johnson	6/11/07	14:40	Received by: Cathy Watkins	6/11/07	14:41
Relinquished by: Cathy Watkins	6/11/07		Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT: Andrea Kam	6-11-07	4:30

Laboratory Comments:

Sample Containers Intact?	N
VOCs Free of Headspace?	N
Labels on container(s)	N
Custody seals on container(s)	N
Custody seals on cooler(s)	N
Sample Hand Delivered	N

by Sampler/Client Rep.? by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt: 5.0 °C

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Rice

Date/ Time: 6.11.07 4.30

Lab ID #: 7F11009

Initials: AL

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	Yes	No	5.0 °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	Subcontract of sample(s)?	Yes	No	Not Applicable	
#20	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

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

A Xenco Laboratories Company

Analytical Report

Prepared for:

Kristin Farris-Pope

Rice Operating Co.

122 W. Taylor

Hobbs, NM 88240

Project: EME M-5 SWD

Project Number: None Given

Location: T20S R37E Sec5 M ~ Lea County New Mexico

Lab Order Number: 7F11013

Report Date: 06/27/07

Rice Operating Co.	Project: EME M-5 SWD	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
M5-1s	7F11013-01	Water	06/07/07 13:55	06-11-2007 16:30
M5-1d	7F11013-02	Water	06/07/07 14:50	06-11-2007 16:30

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

Rice Operating Co.	Project: EME M-5 SWD	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
M5-1s (7F11013-01) Water									
Benzene	ND	0.00100	mg/L	1	EF71312	06/13/07	06/15/07	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		*102 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*86.6 %*	*80-120*		"	"	"	"	
M5-1d (7F11013-02) Water									
Benzene	ND	0.00100	mg/L	1	EF71312	06/13/07	06/15/07	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		*99.0 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87.8 %*	*80-120*		"	"	"	"	

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

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

Rice Operating Co.	Project: EME M-5 SWD	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
M5-1s (7F11013-01) Water									
Total Alkalinity	**290**	2.00	mg/L	1	EF71403	06/14/07	06/14/07	EPA 310.1M	
Chloride	**4960**	100	"	200	EF71504	06/15/07	06/15/07	EPA 300.0	
Total Dissolved Solids	**11700**	10.0	"	1	EF71519	06/12/07	06/15/07	EPA 160.1	
Sulfate	**539**	100	"	200	EF71504	06/15/07	06/15/07	EPA 300.0	
M5-1d (7F11013-02) Water									
Total Alkalinity	**170**	2.00	mg/L	1	EF71403	06/14/07	06/14/07	EPA 310.1M	
Chloride	**6110**	100	"	200	EF71504	06/15/07	06/15/07	EPA 300.0	
Total Dissolved Solids	**16600**	10.0	"	1	EF71519	06/12/07	06/15/07	EPA 160.1	
Sulfate	**371**	100	"	200	EF71504	06/15/07	06/15/07	EPA 300.0	

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

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

Rice Operating Co.	Project: EME M-5 SWD	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
M5-1s (7F11013-01) Water									
Calcium	**776**	40.5	mg/L	500	EF71902	06/19/07	06/19/07	EPA 6010B	
Magnesium	**230**	3.60	"	100	"	"	"	"	
Potassium	**27.5**	0.600	"	10	"	"	"	"	
Sodium	**2120**	21.5	"	500	"	"	"	"	
M5-1d (7F11013-02) Water									
Calcium	**955**	40.5	mg/L	500	EF71902	06/19/07	06/19/07	EPA 6010B	
Magnesium	**236**	3.60	"	100	"	"	"	"	
Potassium	**21.8**	0.600	"	10	"	"	"	"	
Sodium	**1370**	21.5	"	500	"	"	"	"	

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

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

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

Project: EME M-5 SWD
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 EF71312 - EPA 5030C (GC)										
Blank (EF71312-BLK1)				Prepared: 06/13/07 Analyzed: 06/15/07						
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	*46.1*		*ug/l*	*50.0*		*92.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*41.1*		"	*50.0*		*82.2*	*80-120*			
LCS (EF71312-BS1)				Prepared: 06/13/07 Analyzed: 06/15/07						
Benzene	0.0508	0.00100	mg/L	0.0500		102	80-120			
Toluene	0.0522	0.00100	"	0.0500		104	80-120			
Ethylbenzene	0.0541	0.00100	"	0.0500		108	80-120			
Xylene (p/m)	0.0945	0.00100	"	0.100		94.5	80-120			
Xylene (o)	0.0527	0.00100	"	0.0500		105	80-120			
Surrogate: a,a,a-Trifluorotoluene	*49.2*		*ug/l*	*50.0*		*98.4*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*47.4*		"	*50.0*		*94.8*	*80-120*			
Calibration Check (EF71312-CCV1)				Prepared: 06/13/07 Analyzed: 06/15/07						
Benzene	0.0493		mg/L	0.0500		98.6	80-120			
Toluene	0.0501		"	0.0500		100	80-120			
Ethylbenzene	0.0485		"	0.0500		97.0	80-120			
Xylene (p/m)	0.0906		"	0.100		90.6	80-120			
Xylene (o)	0.0506		"	0.0500		101	80-120			
Surrogate: a,a,a-Trifluorotoluene	*48.6*		*ug/l*	*50.0*		*97.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*46.8*		"	*50.0*		*93.6*	*80-120*			
Matrix Spike (EF71312-MS1)	**Source: 7F12005-03**			Prepared: 06/13/07 Analyzed: 06/15/07						
Benzene	0.0494	0.00100	mg/L	0.0500	ND	98.8	80-120			
Toluene	0.0505	0.00100	"	0.0500	ND	101	80-120			
Ethylbenzene	0.0534	0.00100	"	0.0500	ND	107	80-120			
Xylene (p/m)	0.0936	0.00100	"	0.100	ND	93.6	80-120			
Xylene (o)	0.0523	0.00100	"	0.0500	ND	105	80-120			
Surrogate: a,a,a-Trifluorotoluene	*50.4*		*ug/l*	*50.0*		*101*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*47.1*		"	*50.0*		*94.2*	*80-120*			

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

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 EF71312 - EPA 5030C (GC)										
Matrix Spike Dup (EF71312-MSD1)	**Source: 7F12005-03**			Prepared: 06/13/07 Analyzed: 06/15/07						
Benzene	0.0478	0.00100	mg/L	0.0500	ND	95.6	80-120	3.29	20	
Toluene	0.0495	0.00100	"	0.0500	ND	99.0	80-120	2.00	20	
Ethylbenzene	0.0523	0.00100	"	0.0500	ND	105	80-120	1.89	20	
Xylene (p/m)	0.0913	0.00100	"	0.100	ND	91.3	80-120	2.49	20	
Xylene (o)	0.0506	0.00100	"	0.0500	ND	101	80-120	3.88	20	
Surrogate: a,a,a-Trifluorotoluene	*49.5*		*ug/l*	*50.0*		*99.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*47.1*		*"*	*50.0*		*94.2*	*80-120*			

