

1R - 428-44

REPORTS

DATE:

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**F-29-1a Vent
Section 29, T18S, R38E**

Closure Report

NMOCD Case #: 1R428-44

R. T. Hicks Consultants, Ltd.

901 Rio Grande Blvd. Suite F-142
Albuquerque, NM 87501

R. T. HICKS CONSULTANTS, LTD.

901 Rio Grande Blvd NW ▲ Suite F-142 ▲ Albuquerque, NM 87104 ▲ 505.266.5004 ▲ Fax: 505.266-0745

March 27, 2008

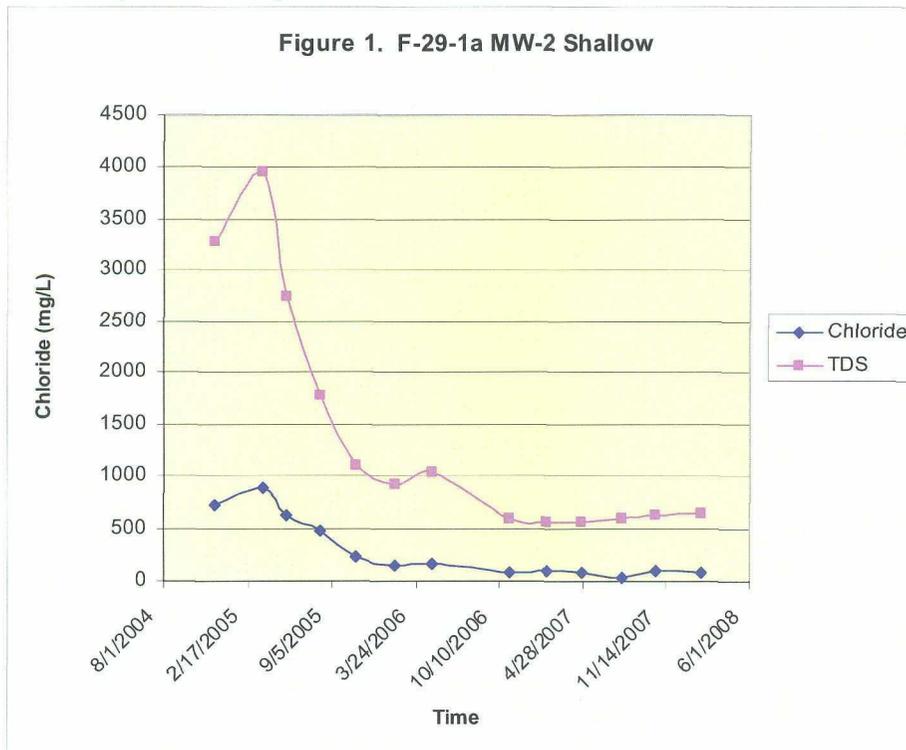
Mr. Ed Hansen
New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

RE: F-29-1a Vent, Section 29, T18S, R38E, unit "F"
Hobbs SWD System Abandonment
Closure Report
NMOCD Case #: **1R428-44**

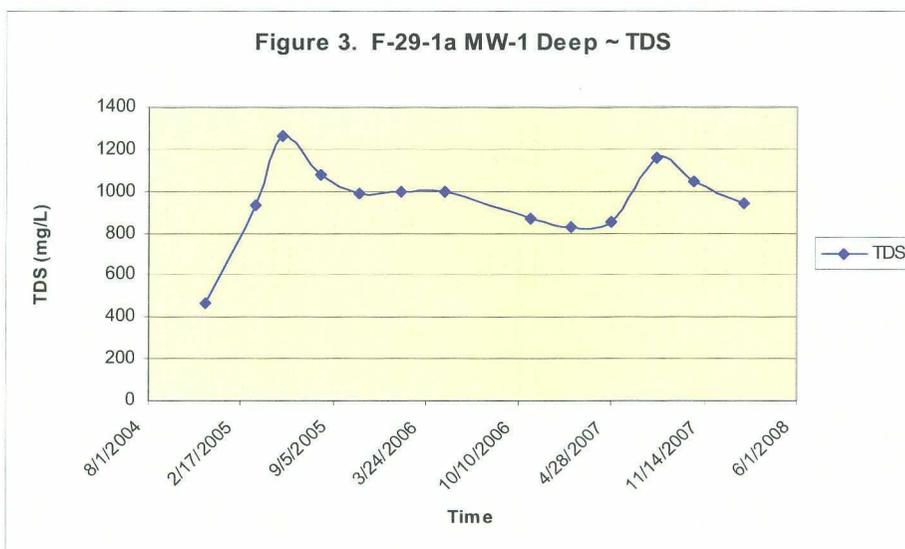
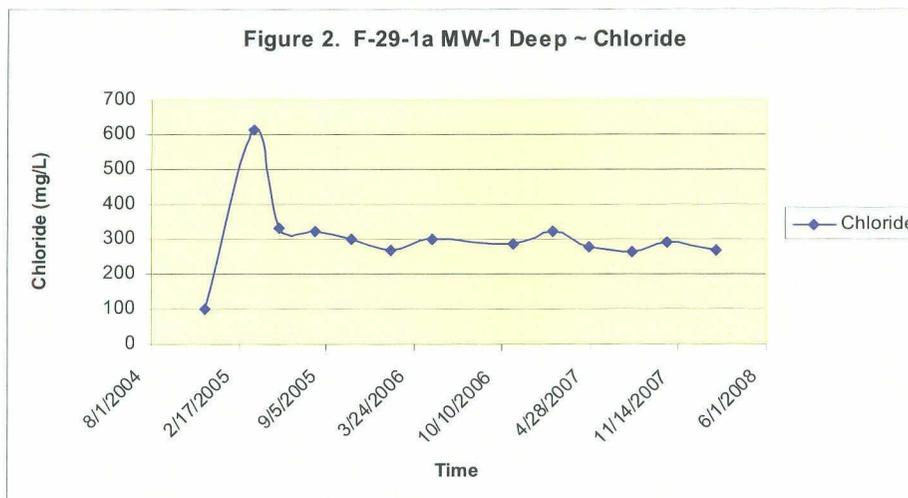
Dear Mr. Hansen:

This letter and appendices are the final Closure Report for the F-29-1a Vent site referenced above. The NMOCD approved Corrective Action Plan (Section 8.3.2, page 14) calls for restoration of the ground surface and re-vegetation, which was completed August 1, 2006.

Figure 1 shows that chloride concentrations since monitoring began in December 2004 in MW-2 (shallow) at the site. The last eight quarters in this well are all below 250 mg/L, TDS concentrations have been below 1,000 mg/L with the exception of a concentration of 1,040 mg/L in May of 2006. We believe this TDS anomaly is reflective of natural fluctuation and laboratory uncertainty.



As discussed in previous submissions (page 3 of the November 2005 CAP), water quality in monitoring well F-29-1a MW-1 (deep) is above WQCC Standards due to regional (up gradient) sources not associated with the F-29-1a site. Chloride and TDS in the deep well at the site are shown in Figures 2 and 3. Concentrations for both chloride and TDS remain slightly above or below standards.



In November of 2005, at the time of our writing of the CAP, we could find no evidence to link chloride in ground water to releases from the site. It appeared that the concentrations of chloride in the shallow well at the site in 2005 were also due to regional sources.

March 27, 2008

Page 3

However, ground water data in the shallow well over the past three years show a decline in TDS which suggests that minor leakage could have occurred at the site and the subsequent eight quarters of low TDS ground water are due to:

- Cessation of minor releases of produced water with the abandonment of the Hobbs SWD system in 2002,
- Installation of an effective vegetative cap at the site per our Corrective Action Plan in 2006 plus,
- Natural dilution and dispersion in the aquifer.

We have completed the NMOCD approved Corrective Action Plan and observed eight quarters of ground water below WQCC standards in the shallow well at F-29-1a and respectfully request NMOCD approve site closure in writing.

Appendix A includes the junction box closure form. Appendix B provides photographs of the re-vegetation at the site in 2006 and 2008. Appendix C includes copies of previous submissions and correspondence. As noted in the CAP, ROC plans to leave the well at this site in until it is no longer needed. We will notify NMOCD prior to plugging and abandoning this monitor well.

Thank you for your attention to this matter.

Sincerely,
R.T. Hicks Consultants, Ltd.



Katie Lee
Project Scientist

Copy: Rice Operating Company
Hobbs NMOCD Office

Appendix A:

Jct. Box Final Report

R. T. Hicks Consultants, Ltd.
901 Rio Grande Blvd. Suite F-142
Albuquerque, NM 87501

RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT

BOX LOCATION

| SWD SYSTEM | JUNCTION | UNIT | SECTION | TOWNSHIP | RANGE | COUNTY | BOX DIMENSIONS - FEET | | |
|------------|--------------|------|---------|----------|-------|--------|----------------------------|-------|-------|
| | | | | | | | Length | Width | Depth |
| Hobbs | F-29-1A vent | F | 29 | 18S | 38E | Lea | no box--System Abandonment | | |

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER Occidental Petroleum Corp. (OXY)

Depth to Groundwater 58 feet NMOCD SITE ASSESSMENT RANKING SCORE: 10

Date Started 11/3/2004 Date Completed 8/1/2006 NMOCD Witness no

Soil Excavated 20 cubic yards Excavation Length 44 Width 39 Depth 0.317 feet

Soil Disposed 20 cubic yards Offsite Facility Sundance Location Eunice, NM

General Description of Remedial Action:

This site was a junction box that was eliminated as part of the Hobbs SWD System abandonment.

For a summary of remediation activities at this junction box site, refer to the Closure Report submitted by R.T. Hicks Consultants of Albuquerque.

enclosures: closure report

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

SITE SUPERVISOR R. T. Hicks Consultants Albuquerque, NM

REPORT ASSEMBLED BY Knstin Farris Pope

SIGNATURE *Knstin Farris Pope*

DATE 3/19/2008

TITLE Project Scientist

Appendix B:

**Photo documentation of
Re-vegetation**

R. T. Hicks Consultants, Ltd.
901 Rio Grande Blvd. Suite F-142
Albuquerque, NM 87501

R. T. HICKS CONSULTANTS, LTD.

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Appendix B - Photo documentation of Re-Vegetation at F-29-1a Vent



Figure 1: View of F-29-1a showing re-seeding in August of 2006



Figure 2: View of F-29-1a showing re-vegetation in September of 2006



Figure 3: View of F-29-1a showing re-vegetation in March of 2008

Appendix C:

**Previous Submissions &
Correspondence**

R. T. Hicks Consultants, Ltd.
901 Rio Grande Blvd. Suite F-142
Albuquerque, NM 87501

R. T. HICKS CONSULTANTS, LTD.

901 Rio Grande Blvd NW ▲ Suite F-142 ▲ Albuquerque, NM 87104 ▲ 505.266.5004 ▲ Fax: 505.266-0745

September 21, 2006

Mr. Wayne Price
New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

RE: Hobbs SWD Abandonment Program – Closure Request
F-29-1a, NMOCD Case #1R0428

Dear Mr. Price:

As you may recall, in November of 2005 we submitted a Corrective Action Plan for this site proposing restoration of the ground surface and re-vegetation of the vadose zone. As the attached photos demonstrate, these restoration efforts have been successful. We also attach data associated with the continued monitoring at the site. We conclude that ground water has not been impacted by any releases at the F-29-1a site and request that you close it without inclusion in Rule 19 as we discussed in February of this year.

Finally, we propose semi-annual monitoring of the well at this site for use as a data point for our continued work at the F-29 SWD site nearby. If you have any questions or concerns, please do not hesitate to contact us. Please note that we have included previous relevant correspondence, disclosure reports and previously submitted reports for the F-29-1a site as a Closure Report.

Sincerely,
R.T. Hicks Consultants, Ltd.



Katie Lee
Staff Scientist

Copy: Rice Operating Company

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

From: Price, Wayne, EMNRD

To: Randall Hicks

Cc: Kristin Farris Pope ; katie@rthicksconsult.com

Sent: Wednesday, February 15, 2006 4:50 PM

Subject: RE: Hobbs F-29-1A

OCD hereby approves of the corrective action plan with the following conditions:

1. Notify the OCD Santa Fe office and the OCD District office at least 48 hours in advance of all scheduled activities such that the OCD has the opportunity to witness the events and/or split samples during OCD's normal business hours.
2. Submit a final closure request with photo documentation upon completion of remedial work.

Please be advised that NMOCD approval of this plan does not relieve ROC of Responsibility should their 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 ROC of responsibility for compliance with any other federal, state, or local laws and/or regulations.

R. T. HICKS CONSULTANTS, LTD.

901 Rio Grande Blvd NW ▲ Suite F-142 ▲ Albuquerque, NM 87104 ▲ 505.266.5004 ▲ Fax: 505.266-0745

February 13, 2006

Mr. Wayne Price
New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

RE: Hobbs SWD Abandonment Program
F-29-1a, NMOCD Case #1R0428

Dear Mr. Price:

This submission responds to your February 2, 2006 email where you wrote:

"Pursuant to the technical meeting held in Hobbs on Feb 01, 2006, the OCD hereby approves of ROC's request for OCD to withdraw its requirement for an abatement plan for the F-29-1A vent site. OCD hereby rescinds the request for an abatement plan pursuant to Rule 19 with the following conditions:

1. The Current on site monitor well shall remain for future monitoring in the F-29 area.
2. ROC shall submit a corrective action plan within 30 days."

We ask that you accept the November 12, 2005 Corrective Action Plan as our final submittal for this site to satisfy your second condition outlined above. This November 2005 CAP states on page 14:

8.3.2 PROPOSED VADOSE ZONE CLOSURE

Restoration of the ground surface and re-vegetation is the vadose zone Corrective Action Plan for the site.

We believe the data and analysis presented in the report support this approach.

ROC plans to employ the monitoring well at the F-29-1a site for a variety of reasons and will continue quarterly sampling this well throughout 2006. With eight quarters of data, we can identify any seasonal water quality variations. After completion of the eight quarterly monitoring events in late 2006, ROC may propose annual or semi-annual sampling for this well. Please contact me or Kristin Farris Pope of ROC if you have any questions regarding this submission.

Sincerely,
R.T. Hicks Consultants, Ltd.



Randall T. Hicks
Principal

Copy: Rice Operating Company

From: Price, Wayne, EMNRD [mailto:wayne.price@state.nm.us]
Sent: Thursday, February 02, 2006 2:05 PM
To: Carolyn Doran Haynes; enviro@leaco.net
Cc: R@rthicksconsult.com; Gil Van Deventer; Sanchez, Daniel J., EMNRD; Sheeley, Paul, EMNRD; Johnson, Larry, EMNRD
Subject: Hobbs F-29-1A vent UL F sec 29-Ts18s-R38e 1R0428-44

Dear Ms. Haynes:

Pursuant to the technical meeting held in Hobbs on Feb 01, 2006, the OCD hereby approves of ROC's request for OCD to withdraw its requirement for an abatement plan for the F-29-1A vent site. OCD hereby rescinds the request for an abatement plan pursuant to Rule 19 with the following conditions:

1. The Current on site monitor well shall remain for future monitoring in the F-29 area.
2. ROC shall submit a corrective action plan within 30 days.

Please be advised that NMOCD approval of this request does not relieve ROC of Responsibility should their operations have failed 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 ROC of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Wayne Price
Oil Conservation Div.
1220 S. Saint Francis
Santa Fe New Mexico 87505

phone: 505-476-3487
fax: 505-476-3462

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R. T. HICKS CONSULTANTS, LTD.

901 Rio Grande Blvd NW ▲ Suite F-142 ▲ Albuquerque, NM 87104 ▲ 505.266.5004 ▲ Fax: 505.266-0745

November 14, 2005

Mr. Wayne Price
New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

RE: Hobbs SWD Abandonment Program
F-29-1a, NMOCD Case #1R0428

Dear Mr. Price:

On behalf of Rice Operating Company, R. T. Hicks Consultants, Ltd. is submitting this Vadose Zone Corrective Action Plan to permit closure of the F-29-1a Junction Box. This voluntary submittal principally addresses the vadose zone at the F-29-1a Junction Box, and supports our July 11, 2005 letter requesting to delay submission of a Stage 1 & 2 Abatement Plan until we meet with NMOCD staff to discuss the site. While we have not had the opportunity to meet with NMOCD regarding our June letter, we have conducted additional research, and included our findings in this vadose zone closure plan. As stated in this report, we have found no evidence that links a release from the F-29-1a Junction Box to the observed ground water impairment of the on-site monitoring well cluster.

We suggest at the future NMOCD meeting we discuss approaches to address ground water quality issues. This may include an addition well, continued monitoring, chemical ion analysis between existing monitor well data, and NMOCD recommendations. We believe that this analysis is needed prior to concluding the F-29-1a site should be included in a Rule 19 process.

After your review of this Corrective Action Plan and before NMOCD prepares a written response, we would like the opportunity to meet with you to discuss this report and work together to develop an appropriate path forward to resolve the ground water quality issue.

Sincerely,
R.T. Hicks Consultants, Ltd.



Randall T. Hicks
Principal

Copy:
Rice Operating Company

R. T. HICKS CONSULTANTS, LTD.

901 Rio Grande Blvd NW ▲ Suite F-142 ▲ Albuquerque, NM 87104 ▲ 505.266.5004 ▲ Fax: 505.266-0745

July 11, 2005

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

RE: Jct. F-29-1A UL F Sec 29, T18S, R38E
NMOCD Case # not assigned

Dear Mr. Sanchez

In your letter of May 5, 2005, NMOCD required Rice Operating Company (ROC) to submit an abatement plan for the above-referenced site on or before July 15, 2005. The data collected thus far at the F-29-1a junction box are inconclusive as to whether the junction box operations have impacted ground water.

We respectfully request an extension of 120 days for submission of a Stage 1 Abatement Plan.

Before the submittal of a Stage 1 Abatement Plan we would appreciate a meeting with NMOCD to discuss the data collected thus far and approaches to the characterization of the F-29-1a Junction Box site and the >250 ppm chloride concentration observed at the F-29-1a monitoring well.

We thank you in advance for permitting us the time to allow an informed decision regarding the applicability of Rule 19 to the F-29-1a junction box site.

Sincerely,
R.T. Hicks Consultants, Ltd.



Randall Hicks
Principal

Copy:
Kristin Pope, Rice Operating Company

November 12, 2005

**Corrective Active Plan
F-29-1a Junction Site**

Prepared for:

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

R.T. HICKS CONSULTANTS, LTD.

901 RIO GRANDE BLVD. NW, SUITE F-142, ALBUQUERQUE, NM 87104

1.0 EXECUTIVE SUMMARY

This Vadose Zone Corrective Action Plan presents the results of the characterization activities performed by R.T. Hicks Consultants (Hicks Consultants) and Rice Operating Company (ROC) at the F-29-1a Junction site. Based on field data, laboratory results, and predictive modeling, the vadose zone closure calls for restoration and re-vegetation of the ground surface and creation of a slight crown over the former junction box site to promote surface runoff. Using highly conservative input data, HYDRUS-1D modeling of this scenario predicts that future chloride concentrations in ground water will be less than 20 ppm above background concentrations (100 ppm). This proposed vadose zone closure is protective of ground water quality, human health and the environment.

Ground water in the two well cluster at the site exceeds the numerical standards for chloride, sulfate and total dissolved solids. Evidence suggests that the F-29-1a site is not the cause of this condition.

The Hobbs Salt Water Disposal System (SWD), which managed produced water from the late 1950s to the present, is now closed. Future releases from the system are not possible. Closure of facilities like the F-29-1a Junction within Hobbs SWD followed the August 6, 2004 NMOCD approved junction box closure plan. This plan calls for delineation of any impact from these sites during the closure process and states:

If 12-foot vertical delineation at the source reveals Target Concentrations for TPH or BTEX will not meet NMOCD guidelines or TPH and BTEX will meet guidelines but there is not a significant decline vs. depth in chloride concentration, the site-impact is judged to be outside the scope of this work plan and will become a risk-based corrective action (RBCA) project site.

The F-29-1a Junction site meets this criteria and this report describes characterization activities that are consistent with the NMOCD-approved workplan for this site. The characterization activities show that regulated hydrocarbons concentrations in the vadose zone are less than the screening levels employed by the New Mexico Environment Department. Field and laboratory analyses also show that chloride ion concentration in soil is less than 200 ppm and less than 125 ppm below 15-feet. Ground water samples from the well cluster installed at the site exceed the numerical standards for the state of New Mexico.

2.0 SUMMARY AND CONCLUSIONS

2.1 DATA SUMMARY

1. The F-29-1a Junction site is located in Section 29, T18S, R 38E, on the west side of Hobbs, New Mexico. This junction is part of the Hobbs Salt Water Disposal System.
2. R.T. Hicks Consultants supervised field activities at the F-29-1a Junction site in November 2004. In addition to general reconnaissance identified in the NMOCD-approved work plan, this included supervising the borehole sampling of the vadose zone from ground surface to ground water and drilling to a total depth of 102-feet followed by installation of a monitoring well cluster at the site.
3. Due to the dry and unconsolidated nature of the sand-silt material, the split spoon was unable to hold samples of the vadose zone from below 35-feet to the capillary fringe. Throughout this depth interval, samples from cuttings were collected instead. This is the only material deviation from the NMOCD-approved workplan.
4. Field analyses of headspace organic vapors measured readings above 1,000 ppm in soil samples from 11-feet bgs to 31-feet bgs. Below 31-feet bgs, readings remained at approximately 400 ppm to 59-feet bgs. Samples from 11-feet bgs, the highest PID reading, and 59-feet bgs, at the capillary fringe, were sent for laboratory analysis of BTEX.
5. Laboratory analyses confirm that regulated petroleum hydrocarbons are not present above screening levels employed by the Petroleum Storage Tank Bureau of the New Mexico Environment Department.
6. Chloride concentrations from the boring do not exceed 200 ppm. Chloride concentrations below 15-feet are less than 125 ppm.
7. Work by ROC and an NMOCD Consultant document regional ground water quality impairment in the area of the F-29-1a Junction site.

8. Ground water samples from the well cluster installed at the site show chloride, sulfate and TDS concentrations above the New Mexico numerical standards. However, no evidence from the soil boring and analytical program links chlorides in ground water to any potential past releases from the F-29-1a Junction Box.

2.2 CONCLUSIONS

1. HYDRUS-1D modeling of current conditions indicates that the residual chloride with concentrations greater than 100 ppm in the upper vadose zone would slowly migrate vertically creating a peak chloride concentration in ground water that is less than 120 mg/L.
2. This predicted minimal impact of 20 mg/L above background is observed in the model predictions from the present through 29 years from now with a peak concentration predicted 22 years from now. Chloride concentration in the aquifer are indistinguishable from background concentrations for all later times.
3. No evidence supports a conclusion that produced water releases from the F-29-1a Junction site migrated to ground water. All evidence supports a conclusion that any released regulated hydrocarbons have biodegraded to acceptable levels. All evidence supports a conclusion that any released brine was removed during the junction box closure.
4. Sampling, predictive modeling and the proposed vadose zone Corrective Action Plan shows that constituents of concern in the vadose zone will not with reasonable probability impact ground water or surface water, in excess of the numerical ground water standards through leaching, percolation, or other transport mechanisms, or as the water table elevation fluctuates.

2.3 PROPOSED VADOSE ZONE CLOSURE

After the proposed surface restoration and re-vegetation, the site will meet the criteria for closure. Closure of the regulatory file with respect to the vadose zone is possible for the F-29-1a Junction site.

3.0 INVESTIGATION

The F-29-1a Junction was a component of the Hobbs salt water disposal (SWD) system. With the abandonment of the system in 2002, Rice Operating Company (ROC) excavated and removed the F-29-1a junction and the uppermost 10-12-feet of the vadose zone. At the time of the field investigation, the excavation was filled with a sand-clay caliche. Appendix A presents additional information regarding the Hobbs SWD system.

3.1 SITE LOCATION AND LAND USE

Appendix A includes a regional location map showing the location of the site relative to selected other components of the Hobbs SWD system and public roads. Plate 1 is an aerial photograph of the site when it was active, taken between 1996 and 1998. Plotted on Plate 1 is the location of the monitoring well at the site, the nearby monitoring wells at the ROC F-29 SWD site, and the Truck By-Pass. As shown in Plate 1, the land use of the area is residential, commercial and oil production.

3.2 WATER WELL INVENTORY

Appendix B presents the locations and other data for wells within the *Office of the State Engineer database for the area within 1-mile of the F-29-1a junction box site and the adjacent area.*

3.3 CHARACTERIZATION ACTIVITIES

In November, 2004, R. T. Hicks Consultants, ROC, and Eades Drilling mobilized to conduct an exploratory drillings at the site and a background soil boring. The location of the borehole at the site is within two feet of the marking plate. Drilling commenced with collection of two foot long split spoon samples at 5-foot intervals. Appendix A presents the results of the background soil boring.

From 0-35 feet below land surface, split spoon samples were taken at 5-foot intervals. The dry and unconsolidated nature of the sand-silt below a depth of 35-feet caused loss of sample during retrieval of the split spoon. Continued attempts to collect split spoon samples below 35-feet were unsuccessful until a depth of 56-feet below ground surface (bgs). Due to increased soil moisture at this depth, samples were collected with the split spoon to near ground water at 59-feet bgs. In the interval between 35-feet bgs and 55-feet bgs, samples were collected from cuttings. This is the only material deviation from the NMOCD-approved workplan.

In the field, ROC evaluated samples from each depth for chloride and used the heated headspace method to measure total organic vapors by PID. Samples were submitted to the laboratory from depths showing the highest field chloride and PID measurements (11-foot bgs) and from the capillary fringe (59-foot bgs).

4.0 REGIONAL GEOLOGY AND HYDROGEOLOGY

Appendix A describes the hydrogeology of the Hobbs SWD system area.