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

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 EF71403 - General Preparation (WetChem)										
Blank (EF71403-BLK1)				Prepared & Analyzed: 06/14/07						
Total Alkalinity	ND	2.00	mg/L							
LCS (EF71403-BS1)				Prepared & Analyzed: 06/14/07						
Bicarbonate Alkalinity	170	2.00	mg/L	200		85.0	85-115			
Duplicate (EF71403-DUP1)	**Source: 7F11010-01**			Prepared & Analyzed: 06/14/07						
Total Alkalinity	320	2.00	mg/L		320			0.00	20	
Reference (EF71403-SRM1)				Prepared & Analyzed: 06/14/07						
Total Alkalinity	250		mg/L	250		100	90-110			
Batch EF71504 - General Preparation (WetChem)										
Blank (EF71504-BLK1)				Prepared & Analyzed: 06/15/07						
Sulfate	ND	0.500	mg/L							
Chloride	ND	0.500	"							
LCS (EF71504-BS1)				Prepared & Analyzed: 06/15/07						
Sulfate	10.1	0.500	mg/L	10.0		101	80-120			
Chloride	9.83	0.500	"	10.0		98.3	80-120			
Calibration Check (EF71504-CCV1)				Prepared & Analyzed: 06/15/07						
Chloride	9.07		mg/L	10.0		90.7	80-120			
Sulfate	12.0		"	10.0		120	80-120			
Duplicate (EF71504-DUP1)	**Source: 7F11014-01**			Prepared & Analyzed: 06/15/07						
Sulfate	104	12.5	mg/L		104			0.00	20	
Chloride	734	12.5	"		731			0.410	20	

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

Rice Operating Co.	Project: EME M-5 SWD	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 EF71504 - General Preparation (WetChem)										
Duplicate (EF71504-DUP2)		**Source: 7F11017-01**		Prepared & Analyzed: 06/15/07						
Sulfate	76.7	5.00	mg/L		77.6			1.17	20	
Chloride	67.9	5.00	"		69.9			2.90	20	
Matrix Spike (EF71504-MS1)		**Source: 7F11014-01**		Prepared & Analyzed: 06/15/07						
Chloride	992	12.5	mg/L	250	731	104	80-120			
Sulfate	354	12.5	"	250	104	100	80-120			
Matrix Spike (EF71504-MS2)		**Source: 7F11017-01**		Prepared & Analyzed: 06/15/07						
Sulfate	174	5.00	mg/L	100	77.6	96.4	80-120			
Chloride	168	5.00	"	100	69.9	98.1	80-120			
Batch EF71519 - General Preparation (WetChem)										
Blank (EF71519-BLK1)				Prepared: 06/12/07 Analyzed: 06/15/07						
Total Dissolved Solids	ND	10.0	mg/L							
Duplicate (EF71519-DUP1)		**Source: 7F11009-01**		Prepared: 06/12/07 Analyzed: 06/15/07						
Total Dissolved Solids	24600	10.0	mg/L		23000			6.72	20	
Duplicate (EF71519-DUP2)		**Source: 7F11014-03**		Prepared: 06/12/07 Analyzed: 06/15/07						
Total Dissolved Solids	1380	10.0	mg/L		1340			2.94	20	

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

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

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

Project: EME M-5 SWD
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

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 EF71902 - 6010B/No Digestion										
Blank (EF71902-BLK1)				Prepared & Analyzed: 06/19/07						
Calcium	ND	0.0810	mg/L							
Magnesium	ND	0.0360	"							
Potassium	ND	0.0600	"							
Sodium	ND	0.0430	"							
Calibration Check (EF71902-CCV1)				Prepared & Analyzed: 06/19/07						
Calcium	2.04		mg/L	2.00		102	85-115			
Magnesium	2.00		"	2.00		100	85-115			
Potassium	2.13		"	2.00		106	85-115			
Sodium	2.04		"	2.00		102	85-115			
Duplicate (EF71902-DUP1)	**Source: 7F11010-01**			Prepared & Analyzed: 06/19/07						
Calcium	956	40.5	mg/L		940			1.69	20	
Magnesium	337	3.60	"		346			2.64	20	
Potassium	29.9	0.600	"		30.9			3.29	20	
Sodium	2970	21.5	"		2940			1.02	20	

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

Notes and Definitions

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

Report Approved By: _____ Date: 6/27/2007

Brent Barron, Laboratory Director/Corp. Technical Director
Celey D. Keene, Org. Tech Director
Raland K. Tuttle, Laboratory Consultant

James Mathis, QA/QC Officer
Jeanne Mc Murrey, Inorg. Tech Director

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

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

Environmental Lab of Texas

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 M-5 SWD

Project #:

Project Loc: T20S R37E Sec5 M ~ Lea County New Mexico

PO #:

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

(lab use only)

ORDER #: 7F11013

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl (2) 40 ml glass vials	H2SO4	NaOH	Na2S2O3	None (1) 1 Liter HDPE	Other (Specify)	Matrix: Dw-Drinking Water Sw-Sludge GW-Groundwater Ss-Soil/Solid NP-Non-Potable Specify Other	Analyze For: TCLP: TPH: 418.1 8015M 8015B	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	RCI	N.O.R.M.	Total Dissolved Solids	RUSH TAT [Pre-Schedule] 24, 48, 72 Hrs	Standard TAT
01	M5-1s			6/7/2007	13:55		3	X		2				1		GW			X	X					X			X		X
02	M5-1d			6/7/2007	14:50		3	X		2				1		GW			X	X					X			X		X

Special Instructions:

Please email to: kpope@riceswd.com matt@riceswd.com rozanne@valornet.com jpurvis@riceswd.com

Relinquished by:	Date	Time	Received by:	Date	Time
Rozanne Johnson	6/11/07			6/11/07	14:41
Relinquished by:	Date	Time	Received by:	Date	Time
	6/11/07				
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
			Andrea Law	6-11-07	4:30

Laboratory Comments:

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

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt: 5.0 °C

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Rice

Date/ Time: 6·11·07 4:30

Lab ID #: 7F11013

Initials: AL

Sample Receipt Checklist

				Client Initials
#1	Temperature of container/ cooler?	Yes	5.0 °C	
#2	Shipping container in good condition?	Yes		
#3	Custody Seals intact on shipping container/ cooler?	Yes	Not Present	
#4	Custody Seals intact on sample bottles/ container?	Yes	Not Present	
#5	Chain of Custody present?	Yes		
#6	Sample instructions complete of Chain of Custody?	Yes		
#7	Chain of Custody signed when relinquished/ received?	Yes		
#8	Chain of Custody agrees with sample label(s)?	Yes	ID written on Cont./ Lid	
#9	Container label(s) legible and intact?	Yes	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	Yes		
#11	Containers supplied by ELOT?	Yes		
#12	Samples in proper container/ bottle?	Yes	See Below	
#13	Samples properly preserved?	Yes	See Below	
#14	Sample bottles intact?	Yes		
#15	Preservations documented on Chain of Custody?	Yes		
#16	Containers documented on Chain of Custody?	Yes		
#17	Sufficient sample amount for indicated test(s)?	Yes	See Below	
#18	All samples received within sufficient hold time?	Yes	See Below	
#19	Subcontract of sample(s)?	Yes	Not Applicable	
#20	VOC samples have zero headspace?	Yes	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