5.0 CHARACTERISTICS OF THE VADOSE ZONE

The upper vadose zone profile at the site is composed primarily of a very fine-grained sand-silt with a series of caliche layers. As shown in Plate 2, the top 13- feet consist of sand, clay and loose caliche. This material appears to be imported fill in the excavation.

From 13-feet bgs to 18-feet bgs exists a caliche formed in a tan sand-silt. The caliche from 18-feet bgs to 21-feet bgs is well indurated. Several additional 'hard' layers lie between 21-feet and 24-feet bgs. Below this, the very fine-grained sand-silt is reddish tan. One-foot thick caliche layers are at 36-feet bgs and at 48-feet bgs. The bit penetrated moist sediment at 59-feet bgs. Problems with borehole collapse in the saturated zone resulted in Eades completing the rest of the boring with water as the drilling medium rather than air.

ROC staff performed field chloride measurements every five feet starting at 6-feet bgs as detailed earlier and presented in Appendix C and Figure 1. Because of difficulty in collecting sufficient material of the well indurated caliche layer at 22-feet bgs, an additional sample was collected at this depth to assist in verifying the result. At 6-feet bgs, within the imported fill, field tests identified the peak field chloride measurement of 203 mg/kg. Below this depth, chloride measurements declined. Field measurements above 100 mg/kg do not exist below 16-feet bgs. Field chloride measurements obtained from the nearby background soil boring (see Appendix A) are essentially the same as measurements below 11-feet bgs obtained from this boring.

Field PID measurements attained a maximum of approximately 1,600 ppm at 11-feet bgs (Appendix C), within the imported fill. In all samples from 11-feet bgs to 31-feet bgs, PID readings exceeded 1,000 ppm. Below 31-feet bgs, readings remained at approximately 400 ppm to 59-feet bgs.

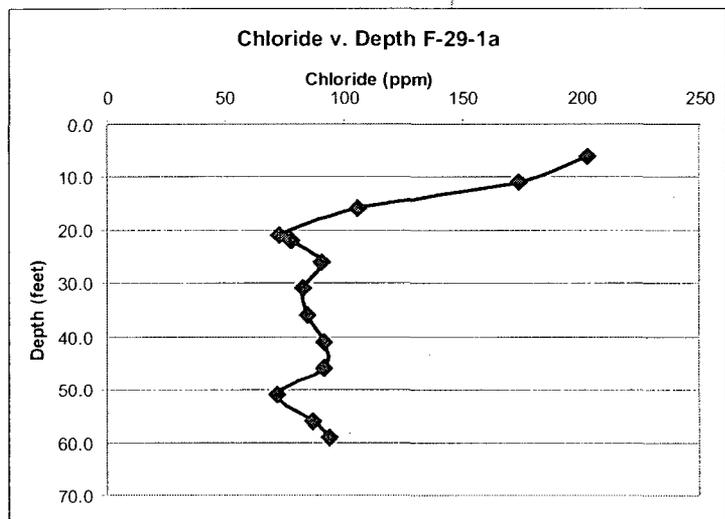


Figure 1. Chloride measurements.

Samples from 11-foot bgs and 59-foot bgs were sent for laboratory analysis of BTEX. The Laboratory did not detect petroleum hydrocarbon constituents of concern (see Appendix C).

5.1 EXTENT AND MAGNITUDE OF CONSTITUENTS OF CONCERN IN THE VADOSE ZONE

The boring program demonstrates that constituents of concern do not exist in the vadose zone in concentrations that warrant additional investigation. Although PID readings exceeded 1,000 ppm from 11- to 31-foot bgs, the laboratory did not detect regulated hydrocarbon constituents. The presence of vapors and/or discoloration of samples and the absence of regulated hydrocarbon constituents are very common. As explained in Appendix A, after cessation of constant input of produced water to the subsurface, natural volatilization and biodegradation effectively remove these constituents.

Natural processes do not remove chloride or sulfate from the environment. Dilution and dispersion in the vadose zone reduce concentrations of these constituents, but the mass released at a site is unchanged over time. At the F-29-1a site, vadose zone concentrations of chloride (which is an effective tracer of produced water releases) are very low. The fact that vadose zone samples exhibit PID readings greater than 1,000 ppm demonstrate that produced water affected the samples and therefore the boring was placed correctly to determine the extent and magnitude of any produced water release. Low chloride concentrations are not unusual at sites where residual asphaltic hydrocarbons fill the pore space and minimize the transport of produced water. See Appendix A and the next section of this report for a more detailed description of this phenomenon.

6.0 CHARACTERISTICS OF THE SATURATED ZONE

The borehole was completed at a depth of 102-feet by drilling with water from 59-feet bgs to 102-feet bgs. The cuttings consisted of a fine grained sand-silt. Two nested wells were installed. The deep well (F-29-1a B-2-1) is screened between 99-feet and 94-feet bgs. The 20-foot shallow well screen (F-29-1a B-2-2) straddles the water table with the top of the screen at a depth of 52 feet (Plate 2).

Appendix A presents a more detailed discussion of hydraulic gradient and hydraulic conductivity of the saturated zone. Appendix A shows the hydraulic gradient of the area is 0.0063. Assuming a hydraulic conductivity of 45 ft/day (Musharrafiéh and Chudnoff, 1999), ground water flux is calculated as 8.6 cm/day. Direction of flow is to the south-east (Appendix A, Plate A-4).

6.1 GROUND WATER QUALITY

The ground water chemistry of the monitor well cluster over the past four quarters is shown in Figure 2. After the first sampling event, the chloride concentration rose, as did the chloride concentration of the shallow well. Over the past three quarters, Figure 2 shows that the shallow well consistently exhibits a higher chloride concentration than the deeper well. Sulfate and TDS follow a similar pattern.

Hydrocarbon constituents of concern were below laboratory detection limits (Appendix C) in all ground water sampling events.

6.2 EXTENT AND MAGNITUDE OF SULFATE AND CHLORIDE IN THE SATURATED ZONE

Appendix A provides a description of the regional ground water hydrogeology and quality.

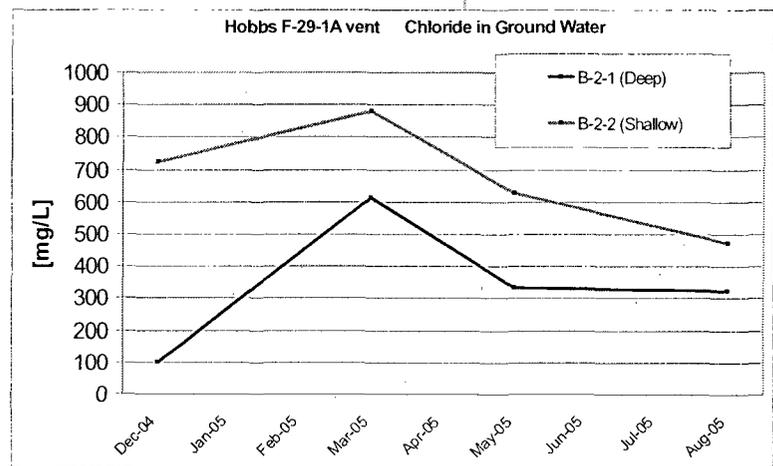


Figure 2. Ground water chemistry.

7.0 CONCEPTUAL MODEL OF SUBSURFACE PRODUCED WATER RELEASE

Junctions within the gravity-flow pipelines of the system consisted of a T-intersection of pipes within a wooden catchment box containing the junction. Due to the nature of junctions in these systems, a surge of produced water and entrained hydrocarbons could cause a failure of the pipe connection seals and releases of produced water. The conceptual model presented in Appendix A discusses how produced water releases generally occur within gravity driven water disposal systems, such as the Hobbs SWD. The conceptual model relies upon eyewitness accounts of recent releases and observations of subsurface chemistry.

From discussions with individuals familiar with these systems and from field inspection of the surface soils at the site, periodic leaks that occurred at the F-29-1a junction site were probably effectively contained within the junction box and shallow vadose zone and chloride did not migrate below the depth excavated by ROC (about 10-feet).

This conclusion is fully supported by the data. Note from the boring log shown in Plate 2 that the fine-grained caliche zone between 16-22-feet and the very fine sand between 22- and 31-feet below ground surface shows evidence of hydrocarbon intrusion as relatively high PID measurements and an observation of hydrocarbon odor in the samples. Yet both field and laboratory analyses returned chloride results below 200 ppm. Laboratory results of the vadose zone also showed that regulated hydrocarbon constituents were below the detection limits. These data create a chloride and hydrocarbon common chemical "signature" in the vadose zone that supports the conceptual model described in Appendix A where petroleum hydrocarbons in released produced water clog the pores of the upper vadose zone and the interior of the junction box creating a very low permeability asphaltic liner in the box and a low permeability zone below the box.

Over time, the regulated constituents that were once present in the crude oil degrade or volatilize. Because the asphaltic crude now occupies much of the pore space of the upper vadose zone, the mass of residual produced water in these samples is quite low, which results in the reported low chloride concentrations. While analyses of cuttings can produce reliable chloride concentrations (i.e. from 35- to 56-feet below

grade) PID readings from air-rotary cuttings do not permit an accurate evaluation of the penetration of hydrocarbons into the vadose zone. Low PID readings from split-spoon core samples at the capillary fringe do confirm that hydrocarbons did not penetrate the entire vadose zone.

8.0 VADOSE ZONE CLOSURE PLAN

8.1 METHODS OF EVALUATION

The unsaturated flow model HYDRUS-1D simulated flow through the vadose zone. This output became the input to a simple ground water mixing model that predicts chloride concentration in a hypothetical well immediately down gradient of the site. Section 3.0 of Hendrickx and Others, *Modeling Study of Produced Water Release Scenarios*, (2005), provides a general description of this modeling approach (see References Section at the end of this document).

For subsurface releases like those within the Hobbs SWD System, the model uses a chloride profile (Figure 1) that is representative of the subsurface analyses in lieu of attempting to re-create the specific release history for the model input. The present chloride load within the soil profile is the result of all previous events at the site and is based upon field observation and analysis, not supposition. This is the most accurate modeling approach considering the available data available.

8.2 INPUT FOR SIMULATIONS

HYDRUS-1D employed a constructed soil profile based upon the results from this site and five other borings completed within Section 29 (see Appendix A).

Input data include very conservative dispersion lengths because of recent experience with similar soils south of Lovington, New Mexico. Standard practice calls for employing a dispersion length that is 10% of the model length. For each lithologic unit identified in Appendix A the model used an assumed dispersion length that was always less than 6 % of the model thickness (Table 1 presents the specific dispersion lengths for each lithology).

HYDRUS-1D calculated the initial soil moisture of the Section 29 soil profile by running a simulation for 45 years using the weather data from the Pearl Weather station on a dry soil

Table 1. HYDRUS-1D Dispersion Lengths

| Hydrus Profile 2 (excavated) | | | | |
|------------------------------|--------------|-------------|-----------------|---------------------|
| Material | Description | Length (cm) | Dispersion (cm) | % of Profile length |
| 1 | Sandy Loam | 30 | 50 | 2.778 |
| 2 | Caliche-sand | 60 | 30 | 1.667 |
| 3 | Caliche | 90 | 10 | 0.556 |
| 4 | Sand-silt | 1070 | 100 | 5.556 |
| 5 | Loamy sand | 550 | 100 | 5.556 |

column. Based upon experience with soils in this area, it is important that HYDRUS simulation experiments of different remedial strategies start with an initial estimated "steady state" soil moisture content. Because the simulation of the initial condition predicted only minimal changes in the moisture content profiles after year 30 of the initial simulation, the initial condition moisture content created by 45 years of weather data is more than sufficient. HYDRUS-1D used soil profiles hydrated in this manner in all simulations of chloride movement discussed later in this report.

As mentioned earlier, HYDRUS-1D used the observed (measured) chloride concentrations into the hydrated soil profile. Between samples, the profile employed linearly interpolated chloride concentrations based upon the field data generated by ROC personnel for all cells of the model. Because the site contained the junction of two lines, the effected area is small.

For weather data in the predictive modeling, HYDRUS-1D used Hobbs data from November 2003 to December 2004 plus an additional 45 years from the Pearl Weather Station, approximately 11 miles west of the Hobbs Airport. The Pearl Weather Station is the closest station to the I-29 Vent site featuring sufficiently complete weather data for the HYDRUS-1D input files. Only the more recent data from the Hobbs Airport is complete enough for HYDRUS-1D input.

As mentioned earlier, the calculated ground water flux is 8.6 cm/ day.

Table 2: Input Parameters for Simulation Modeling

| Input Parameter | Source |
|---|--|
| Vadose Zone Thickness - 60 feet | F-29-1a Field Data |
| Vadose Zone Texture (Plate 2 and Appendix A) | F-29-1a Field Data |
| Dispersion Length - <6% of model length | Professional judgement |
| Climate | 2004 Hobbs, NM data and Pearl Weather Station Data |
| Soil Moisture | HYDRUS-1D initial condition simulation |
| Initial soil chloride concentration profile | From ROC Field Measurements |
| Length of release parallel to ground water flow - 15 feet | Field Estimate |
| Background Chloride in Ground Water - 100 ppm | Chemical Analysis |
| Ground Water Flux - 8.6 cm/day | Calculated from published data |
| Aquifer Thickness - 10-feet | From Well Chloride data at the F-29-1a Site |

Field data at the F-29-1a site show that the aquifer is greater than 40-feet thick in this area. Due to vertical differences in hydrochemical signature at the F-29-1a site well cluster, restrictions to vertical flow must exist within the Ogallala aquifer of Section 29 (see Appendix A). Accordingly, the modeling experiment restricted aquifer thickness in the mixing model to 10-feet, which could cause an over-estimation of the chloride concentration in the imaginary monitoring well.

8.3 VADOSE ZONE CORRECTIVE ACTION PLAN

8.3.1 ALTERNATIVES EXAMINED

Using the input data described above, theHYDRUS-1D and ground water mixing model predict that no impairment of ground water will occur at this site (Figure 3). For this simulation, the modeling experiment assumed that vegetation is not present at the site. This is the "current condition" modeling experiment.

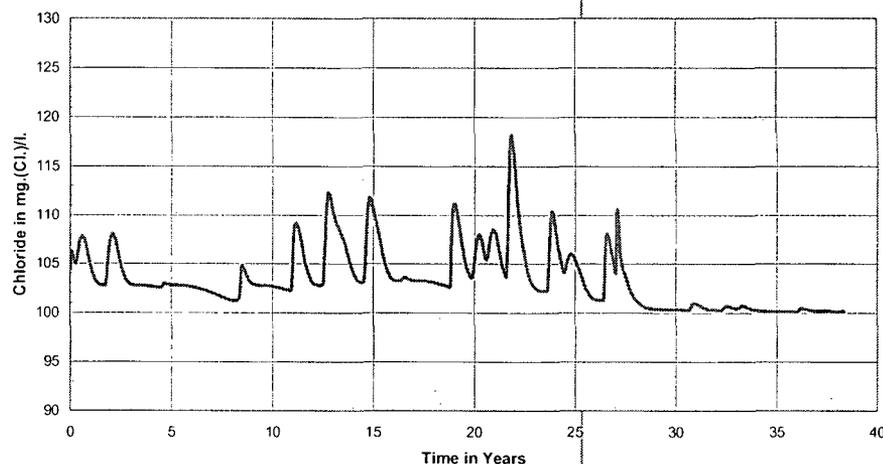
As field chloride data demonstrate, impacts at this site are marginally greater than background, so one would expect an insignificant impact to ground water quality. As shown on Figure 3, chloride concentration in the aquifer attains a maximum of less than 120 ppm approximately 22 years from now. The effect of this minimal chloride load is no longer distinguishable 29 years from now. Because the normal variation in chloride concentration from the wells at the F-29-1a site is much greater than 20 mg/L, the predicted chloride impact to ground water is too small to be discerned.

Because the modeling of current conditions did not predict ground water impairment, simulation of other potential remedies was not necessary.

8.3.2 PROPOSED VADOSE ZONE CLOSURE

Restoration of the ground surface and re-vegetation is the vadose zone Corrective Action Plan for the site.

Figure 3. Chloride Concentration in the Aquifer at the F-29-1a Site



Because chloride and hydrocarbon concentrations in the vadose zone show a very limited impact from the site, the model predicts and field data support a conclusion that past releases from the F-29-1a Junction Box did not impair ground water quality. With implementation of this Corrective Action Plan, residual constituents of concern in the vadose zone will not impair ground water quality.

8.3.3 PROPOSED VADOSE ZONE MONITORING PLAN

Because the laboratory did not detect regulated hydrocarbons, post closure monitoring is not necessary.

The residual chloride concentrations in the vadose zone are relatively low. Moreover, predictive modeling employing "conservative" input parameters do not predict a measurable increase in ground water chloride concentration. Therefore, post vadose zone closure monitoring is not necessary.

8.3.4 CRITERIA FOR CLOSURE OF THE VADOSE ZONE REGULATORY FILE

Sampling and predictive modeling show that constituents of concern in the vadose zone will not with reasonable probability contaminate ground water or surface water, in excess of the numerical ground water standards through leaching, percolation, or other transport mechanisms, or as the water table elevation fluctuates.

9.0 REFERENCES

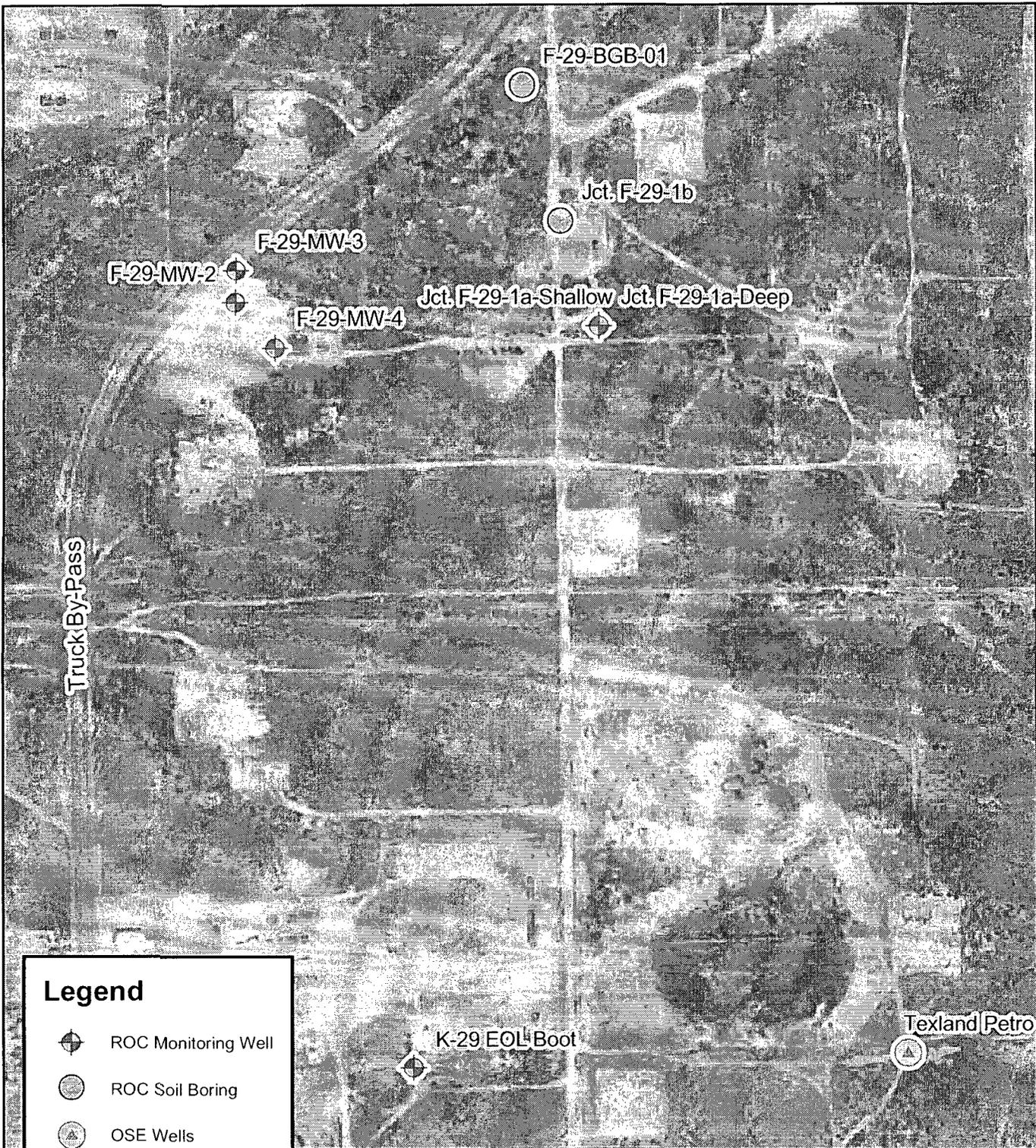
Ash, S.R., 1963, Ground water conditions in northern Lea County, U.S. Geological Survey Hydrologic Investigations Atlas HA-62

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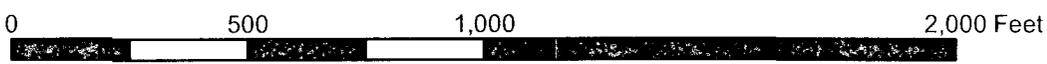
Nicholson Jr., A. and Clebsch, A., 1961, Geology and Ground Water Conditions of Southern Lea County, New Mexico, Ground Water Report 6, US Geological Survey, New Mexico Bureau of Mines and Mineral Resources

PLATES



Legend

-  ROC Monitoring Well
-  ROC Soil Boring
-  OSE Wells



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 Albuquerque, NM 87104
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1996-98 Aerial Photograph of Jct. F-29-1a

Rice Operating Company

Plate 1

November 2005

| | | | |
|-------------------------|----------------|---------------------------------|--|
| Logger: | David Hamilton | Client: | Well ID: F-29-1a B-2-1 (99 feet), F-29-1a B-2-2 (72 feet) |
| Driller: | Eades Drilling | Rice Operating Company | |
| Drilling Method: | Air Rotary | Project Name: | |
| Start Date: | 11/3/2004 | Hobbs F-29-1A | |
| End Date: | 11/6/2004 | Location: | |
| | | T18S R38E Section 29, Unit F | |

| Depth (feet) | Description | Lithology | Comments | Well Construction | Field data | | | | |
|--------------|--|-----------|--|---------------------------------------|------------|----------------|------|--|--------------------------------|
| | | | | | Depth | Chloride mg/kg | PID | | |
| 0.0 | Surface, 0 - 1 feet | | | Cement, 0 - 3 feet | | | | | |
| 2.0 | Caliche, clay, sand, moist, 1 - 13 feet, Some hydrocarbon impact | | | | 6.0 | 203 | 547 | | |
| 4.0 | | | | | 11.0 | 174 | 1575 | | |
| 6.0 | | | | | | | | | |
| 8.0 | | | | | | | | | |
| 10.0 | Caliche, fine grained sand, silt, light tan, 13 - 18 feet | | | | 16.0 | 106 | 1060 | | |
| 12.0 | | | | | 21.0 | 73 | 1242 | | |
| 14.0 | | | | | | | | | |
| 16.0 | | | | | | | | | |
| 18.0 | Caliche, well indurated, 18 - 21 feet | | Some odor | Hydrated bentonite, 3-50 feet | 22.0 | 78 | 1290 | | |
| 20.0 | Caliche with some well indurated layers, 21 - 24 feet | | | | 26.0 | 91 | 1006 | | |
| 22.0 | | | | | 31.0 | 83 | 1290 | | |
| 24.0 | | | | | | | | | |
| 26.0 | Very fine grained sand, silt, light reddish tan, 24 - 36 feet | | At 30 feet: Some hydrocarbon impact, strong odor | | 36.0 | 85 | 403 | | |
| 28.0 | | | | | 41.0 | 92 | 432 | | |
| 30.0 | | | | | | | | | |
| 32.0 | | | | | | | | | |
| 34.0 | Some caliche, 36 - 36.5 feet | | | | 46.0 | 92 | 354 | | |
| 36.0 | | | | | 51.0 | 72 | 527 | | |
| 38.0 | | | | | | | | | |
| 40.0 | Very fine grained sand, silt, tan - red, 36.5 - 48 feet | | | | 56.0 | 87 | 479 | | |
| 42.0 | | | | | 59.0 | 94 | 414 | | |
| 44.0 | | | | | | | | | |
| 46.0 | | | | | | | | | |
| 48.0 | Caliche layer, 48 - 48.5 feet | | | Sand, 50-74 feet Screen 52-72 feet | | | | | |
| 50.0 | Very fine grained sand, silt, tan - red, 48.5 - 59 feet | | At 59 feet: Bore collapsing, Probe is wet. Drilled with water below 59 feet | | | | | | |
| 52.0 | | | | | | | | | |
| 54.0 | | | | | | | | | |
| 56.0 | | | | | | | | | |
| 58.0 | Very fine grained sand, silt, tan - red, 59 - 102 feet | | | | | | | | |
| 60.0 | | | | | | | | | Hydrated bentonite, 74-92 feet |
| 62.0 | | | | | | | | | |
| 64.0 | | | | | | | | | |
| 66.0 | | | | | | | | | |
| 68.0 | | | | | | | | | |
| 70.0 | | | | | | | | | |
| 72.0 | | | | | | | | | |
| 74.0 | | | | | | | | | |
| 76.0 | | | | | | | | | |
| 78.0 | | | | | | | | | |
| 80.0 | | | | | | | | | |
| 82.0 | Sand, 92-99 feet Screen 94 - 99 feet | | | | | | | | |
| 84.0 | | | | | | | | | |
| 86.0 | | | | | | | | | |
| 88.0 | | | | | | | | | |
| 90.0 | Slump filled hole from 99-102 feet | | | | | | | | |
| 92.0 | | | | | | | | | |
| 94.0 | Slump | | | | | | | | |
| 96.0 | | | | | | | | | |
| 98.0 | | | | | | | | | |
| 100.0 | | | | | | | | | |
| 102.0 | | | | | | | | | |

| | | |
|---|-------------------------------|-----------------------|
| R.T. Hicks Consultants, Ltd 901 Rio Grande Blvd NW Suite F-142 Albuquerque, NM 87104 505-266-5004 | Hobbs F-29-1A Site | Plate 2 |
| | Monitoring Well Boring | September 2005 |

APPENDIX A

1.0 CONCEPTUAL MODEL OF SUBSURFACE PRODUCED WATER RELEASES

The Hobbs SWD System operated at a capacity of about 40,000 barrels/day from the late 1950s to the late 1980s. During the past decade, about 1,000 barrels/day flowed through the system until operations ceased in 2002.