CARDINAL LABORATORIES

PHONE (325) 673-7001 · 2111 BEECHWOOD · ABILENE, TX 79603
PHONE (505) 393-2326 · 101 E. MARLAND · HOBBS, NM 88240

ANALYTICAL RESULTS FOR
RICE OPERATING CO.
ATTN: GILBERT VAN DEVENTER
122 WEST TAYLOR
HOBBS, NM 88240
FAX TO: (505) 397-1471

Receiving Date: 12/26/06
Reporting Date: 12/27/06
Project Number: NOT GIVEN
Project Name: P-6 LINE LEAK
Project Location: T20S-R37E-SECTION 6-UNIT P

Sampling Date: 12/26/06
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: LB
Analyzed By: LB

LAB NO.	SAMPLE ID	GRO (C_6-C_{12}) (mg/Kg)	DRO (>C_{12}-C_{28}) (mg/Kg)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE:		12/26/06	12/26/06	12/26/06	12/26/06	12/26/06	12/26/06
H11938-1	P-6 WALL COMPOSITE	15	514	<0.005	<0.005	0.017	0.006
H11938-2	P-6 FLOOR COMPOSITE	213	1209	0.016	0.034	0.117	0.363
Quality Control		921	899	0.089	0.092	0.095	0.309
True Value QC		1000	1000	0.100	0.100	0.100	0.300
% Recovery		92.1	89.9	89.9	92.0	95.0	103.0
Relative Percent Difference		9.4	4.9	6.0	4.8	5.7	6.3

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8021B.

Larry L. Bailey

12/27/06
Date

H11938A

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.

CARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
RICE OPERATING CO.
ATTN: GILBERT VAN DEVENTER
122 WEST TAYLOR
HOBBS, NM 88240
FAX TO: (505) 397-1471

Receiving Date: 12/26/06
Reporting Date: 12/27/06
Project Number: NOT GIVEN
Project Name: P-6 LINE LEAK
Project Location: T20S-R37E-SECTION 6-UNIT P

Analysis Date: 12/27/06
Sampling Date: 12/26/06
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: LB
Analyzed By: LB

LAB NO.	SAMPLE ID	Cl^- (mg/Kg)
H11938-1	P-6 WALL COMPOSITE	432
H11938-2	P-6 FLOOR COMPOSITE	656
Quality Control		510
True Value QC		500
% Recovery		102
Relative Percent Difference		7.7

METHOD: Standard Methods	4500-Cl^-B

NOTE: Analyses performed on 1:4 w:v aqueous extracts.

Chemist

12/27/06
Date

H11938

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.

CARDINAL LABORATORIES, INC.

2111 Beechwood, Abilene, TX 79603 (915) 673-7001 Fax (915) 673-7020
101 East Marland, Hobbs, NM 88240 (505) 393-2326 Fax (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page ____ of ____

Company Name:	Trident Environmental
Project Manager:	Gilbert Van Deventer
Address:	
City:	Midland State: Tx Zip: 79705
Phone #:	432-686-8740 Fax #:
Project #:	Project Owner:
Project Name:	P-6 Line Leak
Project Location:	T20S-R37E-Section 6 - Unit P
Sampler Name:	G. I Van Deventer

BILL TO

P.O. #:	
Company:	Rio Operating Co
Attn:	Kristin Pope
Address:	122 W Taylor
City:	Hobbs
State:	NM Zip: 88240
Phone #:	505-393-9174
Fax #:	505 393-1471

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	GRO/DRO (8015)	BTEX (8021B)	Chlorides
H11935-1	P-6 Wall Composite	C	1			✓					✓		12-26-06	1630	✓	✓	✓
-2	P-6 Floor Composite	C	1			✓					✓		12-26-06	1645	✓	✓	✓

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of collections, including attorney's fees.

Sampler Relinquished:	Date: 12-26-06	Received By:	
Relinquished By:	Time: 1722	Received By: (Lab Staff)	
	Date:		
	Time:		

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

Sample Condition		CHECKED BY: (Initials)
Cool	Intact	
☑ Yes ☐ No	☑ Yes ☐ No	

Phone Result:	☑ Yes	☐ No	Add'l Phone #:
Fax Result:	☑ Yes	☐ No	Add'l Fax #:

REMARKS:
Please email to kpope@riceswd.com and gilbertvandeventer@cox.net

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.

CARDINAL LABORATORIES

PHONE (325) 673-7001 · 2111 BEECHWOOD · ABILENE, TX 79603
PHONE (505) 393-2326 · 101 E MARLAND · HOBBS, NM 88240

ANALYTICAL RESULTS FOR
RICE OPERATING CO.
ATTN: GILBERT VAN DEVENTER
122 WEST TAYLOR
HOBBS, NM 88240
FAX TO: (505) 397-1471

Receiving Date: 12/22/06
Reporting Date: 12/27/06
Project Number: P-6 LINE LEAK
Project Name: NOT GIVEN
Project Location: T20S-R37E-SECTION 6-UNIT P

Sampling Date: 12/22/06
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: HM
Analyzed By: LB/AB

LAB NO.	SAMPLE ID	GRO (C_6-C_{12}) (mg/Kg)	DRO (>C_{12}-C_{28}) (mg/Kg)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE:		12/26/06	12/26/06	12/26/06	12/26/06	12/26/06	12/26/06
H11935-1	EXCAVATED SOIL	1401	4134	<0.020	1.66	4.20	15.64
H11935-2	OVERBURDEN SOIL	221	1832	0.007	0.032	0.093	0.273
Quality Control		921	899	0.089	0.092	0.095	0.309
True Value QC		1000	1000	0.100	0.100	0.100	0.300
% Recovery		92.1	89.9	89.9	92.0	95.0	103.0
Relative Percent Difference		9.4	4.9	6.0	4.8	5.7	6.3

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8021B.

Larry L. Bailey

12/27/06
Date

H11935A

Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.

CARDINAL LABORATORIES

PHONE (325) 673-7001 · 2111 BEECHWOOD · ABILENE, TX 79603
PHONE (505) 393-2326 · 101 E. MARLAND · HOBBS, NM 88240

ANALYTICAL RESULTS FOR
RICE OPERATING CO.
ATTN: GILBERT VAN DEVENTER
122 WEST TAYLOR
HOBBS, NM 88240
FAX TO: (505) 397-1471

Receiving Date: 12/22/06
Reporting Date: 12/27/06
Project Number: P-6 LINE LEAK
Project Name: NOT GIVEN
Project Location: T20S-R37E-SECTION 6-UNIT P

Analysis Date: 12/26/06
Sampling Date: 12/22/06
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: HM
Analyzed By: AB

LAB NO.	SAMPLE ID	Cl^- (mg/Kg)
H11935-1	EXCAVATED SOIL	336
H11935-2	OVERBURDEN SOIL	416
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		0.0

METHOD: Standard Methods	4500-Cl⁻B

NOTE: Analyses performed on 1:4 w:v aqueous extracts.

Chemist

Date

H11935

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

CARDINAL LABORATORIES, INC.

2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240
(915) 673-7001 Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 1

Company Name:	
Project Manager:	
Address:	
City:	State: Zip:
Phone #:	Fax #:
Project #:	Project Owner:
Project Name:	
Project Location:	
Sampler Name:	

BILL TO

P.O. #:	
Company:	
Attn:	
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER	PRESERV: ACID/BASE	ICE / COOL	OTHER	SAMPLING: DATE	TIME
-1														
-2														

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of collections, including attorney's fees.

Sampler Relinquished:	Date:	Received By:	
	Time:		
Relinquished By:	Date:	Received By: (Lab Staff)	
	Time:		
Delivered By: (Circle One)	Sample Condition: Cool Yes / No; Intact Yes / No	CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other:			

Phone Result:	☑ Yes	☐ No	Add'l Phone #:
Fax Result:	☐ Yes	☐ No	Add'l Fax #:

REMARKS:

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.

CARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

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

Receiving Date: 12/29/06
Reporting Date: 01/02/07
Project Number: P-6 LINE LEAK
Project Name: P-6 LINE LEAK
Project Location: T20S-R37E-SECTION 6-UNIT P

Sampling Date: 12/29/06
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: HM/BC

LAB NO.	SAMPLE ID	Cl* (mg/Kg)	BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)
ANALYSIS DATE:		01/02/07	12/29/06	12/29/06	12/29/06	12/29/06
H11956-1	MIXED SOIL	64	<0.005	<0.005	<0.005	<0.015
Quality Control		480	0.105	0.097	0.102	0.310
True Value QC		500	0.100	0.100	0.100	0.300
% Recovery		96.0	105	97.4	102	103
Relative Percent Difference		2.1	5.0	2.6	2.1	3.1

METHODS: Cl⁻ - Std. Methods 4500-Cl⁻B; BTEX - EPA SW-846-8020
*Analysis performed on a 1:4 w:v aqueous extract

Burgess J. A. Cooke, Ph. D.

1/2/07
Date

H11956B

CARDINAL LABORATORIES

PHONE (325) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

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

Receiving Date: 12/29/06
Reporting Date: 01/02/07
Project Number: P-6 LINE LEAK
Project Name: P-6 LINE LEAK
Project Location: T20S-R37E-SECTION 6-UNIT P

Sampling Date: 12/29/06
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

LAB NUMBER	SAMPLE ID	GRO (C_6-C_{10}) (mg/Kg)	DRO (>C_{10}-C_{28}) (mg/Kg)
ANALYSIS DATE:		12/29/06	12/29/06
H11956-1	MIXED SOIL	<10.0	115
Quality Control		760	752
True Value QC		800	800
% Recovery		95.1	94.0
Relative Percent Difference		0.3	2.8

METHOD: SW-846 8015 M

Chemist

1/2/07
Date

H11956A

Cardinal's liability and Client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by Client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages including, without limitation, business interruptions, loss of use, or loss of profits incurred by Client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.

CARDINAL LABORATORIES, INC.

2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240
(915) 673-7001 Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	Rice Operating Company
Project Manager:	Kristin Pope
Address:	122 W. Taylor St.
City:	Hobbs State: NM Zip: 88240
Phone #:	505-393-9174 Fax #: 505-397-1471
Project #:	P-6 Line Leak Project Owner:
Project Name:	P-6 Line Leak
Project Location:	T20S-R37E-Section 6-Unit P
Sampler Name:	Gil VanLeeuwen

BILL TO

P.O. #:	
Company:	Rice Operating Co.
Attn:	Kristin Pope
Address:	122 W. Taylor St
City:	Hobbs
State:	NM Zip: 88240
Phone #:	505-393-9174
Fax #:	505-397-1471

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER	PRESERV: ACID/BASE	ICE / COOL	OTHER	SAMPLING: DATE	TIME	ANALYSIS REQUEST: GRO/DRO (8015)	BTEX (8021B)	Chlorides
H11756-1	Mixed Soil	C	1			✓					✓		12-19-06	1610	✓	✓	✓

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of collections, including attorney's fees.

Sampler Relinquished:	Date: 12-19-06	Received By:	
	Time: 1646		
Relinquished By:	Date:	Received By: (Lab Staff)	
	Time:		
Delivered By: (Circle One)	Sample Condition: Cool: ☒ Yes ☐ No; Intact: ☒ Yes ☐ No	CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other:			

Phone Result: ☒ Yes ☐ No Add'l Phone #:
Fax Result: ☒ Yes ☐ No Add'l Fax #:
REMARKS:
email results to: kpope@riceswd.com and gilbertvandeventer@cox.net

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.

APPENDIX E

SEED MIX

Operating Company

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

Homesteaders Choice

Curtis & Curtis, Inc.

Blue Grama
Hachita
Sideoats Grama
Vaughn
Western Wheatgrass
Arriba
Sand Dropseed
Buffalograss
Texoka

Reclamation Mix

Granite Seed Company

Western Wheatgrass
Indian Ricegrass
Blue Grama
California Poppy
Sideoats Grama
Galleta Grass
White Yarrow
Fourwing Saltbush
Yellow Bluestem
Alkali Sacaton
Rocky Mountain Penstemon
Blanket Flower
Little Bluestem
Lewis Blue Flax
Sand Dropseed

When seeding, ROC uses a 50/50 mixture of both above listed seeds: 1lb per every 1000sqft; unless otherwise requested by the landowner

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

2006 JAN 33 AM 8 00

CERTIFIED MAIL
RETURN RECIEPT NO. 7005 1820 0001 6804 7609

January 31, 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 P-6 RELEASE
PUBLIC NOTIFICATIONS
NMOCD CASE #AP-45

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 & 2 Abatement Plan submitted by Gilbert J. Van Deventer of R.T. Hicks Consultants for the P-6 Release 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. Thirty-eight 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 return as "attempted—not known." Previous delivery attempts to this address have been refused.

As directed by OCD, the Stage 1 & 2 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 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

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

AVIT OF PUBLICATION

State of New Mexico,
County of Lea.

I, KATHI BEARDEN

Publisher

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

of 1

weeks.

Beginning with the issue dated

December 13 2005

and ending with the issue dated

December 13 2005

Publisher

Sworn and subscribed to before

me this 13th day of

December 2005

Notary Public.

My Commission expires
February 07, 2009
(Seal)

OFFICIAL SEAL
DORA MONTZ
NOTARY PUBLIC
STATE OF NEW MEXICO
My Commission Expires:

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

LEGAL NOTICE
December 13, 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 and 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, Carolyn Doran Haynes, Engineering Manager, Telephone (505) 393-9174, 122 West Taylor, Hobbs, New Mexico 88240, has submitted a Stage 1 and 2 Abatement Plan Proposal (AP-45) for the EME P-6 Release Site, located in Section 6, Township 20 south, Range 37 east, Lea County, New Mexico, approximately 4 miles west-southwest of Monument, New Mexico. Rice Operating Company operates a salt-water disposal pipeline at the site. Soil impacts at the site include chlorides and hydrocarbons. Groundwater samples exhibit elevated chloride concentrations. The Stage 1 and 2 Abatement Plan Proposal presents the following site soil and groundwater investigation activities: (1) Define regional ground water flow direction, potential sources of chloride in ground water and ambient ground water chemistry, (2) further delineation of the vertical and lateral extent of soil impact, and (3) evaluate flux in the vadose zone and threat to ground water impact.