People familiar with the site suggest that soil staining and other evidence of produced water leakage at various sites typically dates to the time when the system was operating at capacity. Accidental releases to the environment at many sites ceased in the 1990s and natural restoration has mitigated the effects of any past releases. At most release sites, no vegetation stress that can be attributed to past releases exists.

The System operated by gravity flow of produced water through pipelines, junction boxes, boots, tanks and disposal through injection into wells. Releases occur periodically due to gradual failures of seals, overflow of vent lines, or sudden and accidental releases. The length of time that produced water flows to the subsurface was short for sudden and accidental releases or vent overflow incidents. A failure of a seal or a small crack in a pipeline may have allowed a release to the subsurface for months or longer. Because of the efforts of ROC to routinely identify system failures and because the flow in the Hobbs SWD System materially declined during the past decade, only minor subsurface releases occurred in the Hobbs SWD System until operations ceased in 2002.

The distribution of constituents of concern (primarily chloride, secondary BTEX) in the surface soil and vadose zone is different for each release scenario. Releases of relatively large water volumes over long periods create saturated conditions between the release site and ground water. Where this type of release occurs, borehole data show a relatively constant chloride concentration of 2-4 times background concentration throughout the vadose zone. Due to the natural processes of sorption and biodegradation, petroleum hydrocarbons may not impact ground water even at sites where large volumes were released over long periods.

Episodic releases of small volumes of produced water will not always create saturation of the vadose zone. Where episodic releases occur in junction boxes or similar enclosures, spills of produced water and entrained crude oil infiltrate the vadose zone. After the spill ceases and the

produced water drains into the vadose zone, the entrained crude oil follows similar paths as the produced water with the difference that the higher viscosity and surface tension limits the depth of infiltration. After deposition of the oil within the near surface vadose zone pore spaces, volatilization of the lighter hydrocarbons from the crude oil and the aging process in general causes the formation of an asphaltic-sand that reduces or eliminates subsequent infiltration through that same flow path.

This conceptual model of produced water releases accounts for the distribution of chloride and regulated hydrocarbons observed at this and others salt water disposal systems. The depth of penetration of produced water depended primarily upon the size and frequency of releases, how quickly crude filled the pore spaces and reduced permeability, and the nature of the subsurface. At some sites, these three factors allowed produced water to penetrate less than 10 feet. At other sites where a relatively large volume of produced water entered the subsurface, penetration to depths greater than 10 feet occurred due to unsaturated and saturated flow.

Because the system operated under gravity flow, the produced water releases were generally episodic, being caused by temporary over-pressuring at a given location (e.g. a vent). The lack of constant pressure within the system typically caused releases of relatively small volumes. If the total volume released was relatively small, then one could observe relatively high chloride concentrations in the unsaturated zone with no impairment of ground water quality.

Improved operational and environmental practices of the 1980s and 1990s plus the clogged pore spaces caused by previously released crude caused saturated flow conditions, which may have existed at some sites, to change to much slower unsaturated flow. With this type of release, one could observe high concentrations of constituents throughout the vadose zone but no current impairment of ground water quality.

Impairment of ground water quality occurs only where the mass of constituents of concern in produced water entered ground water at a sufficient rate to overwhelm natural dilution and dispersion. Therefore, high concentrations of constituents in the vadose zone are not the only factor that determines if ground water is impaired; it is the flux (e.g. flow) of these constituents to ground water. However, if a soil column contains only low concentrations of constituents, then one may conclude that there is insufficient mass of constituents to impair ground water quality regardless of the flux.

In the absence of vadose zone saturation, the arid climate of New Mexico creates such a low flux to ground water that one can observe sequestration of the constituents of concern in the upper vadose zone (10-20 feet below land surface) for many years. Borehole data from these types of releases show high concentrations of chloride below the release site and a relatively sharp decline in chloride concentration to background conditions with depth. If the release is not recent, natural processes can reduce the concentrations of any residual hydrocarbons and eliminate any environmental risk to ground water. Figure 1 presents schematic representations of field chloride analyses that are common for saturated and unsaturated release scenarios.

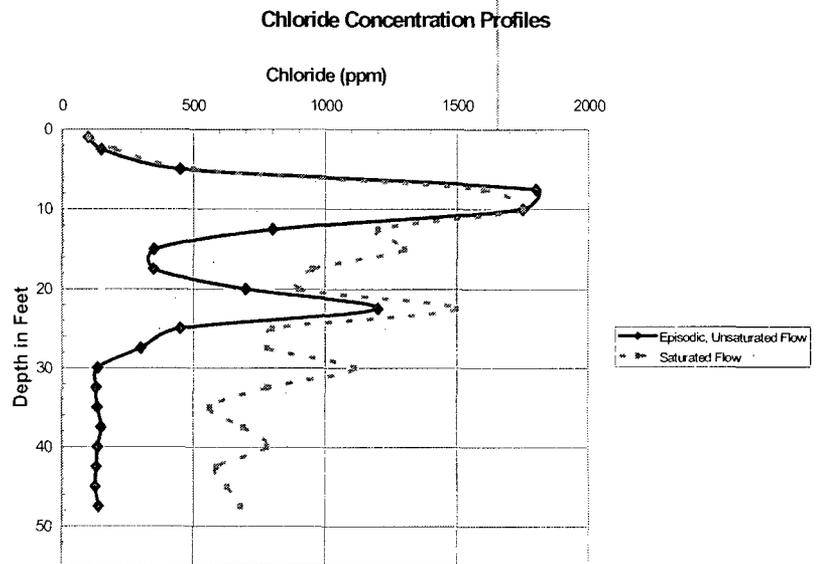


Figure 1. Schematic representations of field chloride analyses that are common for the two different release scenarios.

In summary, sites where chloride or other constituents of concern penetrated deep into the vadose zone probably experienced long-term releases of relatively large volumes of water; or crude was not released with the water and the filling of soil pores with asphaltic material did not occur. Where penetration of the vadose zone was less than 20-30 feet, the release was episodic and consisted of a relatively small volume of fluid.

Produced water potentially released to the environment from the Hobbs SWD System may contain the following regulated constituents:

- Benzene
- Ethylbenzene
- Toluene
- Xylenes
- Naphthalenes
- Total Dissolved Solids
- Chloride
- Sulfate

Because the fate and transport of released chloride is essentially identical to that of TDS and sulfate, soil samples can be evaluated for chloride

only; and one may remain confident that concentrations of chloride will indicate the presence of similar concentrations of other non-hydrocarbon constituents.

The regulated hydrocarbon constituents can behave independently of each other due to different rates of biodegradation and sorption. Field measurements of total organic vapors are very useful in providing a qualitative measure of the concentration of volatile organic constituents (e.g. benzene) in soil, and therefore, this field measurement is employed to identify which samples will undergo laboratory analysis.

2.0 HYDROGEOLOGY OF SECTION 29

2.1 CHARACTERISTICS OF THE VADOSE ZONE IN SECTION 29

Plate A-1 with Table A-1 shows:

- The location of monitoring wells and soil borings installed by ROC within Section 29,
- Private supply wells sampled by ROC,
- Supply wells with water sample data from by Intera's (2003), and
- Water supply wells that have lithologic information in Exhibit A-1 collected from the Office of the State Engineer (OSE).

Plate A-2 is the well log from the F 29-1a site, which is typical of the area. As is common in the Ogallala Formation throughout the High Plains, caliche dominates the uppermost vadose zone from 5-feet below surface to a depth of more than 20-feet. Below the caliche horizon, the boring penetrated tan and red very fine-grained sand and silt to the water table. Interbedded with the sand and silt are thin layers of caliche. The water table was intercepted between 60- and 65-feet.

Drillers' logs on file with the OSE and published descriptions of the upper Ogallala Formation (Nicholson and Clebsch, 1961; Ash, 1963) generally agree with the lithologic profile presented in Plate A-2. Beneath the thin layer of topsoil, caliche is present in the uppermost vadose zone to a depth of 24-28-feet. Below this caliche layer, several supply well logs report penetration of a clay/shale zone, which was not observed in the F-29-1a boring but may exist elsewhere in Section 29. As Plate A-2 shows, lithologic logs describe very fine grained sand and silt with thin layers of caliche between the surface and a depth of 24-feet and primarily a sand-silt to the total depth (102-feet). In the supply well logs, "sandstone" (which R.T. Hicks Consultants describes as "caliche") dominates the upper vadose zone to depth of about 25-feet; "sand" (which R.T. Hicks Consultants describes as "very fine grained sand-silt") dominates the lower vadose zone to a depth of about 65-feet.

Plate A-3 (see Composite Profile 1), which is a composite lithologic profile based upon available data, is considered to adequately represent the texture of the vadose zone and upper saturated zone throughout Section 29. The driller's logs that describe a clay/shale zone below the uppermost caliche suggest the uppermost vadose zone could be locally finer-grained than described in Plate A-2.

Plate A-3 also contains a second composite profile representing an excavated soil profile in Section 29, which is representative of sites where ROC removed portions of the upper vadose zone during the abandonment program. In this profile, the upper 19-feet (the maximum reach of a backhoe) of sand and caliche is replaced with a loamy sand. As the loamy sand has a higher hydraulic conductivity than the caliche and sand it replaces, overstating depth of excavation is conservative of ground water quality from a modeling viewpoint.

2.2 CHARACTERISTICS OF THE SATURATED ZONE IN SECTION 29

The saturated zone is the Ogallala Aquifer. Plate A-2 characterizes the saturated zone as well-sorted, fine-grained sand with thin layers of caliche and cemented sand, so the single well log on file at the OSE that extends to the top of the "Red Bed" (Dockum Group) does not describe a basal sand and gravel unit that is characteristic of the Ogallala throughout Lea County and the High Plains in general (Nicholson and Clebsch, 1961). The basal sand and gravel unit is probably present throughout the area, despite the lack of site-specific evidence.

Based upon the lithology of the saturated zone, the number and spacing of supply wells, and the size and use of several of these wells (e.g. 12 inches or more), the hydraulic conductivity of the saturated zone in Section 29 is similar to that observed for the Ogallala Aquifer throughout the general area. McAda (1984) simulated water level declines using a two-dimensional digital model and employed hydraulic conductivity values of 51-75 feet/day ($1.9 \text{ E-}4$ to $2.8 \text{ E-}4 \text{ m/s}$) in the area. More recently, Musharrafieh and Chudnoff (1999) employed values for hydraulic conductivity within this area of interest between 81 and 100 ft/day for their simulation. According to Freeze and Cherry (1979), these values correspond to clean sand, which agrees with the site lithologic description of the saturated zone.

For the Hobbs System sites, the saturated hydraulic conductivity of the uppermost saturated zone is assumed as 75 feet/day.

To create a potentiometric surface map for the site, USGS gauging data from 2001-2002 was employed. Table A-1 presents the water level data, and Plate A-4 is the result. Ground water flows east-southeast in Section 29 under a hydraulic gradient of approximately 0.0036. Locally, within Section 29, ground water flows east. In general, ground water flow in Section 29 is concluded to be east-southeast with a hydraulic gradient of 0.003.

Plate A-5 presents two hydrographs of nearby USGS wells showing that ground water elevations near Section 29 have decreased by 10-feet since

1985. Plate A-1 shows the locations of these two wells: near the airport and at the southern city limit of Hobbs.

2.3 GROUND WATER QUALITY IN SECTION 29

Data submitted to NMOCD by ROC data and data from the Intera report (2003) indicated no petroleum hydrocarbons were detected in ground water during that sampling event. Chloride ion is above the Water Quality Control Commission standard of 250 mg/L in many samples within and up gradient of Section 29. Plate A-6 presents the chloride concentrations in 2003 for wells sampled by Intera (2003) and ROC.

As Plate A-6 of this report and Figure 4 of the 2003 Intera report show, chloride concentration in Section 29 generally ranges between about 85 ppm and 140 ppm. Within Section 29, eight wells exceed the Water Quality Control Commission ground water standard of 250 ppm chloride. These wells are geographically distributed throughout Section 29. Plate A-6 also shows that two wells north of Section 29 and two wells west of the investigated sites also exceed the numerical standard. Up gradient and down gradient from wells that exceed the 250 ppm chloride standard are other wells that fall within the 85-140 ppm range that typifies Section 29.

The variation in chloride concentration expressed in map view (Plate A-6) might be explained if well screen intervals were known for these domestic supply wells. Unfortunately, well construction data for most of the sampled wells does not exist.

3.0 REFERENCES

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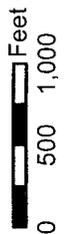
Nicholson Jr., A. and Clebsch, A., 1961, Geology and Ground Water Conditions of Southern Lea County, New Mexico, Ground Water Report 6, US Geological Survey, New Mexico Bureau of Mines and Mineral Resources

TABLES

Table A-1

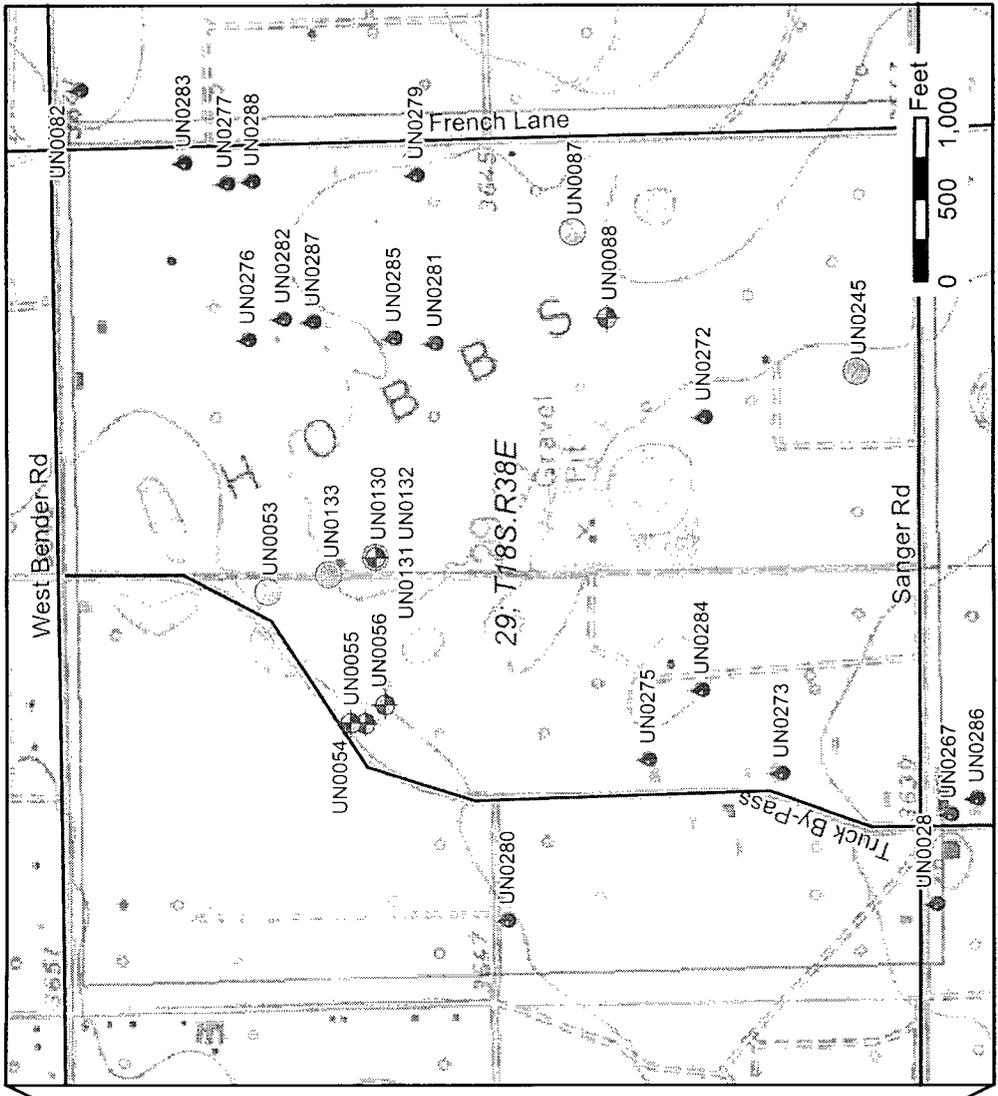
| Map ID | Well Name | X_UTM83 | Y_UTM83 | System | Location | Unit Letter | Well Type |
|---------|--|---------|---------|--------------|--------------------|-------------|-----------------|
| UN0005 | AA Oil Field Services | 671456 | 3622866 | | Sec 20, T18S, R38E | J | OSE Well |
| UN0020 | Bowlarama | 670888 | 3619268 | | Sec 32, T18S, R38E | M | OSE Well |
| UN0023 | Bulldog Tool Co. | 670984 | 3620040 | | Sec 32, T18S, R38E | F | OSE Well |
| UN0028 | Cat House Water Well | 670826 | 3620715 | | Sec 32, T18S, R38E | D | OSE Well |
| UN0053 | F-29-BGB-01 | 671407 | 3621969 | ROC Hobbs | Sec 29, T18S, R38E | F | Soil Boring |
| UN0054 | F-29-MW-2 | 671163 | 3621786 | ROC Hobbs | Sec 29, T18S, R38E | F | Monitoring Well |
| UN0055 | F-29-MW-3 | 671164 | 3621813 | ROC Hobbs | Sec 29, T18S, R38E | F | Monitoring Well |
| UN0056 | F-29-MW-4 | 671197 | 3621748 | ROC Hobbs | Sec 29, T18S, R38E | F | Monitoring Well |
| UN0082 | Hobbs Diesel Co. | 672343 | 3622328 | | Sec 28, T18S, R38E | D | OSE Well |
| UN0087 | I-29 EOL Boot | 672076 | 3621394 | ROC Hobbs | Sec 29, T18S, R38E | I | Soil Boring |
| UN0088 | I-29 Vent | 671917 | 3621330 | ROC Hobbs | Sec 29, T18S, R38E | I | Monitoring Well |
| UN0130 | Jct. F-29-1a | 671472 | 3621766 | ROC Hobbs | Sec 29, T18S, R38E | F | Soil Boring |
| UN0131 | Jct. F-29-1a-Deep (SWD B-2-1) | 671472 | 3621766 | ROC Hobbs | Sec 29, T18S, R38E | F | Monitoring Well |
| UN0132 | Jct. F-29-1a-Shallow (SWD B-2-2) | 671472 | 3621766 | ROC Hobbs | Sec 29, T18S, R38E | F | Monitoring Well |
| UN0133 | Jct. F-29-1b (SWD B-1) | 671440 | 3621854 | ROC Hobbs | Sec 29, T18S, R38E | F | Soil Boring |
| UN0229 | Mac Truck Co. | 672169 | 3623794 | | Sec 29, T18S, R38E | A | OSE Well |
| UN0245 | O-29 Vent | 671818 | 3620861 | ROC Hobbs | Sec 29, T18S, R38E | O | Soil Boring |
| UN0251 | Oil Field Rental Services | 672031 | 3623935 | | Sec 20, T18S, R38E | A | OSE Well |
| UN0261 | Pan American Petro | 672478 | 3619756 | | Sec 33, T18S, R38E | L | OSE Well |
| UN0267 | Smith's International | 670984 | 3620689 | | Sec 32, T18S, R38E | D | OSE Well |
| UN0270 | Stoebr Wire Co | 672147 | 3623586 | | Sec 20, T18S, R38E | H | OSE Well |
| UN0272 | Texland Petro (aka. WO-005) | 671734 | 3621152 | | Sec 29, T18S, R38E | J | OSE Well |
| UN0273 | Two Slate Tank Rental Co. | 671070 | 3621007 | | Sec 29, T18S, R38E | M | OSE Well |
| UN0275 | WO-001 | 671096 | 3621258 | Windmill Oil | Sec 29, T18S, R38E | K | OSE Well |
| UN0276 | WO-003 | 671878 | 3622011 | Windmill Oil | Sec 29, T18S, R38E | A | OSE Well |
| UN0277 | WO-004 | 672167 | 3622050 | Windmill Oil | Sec 29, T18S, R38E | A | OSE Well |
| UN0279 | WO-006 | 672183 | 3621695 | Windmill Oil | Sec 29, T18S, R38E | H | OSE Well |
| UN0280 | WO-007 | 670796 | 3621523 | Windmill Oil | Sec 29, T18S, R38E | E | OSE Well |
| UN0281 | WO-009 | 671872 | 3621659 | Windmill Oil | Sec 29, T18S, R38E | H | OSE Well |
| UN0282 | WO-010 | 671917 | 3621945 | Windmill Oil | Sec 29, T18S, R38E | A | OSE Well |
| UN0283 | WO-011 | 672206 | 3622132 | Windmill Oil | Sec 29, T18S, R38E | A | OSE Well |
| UN0284 | WO-012 | 671224 | 3621157 | Windmill Oil | Sec 29, T18S, R38E | K | OSE Well |
| UN0285 | WO-013 | 671881 | 3621737 | Windmill Oil | Sec 29, T18S, R38E | H | OSE Well |
| UN0286 | WO-014 | 671023 | 3620640 | Windmill Oil | Sec 32, T18S, R38E | D | OSE Well |
| UN0287 | WO-022 | 671911 | 3621889 | Windmill Oil | Sec 29, T18S, R38E | H | OSE Well |
| UN0288 | WO-024 | 672171 | 3622003 | Windmill Oil | Sec 29, T18S, R38E | A | OSE Well |
| UN0289 | WO-044 | 669954 | 3622169 | Windmill Oil | Sec 30, T18S, R38E | B | OSE Well |
| L 06660 | MORAN OIL PROD & DRILLING CORP L 06660 (E) | 669335 | 3622615 | | Sec 19, T18S, R38E | | OSE Well |
| L 06337 | INC. CAPITAN DRILLING COMPANY L 06337 | 670313 | 3622837 | | Sec 19, T18S, R38E | | OSE Well |
| L 08716 | OIL FIELD RENTAL SERVICE CO. L 08716 | 671608 | 3623764 | | Sec 20, T18S, R38E | | OSE Well |
| L 08851 | A.A. OILFIELD L 08851 | 671514 | 3623260 | | Sec 20, T18S, R38E | | OSE Well |
| L 08867 | BIG HORN TANK RENTAL L 08867 | 672040 | 3622160 | | Sec 29, T18S, R38E | | OSE Well |
| L 07570 | SOUTHWESTERN DRILLING MUD L 07570 | 670753 | 3620830 | | Sec 29, T18S, R38E | | OSE Well |
| L 07005 | TWO-STATE TANK RENTAL CO L 07005 | 670753 | 3621030 | | Sec 29, T18S, R38E | | OSE Well |
| L 11176 | TEXLAND PETROLEUM-HOBBS, LLC L 11176 | 671752 | 3621246 | | Sec 29, T18S, R38E | | OSE Well |
| L 02395 | AMERADA PETROLEUM CORPORATION L 02395 | 669522 | 3622018 | | Sec 30, T18S, R38E | | OSE Well |
| L 05849 | AMERADA PETROLEUM CORPORATION L 05849 | 669729 | 3621615 | | Sec 30, T18S, R38E | | OSE Well |
| L 02964 | BAKER OIL TOOLS INC. L 02964 | 670982 | 3619217 | | Sec 32, T18S, R38E | | OSE Well |
| L 02555 | SKELLY OIL COMPANY L 02555 | 670782 | 3619217 | | Sec 32, T18S, R38E | | OSE Well |
| L 02232 | CONTINENTAL TANKE INC. L 02232 | 672697 | 3619546 | | Sec 33, T18S, R38E | | OSE Well |

PLATES



Legend

- OSE wells with data *
- Monitoring Well * * See Table A-1
- Soil Boring *
- OSE Wells



UN0251
UN0229
UN0270

L 08716
L 08851

UN0005

L 06337

UN0289
UN0053
UN0055
UN0054
UN0133
UN0056
UN0130
UN0285
UN0281
UN0280
UN0275
UN0273
UN0284
UN0087
UN0088
UN0272
UN0245
UN0280
UN0270
UN0286
UN0028
UN0261
L 02232

UN0023

UN0020
L 02555L 02964

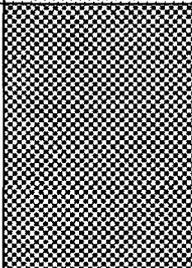
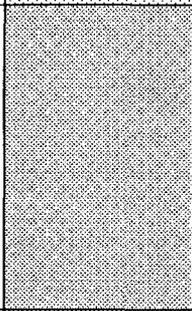
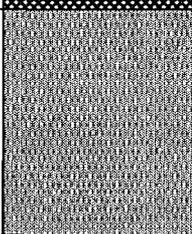
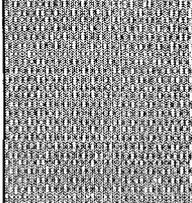
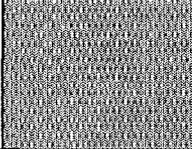
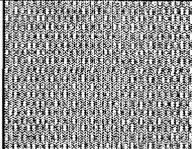
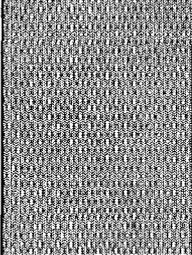
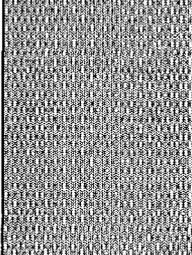
| | | |
|--|---|----------------------|
| <p>R.T. Hicks Consultants, Ltd 901 Rio Grande Blvd NW Suite F-142 Albuquerque, NM 87104 Ph: 505.266.5004</p> | <p>Well Location Map: Section 29 and Surrounding Area</p> | <p>Plate A-1</p> |
| | | <p>November 2005</p> |

| | | | | |
|-------------------------|----------------|---------------------------------|--|--|
| Logger: | David Hamilton | Client: | | Well ID: F-29-1a B-2-1 (99 feet), F-29-1a B-2-2 (72 feet) |
| Driller: | Eades Drilling | Rice Operating Company | | |
| Drilling Method: | Air Rotary | | | |
| Start Date: | 11/3/2004 | | | |
| End Date: | 11/6/2004 | Location: | | |
| | | T18S R38E Section 29, Unit F | | |