Any interested person may obtain further information from the Oil Conservation Division and may submit written comments to the Director of the Oil Consrevation Division at the address given above. The Stage 1 and 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 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.
#22012

01104367000 67534979

RICE OPERATING COMPANY
122 WEST TAYLOR
HOBBS, NM 88240

EME P-6 Release

Unit 'P', Sec. 6, T20S, R37E

Public Notice Mailings (12/7/2005)

Stage 1 and 2 Abatement Plan

	Landowner or Interested Party	Delivery Status			Comments
		Delivered US Mail	Delivered E-mail	Not Delivered	
1	Jimmie T. Cooper Star Route A, Box 55 Monument, NM 88265	X			Return Receipt Received
2	Chevron USA, Inc. 15 Smith Road Midland, TX 79705	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	Charlcie F. Byrd P.O. Box 32 Monument, NM 88265	X			Return Receipt Received
5	Jim Amos Carlsbad Field Office 620 East Greene Street Carlsbad, NM 88220	X			Return Receipt Received
6	Gilbert Borrego New Mexico State Land Office P.O. Box 1148 Santa Fe, NM 87504 - 1148	X			Return Receipt Received
7	James R. Byrd P.O. Box 32 Monument, NM 88265	X			Return Receipt Received
8	Laughlin, M.E. Est. Reeves Elise Laughlin P.O. Box 870849 Mesquite, TX 75187-0849	X			Return Receipt Received
9	Lea partners Kirkwood & Darby P.O. Box 870849 Mesquite, TX 75187-0849	X			Return Receipt Received
10	Attorney General's Office P.O. Box 1508 Santa Fe, NM 87502 - 0115	X			Return Receipt Received
11	Bureau of Land Management State Director P.O. Box 27115 Santa Fe, NM 87502 - 0115	X			Return Receipt Received
12	Chief Hazardous Waste Bureau Runnels Building Santa Fe, NM 87504	X			Return Receipt Received

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

27	New Mexico Environmental Department Secretary P.O. Box 26110 Santa Fe, NM 87501	*X*			Return Receipt Received
28	NM Oil & Gas Association P.O. Box 1864 Santa Fe, NM 87504 - 1864	*X*			Return Receipt Received
29	Soil & Water Conservation Bureau NM Dept of Agriculture/Ag Programs & Resources Box 30005/APR Las Cruces, NM 88003 - 8005	*X*			Return Receipt Received
30	Chris Shuey Southwest Research & Information Center P.O. Box 4524 Albuquerque, NM 87106	*X*			Return Receipt Received
31	State Historic Preservation Officer Attn: Elmo Baca 228 East Palace Avenue Villa Rivera Room 101 Santa Fe, NM 87503	*X*			Return Receipt Received
32	US Fish & Wildlife Service Field Supervisor 2105 Osuna Road, Northeast Albuquerque, NM 87113 - 1001	*X*			Return Receipt Received
33	Water Resources Division State Engineer Bataan Building Santa Fe, NM 87503	*X*			Return Receipt Received
34	Ron Dutton Southwestern Public Service P.O. Box 1261 Amarillo, TX 79170	*X*			Return Receipt Received
35	State Parks & Recreation Director 1220 S St. Francis Santa Fe, NM 87505	*X*			Return Receipt Received
36	Regional Forester USFS Regional Office 517 Gold Avenue SW Albuquerque, NM 87102		*X*		Undeliverable mail, not able to forward; e-mailed on 1/13/2006
37	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
38	Lea County Administration Office Attn: Lue Ethridge 100 N. Main Street, Suite 4 Lovington, NM 88260	*X*			Return Receipt Received
TOTALS		36	1	1	

Kristin Farris Pope

From: "Kristin Farris Pope" <kpriceswd@valornet.com>
To: <cgarcia@fs.fed.us>
Sent: Friday, January 13, 2006 9:54 AM
Attach: P6_Stage1PubNotice.doc
Subject: Rule 19 Public Notice (P-6)

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 7, 2005.

Kristin Farris Pope
Project Scientist
RICE Operating Company
Hobbs, NM 88240
(505) 393-9174

Kristin Farris Pope

From: "Christina M Garcia" <cgarcia@fs.fed.us>
To: "Kristin Farris Pope" <kpriceswd@valornet.com>
Sent: Friday, January 13, 2006 10:31 AM
Subject: Rule 19 Public Notice (P-6)

Return Receipt

Your document: Rule 19 Public Notice (P-6)

was received by: Christina M Garcia/R3/USDAFS

at: 01/13/2006 10:31:49

Kristin Farris Pope

From: "Kristin Farris Pope" <kpriceswd@valornet.com>
To: <lazarus@glorietageo.com>
Sent: Friday, January 13, 2006 9:55 AM
Attach: P6_Stage1PubNotice.doc
Subject: Rule 19 Public Notice (P-6)

Jay Lazarus

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 7, 2005.

Kristin Farris Pope
Project Scientist
RICE Operating Company
Hobbs, NM 88240
(505) 393-9174

STATE OF NEW MEXICO
County of Bernalillo SS

Bill Tafoya, being duly sworn, declares and says that he is Classified Advertising Manager of **The Albuquerque Journal**, and that this newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Session Laws of 1937, and that payment therefore has been made of assessed as court cost; that the notice, copy of which is hereto attached, was published in said paper in the regular daily edition, for 1 times, the first publication being on the 13 day of Dec., 2005 and the subsequent consecutive publications on _____, 20___.

Sworn and subscribed to before me, a Notary Public, in and for the County of Bernalillo and State of New Mexico this 13 day of Dec. of 2005

PRICE $ 44.24

Statement to come at end of month.

ACCOUNT NUMBER C.52274

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

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

Notice is hereby given that pur ant to New Mexico Oil Conser tion Division Regulations, the f lowing Stage 1 and 2 Abatem Plan Proposal has been submitt to the Director of the Oil Cons vation Division, 1220 S. St. Fran Dr., Santa Fe, New Mexico 875(Telephone (505) 476-3440:

Rice Operating Company, Ca lyn Doran Haynes, Engineeri Manager, Telephone (50 393-9174, 122 West Tayl Hobbs, New Mexico 88240, h submitted a Stage 1 and Abatement Plan Proposal (A 45) for the EME P-6 Relea Site, located in Section 6, Tow ship 20 south, Range 37 ea Lea County, New Mexico, a proximately 4 miles wes southwest of Monument, Ne Mexico. Rice Operating Comp ny operates a saltwater dispos pipeline at the site. Soil impac at the site include chlorides a hydrocarbons. Groundwat samples exhibit elevated chlori concentrations. The Stage 1 a 2 Abatement Plan Proposal pr sents the following site soil a groundwater investigation acti ties: (1) Define regional grou water flow direction, potent sources of chloride in grou water and ambient ground wat chemistry, (2) further delineati of the vertical and lateral exte of soil impact, and (3) evalua flux in the vadose zone a threat to groundwater impact.

Any interested person may obta further information from the (Conservation Division and ma submit written comments to 'tl Director of the Oil Conservatic Division at the address give above. The Stage 1 and 2 Abat ment Plan Proposal may b viewed at the above address or the Oil Conservation Division Di trict Office, 1625 N. French Driv Hobbs, New Mexico 88240, Tel phone (505) 393-6161 betwee 8:00 a.m. and 4:00 p.m., Monda through Friday. Prior to ruling o any proposed Abatement Plan, th Director of the Oil Conservatio Division shall allow at least thirt (30) days after the date of publ cation of this notice during whic written comments may be submi ted to him.
Journal: December 13, 2005

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

Soil & Water Conservation Bureau
NM Dept of Agriculture/Ag Programs & Resources
BOX 30005/APR
Las Cruces, NM 88003-8005

EME P-6

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☑ Agent ☐ Addressee

B. Received by (Printed Name) | C. Date of Delivery
12-8-5

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

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

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7005 1820 0004 7483 3293

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

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

BLM
Carlsbad Field Office
Jim Amos
620 East Greene Street
Carlsbad, NM 88220

EME-P-6

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Address

B. Received by (Printed Name) | C. Date of Deliv
JIM ABLE | 12-8-5

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

3. Service Type
☑ Certified Mail ☐ Express Mail
☐ Registered ☑ Return Receipt for Merchand
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7005 0390 0000 9980 2909

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

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

EME P-6

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by (Printed Name) | C. Date of Delivery
JOANNE BYRD | 12/8/05

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

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

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7005 0390 0000 9980 4798

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

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

Dr. Harry Bishara
PO BOX 748
Cuba, NM 87013

EME P-6

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addres

B. Received by (Printed Name) | C. Date of Deliv
[illegible] | 12/14/05

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

3. Service Type
☑ Certified Mail ☐ Express Mail
☐ Registered ☑ Return Receipt for Merchanc
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7005 1820 0004 7483 3217

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

William Turner NM Trustee for Natural Resources
C/O American Ground Water Consultants
10 Gold St. SW, Suite 111
Albuquerque, NM 87102

EME P-6

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☑ Agent ☐ Addressee

B. Received by (Printed Name) [illegible] C. Date of Delivery 12-9-05

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

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

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7005 1820 0004 7483 3187

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

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

NM Oil & Gas Association
PO BOX 1864
Santa Fe, NM 87504-1864

EME P-6

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by (Printed Name) [illegible] C. Date of Delivery

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

DEC 12 2005 USPS 87501;8998

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

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7005 1820 0004 7483 3323

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

Jimmie T. Cooper
Star Route A, Box 55
Monument, NM 88265

EME P-6

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by (Printed Name) Jimmie T Cooper C. Date of Delivery 12/9/05

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

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

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7005 0390 0000 9980 4750

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

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

James Dellis Barber Estate
Frist Natioal Bank
P.O. Box 1347
Colorado City, TX 79512

EME P-6

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by (Printed Name) C. Date of Delivery 12-12-05

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

3. Service Type
☑ Certified Mail ☐ Express Mail
☐ Registered ~~☑ Return Receipt for Merchandise~~
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7005 0390 0000 9980 4804

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

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

ChevronUSA
15 Smith Road
Midland, TX 79705

EME P-6

2. Article Number (Transfer from service label) 7005 0390 0000 9980 2893

COMPLETE THIS SECTION ON DELIVERY

A. Signature X R.L. Evans ☐ Agent ☐ Addressee

B. Received by (Printed Name) Robert Evans

C. Date of Delivery

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

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

4. Restricted Delivery? (Extra Fee) ☐ Yes

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

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

New Mexico Environmental Department
Secretary
PO BOX 26110
Santa Fe, NM 87504

EME P-6

2. Article Number (Transfer from service label) 7005 1820 0004 7483 3309

COMPLETE THIS SECTION ON DELIVERY

A. Signature X Thane M. [illegible] ☐ Agent ☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

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

DEC 09 2005

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

4. Restricted Delivery? (Extra Fee) ☐ Yes

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

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

Southwest Research & Information Center
Chris Shuey
PO BOX 4524
Albuquerque, NM 87106

EME P-6

2. Article Number (Transfer from service label) 7005 1820 0004 7483 3118

COMPLETE THIS SECTION ON DELIVERY

A. Signature X [illegible] ☐ Agent ☐ Addressee

B. Received by (Printed Name) Don Hancock

C. Date of Delivery 12-9-05

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

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

4. Restricted Delivery? (Extra Fee) ☐ Yes

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

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

Colorado River Basin Ctrl. Forum
Jack A. Barnett
106 West 500 South, Suite 101
Bountiful, UT 84010