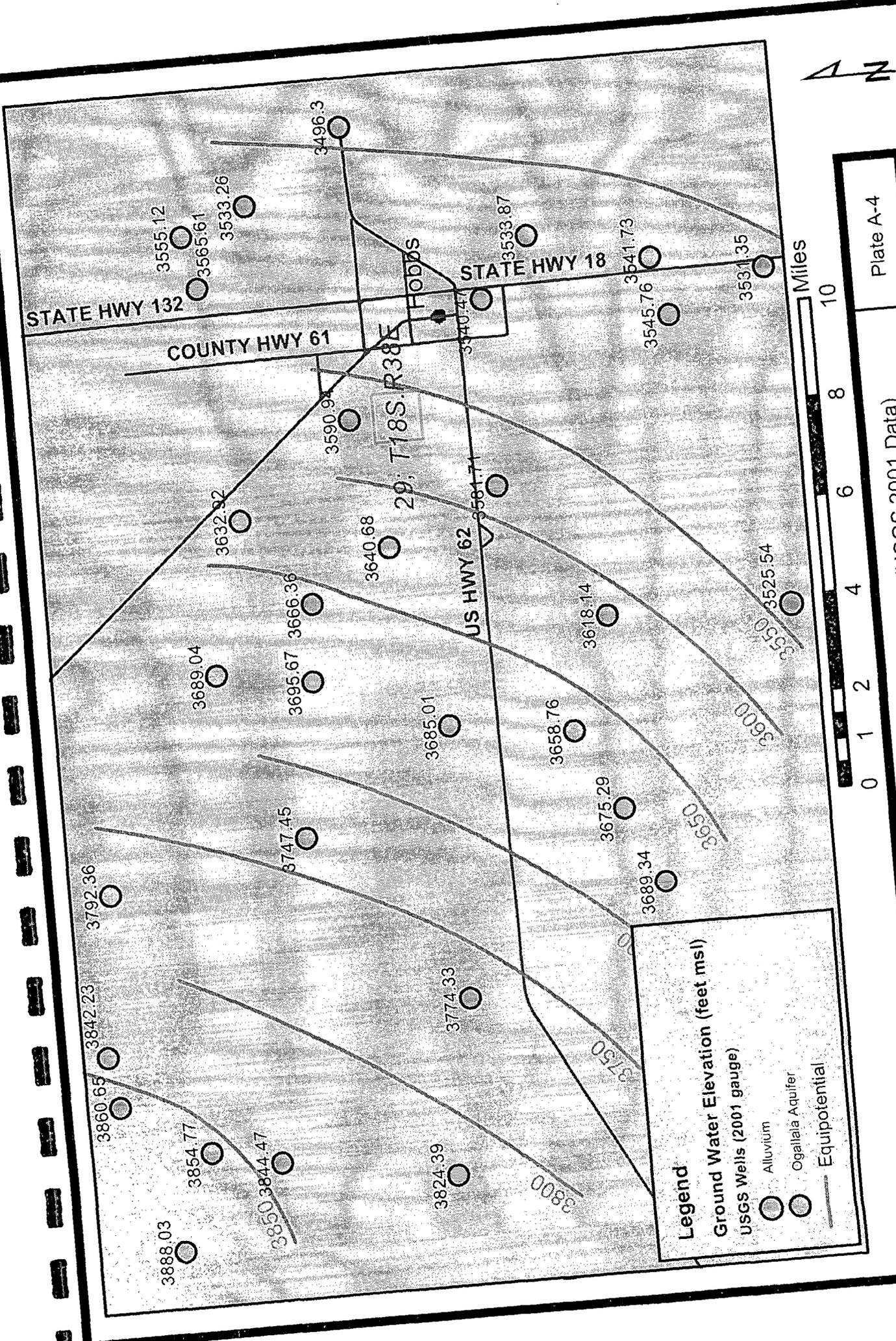
| Depth (feet) | Description | Lithology | Comments | Well Construction | Field data | | |
|--------------|--|-----------|--|--------------------|------------|----------------|------|
| | | | | | Depth | Chloride mg/kg | PID |
| 0.0 | Surface, 0 - 1 feet | | | Cement, 0 - 3 feet | | | |
| 2.0 | Caliche, clay, sand, moist, 1 - 13 feet, Some hydrocarbon impact | | | | 6.0 | 203 | 547 |
| 4.0 | | | | | 11.0 | 174 | 1575 |
| 6.0 | | | | | | | |
| 8.0 | | | | | | | |
| 10.0 | Caliche, fine grained sand, silt, light tan, 13 - 18 feet | | | | | | |
| 12.0 | | | | | | | |
| 14.0 | Caliche, well indurated, 18 - 21 feet | | Some odor | | | | |
| 16.0 | | | | | | | |
| 18.0 | Caliche with some well indurated layers, 21 - 24 feet | | | | | | |
| 20.0 | | | | | | | |
| 22.0 | Very fine grained sand, silt, light reddish tan, 24 - 36 feet | | At 30 feet: Some hydrocarbon impact, strong odor | | | | |
| 24.0 | | | | | | | |
| 26.0 | | | | | | | |
| 28.0 | | | | | | | |
| 30.0 | Some caliche, 36 - 36.5 feet | | | | | | |
| 32.0 | | | | | | | |
| 34.0 | Very fine grained sand, silt, tan - red, 36.5 - 48 feet | | | | | | |
| 36.0 | | | | | | | |
| 38.0 | | | | | | | |
| 40.0 | | | | | | | |
| 42.0 | Caliche layer, 48 - 48.5 feet | | | | | | |
| 44.0 | | | | | | | |
| 46.0 | Very fine grained sand, silt, tan - red, 48.5 - 59 feet | | | | | | |
| 48.0 | | | | | | | |
| 50.0 | | | | | | | |
| 52.0 | | | | | | | |
| 54.0 | Very fine grained sand, silt, tan - red, 59 - 102 feet | | At 59 feet: Bore collapsing, Probe is wet. Drilled with water below 59 feet | | | | |
| 56.0 | | | | | | | |
| 58.0 | | | | | | | |
| 60.0 | | | | | | | |
| 62.0 | Sand, 50-74 feet Screen 52-72 feet | | | | | | |
| 64.0 | | | | | | | |
| 66.0 | | | | | | | |
| 68.0 | | | | | | | |
| 70.0 | Hydrated bentonite, 74-92 feet | | | | | | |
| 72.0 | | | | | | | |
| 74.0 | | | | | | | |
| 76.0 | | | | | | | |
| 78.0 | Sand, 92-99 feet Screen 94-99 feet | | | | | | |
| 80.0 | | | | | | | |
| 82.0 | | | | | | | |
| 84.0 | | | | | | | |
| 86.0 | Slump filled hole from 99-102 feet | | | | | | |
| 88.0 | | | | | | | |
| 90.0 | | | | | | | |
| 92.0 | | | | | | | |
| 94.0 | Slump | | | | | | |
| 96.0 | | | | | | | |
| 98.0 | | | | | | | |
| 100.0 | | | | | | | |
| 102.0 | | | | | | | |

| | | |
|---|------------------------|----------------|
| R.T. Hicks Consultants, Ltd 901 Rio Grande Blvd NW Suite F-142 Albuquerque, NM 87104 505-266-5004 | Hobbs F-29-1A Site | Plate A-2 |
| | Monitoring Well Boring | September 2005 |

| | | |
|---------------------------|------------------------|--|
| HYDRUS-1D Profiles | Client: | |
| | Rice Operating Company | |
| | | |
| | Location: | |
| | T18S R38E | |
| | Section 29 | |

| Depth (feet) | Description | Current Profile | Description | Excavated Profile | Depth (feet) |
|--------------|----------------------------|---|----------------------------|---|--------------|
| 0.0 | Sandy loam, 0 - 2 feet | | Sandy loam 0-1 feet | | 0.0 |
| 2.0 | Sand, caliche, 2-17 feet |  | Loamy sand, 1-19 feet |  | 2.0 |
| 4.0 | | | | | 4.0 |
| 6.0 | | | | | 6.0 |
| 8.0 | | | | | 8.0 |
| 10.0 | | | | | 10.0 |
| 12.0 | | | | | 12.0 |
| 14.0 | 14.0 | | | | |
| 16.0 | Caliche, 17-19 feet |  | |  | 16.0 |
| 18.0 | Sand, silt 19-20feet |  | Sand, silt 19-20feet |  | 18.0 |
| 20.0 | Caliche, 20-22 feet |  | Caliche, 20-22 feet |  | 20.0 |
| 22.0 | Sand, silt 22-34 feet |  | Sand, silt 22-34 feet |  | 22.0 |
| 24.0 | | | | | 24.0 |
| 26.0 | | | | | 26.0 |
| 28.0 | | | | | 28.0 |
| 30.0 | | | | | 30.0 |
| 32.0 | | | | | 32.0 |
| 34.0 | Caliche, 34-35 feet |  | Caliche, 34-35 feet |  | 34.0 |
| 36.0 | Sand, silt, 35-45 feet |  | Sand, silt, 35-45 feet |  | 36.0 |
| 38.0 | | | | | 38.0 |
| 40.0 | | | | | 40.0 |
| 42.0 | | | | | 42.0 |
| 44.0 | Sand , caliche, 45-47 feet |  | Sand , caliche, 45-47 feet |  | 44.0 |
| 46.0 | Sand, silt, 47-59 feet |  | Sand, silt, 47-59 feet |  | 46.0 |
| 48.0 | | | | | 48.0 |
| 50.0 | | | | | 50.0 |
| 52.0 | | | | | 52.0 |
| 54.0 | | | | | 54.0 |
| 56.0 | | | | | 56.0 |
| 58.0 | 58.0 | | | | |
| 60.0 | 60.0 | | | | |

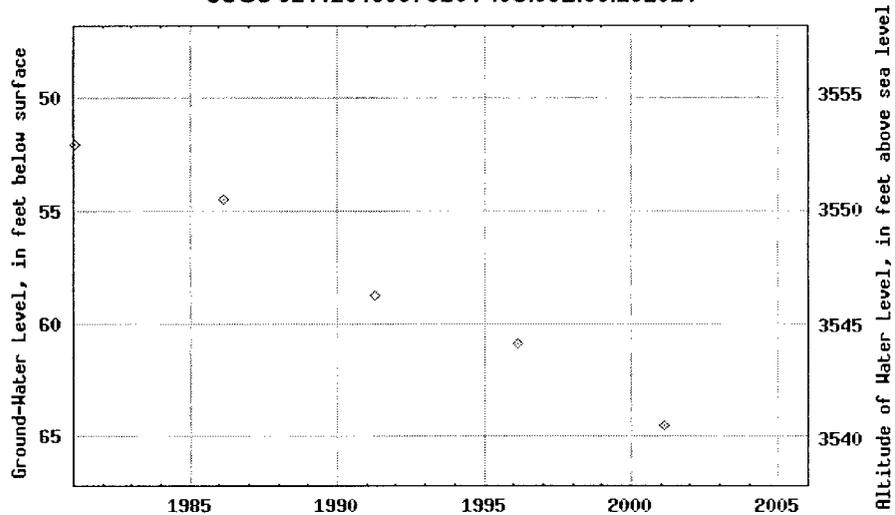
| | | |
|---|---|---------------------|
| R.T. Hicks Consultants, Ltd 901 Rio Grande Blvd NW Suite F-142 Albuquerque, NM 87104 505-266-5004 | Section 29 Sites | Plate A-3 |
| | Hydrus Profiles Developed from Exploratory Borings | October 2005 |



| | | |
|--|--|--------------|
| Potentiometric Surface Map (USGS 2001 Data) | | Plate A-4 |
| Rice Operating Company | | October 2005 |
| R.T. Hicks Consultants, Ltd 901 Rio Grande Blvd NW Suite F-142 Albuquerque, NM 87104 Ph: 505.266.5004 | | |



USGS 324120103075201 19S.38E.03.232321

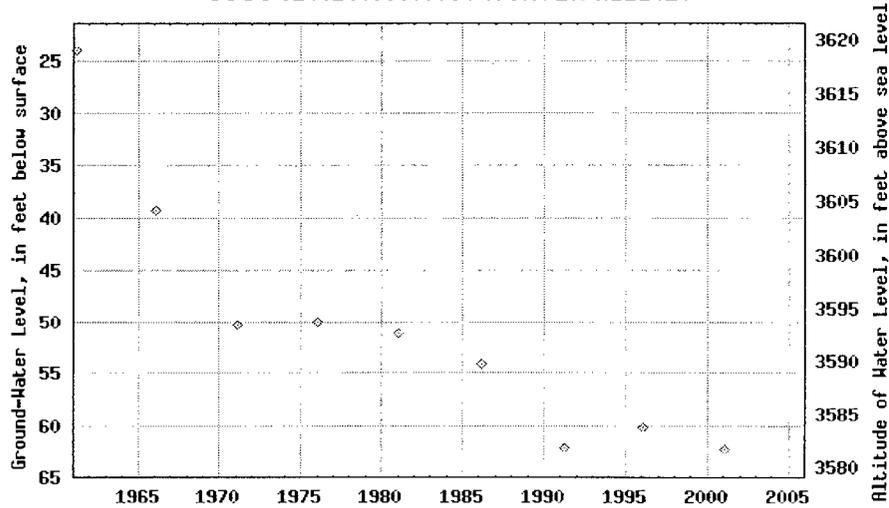


DATES: 01/13/1981 to 02/11/2005 23:59

Provisional Data Subject to Revision



USGS 324124103114801 19S.37E.01.222421



DATES: 02/24/1961 to 02/11/2005 23:59

Provisional Data Subject to Revision

R.T. Hicks Consultants, Ltd.
901 Rio Grande Blvd. NW, Suite F-142
Albuquerque, New Mexico 87104

USGS Hydrographs

Plate A-5

Rice Operating Company

October 2005

EXHIBIT A-1

WELL RECORD

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

Section 1

| | | | |
|--|--|--|--|
| | | | |
| | | | |
| | | | |
| | | | |

(A) Owner of well MORAN OIL PROD. & DRILLING CORP.
 Street and Number BOX 1919
 City MOORE State N.M.
 Well was drilled under Permit No. L-6660(E) and is located in the
NE 1/4 SW 1/4 SW 1/4 of Section 19 Twp. 18 S Rge. 38E
 (B) Drilling Contractor ABBOTT BRCS. License No. D-46
 Street and Number BOX 637
 City MOORE State N.M.
 Drilling was commenced MARCH 23 19 70
 Drilling was completed MARCH 23 19 70

(Plot of 840 acres)
 Elevation at top of casing in feet above sea level _____ Total depth of well 120'
 State whether well is shallow or artesian shallow Depth to water upon completion 48'

Section 2

PRINCIPAL WATER-BEARING STRATA

| No. | Depth in Feet | | Thickness in Feet | Description of Water-Bearing Formation |
|-----|---------------|-----|-------------------|--|
| | From | To | | |
| 1 | 48 | 92 | 44 | sand water |
| 2 | 114 | 120 | 6 | sand water |
| 3 | | | | |
| 4 | | | | |
| 5 | | | | |

Section 3

RECORD OF CASING

| Dia in. | Pounds ft. | Threads in. | Depth | | Feet | Type Shoe | Perforations | |
|---------|------------|-------------|-------|--------|------|-----------|--------------|------|
| | | | Top | Bottom | | | From | To |
| 7 | 23 | 10 | 1 | 120 | 120 | none | 75' | 120' |
| | | | | | | | | |
| | | | | | | | | |

Section 4

RECORD OF MUDDING AND CEMENTING

| Depth in Feet | Diameter Hole in in. | Tons Clay | No. Sacks of Cement | Methods Used |
|---------------|----------------------|-----------|---------------------|--------------|
| | | | | |
| | | | | |
| | | | | |

Section 5

PLUGGING RECORD

Name of Plugging Contractor _____ License No. _____
 Street and Number _____ City _____ State _____
 Tons of Clay used _____ Tons of Roughage used _____ Type of roughage _____
 Plugging method used _____ Date Plugged _____ 19 _____
 Plugging approved by: _____ Cement Plugs were placed as follows:

| No. | Depth of Plug | | No. of Sacks Used |
|-----|---------------|----|-------------------|
| | From | To | |
| | | | |
| | | | |

Basin Supervisor _____
FOR USE OF STATE ENGINEER ONLY
 Date Received 3-23-70
 File No. L-6660(E) Use OWD Location No. 18.35.19.33.23

LOG NO. _____ SECTION NO. _____

DATE RECEIVED _____

Section 6 LOG OF WELL

| Depth in Feet | From | To | Thickness in Feet | Color | Type of Material Encountered | No. of Secks Used |
|---------------|------|----|-------------------|-------|------------------------------|-------------------|
| 0 | 2 | | 2 | brown | SWIFT | |
| 2 | 22 | | 20 | gray | caliche | |
| 22 | 24 | | 2 | brown | sand (thin) | 13 |
| 24 | 44 | | 20 | brown | sand (water) | |
| 44 | 94 | | 50 | brown | old sand (rock) | 256 |
| 94 | 112 | | 18 | brown | sand tight | |
| 112 | 114 | | 2 | brown | sand rock | |
| 114 | 120 | | 6 | brown | sand water | |

RECORD OF MEASUREMENTS AND OBSERVATIONS

SECTION 7

SECTION 8

SECTION 9

SECTION 10

SECTION 11

SECTION 12

SECTION 13

SECTION 14

SECTION 15

SECTION 16

SECTION 17

SECTION 18

SECTION 19

SECTION 20

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well.

Well Driller: _____

L-6660 E back

SECTION 21

SECTION 22

SECTION 23

SECTION 24

SECTION 25

SECTION 26

SECTION 27

SECTION 28

SECTION 29

SECTION 30

SECTION 31

SECTION 32

SECTION 33

SECTION 34

SECTION 35

SECTION 36

SECTION 37

SECTION 38

SECTION 39

SECTION 40

SECTION 41

SECTION 42

SECTION 43

SECTION 44

SECTION 45

SECTION 46

SECTION 47

SECTION 48

SECTION 49

SECTION 50

WELL RECORD

FIELD ENGR. LOG

WELL RECORD

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

Section 1

Table with 4 columns and 4 rows for well location details.

(A) Owner of well CAPTAN DRILLING COMPANY, Inc. Street and Number P.O. Box 6225 City ODESSA 79760 State TEXAS Well was drilled under Permit No. L-6992 and is located in the SW 1/4 NE 1/4 SE 1/4 of Section 19 Twp. 18 S Rge. 38 E (B) Drilling Contractor Abbott Brothers License No. WD-46 Street and Number P.O. Box 637 City Hobbs 88240 State New Mexico Drilling was commenced June 10 19 Drilling was completed June 10 19 68

(Plat of 640 acres)

Elevation at top of casing in feet above sea level Total depth of well 110 State whether well is shallow or artesian shallow Depth to water upon completion 40

Section 2 PRINCIPAL WATER-BEARING STRATA

Table with 4 columns: No., Depth in Feet (From, To), Thickness in Feet, Description of Water-Bearing Formation. Contains data for sand and water layers.

Section 3 RECORD OF CASING

Table with 8 columns: Dia in., Pounds ft., Threads in., Depth (Top, Bottom) Feet, Type Shoe, Perforations (From, To). Contains data for casing 7.

Section 4 RECORD OF MUDDING AND CEMENTING

Table with 5 columns: Depth in Feet (From, To), Diameter Hole in in., Tons Clay, No. Sacks of Cement, Methods Used.

Section 5 PLUGGING RECORD

Name of Plugging Contractor License No. Street and Number City State Tons of Clay used Tons of Roughage used Type of roughage Plugging method used Date Plugged 19 Plugging approved by: Cement Plugs were placed as follows:

Table with 3 columns: No., Depth of Plug (From, To), No. of Sacks Used.

FOR USE OF STATE ENGINEER ONLY Basin Supervisor Date Received 12 28 1968

File No. L-6337 Use. O.W.D. Location No. 18.38.19423

STATE ENGINEER OFFICE

WELL RECORD

FIELD ENGR. LOG

Section 1. GENERAL INFORMATION

(A) Owner of well Oil Field Rental Service Co. Owner's Well No. L-8716
 Street or Post Office Address 1312 Kiowa
 City and State Hobbs, New Mexico 88240

Well was drilled under Permit No. L-8716 and is located in the:

a. $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ NE of Section 20 Township 18-S Range 38-E N.M.P.M.

b. Tract No. 8 of Map No. _____ of the First Unit of College Park Industrial

c. Lot No. _____ of Block No. _____ of the _____
 Subdivision, recorded in Lea County.

d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in the _____ Grant.

(B) Drilling Contractor Abbott Bros. Drilling License No. WD-46

Address P.O. Box 637, Hobbs, New Mexico 88240

Drilling Began 3/23/82 Completed 3/24/82 Type tools Cable Size of hole 8 $\frac{1}{2}$ in.

Elevation of land surface or _____ at well is _____ ft. Total depth of well 130 ft.

Completed well is shallow artesian. Depth to water upon completion of well 49 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

| Depth in Feet | | Thickness in Feet | Description of Water-Bearing Formation | Estimated Yield (gallons per minute) |
|---------------|----|-------------------|--|--------------------------------------|
| From | To | | | |
| 49 | 92 | 43 | Sand | |
| | | | | |
| | | | | |

Section 3. RECORD OF CASING

| Diameter (inches) | Pounds per foot | Threads per in. | Depth in Feet | | Length (feet) | Type of Shoe | Perforations | |
|-------------------|-----------------|-----------------|---------------|--------|---------------|--------------|--------------|-----|
| | | | Top | Bottom | | | From | To |
| 6 5/8 | 17 | Welded | 0 | 132 | 132 | None | 54 | 132 |
| | | | | | | | | |

Section 4. RECORD OF MUDDING AND CEMENTING

| Depth in Feet | | Hole Diameter | Sacks of Mud | Cubic Feet of Cement | Method of Placement |
|---------------|----|---------------|--------------|----------------------|---------------------|
| From | To | | | | |
| | | | | | |
| | | | | | |

Section 5. PLUGGING RECORD

Plugging Contractor _____
 Address _____
 Plugging Method _____
 Date Well Plugged _____
 Plugging approved by: _____

| No. | Depth in Feet | | Cubic Feet of Cement |
|-----|---------------|--------|----------------------|
| | Top | Bottom | |
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |

State Engineer Representative

FOR USE OF STATE ENGINEER ONLY

Date Received March 26, 1982

Quad _____ FWL _____ FSL _____

File No. L-8716 Use DTC Location No. 18.38.20.213344

STATE ENGINEER OFFICE
WELL RECORD

FIELD ENGR. LOG

Section 1. GENERAL INFORMATION

(A) Owner of well A A Oilfield Owner's Well No. _____
 Street or Post Office Address 1416 W. Broadway
 City and State Hobbs, NM 88240

Well was drilled under Permit No. L-8851 and is located in the:
 a. $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ NE of Section 20 Township 18S Range 38E N.M.P.M.
 b. Tract No. 9 of Map No. _____ of the _____
 c. Lot No. _____ of Block No. _____ of the 2 Unit College Park Industrial
 Subdivision, recorded in Lea County.
 d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in
 the _____ Grant.

(B) Drilling Contractor Larry's Drilling License No. WD882
 Address 2601 W. Bender Hobbs, NM 88240
 Drilling Began 7-1-82 Completed 7-2-82 Type tools tricone Size of hole 8 $\frac{1}{2}$ in.
 Elevation of land surface or _____ at well is _____ ft. Total depth of well 120 ft.
 Completed well is shallow artesian. Depth to water upon completion of well 54 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

| Depth in Feet | | Thickness in Feet | Description of Water-Bearing Formation | Estimated Yield (gallons per minute) |
|---------------|-----|-------------------|--|--------------------------------------|
| From | To | | | |
| 54 | 120 | 66 | sand & sandstone | 28 |
| | | | | |
| | | | | |
| | | | | |

Section 3. RECORD OF CASING

| Diameter (inches) | Pounds per foot | Threads per in. | Depth in Feet | | Length (feet) | Type of Shoe | Perforations | |
|-------------------|-----------------|-----------------|---------------|--------|---------------|--------------|--------------|-----|
| | | | Top | Bottom | | | From | To |
| 5 $\frac{1}{2}$ | 160PVC | | -1 | 120 | 121 | | 100 | 120 |
| | | | | | | | | |
| | | | | | | | | |

Section 4. RECORD OF MUDDING AND CEMENTING

| Depth in Feet | | Hole Diameter | Sacks of Mud | Cubic Feet of Cement | Method of Placement |
|---------------|----|---------------|--------------|----------------------|---------------------|
| From | To | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Section 5. PLUGGING RECORD

Plugging Contractor _____
 Address _____
 Plugging Method _____
 Date Well Plugged _____
 Plugging approved by: _____
 State Engineer Representative

| No. | Depth in Feet | | Cubic Feet of Cement |
|-----|---------------|--------|----------------------|
| | Top | Bottom | |
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |

FOR USE OF STATE ENGINEER ONLY

Date Received July 9, 1982 Quad _____ FWL _____ FSL _____
 File No. L-8851 Use D & S Location No. 18.38.20.23141
 Temp. on N. E. Corner _____

STATE ENGINEER OFFICE
WELL RECORD

FIELD ENGR. LOG

Section 1. GENERAL INFORMATION

(A) Owner of well Big Horn Tank Rental Owner's Well No. _____
Street or Post Office Address 2139 French Dr.
City and State Hobbs, NM 88240

Well was drilled under Permit No. L-8867 and is located in the:

- a. $\frac{1}{4}$ $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 29 Township 18S Range 38E N.M.P.M.
- b. Tract No. _____ of Map No. _____ of the _____
- c. Lot No. _____ of Block No. _____ of the _____
Subdivision, recorded in Lea County.
- d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in the _____ Grant.