EME P-6

2. Article Number (Transfer from service label) 7005 1820 0004 7483 3385

COMPLETE THIS SECTION ON DELIVERY

A. Signature X [illegible] ☐ Agent ☐ Addressee

B. Received by (Printed Name)

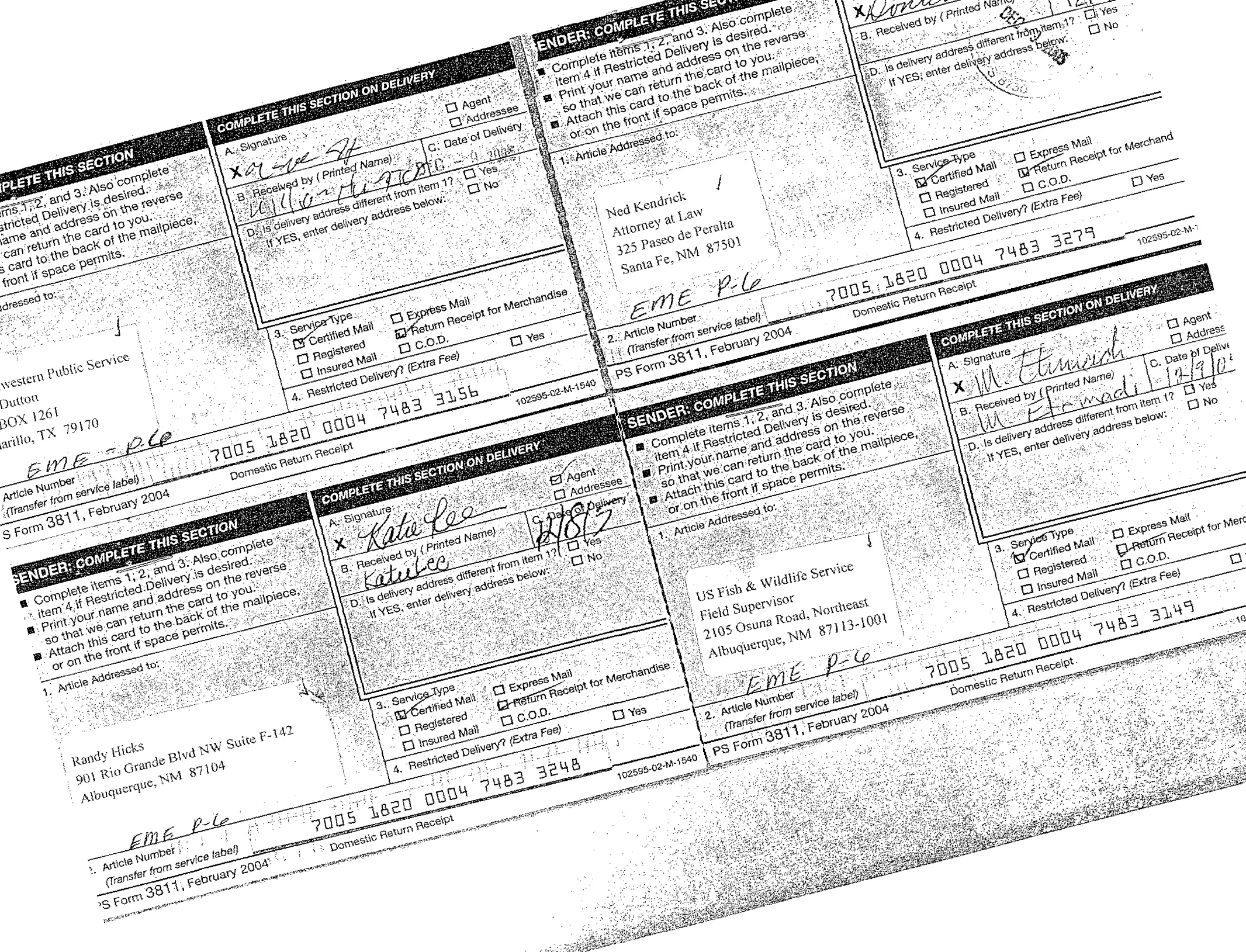
C. Date of Delivery

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

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

4. Restricted Delivery? (Extra Fee) ☐ Yes

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



PLETE THIS SECTION

ms 1, 2, and 3. Also complete
stricted Delivery is desired.
name and address on the reverse
can return the card to you.
s card to the back of the mailpiece,
front if space permits.

ddressed to:

Western Public Service
Dutton
BOX 1261
arillo, TX 79170

EME - P-6

Article Number
(Transfer from service label) 7005 1820 0004 7483 3156

S Form 3811, February 2004 Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X
Agent
Addressee

B. Received by (Printed Name) C. Date of Delivery

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

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

4. Restricted Delivery? (Extra Fee) Yes

102595-02-M-1540

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 mailpiece,
or on the front if space permits.

1. Article Addressed to:

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

EME P-6

2. Article Number
(Transfer from service label) 7005 1820 0004 7483 3279

PS Form 3811, February 2004 Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X
Agent
Addressee

B. Received by (Printed Name) C. Date of Delivery

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

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

4. Restricted Delivery? (Extra Fee) Yes

102595-02-M-1

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

Randy Hicks
901 Rio Grande Blvd NW Suite F-142
Albuquerque, NM 87104

EME P-6

2. Article Number
(Transfer from service label) 7005 1820 0004 7483 3248

PS Form 3811, February 2004 Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Katie Lee
Agent
Addressee

B. Received by (Printed Name) C. Date of Delivery
Katie Lee 12/8/2

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

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

4. Restricted Delivery? (Extra Fee) Yes

102595-02-M-1540

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

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

EME P-6

2. Article Number
(Transfer from service label) 7005 1820 0004 7483 3141

PS Form 3811, February 2004 Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X M. Etsmadi
Agent
Address

B. Received by (Printed Name) C. Date of Deliv
M. Etsmadi 12/9/0

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

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

4. Restricted Delivery? (Extra Fee)

7005 1820 0004 7483 3149

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

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

EME P-6

2. Article Number (Transfer from service label) 7005 1820 0004 7483 3378

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X ☐ Agent ☐ Addressee

B. Received by (Printed Name) C. Date of Delivery

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

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

4. Restricted Delivery? (Extra Fee) ☐ Yes

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

James R. Byrd
P.O. Box 32
Monument, NM 88265

EME P-6

2. Article Number (Transfer from service label) 7005 0390 0000 9980 4767

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Joanne Byrd ☐ Agent ☐ Addressee

B. Received by (Printed Name) JOANNE BYRD C. Date of Deliv

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

3. Service Type
☑ Certified Mail ☐ Express Mail
☐ Registered ☑ Return Receipt for Merchand
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

Laughlin, M.E. Est
Reeves Elise Laughlin
P.O. Box 90706
White MTN Lake, AZ 859112

EME P-6

2. Article Number (Transfer from service label) 7005 0390 0000 9980 4781

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Linda Johnson ☐ Agent ☐ Addressee

B. Received by (Printed Name) C. Date of Delivery 12/8/05

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

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

4. Restricted Delivery? (Extra Fee) ☐ Yes

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

Bureau of Land Management
State Director
PO BOX 27115
Santa Fe, NM 87502-0115

EME P-6

2. Article Number (Transfer from service label) 7005 1820 0004 7483 3231

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Linda McCoy ☐ Agent ☐ Addressee

B. Received by (Printed Name) Linda McCoy C. Date of Deliv 12-9-05

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

DEC 09 2005

87505

3. Service Type
☑ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchand
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

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

0806

EME P-6

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X ☑ Agent ☐ Addressee

B. Received by (Printed Name) RANDY BACH C. Date of Delivery 12-12-05

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

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

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7005 1820 0004 7483 3354

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

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

Attorney General's Office
PO BOX 1508
Santa Fe, NM 87504

EME P-6

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X ☐ Agent ☐ Address

B. Received by (Printed Name) C. Date of Deliv

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

DEC 12 2005

3. Service Type
☑ Certified Mail ☐ Express Mail
☐ Registered ☑ Return Receipt for Merchandi
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7005 1820 0004 7483 3286

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

Ken Marsh
CRI
PO BOX 388
Hobbs, NM 88241

EME P-6

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X ☐ Agent ☐ Addressee

B. Received by (Printed Name) C. Date of Delivery

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

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

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7005 1820 0004 7483 3200

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

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

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

EME P-6

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X ☐ Agent ☐ Addres

B. Received by (Printed Name) C. Date of Deliv

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

3. Service Type
☑ Certified Mail ☐ Express Mail
☐ Registered ☑ Return Receipt for Merchanc
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7005 1820 0004 7483 3194

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

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 mailpiece, or on the front if space permits.

Article Addressed to:

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

EME P-6

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by (Printed Name) | C. Date of Delivery

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

DEC 13 2005
SANTA

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

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7005 1820 0004 7483 3132

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

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

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

P-6

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X K McLaughlin ☐ Agent ☐ Addres

B. Received by (Printed Name) | C. Date of Deliv
12-14-0

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

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☒ Return Receipt for Merchanc
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service labe 7005 1820 0001 6804 5322

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

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 mailpiece, or on the front if space permits.

Article Addressed to:

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

EME P-6

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☒ Addressee

B. Received by (Printed Name) | C. Date of Delivery

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

DEC 2005

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

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7005 0390 0000 9980 4774

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

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

Bruce S. Garber
Attorney at Law
PO BOX 0850
Santa Fe, NM 87504-0850

EME P-6

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addres

B. Received by (Printed Name) | C. Date of Deli
M [illegible] 12-13-0

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

USPS 87501

3. Service Type
☐ Certified Mail ☐ Express Mail
☐ Registered ☑ Return Receipt for Merchan
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7005 1820 0004 7483 3361

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

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

Lee Wilson & Associates
PO BOX 931
Santa Fe, NM 87501

EME P-6

2. Article Number (Transfer from service label) 7005 1820 0004 7483 3316

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by (Printed Name) ANGELA WILSON C. Date of Delivery

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

DEC 10 2005 USPS 8668 SANTA FE, NM

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

4. Restricted Delivery? (Extra Fee) ☐ Yes

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

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

EME P-6

2. Article Number (Transfer from service label) 7005 1820 0004 7483 3224

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by (Printed Name) Senka C. Date of Delivery 12-12-05