(B) Drilling Contractor Larry's Drilling License No. WD882

Address 2601 W. Bender Hobbs, NM 88240

Drilling Began 7-9-82 Completed 7-10-82 Type tools button bit Size of hole 8 1/2 in.

Elevation of land surface or _____ at well is _____ ft. Total depth of well 120 ft.

Completed well is shallow artesian. Depth to water upon completion of well 52 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

| Depth in Feet | | Thickness in Feet | Description of Water-Bearing Formation | Estimated Yield (gallons per minute) |
|---------------|-----|-------------------|--|--------------------------------------|
| From | To | | | |
| 60 | 108 | 48 | sand & sandstone | 28 |
| | | | | |
| | | | | |

Section 3. RECORD OF CASING

| Diameter (inches) | Pounds per foot | Threads per in. | Depth in Feet | | Length (feet) | Type of Shoe | Perforations | |
|-------------------|-----------------|-----------------|---------------|--------|---------------|--------------|--------------|-----|
| | | | Top | Bottom | | | From | To |
| 5 1/2 | 160PVC | | 0 | 120 | 120 | | 100 | 120 |
| | | | | | | | | |

Section 4. RECORD OF MUDDING AND CEMENTING

| Depth in Feet | | Hole Diameter | Sacks of Mud | Cubic Feet of Cement | Method of Placement |
|---------------|----|---------------|--------------|----------------------|---------------------|
| From | To | | | | |
| | | | | | |
| | | | | | |

Section 5. PLUGGING RECORD

Plugging Contractor _____
Address _____
Plugging Method _____
Date Well Plugged _____
Plugging approved by: _____

| No. | Depth in Feet | | Cubic Feet of Cement |
|-----|---------------|--------|----------------------|
| | Top | Bottom | |
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |

State Engineer Representative

FOR USE OF STATE ENGINEER ONLY

Date Received August 23, 1982

Quad _____ FWL _____ FSL _____

File No. L-8867 Use D & S Location No. 18.38.29.22244

WELL RECORD

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

Section 1

| | | | |
|--|--|--|--|
| | | | |
| | | | |
| | | | |
| | | | |

(A) Owner of well Two State Tank Rental Co.
 Street and Number Box 2305
 City Hobbs, State New Mexico
 Well was drilled under Permit No. L-7005 and is located in the
NW 1/4 SW 1/4 SW 1/4 of Section 29 Twp. 18S Rge. 38E
 (B) Drilling Contractor C. R. Musslerwhite License No. 3199
 Street and Number Box 56
 City Hobbs, State New Mexico
 Drilling was commenced Oct. 14, 1972
 Drilling was completed Oct. 18, 1972

(Plat of 640 acres)

Elevation at top of casing in feet above sea level _____ Total depth of well 150
 State whether well is shallow or artesian Shallow Depth to water upon completion 50

Section 2

PRINCIPAL WATER-BEARING STRATA

| No. | Depth in Feet | | Thickness in Feet | Description of Water-Bearing Formation |
|-----|---------------|-----|-------------------|--|
| | From | To | | |
| 1 | 60 | 150 | 90 | Sand, sand rock |
| 2 | | | | |
| 3 | | | | |
| 4 | | | | |
| 5 | | | | |

Section 3

RECORD OF CASING

| Dia in. | Pounds ft. | Threads in | Depth | | Feet | Type Shoe | Perforations | |
|---------|------------|------------|-------|--------|------|-----------|--------------|-----|
| | | | Top | Bottom | | | From | To |
| 5 | 13 | 8 | 0 | 150 | 150 | none | 110 | 150 |
| | | | | | | | | |
| | | | | | | | | |

Section 4

RECORD OF MUDDING AND CEMENTING

| Depth in Feet | | Diameter Hole in in. | Tons Clay | No. Sacks of Cement | Methods Used |
|---------------|----|----------------------|-----------|---------------------|--------------|
| From | To | | | | |
| | | | | | |
| | | | | | |

Section 5

PLUGGING RECORD

Name of Plugging Contractor _____ License No. _____
 Street and Number _____ City _____ State _____
 Tons of Clay used _____ Tons of Roughage used _____ Type of roughage _____
 Plugging method used _____ Date Plugged _____ 19 _____
 Plugging approved by: _____ Cement Plugs were placed as follows:

| No. | Depth of Plug | | No. of Sacks Used |
|-----|---------------|----|-------------------|
| | From | To | |
| | | | |
| | | | |
| | | | |
| | | | |

| | |
|--------------------------------|---|
| Basin Supervisor | |
| FOR USE OF STATE ENGINEER ONLY | |
| Date Received | 1972 OCT 24 AM 8:51 |
| File No. <u>L-7005</u> | Use <u>DTC</u> Location No. <u>18-38-29-331</u> |

STATE ENGINEER OFFICE
WELL RECORD

FIELD ENGR. 112

Section 1. GENERAL INFORMATION

(A) Owner of well Southwestern Drilling Mud Owner's Well No. _____
Street or Post Office Address P.O. Box 2477
City and State Midland, Texas 79701

Well was drilled under Permit No. L-7570 and is located in the:

- a. $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 29 Township 18S Range 38E N.M.P.M.
b. Tract No. _____ of Map No. _____ of the _____
c. Lot No. _____ of Block No. _____ of the _____
Subdivision, recorded in Lea County.
d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in the _____ Grant.

(B) Drilling Contractor Abbott Bros. License No. WD-46

Address P.O. Box 637, Hobbs, New Mexico 88240

Drilling Began 6/21/76 Completed 6/22/76 Type tools Cable Size of hole 8 $\frac{1}{2}$ in.

Elevation of land surface or _____ at well is _____ ft. Total depth of well 122 ft.

Completed well is shallow artesian. Depth to water upon completion of well 48 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

| Depth in Feet | | Thickness in Feet | Description of Water-Bearing Formation | Estimated Yield (gallons per minute) |
|---------------|-----|-------------------|--|--------------------------------------|
| From | To | | | |
| 48 | 122 | 74 | | |
| | | | | |
| | | | | |
| | | | | |

Section 3. RECORD OF CASING

| Diameter (inches) | Pounds per foot | Threads per in. | Depth in Feet | | Length (feet) | Type of Shoe | Perforations | |
|-------------------|-----------------|-----------------|---------------|--------|---------------|--------------|--------------|-----|
| | | | Top | Bottom | | | From | To |
| 6 5/8 | 15 | welded | 0 | 122 | 122 | none | 79 | 122 |
| | | | | | | | | |
| | | | | | | | | |

Section 4. RECORD OF MUDDING AND CEMENTING

| Depth in Feet | | Hole Diameter | Sacks of Mud | Cubic Feet of Cement | Method of Placement |
|---------------|----|---------------|--------------|----------------------|---------------------|
| From | To | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Section 5. PLUGGING RECORD

Plugging Contractor _____
Address _____
Plugging Method _____
Date Well Plugged _____
Plugging approved by: _____
State Engineer Representative

| No. | Depth in Feet | | Cubic Feet of Cement |
|-----|---------------|--------|----------------------|
| | Top | Bottom | |
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |

FOR USE OF STATE ENGINEER ONLY

Date Received _____

Quad _____ FWL _____ FSL _____

File No. L-7570 Use 2070 Location No. 38E 18S 29

STATE ENGINEER OFFICE
WELL RECORD

Section 1. GENERAL INFORMATION

(A) Owner of well Texland Petroleum- Hobbs LLC Owner's Well No. 1
Street or Post Office Address 777 main street suite 3200
City and State Fort Worth Tx 76102

Well was drilled under Permit No. L-11 176 Explore and is located in the:

a. SE $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 29 Township 18 south Range 38 east N.M.P.M.

b. Tract No. _____ of Map No. _____ of the _____

c. Lot No. _____ of Block No. _____ of the _____
Subdivision, recorded in Lea County.

d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in the _____ Grant.

(B) Drilling Contractor Robinson Drilling License No. W D 1498

Address PO BOX 1495 Seminole TX 79360

Drilling Began 7-31-01 Completed 8-3-01 Type tools Rotary Size of hole 18 in.

Elevation of land surface or _____ at well is _____ ft. Total depth of well 220 ft.

Completed well is shallow artesian. Depth to water upon completion of well 65 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

| Depth in Feet | | Thickness in Feet | Description of Water-Bearing Formation | Estimated Yield (gallons per minute) |
|---------------|-----|-------------------|--|--------------------------------------|
| From | To | | | |
| 111 | 210 | 99 | Sand & Gravel | Unknown |
| | | | | |
| | | | | |
| | | | | |

Section 3. RECORD OF CASING

| Diameter (inches) | Pounds per foot | Threads per in. | Depth in Feet | | Length (feet) | Type of Shoe | Perforations | |
|-------------------|-----------------|-----------------|---------------|--------|---------------|--------------|--------------|-----|
| | | | Top | Bottom | | | From | To |
| 12 3/4 | | Welded | +1 | 220 | 221 | none | 125 | 215 |
| | | | | | | | | |
| | | | | | | | | |

Section 4. RECORD OF MUDDING AND CEMENTING

| Depth in Feet | | Hole Diameter | Sacks of Mud | Cubic Feet of Cement | Method of Placement |
|---------------|----|---------------|--------------|----------------------|---------------------|
| From | To | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Section 5. PLUGGING RECORD

Plugging Contractor N/A
Address _____
Plugging Method _____
Date Well Plugged _____
Plugging approved by: _____

| No. | Depth in Feet | | Cubic Feet of Cement |
|-----|---------------|--------|----------------------|
| | Top | Bottom | |
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |

State Engineer Representative

FOR USE OF STATE ENGINEER ONLY

Date Received 08/10/01

Quad _____ FWL _____ FSL _____

File No. L-11,176 Use SRO Location No. 18.38.29.41443

#212224

(This form to be executed in triplicate)

WELL RECORD

Date of Receipt _____ Permit No. L-2395

Name of permittee, Winnipeg Petroleum Corp.

Street or P. O. Division D, City and State Montreal, N.S.

1. Well location and description: The shallow well is located in 11 W., 11 N., 11 W. of Section 30, Township 18 S, Range 38 W; Elevation of top of casing above sea level, _____ feet; diameter of hole, 7 inches; total depth, 57 feet; depth to water upon completion, 35 feet; drilling was commenced 8-31-53, 19____, and completed 8-31-53, 19____; name of drilling contractor J. E. Luscombe; Address, Box 56, Buxton, N.S.; Driller's License No. 10059

2. Principal Water-bearing Strata:

| | Depth in Feet | | Thickness | Description of Water-bearing Formation |
|-------|---------------|----|-----------|--|
| | From | To | | |
| No. 1 | 35 | 70 | 35 | Red sand course |
| No. 2 | 75 | 85 | 10 | Red sand course hard |
| No. 3 | 85 | 87 | 3 | Red sand course hard |
| No. 4 | | | | |
| No. 5 | | | | |

3. Casing Record:

| Diameter in inches | Pounds per ft. | Threads per inch | Depth of Casing or Liner | | Feet of Casing | Type of Shoe | Perforation | |
|--------------------|----------------|------------------|--------------------------|--------|----------------|--------------|-------------|----|
| | | | Top | Bottom | | | From | To |
| 7 | 20 | 10 | | | 57 | None | 57 | 57 |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

4. If above construction replaces old well to be abandoned, give location: _____ W., _____ N., _____ W.

of Section _____, Township _____, Range _____; name and address of plugging contractor, _____

date of plugging _____, 19____; describe how well was plugged: _____

SEP 21 1953

L-2395 OK WUP

18.38.30.123

8

FIELD ENGR. LOG

WELL RECORD

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

Section 1

| | | | | |
|--|--|--|--|---|
| | | | | (A) Owner of well <u>Amerada Petroleum Corp.</u> |
| | | | | Street and Number <u>Drawer D</u> |
| | | | | City <u>Monument,</u> State <u>New Mexico</u> |
| | | | | Well was drilled under Permit No. <u>L-5849</u> and is located in the |
| | | | | SE $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$ of Section <u>30</u> Twp. <u>18S</u> Rge. <u>38E</u> |
| | | | | (B) Drilling Contractor. <u>O. R. Musslewhite</u> License No. <u>WD99</u> |
| | | | | Street and Number <u>Box 56</u> |
| | | | | City <u>Hobbs,</u> State <u>New Mexico</u> |
| | | | | Drilling was commenced <u>Feb. 10,</u> 19 <u>66</u> |
| | | | | Drilling was completed <u>Feb. 12,</u> 19 <u>66</u> |

(Plat of 640 acres)

Elevation at top of casing in feet above sea level Unknown Total depth of well 38
 State whether well is shallow or artesian Shallow Depth to water upon completion 34

Section 2

PRINCIPAL WATER-BEARING STRATA

| No. | Depth in Feet | | Thickness in Feet | Description of Water-Bearing Formation |
|-----|---------------|----|-------------------|--|
| | From | To | | |
| 1 | 34 | 38 | 4 | Sand & sand rock |
| 2 | | | | |
| 3 | | | | |
| 4 | | | | |
| 5 | | | | |

Section 3

RECORD OF CASING

| Dia in. | Pounds ft. | Threads in | Depth | | Feet | Type Shoe | Perforations | |
|---------|------------|------------|-------|--------|------|-----------|--------------|----|
| | | | Top | Bottom | | | From | To |
| 6 5/8 | 18 | none | 0 | 20 | 20 | None | None | |
| | | | | | | | | |
| | | | | | | | | |

Section 4

RECORD OF MUDDING AND CEMENTING

| Depth in Feet | | Diameter Hole in in. | Tons Clay | No. Sacks of Cement | Methods Used |
|---------------|----|----------------------|-----------|---------------------|--------------------------|
| From | To | | | | |
| 0 | 20 | 8 | | 1 1/2 yds. | Dump remix around casing |
| | | | | | |

Section 5

PLUGGING RECORD

Name of Plugging Contractor _____ License No. _____
 Street and Number _____ City _____ State _____
 Tons of Clay used _____ Tons of Roughage used _____ Type of roughage _____
 Plugging method used _____ Date Plugged _____ 19 _____
 Plugging approved by: _____ Cement Plugs were placed as follows:

Basin Supervisor

FOR USE OF STATE ENGINEER ONLY

Date Received _____

1968 MAY 7-8 AM 996

File No. L-5849 Use Card Location No. 18.38.30.144

| No. | Depth of Plug | | No. of Sacks Used |
|-----|---------------|----|-------------------|
| | From | To | |
| | | | |
| | | | |
| | | | |

WELL RECORD

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

Section 1

| | | | |
|--|--|--|--|
| | | | |
| | | | |
| | | | |
| | | | |

(A) Owner of well Baker Oil Tools, Inc.
 Street and Number Box 1295
 City Hobbs, State New Mexico
 Well was drilled under Permit No. L-2984 and is located in the
E. 1/4 S. 1/4 S.W. 1/4 of Section 32 Twp. 18S Rge. 38E
 (B) Drilling Contractor O.R. Musslewhite License No. WD 99
 Street and Number Box 56
 City Hobbs, N State New Mexico
 Drilling was commenced Sept. 10 19 55
 Drilling was completed Sept. 11 19 55

(Plat of 640 acres)

Elevation at top of casing in feet above sea level _____ Total depth of well 100
 State whether well is shallow or artesian shallow Depth to water upon completion 30

Section 2

PRINCIPAL WATER-BEARING STRATA

| No. | Depth in Feet | | Thickness in Feet | Description of Water-Bearing Formation |
|-----|---------------|----|-------------------|--|
| | From | To | | |
| 1 | 40 | 80 | 40 | Sand & sand rock |
| 2 | | | | |
| 3 | | | | |
| 4 | | | | |
| 5 | | | | |

Section 3

RECORD OF CASING

| Dia in. | Pounds ft. | Threads in | Depth | | Feet | Type Shoe | Perforations | |
|---------|------------|------------|-------|--------|------|-----------|--------------|-----|
| | | | Top | Bottom | | | From | To |
| 6 5/8 | 18 | 8 | 0 | 100 | 100 | Collar | 70 | 100 |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

Section 4

RECORD OF MUDDING AND CEMENTING

| Depth in Feet | | Diameter Hole in in. | Tons Clay | No. Sacks of Cement | Methods Used |
|---------------|----|----------------------|-----------|---------------------|--------------|
| From | To | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Section 5

PLUGGING RECORD

Name of Plugging Contractor _____ License No. _____
 Street and Number _____ City _____ State _____
 Tons of Clay used _____ Tons of Roughage used _____ Type of roughage _____
 Plugging method used _____ Date Plugged _____ 19 _____
 Plugging approved by: _____ Cement Plugs were placed as follows:

| No. | Depth of Plug | | No. of Sacks Used |
|-----|---------------|----|-------------------|
| | From | To | |
| | | | |
| | | | |
| | | | |

Basin Supervisor

FOR USE OF STATE ENGINEER ONLY

Date Received SEP 10 1955

OFFICE
 GEORGE WATER SYSTEMS
 STATE ENGINEER

File No. L-2984 Use Down Location No. 18 N 32 E 33

(This form to be executed in triplicate)

WELL RECORD

Date of Receipt Permit No. L-2555

Name of permittee, Skelly Oil Co.

Street or P. O. Drawer D, City and State Hobbs, New Mexico

1. Well location and description: The Shallow well is located in SW $\frac{1}{4}$, SW $\frac{1}{4}$,
(shallow or artesian)

SW $\frac{1}{4}$ of Section 32, Township 18 S, Range 38 E; Elevation of top of

casing above sea level, feet; diameter of hole, 8 inches; total depth, 116 feet;

depth to water upon completion, 34 feet; drilling was commenced June 25, 1954,

and completed June 25, 1954; name of drilling contractor Ed. B. Burke

Box 306; Address: Hobbs, New Mexico; Driller's License No. WD-111

2. Principal Water-bearing Strata:

| No. | Depth in Feet | | Thickness | Description of Water-bearing Formation |
|-------|---------------------------|------------|-----------|--|
| | From | To | | |
| No. 1 | <u>54</u> | <u>85</u> | <u>31</u> | <u>Water Sand</u> |
| No. 2 | <u>101 112</u> | <u>116</u> | <u>15</u> | <u>Water Sand</u> |
| No. 3 | | | | |
| No. 4 | | | | |
| No. 5 | | | | |

3. Casing Record:

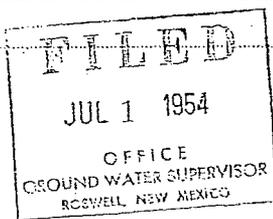
| Diameter in inches | Pounds per ft. | Threads per inch | Depth of Casing or Liner | | Feet of Casing | Type of Shoe | Perforation | |
|-----------------------|-------------------|---------------------|--------------------------|------------|-------------------|---------------|-------------|------------|
| | | | Top | Bottom | | | From | To |
| <u>6 5/8</u> | <u>20</u> | <u>10</u> | <u>0</u> | <u>113</u> | <u>113</u> | <u>collar</u> | <u>85</u> | <u>113</u> |

Cemented from 0 to 57

4. If above construction replaces old well to be abandoned, give location: $\frac{1}{4}$, $\frac{1}{4}$, $\frac{1}{4}$

of Section, Township, Range, name and address of plugging contractor,

date of plugging, 19.....; describe how well was plugged:



L-2555

18.38.32.332

(This form to be executed in triplicate).

WELL RECORD

Date of Receipt July 9, 1953

Permit No. L-2232

Name of permittee, Joe P. Dutton

Street or P.O. Continental Tank Co., City and State Hobbs, New Mexico

1. Well location and description: The shallow well is located in S¹/₂ X
(shallow or artesian)

SW 1/4 of Section 33, Township 18 South Range 38 East; Elevation of top of

casing above sea level, _____ feet; diameter of hole, 7 inches; total depth, 112 feet;

depth to water upon completion, 56 feet; drilling was commenced June 23, 1953,

and completed June 23, 1953; name of drilling contractor Ed. B. Burke

Box 637; Address, Hobbs, New Mexico; Driller's License No. WD-111

2. Principal Water-bearing Strata:

| No. | Depth in Feet | | Thickness | Description of Water-bearing Formation |
|-------|---------------|-----|-----------|--|
| | From | To | | |
| No. 1 | 63 | 70 | 7 | Water sand |
| No. 2 | 76 | 88 | 12 | Water sand |
| No. 3 | 102 | 112 | 10 | Water sand |
| No. 4 | | | | |
| No. 5 | | | | |

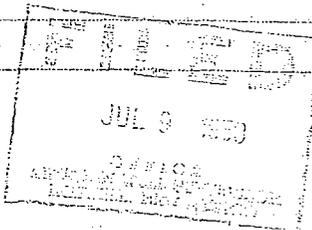
3. Casing Record:

| Diameter in inches | Pounds per ft. | Discs per inch | Depth of Casing Top | Feet of Casing to Liner Bottom | Type of Shoe | Perforations | |
|-----------------------|-------------------|-------------------|------------------------|--|--------------|--------------|------------|
| | | | | | | From | To |
| <u>5 1/2</u> | <u>17</u> | <u>8</u> | <u>0</u> | <u>111</u> | <u>none</u> | <u>89</u> | <u>111</u> |

4. If above construction replaces old well to be abandoned, give location: _____, _____, _____

of Section _____, Township _____, Range _____; name and address of plugging contractor, _____

date of plugging _____, 19____; describe how well was plugged: _____



L-2232

1838.33.300

APPENDIX B

Appendix B - locations and other data for wells in OSE database

| Loc ID | USE | DIV | OWNER | Site ID | SOURCE | TWS | RNG | SEC | Q | Q | UTM | ZON | X | UTM83 |
|---------|-----|-----|--------------------------------|--------------|---------|-----|-----|-----|---|---|-----|-----|---|--------|
| L 06660 | PRO | | MORAN OIL PROD & DRILLING CORP | L 06660 (E) | Shallow | 18S | 38E | 19 | 3 | 3 | | 13 | | 669335 |
| L 06337 | PRO | | INC. CAPITAN DRILLING COMPANY | L 06337 | Shallow | 18S | 38E | 19 | 4 | 2 | | 13 | | 670313 |
| L 08716 | SAN | | OIL FIELD RENTAL SERVICE CO. | L 08716 | Shallow | 18S | 38E | 20 | 2 | 1 | | 13 | | 671608 |
| L 08851 | SAN | | A.A. OILFIELD | L 08851 | Shallow | 18S | 38E | 20 | 2 | 3 | | 13 | | 671514 |
| L 08867 | SAN | | BIG HORN TANK RENTAL | L 08867 | Shallow | 18S | 38E | 29 | 2 | 2 | | 13 | | 672040 |
| L 06570 | PRO | | MORAN OIL PROD & DRILLING CORP | L 06570 (E) | Shallow | 18S | 38E | 29 | 3 | 3 | | 13 | | 670753 |
| L 07570 | DOM | | SOUTHWESTERN DRILLING MUD | L 07570 | Shallow | 18S | 38E | 29 | 3 | 3 | | 13 | | 670753 |
| L 07005 | SAN | | TWO-STATE TANK RENTAL CO | L 07005 | Shallow | 18S | 38E | 29 | 3 | 3 | | 13 | | 670753 |
| L 11176 | | | TEXLAND PETROLEUM-HOBBS, LLC | L 11176 | Shallow | 18S | 38E | 29 | 4 | 1 | | 13 | | 671752 |
| L 02395 | PRO | | AMERADA PETROLEUM CORPORATION | L 02395 | Shallow | 18S | 38E | 30 | 1 | 2 | | 13 | | 669522 |
| L 05849 | PRO | | AMERADA PETROLEUM CORPORATION | L 05849 | Shallow | 18S | 38E | 30 | 1 | 4 | | 13 | | 669729 |
| L 05818 | PRO | | AMERADA PETROLEUM CORPORATION | L 05818 | Shallow | 18S | 38E | 30 | 1 | 4 | | 13 | | 669729 |
| L 06245 | SAN | | SONNY'S OIL FIELD SERVICE INC. | L 06245 | Shallow | 18S | 38E | 32 | 1 | 0 | | 13 | | 671069 |
| L 02964 | DOM | | INC. BAKER OIL TOOLS | L 02964 | Shallow | 18S | 38E | 32 | 3 | 3 | | 13 | | 670982 |
| L 02555 | DOM | | SKELLY OIL COMPANY | L 02555 | Shallow | 18S | 38E | 32 | 3 | 3 | | 13 | | 670782 |
| L 06574 | PRO | | PAN AMERICAN PETROLEUM | L 06574 (E) | Shallow | 18S | 38E | 33 | 1 | 3 | | 13 | | 672380 |
| L 02232 | DOM | | CONTINENTAL TANKE INC. | L 02232 | Shallow | 18S | 38E | 33 | 3 | 0 | | 13 | | 672697 |
| L 03516 | PRO | | CACTUS DRILLING COMPANY | L 03516 APPR | Shallow | 18S | 38E | 34 | 3 | 3 | | 13 | | 674109 |

Appendix B - locations and other data for wells in OSE database

| Loc ID | Y | UTM83 | DATE | Location | Type | WELL DEPTH | WATER DEPT |
|---------|---------|------------|-------------------|----------|------|------------|------------|
| L 06660 | 3622615 | 3/23/1970 | Sec 19, T18S, 38E | OSE Well | 120 | 48 | |
| L 06337 | 3622837 | 6/10/1968 | Sec 19, T18S, 38E | OSE Well | 110 | 40 | |
| L 08716 | 3623764 | 3/23/1982 | Sec 20, T18S, 38E | OSE Well | 130 | 49 | |
| L 08851 | 3623260 | 7/1/1982 | Sec 20, T18S, 38E | OSE Well | 120 | 54 | |
| L 08867 | 3622160 | 7/9/1982 | Sec 29, T18S, 38E | OSE Well | 120 | 52 | |
| L 06570 | 3620830 | 8/5/1969 | Sec 29, T18S, 38E | OSE Well | 110 | 54 | |
| L 07570 | 3620830 | 6/21/1976 | Sec 29, T18S, 38E | OSE Well | 122 | 48 | |
| L 07005 | 3621030 | 10/14/1972 | Sec 29, T18S, 38E | OSE Well | 150 | 50 | |
| L 11176 | 3621246 | 7/31/2001 | Sec 29, T18S, 38E | OSE Well | 220 | 65 | |
| L 02395 | 3622018 | 8/31/1953 | Sec 30, T18S, 38E | OSE Well | 87 | 30 | |
| L 05849 | 3621615 | 2/10/1966 | Sec 30, T18S, 38E | OSE Well | 38 | 34 | |
| L 05818 | 3621615 | 12/15/1965 | Sec 30, T18S, 38E | OSE Well | 32 | 32 | |
| L 06245 | 3620325 | 12/29/1967 | Sec 32, T18S, 38E | OSE Well | 150 | 34 | |
| L 02964 | 3619217 | 9/10/1955 | Sec 32, T18S, 38E | OSE Well | 100 | 30 | |
| L 02555 | 3619217 | 6/25/1954 | Sec 32, T18S, 38E | OSE Well | 116 | 34 | |
| L 06574 | 3620050 | 8/18/1969 | Sec 33, T18S, 38E | OSE Well | 120 | 52 | |
| L 02232 | 3619546 | 6/23/1953 | Sec 33, T18S, 38E | OSE Well | 112 | 56 | |
| L 03516 | 3619372 | 8/21/1956 | Sec 34, T18S, 38E | OSE Well | 106 | 45 | |

APPENDIX C

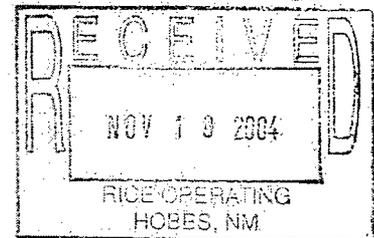
Rice Operating Co.
122 W. Taylor
Hobbs NM, 88240

Project: F-29-1A
Project Number: None Given
Project Manager: Kristin Pope

Fax: (505) 397-1471
Reported:
11/12/04 16:01

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-------------|---------------|--------|----------------|----------------|
| SB @ 11 ft. | 4K10005-01 | Solid | 11/03/04 00:00 | 11/10/04 07:50 |
| SB @ 59 ft. | 4K10005-02 | Solid | 11/03/04 00:00 | 11/10/04 07:50 |



COPY

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

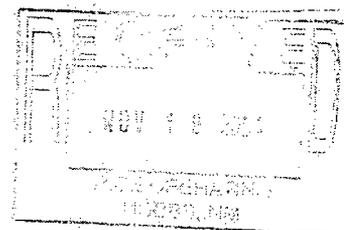
Project: F-29-1A
Project Number: None Given
Project Manager: Kristin Pope

Fax: (505) 397-1471

Reported:
11/12/04 16:01

Organics by GC
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------------------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| SB @ 11 ft. (4K10005-01) Solid | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg dry | 25 | EK41203 | 11/11/04 | 11/11/04 | EPA 8021B | |
| Toluene | ND | 0.0250 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0250 | " | " | " | " | " | " | |
| Xylene (p/m) | ND | 0.0250 | " | " | " | " | " | " | |
| Xylene (o) | ND | 0.0250 | " | " | " | " | " | " | |
| Surrogate: a,a,-Trifluorotoluene | | 82.2 % | 80-120 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 92.9 % | 80-120 | | " | " | " | " | |
| Gasoline Range Organics C6-C12 | ND | 10.0 | mg/kg dry | 1 | EK40906 | 11/10/04 | 11/11/04 | EPA 8015M | |
| Diesel Range Organics >C12-C35 | ND | 10.0 | " | " | " | " | " | " | |
| Total Hydrocarbon C6-C35 | ND | 10.0 | " | " | " | " | " | " | |
| Surrogate: 1-Chlorooctane | | 93.2 % | 70-130 | | " | " | " | " | |
| Surrogate: 1-Chlorooctadecane | | 103 % | 70-130 | | " | " | " | " | |
| SB @ 59 ft. (4K10005-02) Solid | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg dry | 25 | EK41203 | 11/11/04 | 11/11/04 | EPA 8021B | |
| Toluene | ND | 0.0250 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0250 | " | " | " | " | " | " | |
| Xylene (p/m) | ND | 0.0250 | " | " | " | " | " | " | |
| Xylene (o) | ND | 0.0250 | " | " | " | " | " | " | |
| Surrogate: a,a,-Trifluorotoluene | | 95.5 % | 80-120 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 99.4 % | 80-120 | | " | " | " | " | |
| Gasoline Range Organics C6-C12 | ND | 10.0 | mg/kg dry | 1 | EK40906 | 11/10/04 | 11/11/04 | EPA 8015M | |
| Diesel Range Organics >C12-C35 | ND | 10.0 | " | " | " | " | " | " | |
| Total Hydrocarbon C6-C35 | ND | 10.0 | " | " | " | " | " | " | |
| Surrogate: 1-Chlorooctane | | 90.3 % | 70-130 | | " | " | " | " | |
| Surrogate: 1-Chlorooctadecane | | 104 % | 70-130 | | " | " | " | " | |



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

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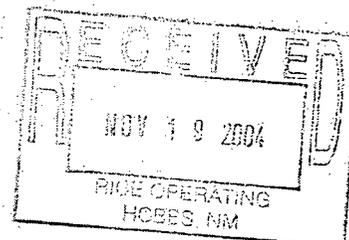
Rice Operating Co.
122 W. Taylor
Hobbs NM, 88240

Project: F-29-1A
Project Number: None Given
Project Manager: Kristin Pope

Fax: (505) 397-1471
Reported:
11/12/04 16:01

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

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|--------|-----------------|-----------|----------|---------|----------|----------|---------------|-------|
| SB @ 11 ft. (4K10005-01) Solid | | | | | | | | | |
| Chloride | 213 | 20.0 | mg/kg Wet | 2 | EK41209 | 11/10/04 | 11/11/04 | SW 846 9253 | |
| % Moisture | 17.0 | | % | 1 | EK41101 | 11/10/04 | 11/11/04 | % calculation | |
| SB @ 59 ft. (4K10005-02) Solid | | | | | | | | | |
| Chloride | 74.4 | 20.0 | mg/kg Wet | 2 | EK41209 | 11/10/04 | 11/11/04 | SW 846 9253 | |
| % Moisture | 7.0 | | % | 1 | EK41101 | 11/10/04 | 11/11/04 | % calculation | |



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R. T. HICKS CONSULTANTS, LTD.

901 Rio Grande Blvd NW ▲ Suite F-142 ▲ Albuquerque, NM 87104 ▲ 505.266.5004 ▲ Fax: 505.266-0745

January 24, 2008

Wayne Price
Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, NM 87505

RE: 2007 Annual Ground Water Monitoring Report
F-29-1A Vent, Sec 29, T18S, R38E, Unit "F"
NMOCD Case #: None

Dear Mr. Wayne Price:

R.T. Hicks Consultants, Ltd is pleased to submit the 2007 Annual Ground Water Monitoring Report for the F-29-1A Vent site located in the Hobbs Salt Water Disposal System (SWD). This report consists of the following sections:

1. A table summarizing all laboratory results, depth to ground water and other pertinent data associated with ground water sampling at the site, including this past year.
2. Graphs showing chemical concentration over time for chloride, TDS, and sulfate.
3. Laboratory data sheets associated with the routine sampling for 2007.
4. Site Survey

A Corrective Action Plan was submitted to NMOCD on November 14, 2005. On February 15, 2006, NMOCD approved the Closure Report on the condition the monitoring wells remain active. A Closure Report will be submitted in the spring of 2008.

Thank you for your consideration of this annual summary information. The attached CD contains an electronic copy of this report. If you have any questions, please contact us at 505-266-5004, or Kristin Farris Pope at ROC, 505-393-9174.

Sincerely,
R.T. Hicks Consultants, Ltd.



Randall T. Hicks
Principal

Copy: Hobbs NMOCD office; Rice Operating Company

Table 1: chemistry over time

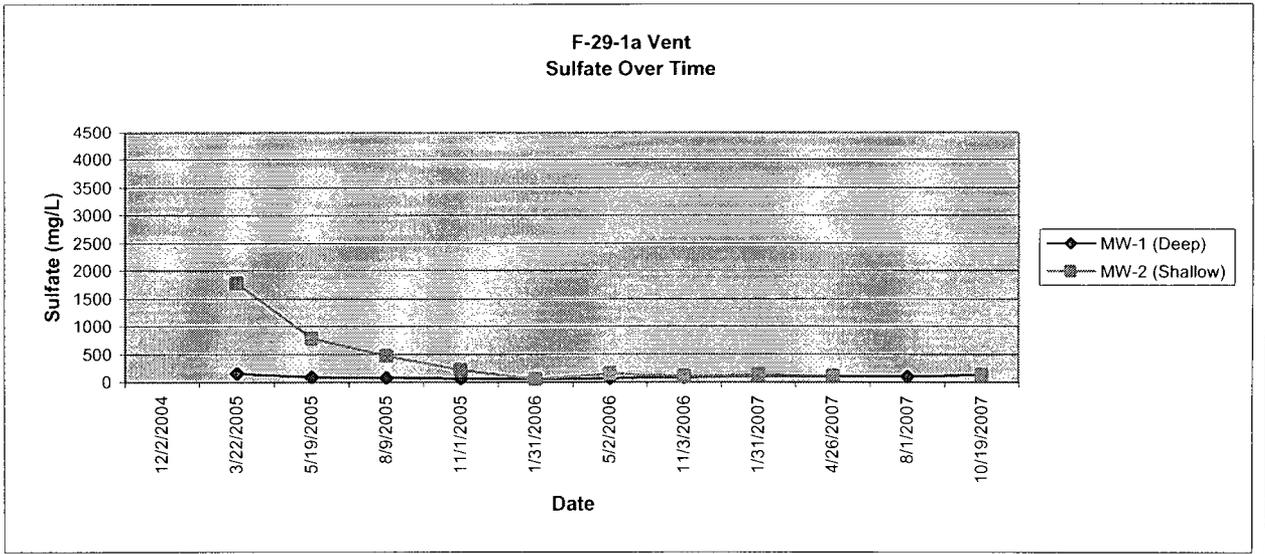
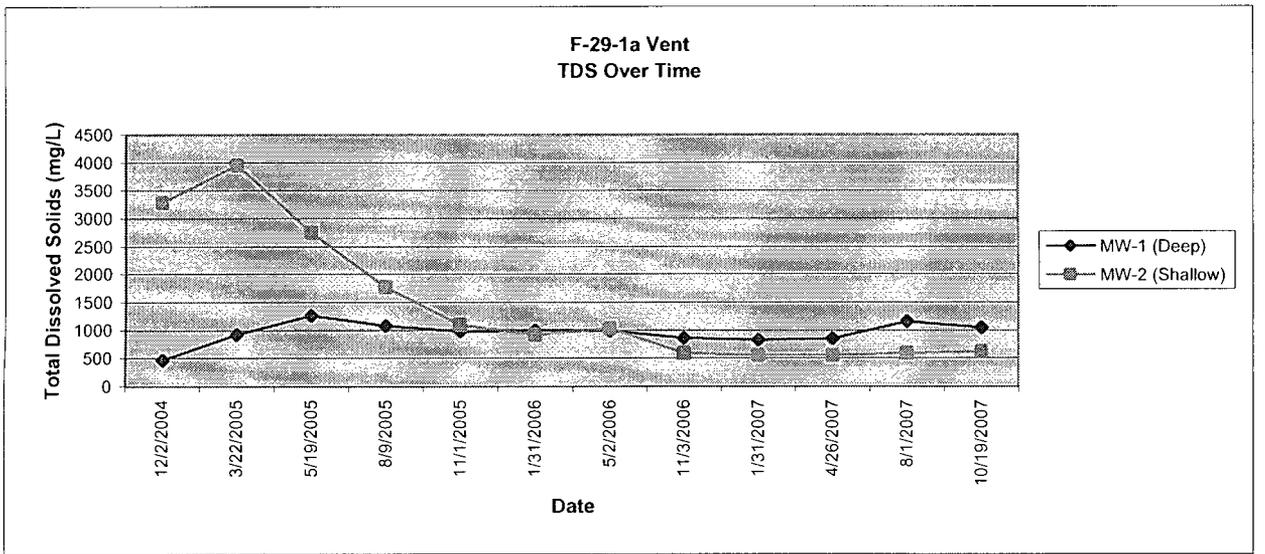
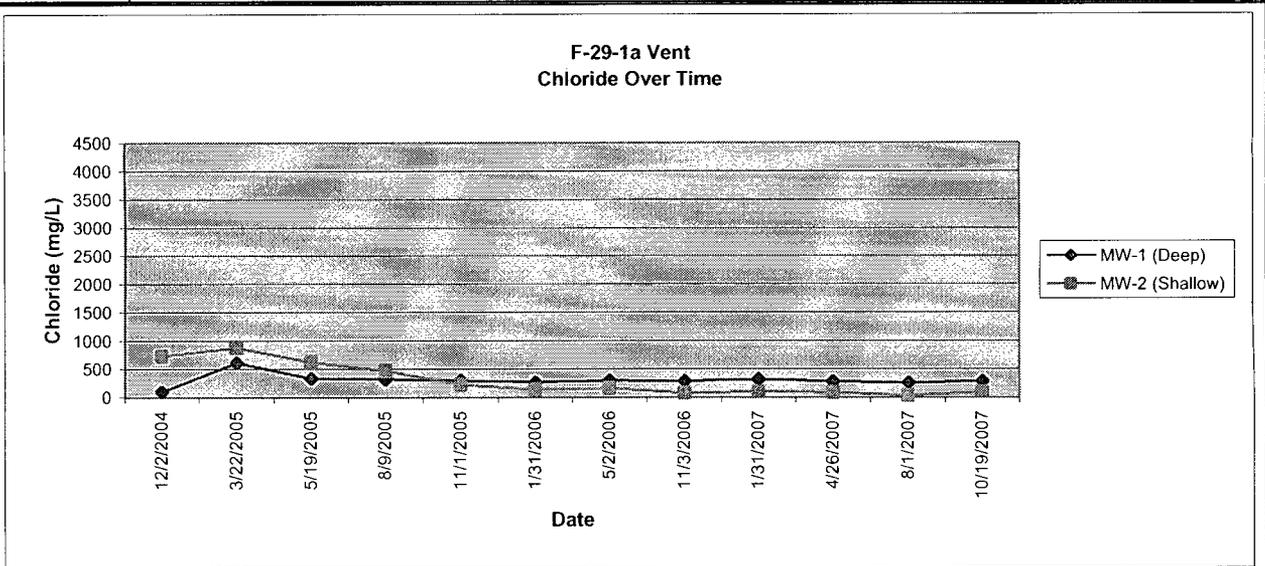
F-29-1A Vent

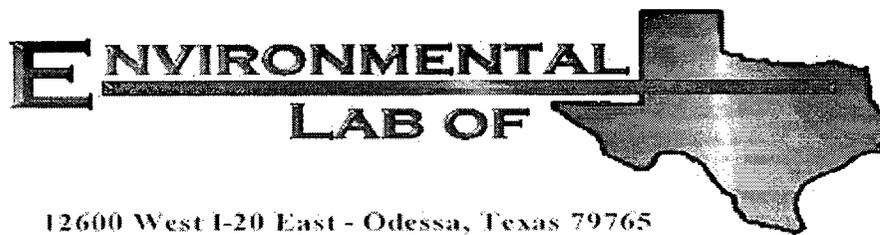
| Well Name | Date | DTH (ft) | Chloride (mg/L) | Sulfate (mg/L) | TDS (mg/L) | Benzene (mg/L) | Toluene (mg/L) | EthylBenzene (mg/L) | Total Xylenes (mg/L) | Comments |
|-------------|------------|----------|-----------------|----------------|------------|----------------|----------------|---------------------|----------------------|----------------|
| MW-1 (Deep) | 12/2/2004 | 60.74 | 100 | No Results | 465 | <0.001 | <0.001 | <0.001 | <0.001 | clear, no odor |
| MW-1 (Deep) | 3/22/2005 | 60.10 | 613 | 154 | 930 | <0.001 | <0.001 | <0.001 | <0.001 | gray, no odor |
| MW-1 (Deep) | 5/19/2005 | 60.13 | 332 | 84.5 | 1260 | <0.001 | <0.001 | <0.001 | <0.001 | |
| MW-1 (Deep) | 8/9/2005 | 60.22 | 322 | 75.7 | 1060 | <0.001 | <0.001 | <0.001 | <0.001 | |
| MW-1 (Deep) | 11/1/2005 | 60.45 | 300 | 63.2 | 986 | <0.001 | <0.001 | <0.001 | <0.001 | clear, no odor |
| MW-1 (Deep) | 1/31/2006 | 60.54 | 270 | 56.1 | 1000 | <0.001 | <0.001 | <0.001 | <0.001 | clear, no odor |
| MW-1 (Deep) | 5/2/2006 | 60.61 | 266 | 62.9 | 986 | <0.001 | <0.001 | <0.001 | <0.001 | |
| MW-1 (Deep) | 11/3/2006 | 60.79 | 265 | 66.1 | 866 | <0.001 | <0.001 | <0.001 | <0.001 | Clear no odor |
| MW-1 (Deep) | 1/31/2007 | 60.75 | 325 | 104 | 826 | <0.001 | <0.001 | <0.001 | <0.001 | Clear! |
| MW-1 (Deep) | 4/26/2007 | 60.83 | 270 | 85.7 | 850 | <0.001 | <0.001 | <0.001 | <0.001 | clear no odor |
| MW-1 (Deep) | 8/1/2007 | 61.10 | 263 | 102 | 1160 | <0.001 | <0.001 | <0.001 | <0.002 | Clear No Odor |
| MW-1 (Deep) | 10/19/2007 | 61.09 | 282 | 130 | 1047 | <0.001 | <0.001 | <0.001 | <0.003 | Clear No odor |

Table 1: chemistry over time

F-29-1A Vent

| Well Name | Date | DTH (ft) | Chloride (mg/L) | Sulfate (mg/L) | TDS (mg/L) | Benzene (mg/L) | Toluene (mg/L) | EthylBenzene (mg/L) | Total Xylenes (mg/L) | Comments |
|----------------|------------|----------|-----------------|----------------|------------|----------------|----------------|---------------------|----------------------|----------------|
| MW-2 (Shallow) | 12/2/2004 | 60.64 | 725 | *No Results | 3280 | <0.001 | <0.001 | <0.001 | <0.001 | gray, no odor |
| MW-2 (Shallow) | 3/22/2005 | 60.08 | 879 | 1780 | 3960 | <0.001 | <0.001 | <0.001 | <0.001 | gray, no odor |
| MW-2 (Shallow) | 5/19/2005 | 60.04 | 626 | 788 | 2750 | <0.001 | <0.001 | <0.001 | <0.001 | |
| MW-2 (Shallow) | 8/9/2005 | 60.14 | 470 | 475 | 1780 | <0.001 | <0.001 | <0.001 | <0.001 | |
| MW-2 (Shallow) | 11/1/2005 | 60.34 | 228 | 218 | 1100 | <0.001 | <0.001 | <0.001 | <0.001 | Clear, no odor |
| MW-2 (Shallow) | 1/31/2006 | 60.42 | 144 | 58.1 | 924 | <0.001 | <0.001 | <0.001 | <0.001 | |
| MW-2 (Shallow) | 5/2/2006 | 60.50 | 160 | 153 | 1040 | <0.001 | <0.001 | <0.001 | <0.001 | |
| MW-2 (Shallow) | 11/3/2006 | 60.69 | 78.6 | 111 | 582 | <0.001 | <0.001 | <0.001 | <0.001 | Clear no odor |
| MW-2 (Shallow) | 1/31/2007 | 60.63 | 98.2 | 125 | 556 | <0.001 | <0.001 | <0.001 | <0.001 | Clear |
| MW-2 (Shallow) | 4/26/2007 | 60.63 | 89.4 | 107 | 556 | <0.001 | <0.001 | <0.001 | <0.001 | clear no odor |
| MW-2 (Shallow) | 8/12/2007 | 60.98 | 27.2 | XXX | 592 | <0.001 | <0.001 | <0.001 | <0.002 | Clear No Odor |
| MW-2 (Shallow) | 10/19/2007 | 60.98 | 100 | 125 | 624 | <0.001 | <0.001 | <0.001 | <0.003 | Clear No odor |





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: Hobbs Jct. F-29-1A

Project Number: None Given

Location: T18S R38E Sec29F Lea Co., NM

Lab Order Number: 7B01021

Report Date: 02/13/07

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

Project: Hobbs Jct. F-29-1A
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|--------------------------|---------------|--------|----------------|------------------|
| Monitor Well #1- Deep | 7B01021-01 | Water | 01/31/07 10:20 | 02-01-2007 15:42 |
| Monitor Well #2- Shallow | 7B01021-02 | Water | 01/31/07 09:45 | 02-01-2007 15:42 |

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

Project: Hobbs Jct. F-29-1A
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Organics by GC
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Monitor Well #1- Deep (7B01021-01) Water | | | | | | | | | |
| Benzene | ND | 0.00100 | mg/L | 1 | EB70703 | 02/07/07 | 02/09/07 | EPA 8021B | |
| Toluene | ND | 0.00100 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.00100 | " | " | " | " | " | " | |
| Xylene (p/m) | ND | 0.00100 | " | " | " | " | " | " | |
| Xylene (o) | ND | 0.00100 | " | " | " | " | " | " | |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | | 86.2 % | | 80-120 | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 91.4 % | | 80-120 | " | " | " | " | |
| Monitor Well #2- Shallow (7B01021-02) Water | | | | | | | | | |
| Benzene | ND | 0.00100 | mg/L | 1 | EB70703 | 02/07/07 | 02/09/07 | EPA 8021B | |
| Toluene | ND | 0.00100 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.00100 | " | " | " | " | " | " | |
| Xylene (p/m) | ND | 0.00100 | " | " | " | " | " | " | |
| Xylene (o) | ND | 0.00100 | " | " | " | " | " | " | |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | | 86.0 % | | 80-120 | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 90.0 % | | 80-120 | " | " | " | " | |

Environmental Lab of Texas

A Xenco Laboratories Company

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: Hobbs Jct. F-29-1A
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 |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

Monitor Well #1- Deep (7B01021-01) Water

| | | | | | | | | | |
|------------------------|-----|------|------|----|---------|----------|----------|------------|--|
| Total Alkalinity | 164 | 2.00 | mg/L | 1 | EB70209 | 02/02/07 | 02/02/07 | EPA 310.1M | |
| Chloride | 325 | 5.00 | " | 10 | EB70208 | 02/02/07 | 02/03/07 | EPA 300.0 | |
| Total Dissolved Solids | 826 | 10.0 | " | 1 | EB70302 | 02/02/07 | 02/03/07 | EPA 160.1 | |
| Sulfate | 104 | 5.00 | " | 10 | EB70208 | 02/02/07 | 02/03/07 | EPA 300.0 | |

Monitor Well #2- Shallow (7B01021-02) Water

| | | | | | | | | | |
|------------------------|------|------|------|----|---------|----------|----------|------------|--|
| Total Alkalinity | 228 | 2.00 | mg/L | 1 | EB70209 | 02/02/07 | 02/02/07 | EPA 310.1M | |
| Chloride | 98.2 | 5.00 | " | 10 | EB70208 | 02/02/07 | 02/03/07 | EPA 300.0 | |
| Total Dissolved Solids | 556 | 10.0 | " | 1 | EB70302 | 02/02/07 | 02/03/07 | EPA 160.1 | |
| Sulfate | 125 | 5.00 | " | 10 | EB70208 | 02/02/07 | 02/03/07 | EPA 300.0 | |

Environmental Lab of Texas

A Xenco Laboratories Company

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

Project: Hobbs Jct. F-29-1A
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Total Metals by EPA / Standard Methods
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Monitor Well #1- Deep (7B01021-01) Water | | | | | | | | | |
| Calcium | 138 | 4.05 | mg/L | 50 | EB70612 | 02/06/07 | 02/06/07 | EPA 6010B | |
| Magnesium | 26.9 | 0.360 | " | 10 | " | " | " | " | |
| Potassium | 3.85 | 0.600 | " | " | " | " | " | " | |
| Sodium | 84.3 | 2.15 | " | 50 | " | " | " | " | |
| Monitor Well #2- Shallow (7B01021-02) Water | | | | | | | | | |
| Calcium | 27.5 | 0.810 | mg/L | 10 | EB70612 | 02/06/07 | 02/06/07 | EPA 6010B | |
| Magnesium | 15.0 | 0.360 | " | " | " | " | " | " | |
| Potassium | 2.68 | 0.600 | " | " | " | " | " | " | |
| Sodium | 124 | 2.15 | " | 50 | " | " | " | " | |

Environmental Lab of Texas

A Xenco Laboratories Company

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

Page 4 of 10

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

Project: Hobbs Jct. F-29-1A
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 | RPD RPD | RPD RPD | Notes |
|---------|--------|-----------------|-------|-------------|---------------|-----------|---------|---------|-------|
|---------|--------|-----------------|-------|-------------|---------------|-----------|---------|---------|-------|