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

CAMPUS STATION SOCORRO NM 87801

3. Service Type
☑ Certified Mail ☐ Express Mail
☐ Registered ☑ Return Receipt for Merchandis
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

Chief
Groundwater Bureau
Runnels Building
Santa Fe, NM 87504

EME P-6

2. Article Number (Transfer from service label) 7005 1820 0004 7483 3347

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by (Printed Name) CHARLES CARRILLO C. Date of Delivery

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

SANTA FE, NM DEC 12 2005 87505

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

4. Restricted Delivery? (Extra Fee) ☐ Yes

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

Chief
Hazardous Waste Bureau
Runnels Building
Santa Fe, NM 87504

EME P-6

2. Article Number (Transfer from service label) 7005 1820 0004 7483 3262

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by (Printed Name) CHARLES CARRILLO C. Date of Delivery

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

SANTA FE, NM DEC 12 2005 87505

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

4. Restricted Delivery? (Extra Fee) ☐ Yes

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

State Historic Preservation Officer Attn: Elmo Baca
228 East Palace Avenue
Villa Rivera Room 101
Santa Fe, NM 87503

EME P-6

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X ☐ Agent ☐ Addressee

B. Received by (Printed Name) C. Date of Delivery 12/12/05

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

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

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7005 1820 0004 7483 3125

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

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

State Parks & Recreation
Director
1220 S St Francis
Santa Fe, NM 87505

EME P-6

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X ☐ Agent ☐ Addressee

B. Received by (Printed Name) C. Date of Delivery

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

SANTA FE NM 87502 DEC 15 2005 USPS

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

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7005 1820 0004 7483 3163

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

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

Leapartners
Kirkwood & Darby
3000 E Belkap, Ste. 400
Fort Worth, TX 76111

EME PL

2. Article Number (Transfer from service label) 7005 0390 0000 9980 2886

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature X ☐ Agent ☐ Addressee

B. Received by (Printed Name) C. Date of Delivery

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

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

4. Restricted Delivery? (Extra Fee) ☐ Yes

RECEIVED DEC 1 . 05 RICE OPERATING HOBBS, NM

CERTIFIED MAIL

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)
For delivery information visit our website at www.usps.com®

OFFICIAL USE

Postage	$ .37
Certified Fee	2.30
Return Receipt Fee (Endorsement Required)	1.75
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	$ 4.42

Postmark Here: HOBBS NM 88240 CONTRACT STATION # III DEC 7 2005 USPS

Sent To: Leapartners
Street, Apt. No.; or PO Box No.: Kirkwood & Darby, 3000 E Belkap, Ste. 400
City, State, ZIP+4: Fort Worth, TX 76111
RL

PS Form 3800, June 2002 See Reverse for Instructions

7005 0390 0000 9980 2886

7005 0390 0000 9980 2886

PITNEY BOWES U.S. POSTAGE
1940 PB5512802
0033 $04.42 DEC 07 2005
4762 MAILED FROM ZIP CODE 88240

UTF 1105

Leapartners
Kirkwood & Darby

NIXIE 760 1 10 12/13/05
RETURN TO SENDER
NOT DELIVERABLE AS ADDRESSED
UNABLE TO FORWARD
BC: 88240504822 *0968-04416-07-40

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

7005 1820 0001 6804 0037

U.S. POSTAGE
1710 PB5512802
0003 $04.42 DEC 07 2005
4742 MAILED FROM ZIP CODE 88240

RETURNED TO SENDER

☐ Undeliverable as Addressed
☐ Moved, Left No Address
☐ Unclaimed
☐ Refused
☑ Attempted - Not Known
☐ No Such Street
☐ No Such Number
☐ No Receptacle
☐ Deceased
☐ Vacant

Attempted Unknown

RECEIVED
DEC 22 2005
RICE OPERATING
HOBBS, NM

International Technology Corp.
Mike Schulz
5301 Central Avenue, NE Suite 700
Albuquerque, NM 87108

8710&X1532 C027

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT OF THE RETURN ADDRESS, FOLD AT DOTTED LINE

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

International Technology Corp.
Mike Schulz
5301 Central Avenue, NE Suite 700
Albuquerque, NM 87108

EME P-6

2. Article Number (Transfer from service label) 7005 1820 0001 6804 0037

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X ☐ Agent ☐ Addressee

B. Received by (Printed Name) C. Date of Delivery

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

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

4. Restricted Delivery? (Extra Fee) ☐ Yes

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com®

OFFICIAL USE

Postage	$ .37
Certified Fee	2.30
Return Receipt Fee (Endorsement Required)	1.75
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	$ 4.42

Postmark Here
HOBBS NM 88240 CONTRACT STATION DEC 7 2005 USPS

Sent To: International Technology Corp.
Street, Apt. No., or PO Box No.: Mike Schulz, 5301 Central Avenue, NE Suite 700
City, State, ZIP+4: Albuquerque, NM 87108

P-6

See Reverse for Instructions

7005 1820 0001 6804 0037

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

7005 1820 0004 7483 3170

U.S. POSTAGE
1820 PB5512804
0093 $04.42 DEC 07 2005
4770 MAILED FROM ZIP CODE 88240

RECEIVED
DEC 22 2005
RICE OPERATING
HOBBS, NM

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

87102+3107

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT OF THE RETURN ADDRESS, FOLD AT DOTTED LINE

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

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

EME P-6

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X ☐ Agent ☐ Addressee

B. Received by (*Printed Name*) C. Date of Delivery

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

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

4. Restricted Delivery? (*Extra Fee*) ☐ Yes

2. Article Number (*Transfer from service label*) 7005 1820 0004 7483 3170

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

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(*Domestic Mail Only; No Insurance Coverage Provided*)
For delivery information visit our website at www.usps.com®

OFFICIAL USE

Postage	$ .37
Certified Fee	2.30
Return Receipt Fee (Endorsement Required)	1.75
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	$ 4.42

CONTRACT STATION # III
HOBBS NM 88240 USPS
DEC 2005
Postmark Here

Sent To: USFS Regional Office
Reginal Forester
Street, Apt. No.; or PO Box No.: 517 Gold Avenue SW
City, State, ZIP+4: Albuquerque NM 87102

P-6

7005 1820 0004 7483 3170

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 Proposal (AP-46) for the Pipeline Junction EME K-6, located in Section 6, Township 20 south, Range 37 east, Lea County, New Mexico, approximately 4 miles west-southwest 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 groundwater investigation activities: (1) Define regional ground water flow direction, potential sources of chloride in ground water and ambient ground water chemistry, (2) further delineation of the vertical and lateral extent of soil impact, and (3) evaluate flux in the vadose zone and threat to groundwater impact.

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 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.

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

Jay Lazarus
PO BOX 5727
Santa Fe, NM 87502

EMEP-6

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by (Printed Name) [illegible] C. Date of Delivery JAN 10 2006

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

UNITED STATES POSTAL SERVICE USPS

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

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number
(Transfer from service label) 7005 1820 0004 7483 3330

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

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

Leapartners LP
PO BOX 870849
Mesquite, TX 75187-0849

P 6

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Sandra Lorton ☑ Agent ☐ Addressee

B. Received by (Printed Name) Sandra Lorton
C. Date of Delivery 1/20/06

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

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

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number
(Transfer from service label) 7005 1820 0001 6804 4097

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