Batch EB70703 - EPA 5030C (GC)

| Blank (EB70703-BLK1) | | Prepared: 02/07/07 Analyzed: 02/10/07 | | | | | | | |
|-----------------------------------|------|---------------------------------------|------|------|--|------|--|--------|--|
| 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 | 41.0 | | ug/l | 50.0 | | 82.0 | | 80-120 | |
| Surrogate: 4-Bromofluorobenzene | 43.5 | | " | 50.0 | | 87.0 | | 80-120 | |

| LCS (EB70703-BS1) | | Prepared: 02/07/07 Analyzed: 02/09/07 | | | | | | | |
|-----------------------------------|--------|---------------------------------------|------|--------|--|------|--|--------|--|
| Benzene | 0.0524 | 0.00100 | mg/L | 0.0500 | | 105 | | 80-120 | |
| Toluene | 0.0527 | 0.00100 | " | 0.0500 | | 105 | | 80-120 | |
| Ethylbenzene | 0.0524 | 0.00100 | " | 0.0500 | | 105 | | 80-120 | |
| Xylene (p/m) | 0.111 | 0.00100 | " | 0.100 | | 111 | | 80-120 | |
| Xylene (o) | 0.0478 | 0.00100 | " | 0.0500 | | 95.6 | | 80-120 | |
| Surrogate: a,a,a-Trifluorotoluene | 47.2 | | ug/l | 50.0 | | 94.4 | | 80-120 | |
| Surrogate: 4-Bromofluorobenzene | 53.0 | | " | 50.0 | | 106 | | 80-120 | |

| Calibration Check (EB70703-CCV1) | | Prepared: 02/07/07 Analyzed: 02/10/07 | | | | | | | |
|---|------|---------------------------------------|------|------|--|------|--|--------|--|
| Benzene | 55.4 | | ug/l | 50.0 | | 111 | | 80-120 | |
| Toluene | 53.4 | | " | 50.0 | | 107 | | 80-120 | |
| Ethylbenzene | 53.1 | | " | 50.0 | | 106 | | 80-120 | |
| Xylene (p/m) | 110 | | " | 100 | | 110 | | 80-120 | |
| Xylene (o) | 46.7 | | " | 50.0 | | 93.4 | | 80-120 | |
| Surrogate: a,a,a-Trifluorotoluene | 46.8 | | " | 50.0 | | 93.6 | | 80-120 | |
| Surrogate: 4-Bromofluorobenzene | 55.8 | | " | 50.0 | | 112 | | 80-120 | |

| Matrix Spike (EB70703-MS1) | | Source: 7B01020-01 | | Prepared: 02/07/07 Analyzed: 02/09/07 | | | | | |
|-----------------------------------|--------|--------------------|------|---------------------------------------|----|-----|--|--------|----|
| Benzene | 0.0598 | 0.00100 | mg/L | 0.0500 | ND | 120 | | 80-120 | |
| Toluene | 0.0587 | 0.00100 | " | 0.0500 | ND | 117 | | 80-120 | |
| Ethylbenzene | 0.0579 | 0.00100 | " | 0.0500 | ND | 116 | | 80-120 | |
| Xylene (p/m) | 0.125 | 0.00100 | " | 0.100 | ND | 125 | | 80-120 | M1 |
| Xylene (o) | 0.0550 | 0.00100 | " | 0.0500 | ND | 110 | | 80-120 | |
| Surrogate: a,a,a-Trifluorotoluene | 51.3 | | ug/l | 50.0 | | 103 | | 80-120 | |
| Surrogate: 4-Bromofluorobenzene | 58.7 | | " | 50.0 | | 117 | | 80-120 | |

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

Project: Hobbs Jct. F-29-1A
 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 EB70703 - EPA 5030C (GC)

Matrix Spike Dup (EB70703-MSD1)

Source: 7B01020-01

Prepared: 02/07/07 Analyzed: 02/10/07

| | | | | | | | | | | |
|--|-------------|---------|-------------|-------------|----|------------|---------------|------|----|-------------|
| Benzene | 0.0598 | 0.00100 | mg/L | 0.0500 | ND | 120 | 80-120 | 0.00 | 20 | |
| Toluene | 0.0593 | 0.00100 | " | 0.0500 | ND | 119 | 80-120 | 1.69 | 20 | |
| Ethylbenzene | 0.0599 | 0.00100 | " | 0.0500 | ND | 120 | 80-120 | 3.39 | 20 | |
| Xylene (p/m) | 0.128 | 0.00100 | " | 0.100 | ND | 128 | 80-120 | 2.37 | 20 | M1 |
| Xylene (o) | 0.0562 | 0.00100 | " | 0.0500 | ND | 112 | 80-120 | 1.80 | 20 | |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | <i>52.6</i> | | <i>ug/l</i> | <i>50.0</i> | | <i>105</i> | <i>80-120</i> | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>60.3</i> | | <i>"</i> | <i>50.0</i> | | <i>121</i> | <i>80-120</i> | | | <i>S-04</i> |

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

Project: Hobbs Jct. F-29-1A
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 EB70208 - General Preparation (WetChem)

| Blank (EB70208-BLK1) | | | | | | | | | | |
|---------------------------------------|-------|-------|------|--|--|--|--|--|--|------|
| Prepared: 02/02/07 Analyzed: 02/03/07 | | | | | | | | | | |
| Sulfate | 0.459 | 0.500 | mg/L | | | | | | | B, J |
| Chloride | ND | 0.500 | " | | | | | | | |

| LCS (EB70208-BS1) | | | | | | | | | | |
|---------------------------------------|------|-------|------|------|--|-----|--------|--|--|--|
| Prepared: 02/02/07 Analyzed: 02/03/07 | | | | | | | | | | |
| Chloride | 10.7 | 0.500 | mg/L | 10.0 | | 107 | 80-120 | | | |
| Sulfate | 11.6 | 0.500 | " | 10.0 | | 116 | 80-120 | | | |

| Calibration Check (EB70208-CCV1) | | | | | | | | | | |
|---|------|--|------|------|--|-----|--------|--|--|--|
| Prepared: 02/02/07 Analyzed: 02/03/07 | | | | | | | | | | |
| Chloride | 10.5 | | mg/L | 10.0 | | 105 | 80-120 | | | |
| Sulfate | 11.8 | | " | 10.0 | | 118 | 80-120 | | | |

| Duplicate (EB70208-DUP1) | | | | | | | | | | |
|--|------|------|------|--|------|--|--|------|----|--|
| Source: 7B01017-01 Prepared: 02/02/07 Analyzed: 02/03/07 | | | | | | | | | | |
| Sulfate | 93.0 | 5.00 | mg/L | | 96.4 | | | 3.59 | 20 | |
| Chloride | 127 | 5.00 | " | | 132 | | | 3.86 | 20 | |

| Duplicate (EB70208-DUP2) | | | | | | | | | | |
|--|------|------|------|--|------|--|--|-------|----|--|
| Source: 7B01020-02 Prepared: 02/02/07 Analyzed: 02/03/07 | | | | | | | | | | |
| Chloride | 2220 | 50.0 | mg/L | | 2240 | | | 0.897 | 20 | |
| Sulfate | 2410 | 50.0 | " | | 2400 | | | 0.416 | 20 | |

| Matrix Spike (EB70208-MS1) | | | | | | | | | | |
|--|-----|------|------|-----|------|-----|--------|--|--|--|
| Source: 7B01017-01 Prepared: 02/02/07 Analyzed: 02/03/07 | | | | | | | | | | |
| Sulfate | 204 | 5.00 | mg/L | 100 | 96.4 | 108 | 80-120 | | | |
| Chloride | 240 | 5.00 | " | 100 | 132 | 108 | 80-120 | | | |

| Matrix Spike (EB70208-MS2) | | | | | | | | | | |
|--|------|------|------|------|------|-----|--------|--|--|--|
| Source: 7B01020-02 Prepared: 02/02/07 Analyzed: 02/03/07 | | | | | | | | | | |
| Sulfate | 3500 | 50.0 | mg/L | 1000 | 2400 | 110 | 80-120 | | | |
| Chloride | 3330 | 50.0 | " | 1000 | 2240 | 109 | 80-120 | | | |

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

Project: Hobbs Jct. F-29-1A
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 EB70209 - General Preparation (WetChem)

| | | | | | | | | | | |
|-----------------------------|----|------|------|-------------------------------|--|--|--|--|--|--|
| Blank (EB70209-BLK1) | | | | Prepared & Analyzed: 02/02/07 | | | | | | |
| Total Alkalinity | ND | 2.00 | mg/L | | | | | | | |

| | | | | | | | | | | |
|---------------------------------|-----|------|------|--|-----|--|--|------|----|--|
| Duplicate (EB70209-DUP1) | | | | Source: 7B01016-01 Prepared & Analyzed: 02/02/07 | | | | | | |
| Total Alkalinity | 310 | 2.00 | mg/L | | 314 | | | 1.28 | 20 | |

| | | | | | | | | | | |
|---------------------------------|-----|--|------|-------------------------------|--|------|--------|--|--|--|
| Reference (EB70209-SRM1) | | | | Prepared & Analyzed: 02/02/07 | | | | | | |
| Total Alkalinity | 246 | | mg/L | 250 | | 98.4 | 90-110 | | | |

Batch EB70302 - Filtration Preparation

| | | | | | | | | | | |
|-----------------------------|----|------|------|---------------------------------------|--|--|--|--|--|--|
| Blank (EB70302-BLK1) | | | | Prepared: 02/02/07 Analyzed: 02/03/07 | | | | | | |
| Total Dissolved Solids | ND | 10.0 | mg/L | | | | | | | |

| | | | | | | | | | | |
|---------------------------------|------|------|------|--|------|--|--|------|----|--|
| Duplicate (EB70302-DUP1) | | | | Source: 7B01016-01 Prepared: 02/02/07 Analyzed: 02/03/07 | | | | | | |
| Total Dissolved Solids | 1920 | 10.0 | mg/L | | 1840 | | | 4.26 | 20 | |

| | | | | | | | | | | |
|---------------------------------|------|------|------|--|------|--|--|------|----|--|
| Duplicate (EB70302-DUP2) | | | | Source: 7B01020-01 Prepared: 02/02/07 Analyzed: 02/03/07 | | | | | | |
| Total Dissolved Solids | 6280 | 10.0 | mg/L | | 5700 | | | 9.68 | 20 | |

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

Project: Hobbs Jct. F-29-1A
 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 EB70612 - 6010B/No Digestion

Blank (EB70612-BLK1)

Prepared & Analyzed: 02/06/07

| | | | | | | | | | | |
|-----------|----|--------|------|--|--|--|--|--|--|--|
| Calcium | ND | 0.0810 | mg/L | | | | | | | |
| Magnesium | ND | 0.0360 | " | | | | | | | |
| Potassium | ND | 0.0600 | " | | | | | | | |
| Sodium | ND | 0.0430 | " | | | | | | | |

Calibration Check (EB70612-CCV1)

Prepared & Analyzed: 02/06/07

| | | | | | | | | | | |
|-----------|------|--|------|------|--|------|--------|--|--|--|
| Calcium | 1.79 | | mg/L | 2.00 | | 89.5 | 85-115 | | | |
| Magnesium | 1.98 | | " | 2.00 | | 99.0 | 85-115 | | | |
| Potassium | 1.80 | | " | 2.00 | | 90.0 | 85-115 | | | |
| Sodium | 1.74 | | " | 2.00 | | 87.0 | 85-115 | | | |

Duplicate (EB70612-DUP1)

Source: 7B01016-01

Prepared & Analyzed: 02/06/07

| | | | | | | | | | | |
|-----------|------|-------|------|--|------|--|--|-------|----|--|
| Calcium | 172 | 4.05 | mg/L | | 176 | | | 2.30 | 20 | |
| Magnesium | 111 | 1.80 | " | | 109 | | | 1.82 | 20 | |
| Potassium | 17.0 | 0.600 | " | | 16.8 | | | 1.18 | 20 | |
| Sodium | 306 | 4.30 | " | | 305 | | | 0.327 | 20 | |

Environmental Lab of Texas

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

Project: Hobbs Jct. F-29-1A
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Notes and Definitions

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

MI The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).

J Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

B Analyte is found in the associated blank as well as in the sample (CLP B-flag).

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: 2/13/2007

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

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Environmental Lab of Texas

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Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Rico Op.
 Date/ Time: 2-1-07 15:42
 Lab ID #: 01B01021
 Initials: OK

Sample Receipt Checklist

| | | | | Client Initials |
|--|-----|----|---------------------------|-----------------|
| #1 Temperature of container/ cooler? | Yes | No | 4.0 °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 | |

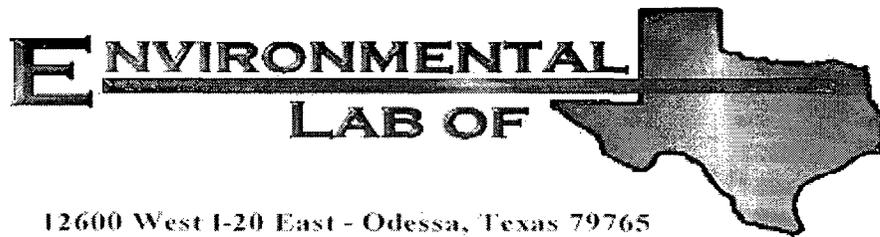
Variance Documentation

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



12600 West I-20 East - Odessa, Texas 79765

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Analytical Report

Prepared for:

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

Project: Hobbs Jct. F-29-1A

Project Number: None Given

Location: T18S R38E Sec29 F ~ Lea County New Mexico

Lab Order Number: 7D26011

Report Date: 05/07/07

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

Project: Hobbs Jct. F-29-1A
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|---------------------------|---------------|--------|----------------|------------------|
| Monitor Well # 1- Deep | 7D26011-01 | Water | 04/26/07 11:00 | 04-26-2007 16:25 |
| Monitor Well # 2- Shallow | 7D26011-02 | Water | 04/26/07 10:05 | 04-26-2007 16:25 |

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

Project: Hobbs Jct. F-29-1A
 Project Number: None Given
 Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Organics by GC
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|--------|-----------------|--------|----------|---------|----------|----------|-----------|-------|
| Monitor Well # 1- Deep (7D26011-01) Water | | | | | | | | | |
| Benzene | ND | 0.00100 | mg/L | 1 | ED73007 | 04/30/07 | 05/01/07 | EPA 8021B | |
| Toluene | ND | 0.00100 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.00100 | " | " | " | " | " | " | |
| Xylene (p/m) | ND | 0.00100 | " | " | " | " | " | " | |
| Xylene (o) | ND | 0.00100 | " | " | " | " | " | " | |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | | 108 % | 80-120 | " | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 101 % | 80-120 | " | " | " | " | " | |
| Monitor Well # 2- Shallow (7D26011-02) Water | | | | | | | | | |
| Benzene | ND | 0.00100 | mg/L | 1 | ED73007 | 04/30/07 | 05/01/07 | EPA 8021B | |
| Toluene | ND | 0.00100 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.00100 | " | " | " | " | " | " | |
| Xylene (p/m) | ND | 0.00100 | " | " | " | " | " | " | |
| Xylene (o) | ND | 0.00100 | " | " | " | " | " | " | |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | | 108 % | 80-120 | " | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 97.6 % | 80-120 | " | " | " | " | " | |

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

Project: Hobbs Jct. F-29-1A
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 |
|---|--------|--------------------|-------|----------|---------|----------|----------|------------|-------|
| Monitor Well # 1- Deep (7D26011-01) Water | | | | | | | | | |
| Total Alkalinity | 160 | 2.00 | mg/L | 1 | ED73002 | 04/30/07 | 04/30/07 | EPA 310.1M | |
| Chloride | 279 | 5.00 | " | 10 | EE70307 | 05/03/07 | 05/03/07 | EPA 300.0 | |
| Total Dissolved Solids | 850 | 10.0 | " | 1 | EE70209 | 04/27/07 | 05/02/07 | EPA 160.1 | |
| Sulfate | 95.7 | 5.00 | " | 10 | EE70307 | 05/03/07 | 05/03/07 | EPA 300.0 | |
| Monitor Well # 2- Shallow (7D26011-02) Water | | | | | | | | | |
| Total Alkalinity | 232 | 2.00 | mg/L | 1 | ED73002 | 04/30/07 | 04/30/07 | EPA 310.1M | |
| Chloride | 89.4 | 5.00 | " | 10 | EE70307 | 05/03/07 | 05/03/07 | EPA 300.0 | |
| Total Dissolved Solids | 556 | 10.0 | " | 1 | EE70209 | 04/27/07 | 05/02/07 | EPA 160.1 | |
| Sulfate | 107 | 5.00 | " | 10 | EE70307 | 05/03/07 | 05/03/07 | EPA 300.0 | |

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

Project: Hobbs Jct. F-29-1A
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Total Metals by EPA / Standard Methods
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

Monitor Well # 1- Deep (7D26011-01) Water

| | | | | | | | | | |
|-----------|------|-------|------|----|---------|----------|----------|-----------|--|
| Calcium | 181 | 4.05 | mg/L | 50 | ED72704 | 04/27/07 | 04/27/07 | EPA 6010B | |
| Magnesium | 25.5 | 0.360 | " | 10 | " | " | " | " | |
| Potassium | 4.45 | 0.600 | " | " | " | " | " | " | |
| Sodium | 86.4 | 2.15 | " | 50 | " | " | " | " | |

Monitor Well # 2- Shallow (7D26011-02) Water

| | | | | | | | | | |
|-----------|------|-------|------|----|---------|----------|----------|-----------|--|
| Calcium | 67.6 | 4.05 | mg/L | 50 | ED72704 | 04/27/07 | 04/27/07 | EPA 6010B | |
| Magnesium | 14.9 | 0.360 | " | 10 | " | " | " | " | |
| Potassium | 2.03 | 0.600 | " | " | " | " | " | " | |
| Sodium | 117 | 2.15 | " | 50 | " | " | " | " | |

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Project: Hobbs Jct. F-29-1A
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 ED73007 - EPA 5030C (GC)

Blank (ED73007-BLK1)

Prepared & Analyzed: 04/30/07

| | | | | | | | | | | |
|-----------------------------------|------|---------|------|------|--|-----|--------|--|--|--|
| 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 | 51.7 | | ug/l | 50.0 | | 103 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 52.3 | | " | 50.0 | | 105 | 80-120 | | | |

LCS (ED73007-BS1)

Prepared & Analyzed: 04/30/07

| | | | | | | | | | | |
|-----------------------------------|--------|---------|------|--------|--|-----|--------|--|--|--|
| Benzene | 0.0564 | 0.00100 | mg/L | 0.0500 | | 113 | 80-120 | | | |
| Toluene | 0.0571 | 0.00100 | " | 0.0500 | | 114 | 80-120 | | | |
| Ethylbenzene | 0.0575 | 0.00100 | " | 0.0500 | | 115 | 80-120 | | | |
| Xylene (p/m) | 0.106 | 0.00100 | " | 0.100 | | 106 | 80-120 | | | |
| Xylene (o) | 0.0575 | 0.00100 | " | 0.0500 | | 115 | 80-120 | | | |
| Surrogate: a,a,a-Trifluorotoluene | 55.4 | | ug/l | 50.0 | | 111 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 54.8 | | " | 50.0 | | 110 | 80-120 | | | |

Calibration Check (ED73007-CCVI)

Prepared: 04/30/07 Analyzed: 05/01/07

| | | | | | | | | | | |
|-----------------------------------|--------|--|------|--------|--|-----|--------|--|--|--|
| Benzene | 0.0547 | | mg/L | 0.0500 | | 109 | 80-120 | | | |
| Toluene | 0.0555 | | " | 0.0500 | | 111 | 80-120 | | | |
| Ethylbenzene | 0.0550 | | " | 0.0500 | | 110 | 80-120 | | | |
| Xylene (p/m) | 0.102 | | " | 0.100 | | 102 | 80-120 | | | |
| Xylene (o) | 0.0566 | | " | 0.0500 | | 113 | 80-120 | | | |
| Surrogate: a,a,a-Trifluorotoluene | 53.8 | | ug/l | 50.0 | | 108 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 53.8 | | " | 50.0 | | 108 | 80-120 | | | |

Matrix Spike (ED73007-MS1)

Source: 7D26012-01

Prepared: 04/30/07 Analyzed: 05/01/07

| | | | | | | | | | | |
|-----------------------------------|--------|---------|------|--------|----|-----|--------|--|--|--|
| Benzene | 0.0565 | 0.00100 | mg/L | 0.0500 | ND | 113 | 80-120 | | | |
| Toluene | 0.0568 | 0.00100 | " | 0.0500 | ND | 114 | 80-120 | | | |
| Ethylbenzene | 0.0549 | 0.00100 | " | 0.0500 | ND | 110 | 80-120 | | | |
| Xylene (p/m) | 0.105 | 0.00100 | " | 0.100 | ND | 105 | 80-120 | | | |
| Xylene (o) | 0.0577 | 0.00100 | " | 0.0500 | ND | 115 | 80-120 | | | |
| Surrogate: a,a,a-Trifluorotoluene | 54.0 | | ug/l | 50.0 | | 108 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 53.6 | | " | 50.0 | | 107 | 80-120 | | | |

Environmental Lab of Texas

A Xenco Laboratories Company

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: Hobbs Jct. F-29-1A
 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 ED73007 - EPA 5030C (GC)

Matrix Spike Dup (ED73007-MSD1)

Source: 7D26012-01

Prepared: 04/30/07 Analyzed: 05/01/07

| | | | | | | | | | | |
|---------------------------------|--------|---------|-------|--------|----|-----|--------|------|----|--|
| Benzene | 0.0542 | 0.00100 | mg/l. | 0.0500 | ND | 108 | 80-120 | 4.52 | 20 | |
| Toluene | 0.0551 | 0.00100 | " | 0.0500 | ND | 110 | 80-120 | 3.57 | 20 | |
| Ethylbenzene | 0.0561 | 0.00100 | " | 0.0500 | ND | 112 | 80-120 | 1.80 | 20 | |
| Xylene (p/m) | 0.102 | 0.00100 | " | 0.100 | ND | 102 | 80-120 | 2.90 | 20 | |
| Xylene (o) | 0.0557 | 0.00100 | " | 0.0500 | ND | 111 | 80-120 | 3.54 | 20 | |
| Surrogate: a,a-Trifluorotoluene | 52.7 | | ug/l | 50.0 | | 105 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 52.8 | | " | 50.0 | | 106 | 80-120 | | | |

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

Project: Hobbs Jct. F-29-1A
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 ED73002 - General Preparation (WetChem)

Blank (ED73002-BLK1)

Prepared & Analyzed: 04/30/07

Total Alkalinity ND 2.00 mg/L

LCS (ED73002-BS1)

Prepared & Analyzed: 04/30/07

Total Alkalinity 0.00 2.00 mg/L 85-115
Bicarbonate Alkalinity 180 2.00 " 200 90.0 85-115

Duplicate (ED73002-DUP1)

Source: 7D26006-01

Prepared & Analyzed: 04/30/07

Total Alkalinity 214 2.00 mg/L 218 1.85 20
Bicarbonate Alkalinity 0.00 2.00 " 0.00 20

Reference (ED73002-SRM1)

Prepared & Analyzed: 04/30/07

Total Alkalinity 256 mg/L 250 102 90-110

Batch EE70209 - General Preparation (WetChem)

Blank (EE70209-BLK1)

Prepared: 04/27/07 Analyzed: 05/02/07

Total Dissolved Solids ND 10.0 mg/L

Duplicate (EE70209-DUP1)

Source: 7D26007-01

Prepared: 04/27/07 Analyzed: 05/02/07

Total Dissolved Solids 1500 10.0 mg/L 1470 2.02 20

Duplicate (EE70209-DUP2)

Source: 7D26009-01

Prepared: 04/27/07 Analyzed: 05/02/07

Total Dissolved Solids 712 10.0 mg/L 684 4.01 20

Batch EE70307 - General Preparation (WetChem)

Blank (EE70307-BLK1)

Prepared & Analyzed: 05/03/07

Chloride ND 0.500 mg/L
Sulfate ND 0.500 "

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

Project: Hobbs Jct. F-29-1A
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 EE70307 - General Preparation (WetChem)

| LCS (EE70307-BS1) | | Prepared & Analyzed: 05/03/07 | | | | | | | | |
|---|------|-------------------------------|------|-------------------------------|------|------|--------|-------|----|----|
| Chloride | 9.62 | 0.500 | mg/L | 10.0 | | 96.2 | 80-120 | | | |
| Sulfate | 10.0 | 0.500 | " | 10.0 | | 100 | 80-120 | | | |
| Calibration Check (EE70307-CCV1) | | Prepared & Analyzed: 05/03/07 | | | | | | | | |
| Sulfate | 11.6 | | mg/L | 10.0 | | 116 | 80-120 | | | |
| Chloride | 8.93 | | " | 10.0 | | 89.3 | 80-120 | | | |
| Duplicate (EE70307-DUP1) | | Source: 7D26006-01 | | Prepared & Analyzed: 05/03/07 | | | | | | |
| Sulfate | 342 | 12.5 | mg/L | | 339 | | | 0.881 | 20 | |
| Chloride | 941 | 50.0 | " | | 917 | | | 2.58 | 20 | |
| Duplicate (EE70307-DUP2) | | Source: 7D26010-01 | | Prepared & Analyzed: 05/03/07 | | | | | | |
| Sulfate | 74.1 | 5.00 | mg/L | | 75.5 | | | 1.87 | 20 | |
| Chloride | 93.1 | 5.00 | " | | 94.3 | | | 1.28 | 20 | |
| Matrix Spike (EE70307-MS1) | | Source: 7D26006-01 | | Prepared & Analyzed: 05/03/07 | | | | | | |
| Sulfate | 728 | 12.5 | mg/L | 250 | 339 | 156 | 80-120 | | | M1 |
| Matrix Spike (EE70307-MS2) | | Source: 7D26010-01 | | Prepared & Analyzed: 05/03/07 | | | | | | |
| Chloride | 278 | 5.00 | mg/L | 100 | 94.3 | 184 | 80-120 | | | M1 |
| Sulfate | 204 | 5.00 | " | 100 | 75.5 | 128 | 80-120 | | | M1 |
| Matrix Spike (EE70307-MS3) | | Source: 7D26006-01 | | Prepared & Analyzed: 05/03/07 | | | | | | |
| Chloride | 1800 | 50.0 | mg/L | 1000 | 917 | 88.3 | 80-120 | | | |

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

Project: Hobbs Jct. F-29-1A
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 ED72704 - 6010B/No Digestion

Blank (ED72704-BLK1)

Prepared & Analyzed: 04/27/07

| | | | | | | | | | | |
|-----------|----|--------|------|--|--|--|--|--|--|--|
| Calcium | ND | 0.0810 | mg/L | | | | | | | |
| Magnesium | ND | 0.0360 | " | | | | | | | |
| Potassium | ND | 0.0600 | " | | | | | | | |
| Sodium | ND | 0.0430 | " | | | | | | | |

Calibration Check (ED72704-CCV1)

Prepared & Analyzed: 04/27/07

| | | | | | | | | | | |
|-----------|------|--|------|------|--|------|--------|--|--|--|
| Calcium | 2.13 | | mg/L | 2.00 | | 106 | 85-115 | | | |
| Magnesium | 2.15 | | " | 2.00 | | 108 | 85-115 | | | |
| Potassium | 2.14 | | " | 2.00 | | 107 | 85-115 | | | |
| Sodium | 1.98 | | " | 2.00 | | 99.0 | 85-115 | | | |

Duplicate (ED72704-DUP1)

Source: 7D23010-01

Prepared & Analyzed: 04/27/07

| | | | | | | | | | | |
|-----------|------|-------|------|--|------|--|--|------|----|--|
| Calcium | 44.1 | 0.810 | mg/L | | 42.4 | | | 3.93 | 20 | |
| Magnesium | 43.0 | 0.360 | " | | 42.4 | | | 1.41 | 20 | |
| Potassium | 22.7 | 0.600 | " | | 22.1 | | | 2.68 | 20 | |
| Sodium | 41.9 | 0.430 | " | | 40.8 | | | 2.66 | 20 | |

Environmental Lab of Texas

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

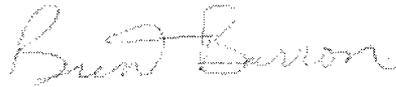
Project: Hobbs Jct. F-29-1A
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Notes and Definitions

MI The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference
LCS Laboratory Control Spike
MS Matrix Spike
Dup Duplicate

Report Approved By: _____



Date: 5/7/2007

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

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

Environmental Lab of Texas

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Page 10 of 10

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

Client: Rice
 Date/ Time: 4-26-07 4:25
 Lab ID #: TD26011
 Initials: CL

Sample Receipt Checklist

Client Initials

| | Yes | No | | Client Initials |
|--|------------|----|--------------------------|-----------------|
| #1 Temperature of container/ cooler? | <u>Yes</u> | No | -1.0 °C | |
| #2 Shipping container in good condition? | <u>Yes</u> | No | | |
| #3 Custody Seals intact on shipping container/ cooler? | <u>Yes</u> | No | Not Present | |
| #4 Custody Seals intact on sample bottles/ container? | <u>Yes</u> | No | Not Present | |
| #5 Chain of Custody present? | <u>Yes</u> | No | | |
| #6 Sample instructions complete of Chain of Custody? | <u>Yes</u> | No | | |
| #7 Chain of Custody signed when relinquished/ received? | <u>Yes</u> | No | | |
| #8 Chain of Custody agrees with sample label(s)? | <u>Yes</u> | No | ID written on Cont./ Lid | |
| #9 Container label(s) legible and intact? | <u>Yes</u> | No | Not Applicable | |
| #10 Sample matrix/ properties agree with Chain of Custody? | <u>Yes</u> | No | | |
| #11 Containers supplied by ELOT? | <u>Yes</u> | No | | |
| #12 Samples in proper container/ bottle? | <u>Yes</u> | No | See Below | |
| #13 Samples properly preserved? | <u>Yes</u> | No | See Below | |
| #14 Sample bottles intact? | <u>Yes</u> | No | | |
| #15 Preservations documented on Chain of Custody? | <u>Yes</u> | No | | |
| #16 Containers documented on Chain of Custody? | <u>Yes</u> | No | | |
| #17 Sufficient sample amount for indicated test(s)? | <u>Yes</u> | No | See Below | |
| #18 All samples received within sufficient hold time? | <u>Yes</u> | No | See Below | |
| #19 Subcontract of sample(s)? | Yes | No | <u>Not Applicable</u> | |
| #20 VOC samples have zero headspace? | <u>Yes</u> | 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

Analytical Report 287160

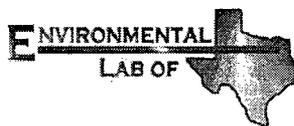
for

Rice Operating Co.

Project Manager: Kristin Pope

Hobbs Junction F-29-1A

13-AUG-07



12600 West I-20 East Odessa, Texas 79765

A Xenco Laboratories Company

NELAC certification numbers:

Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America



13-AUG-07

Project Manager: **Kristin Pope**
Rice Operating Co.
122 West Taylor
Hobbs, NM 88240

Reference: XENCO Report No: **287160**
Hobbs Junction F-29-1A
Project Address: T18S R38E Sec29 F E ~ Lea County New Mexico

Kristin Pope:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 287160. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 287160 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron

Odessa Laboratory Director

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Certificate of Analysis Summary 287160

Rice Operating Co., Hobbs, NM



Project Name: Hobbs Junction F-29-1A

Project Id:

Date Received in Lab Aug-02-07 12:50 pm

Contact: Kristin Pope

Report Date: 13-AUG-07

Project Location: T18S R38E Sec29 F E ~ Lea County New

Project Manager: Brent Barron, II

| <i>Analysis Requested</i> | <i>Lab Id:</i> | 287160-001 | 287160-002 | | |
|---|-------------------|-----------------------|--------------------------|--|--|
| | <i>Field Id:</i> | Monitor Well # 1-Deep | Monitor Well # 2-Shallow | | |
| | <i>Depth:</i> | | | | |
| | <i>Matrix:</i> | WATER | WATER | | |
| | <i>Sampled:</i> | Aug-01-07 10:25 | Aug-01-07 09:10 | | |
| Alkalinity by EPA 310.1 | <i>Extracted:</i> | | | | |
| | <i>Analyzed:</i> | Aug-07-07 13:00 | Aug-07-07 13:00 | | |
| | <i>Units/RL:</i> | mg/L RL | mg/L RL | | |
| Alkalinity, Total (as CaCO3) | | 188 4.00 | 240 4.00 | | |
| BTEX by EPA 8021B | <i>Extracted:</i> | Aug-02-07 16:55 | Aug-02-07 16:55 | | |
| | <i>Analyzed:</i> | Aug-05-07 19:23 | Aug-05-07 19:44 | | |
| | <i>Units/RL:</i> | mg/L RL | mg/L RL | | |
| Benzene | | ND 0.0010 | ND 0.0010 | | |
| Toluene | | ND 0.0010 | ND 0.0010 | | |
| Ethylbenzene | | ND 0.0010 | ND 0.0010 | | |
| m,p-Xylene | | ND 0.0020 | ND 0.0020 | | |
| o-Xylene | | ND 0.0010 | ND 0.0010 | | |
| Total Xylenes | | ND | ND | | |
| Total BTEX | | ND | ND | | |
| Inorganic Anions by EPA 300 | <i>Extracted:</i> | | | | |
| | <i>Analyzed:</i> | Aug-07-07 11:48 | Aug-07-07 11:48 | | |
| | <i>Units/RL:</i> | mg/L RL | mg/L RL | | |
| Chloride | | 263 10.0 | 27.2 5.00 | | |
| Sulfate | | 102 10.0 | 26.2 5.00 | | |
| Metals per ICP by SW846 6010B | <i>Extracted:</i> | | | | |
| | <i>Analyzed:</i> | Aug-03-07 14:39 | Aug-03-07 14:39 | | |
| | <i>Units/RL:</i> | mg/L RL | mg/L RL | | |
| Calcium | | 197 0.100 | 76.8 0.100 | | |
| Magnesium | | 18.5 0.010 | 12.4 0.010 | | |
| Potassium | | 3.52 0.500 | 2.23 0.500 | | |
| Sodium | | 69.1 0.500 | 111 0.500 | | |
| Residue, Filterable (TDS) by EPA 160.1 | <i>Extracted:</i> | | | | |
| | <i>Analyzed:</i> | Aug-06-07 16:20 | Aug-06-07 16:20 | | |
| | <i>Units/RL:</i> | mg/L RL | mg/L RL | | |
| Total dissolved solids | | 1160 5.00 | 592 5.00 | | |

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Since 1990 Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America


 Brent Barron
 Odessa Laboratory Director



Flagging Criteria

- X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.
- B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F RPD exceeded lab control limits.
- J The target analyte was positively identified below the MQL and above the SQL.
- U Analyte was not detected.
- L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K Sample analyzed outside of recommended hold time.

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2505 N. Falkenburg Rd., Tampa, FL 33619
5757 NW 158th St, Miami Lakes, FL 33014

| Phone | Fax |
|----------------|----------------|
| (281) 589-0692 | (281) 589-0695 |
| (214) 902 0300 | (214) 351-9139 |
| (210) 509-3334 | (201) 509-3335 |
| (813) 620-2000 | (813) 620-2033 |
| (305) 823-8500 | (305) 823-8555 |



Form 2 - Surrogate Recoveries



Project Name: Hobbs Junction F-29-1A

Work Order #: 287160

Project ID:

Lab Batch #: 701934

Sample: 287160-001 / SMP

Batch: 1 Matrix: Water

Units: mg/L

| SURROGATE RECOVERY STUDY | | | | | |
|--------------------------|------------------|-----------------|-----------------|-------------------|-------|
| BTEX by EPA 8021B | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
| Analytes | | | | | |
| 4-Bromofluorobenzene | 0.0436 | 0.0500 | 87 | 80-120 | |

Lab Batch #: 701934

Sample: 287160-002 / SMP

Batch: 1 Matrix: Water

Units: mg/L

| SURROGATE RECOVERY STUDY | | | | | |
|--------------------------|------------------|-----------------|-----------------|-------------------|-------|
| BTEX by EPA 8021B | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
| Analytes | | | | | |
| 4-Bromofluorobenzene | 0.0403 | 0.0500 | 81 | 80-120 | |

Lab Batch #: 701934

Sample: 287160-002 S / MS

Batch: 1 Matrix: Water

Units: mg/L

| SURROGATE RECOVERY STUDY | | | | | |
|--------------------------|------------------|-----------------|-----------------|-------------------|-------|
| BTEX by EPA 8021B | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
| Analytes | | | | | |
| 4-Bromofluorobenzene | 0.0495 | 0.0500 | 99 | 80-120 | |

Lab Batch #: 701934

Sample: 287160-002 SD / MSD

Batch: 1 Matrix: Water

Units: mg/L

| SURROGATE RECOVERY STUDY | | | | | |
|--------------------------|------------------|-----------------|-----------------|-------------------|-------|
| BTEX by EPA 8021B | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
| Analytes | | | | | |
| 4-Bromofluorobenzene | 0.0457 | 0.0500 | 91 | 80-120 | |

Lab Batch #: 701934

Sample: 497877-1-BKS / BKS

Batch: 1 Matrix: Water

Units: mg/L

| SURROGATE RECOVERY STUDY | | | | | |
|--------------------------|------------------|-----------------|-----------------|-------------------|-------|
| BTEX by EPA 8021B | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
| Analytes | | | | | |
| 4-Bromofluorobenzene | 0.0497 | 0.0500 | 99 | 80-120 | |

** Surrogates outside limits: data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries



Project Name: Hobbs Junction F-29-1A

Work Order #: 287160

Project ID:

Lab Batch #: 701934

Sample: 497877-1-BLK / BLK

Batch: 1 Matrix: Water

Units: mg/L

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-----------------------------------|---------------------|--------------------|-----------------------|----------------------|-------|
| 4-Bromofluorobenzene | 0.0467 | 0.0500 | 93 | 80-120 | |

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Blank Spike Recovery



Project Name: Hobbs Junction F-29-1A

Work Order #: 287160

Project ID:

Lab Batch #: 701789

Sample: 701789-1-BKS

Matrix: Water

Date Analyzed: 08/07/2007

Date Prepared: 08/07/2007

Analyst: WRU

Reporting Units: mg/L

Batch #: 1

BLANK /BLANK SPIKE RECOVERY STUDY

| Alkalinity by EPA 310.1 Analytes | Blank Result [A] | Spike Added [B] | Blank Spike Result [C] | Blank Spike % R [D] | Control Limits % R | Flags |
|-------------------------------------|------------------|-----------------|------------------------|---------------------|--------------------|-------|
| Alkalinity; Total (as CaCO3) | ND | 200 | 194 | 97 | 80-120 | |

Lab Batch #: 701934

Sample: 497877-1-BKS

Matrix: Water

Date Analyzed: 08/05/2007

Date Prepared: 08/04/2007

Analyst: CELKEE

Reporting Units: mg/L

Batch #: 1

BLANK /BLANK SPIKE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Blank Result [A] | Spike Added [B] | Blank Spike Result [C] | Blank Spike % R [D] | Control Limits % R | Flags |
|-------------------------------|------------------|-----------------|------------------------|---------------------|--------------------|-------|
| Benzene | ND | 0.0500 | 0.0512 | 102 | 70-125 | |
| Toluene | ND | 0.0500 | 0.0531 | 106 | 70-125 | |
| Ethylbenzene | ND | 0.0500 | 0.0573 | 115 | 71-129 | |
| m,p-Xylene | ND | 0.1000 | 0.1029 | 103 | 70-131 | |
| o-Xylene | ND | 0.0500 | 0.0554 | 111 | 71-133 | |

Lab Batch #: 701864

Sample: 701864-1-BKS

Matrix: Water

Date Analyzed: 08/07/2007

Date Prepared: 08/07/2007

Analyst: IRO

Reporting Units: mg/L

Batch #: 1

BLANK /BLANK SPIKE RECOVERY STUDY

| Inorganic Anions by EPA 300 Analytes | Blank Result [A] | Spike Added [B] | Blank Spike Result [C] | Blank Spike % R [D] | Control Limits % R | Flags |
|---|------------------|-----------------|------------------------|---------------------|--------------------|-------|
| Chloride | ND | 10.0 | 9.03 | 90 | 90-110 | |
| Sulfate | ND | 10.0 | 9.63 | 96 | 90-110 | |

Lab Batch #: 701571

Sample: 701571-1-BKS

Matrix: Water

Date Analyzed: 08/03/2007

Date Prepared: 08/03/2007

Analyst: LATCOR

Reporting Units: mg/L

Batch #: 1

BLANK /BLANK SPIKE RECOVERY STUDY

| Metals per ICP by SW846 6010B Analytes | Blank Result [A] | Spike Added [B] | Blank Spike Result [C] | Blank Spike % R [D] | Control Limits % R | Flags |
|---|------------------|-----------------|------------------------|---------------------|--------------------|-------|
| Calcium | ND | 2.00 | 1.83 | 92 | 75-125 | |
| Magnesium | ND | 2.00 | 2.08 | 104 | 75-125 | |
| Potassium | ND | 2.00 | 2.28 | 114 | 75-125 | |
| Sodium | ND | 2.00 | 1.94 | 97 | 75-125 | |

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.



Form 3 - MS Recoveries



Project Name: Hobbs Junction F-29-1A

Work Order #: 287160

Lab Batch #: 701864

Date Analyzed: 08/07/2007

QC- Sample ID: 287159-003 S

Reporting Units: mg/L

Date Prepared: 08/07/2007

Batch #: 1

Project ID:

Analyst: IRO

Matrix: Water

MATRIX / MATRIX SPIKE RECOVERY STUDY

| Inorganic Anions by EPA 300 | Parent Sample Result [A] | Spike Added [B] | Spiked Sample Result [C] | %R [D] | Control Limits %R | Flag |
|-----------------------------|--------------------------|-----------------|--------------------------|--------|-------------------|------|
| Analytes | | | | | | |
| Chloride | 548 | 250 | 862 | 126 | 90-110 | X |

Matrix Spike Percent Recovery [D] = $100 \cdot (C-A)/B$
 Relative Percent Difference [E] = $200 \cdot (C-A)/(C+B)$
 All Results are based on MDL and Validated for QC Purposes



Form 3 - MS / MSD Recoveries



Project Name: Hobbs Junction F-29-1A

Work Order # 287160

Project ID:

Lab Batch ID: 701934

QC-Sample ID: 287160-002 S Batch #: 1 Matrix: Water

Date Analyzed: 08/05/2007

Date Prepared: 08/04/2007 Analyst: CELKEE

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

| Analytes | MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY | | | | | | | | | | |
|--------------|--|-----------------|--------------------------|----------------------|-----------------|------------------------------------|--------------------|-------|-------------------|---------------------|------|
| | Parent Sample Result [A] | Spike Added [B] | Spiked Sample Result [C] | Spiked Sample %R [D] | Spike Added [E] | Duplicate Spiked Sample Result [F] | Spiked Dup. %R [G] | RPD % | Control Limits %R | Control Limits %RPD | Flag |
| Benzene | ND | 0.0500 | 0.0510 | 102 | 0.0500 | 0.0510 | 102 | 0 | 70-125 | 25 | |
| Toluene | ND | 0.0500 | 0.0528 | 106 | 0.0500 | 0.0528 | 106 | 0 | 70-125 | 25 | |
| Ethylbenzene | ND | 0.0500 | 0.0573 | 115 | 0.0500 | 0.0562 | 112 | 3 | 71-129 | 25 | |
| m,p-Xylene | ND | 0.1000 | 0.1023 | 102 | 0.1000 | 0.0994 | 99 | 3 | 70-131 | 25 | |
| o-Xylene | ND | 0.0500 | 0.0554 | 111 | 0.0500 | 0.0536 | 107 | 4 | 71-133 | 25 | |

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*(D-G)/(D+G)

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit



Sample Duplicate Recovery



Project Name: Hobbs Junction F-29-1A

Work Order #: 287160

Lab Batch #: 701789
Date Analyzed: 08/07/2007
QC- Sample ID: 287122-001 D
Reporting Units: mg/L

Date Prepared: 08/07/2007
Batch #: 1

Project ID:
Analyst: WRU
Matrix: Water

| SAMPLE / SAMPLE DUPLICATE RECOVERY | | | | | |
|------------------------------------|--------------------------|-----------------------------|-----|---------------------|------|
| Alkalinity by EPA 310.1 | Parent Sample Result [A] | Sample Duplicate Result [B] | RPD | Control Limits %RPD | Flag |
| Analyte | | | | | |
| Alkalinity, Total (as CaCO3) | 216 | 216 | 0 | 20 | |

Lab Batch #: 701571
Date Analyzed: 08/03/2007
QC- Sample ID: 287179-001 D
Reporting Units: mg/L

Date Prepared: 08/03/2007
Batch #: 1

Analyst: LATCOR
Matrix: Water

| SAMPLE / SAMPLE DUPLICATE RECOVERY | | | | | |
|------------------------------------|--------------------------|-----------------------------|-----|---------------------|------|
| Metals per ICP by SW846 6010B | Parent Sample Result [A] | Sample Duplicate Result [B] | RPD | Control Limits %RPD | Flag |
| Analyte | | | | | |
| Calcium | 301 | 285 | 5 | 25 | |
| Magnesium | 120 | 134 | 11 | 25 | |
| Potassium | 20.1 | 15.8 | 24 | 25 | |
| Sodium | 284 | 265 | 7 | 25 | |

Lab Batch #: 701790
Date Analyzed: 08/06/2007
QC- Sample ID: 287122-001 D
Reporting Units: mg/L

Date Prepared: 08/06/2007
Batch #: 1

Analyst: IRO
Matrix: Water

| SAMPLE / SAMPLE DUPLICATE RECOVERY | | | | | |
|--|--------------------------|-----------------------------|-----|---------------------|------|
| Residue, Filterable (TDS) by EPA 160.1 | Parent Sample Result [A] | Sample Duplicate Result [B] | RPD | Control Limits %RPD | Flag |
| Analyte | | | | | |
| Total dissolved solids | 754 | 784 | 4 | 30 | |

Lab Batch #: 701790
Date Analyzed: 08/06/2007
QC- Sample ID: 287348-002 D
Reporting Units: mg/L

Date Prepared: 08/06/2007
Batch #: 1

Analyst: IRO
Matrix: Water

| SAMPLE / SAMPLE DUPLICATE RECOVERY | | | | | |
|--|--------------------------|-----------------------------|-----|---------------------|------|
| Residue, Filterable (TDS) by EPA 160.1 | Parent Sample Result [A] | Sample Duplicate Result [B] | RPD | Control Limits %RPD | Flag |
| Analyte | | | | | |
| Total dissolved solids | 6250 | 6290 | 1 | 30 | |

Spike Relative Difference RPD $200 * |(B-A)/(B+A)|$
All Results are based on MDL and validated for QC purposes.

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

Client: Rice
 Date/ Time: 8.2.07 12:50
 Lab ID #: 287160
 initials: al

Sample Receipt Checklist

| | | | | Client Initials |
|-----|--|------------|----|--------------------------|
| #1 | Temperature of container/ cooler? | <u>Yes</u> | No | 1.5 °C |
| #2 | Shipping container in good condition? | <u>Yes</u> | No | |
| #3 | Custody Seals intact on shipping container/ cooler? | <u>Yes</u> | No | Not Present |
| #4 | Custody Seals intact on sample bottles/ container? | <u>Yes</u> | No | Not Present |
| #5 | Chain of Custody present? | <u>Yes</u> | No | |
| #6 | Sample instructions complete of Chain of Custody? | <u>Yes</u> | No | |
| #7 | Chain of Custody signed when relinquished/ received? | <u>Yes</u> | No | |
| #8 | Chain of Custody agrees with sample label(s)? | <u>Yes</u> | No | ID written on Cont./ Lid |
| #9 | Container label(s) legible and intact? | <u>Yes</u> | No | Not Applicable |
| #10 | Sample matrix/ properties agree with Chain of Custody? | <u>Yes</u> | No | |
| #11 | Containers supplied by ELOT? | <u>Yes</u> | No | |
| #12 | Samples in proper container/ bottle? | <u>Yes</u> | No | See Below |
| #13 | Samples properly preserved? | <u>Yes</u> | No | See Below |
| #14 | Sample bottles intact? | <u>Yes</u> | No | |
| #15 | Preservations documented on Chain of Custody? | <u>Yes</u> | No | |
| #16 | Containers documented on Chain of Custody? | <u>Yes</u> | No | |
| #17 | Sufficient sample amount for indicated test(s)? | <u>Yes</u> | No | See Below |
| #18 | All samples received within sufficient hold time? | <u>Yes</u> | No | See Below |
| #19 | Subcontract of sample(s)? | <u>Yes</u> | No | <u>Not Applicable</u> |
| #20 | VOC samples have zero headspace? | <u>Yes</u> | 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



ARDINAL LABORATORIES

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

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

ANALYTICAL RESULTS FOR
RICE OPERATING COMPANY
ATTN: KRISTIN FARRIS-POPE
122 W. TAYLOR STREET
HOBBS, NM 88240
FAX TO: (575) 397-1471

Receiving Date: 10/22/07
Reporting Date: 10/26/07
Project Number: NOT GIVEN
Project Name: HOBBS JUNCTION F-29-1A
Project Location: T18S-R38E-SEC29 F-LEA COUNTY, NM

Sampling Date: 10/19/07
Sample Type: WATER
Sample Condition: COOL & INTACT
Sample Received By: SB
Analyzed By: HM/KS

| LAB NUMBER | SAMPLE ID | Na (mg/L) | Ca (mg/L) | Mg (mg/L) | K (mg/L) | Conductivity (μ S/cm) | T-Alkalinity (mgCaCO ₃ /L) |
|-----------------------------|-----------------|--------------|--------------|--------------|-------------|-------------------------------|--|
| ANALYSIS DATE: | | 10/26/07 | 10/25/07 | 10/25/07 | 10/25/07 | 10/24/07 | 10/24/07 |
| H13553-1 | M.W. #1~DEEP | 84 | 174 | 22.6 | 2.65 | 1,472 | 168 |
| H13553-2 | M.W. #2~SHALLOW | 105 | 71.9 | 17.7 | 1.11 | 955 | 212 |
| Quality Control | | NR | 49.2 | 51.6 | 2.73 | 1,386 | NR |
| True Value QC | | NR | 50.0 | 50.0 | 3.00 | 1,404 | NR |
| % Recovery | | NR | 98.4 | 103 | 91.0 | 98.7 | NR |
| Relative Percent Difference | | NR | < 0.1 | < 0.1 | 6.7 | 1.3 | NR |

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

| LAB NUMBER | SAMPLE ID | Cl ⁻ (mg/L) | SO ₄ (mg/L) | CO ₃ (mg/L) | HCO ₃ (mg/L) | pH (s.u.) | TDS (mg/L) |
|-----------------------------|-----------------|---------------------------|---------------------------|---------------------------|----------------------------|--------------|---------------|
| ANALYSIS DATE: | | 10/25/07 | 10/26/07 | 10/24/07 | 10/24/07 | 10/24/07 | 10/24/07 |
| H13553-1 | M.W. #1~DEEP | 292 | 130 | 0 | 205 | 7.37 | 1,047 |
| H13553-2 | M.W. #2~SHALLOW | 100 | 125 | 0 | 259 | 7.55 | 624 |
| Quality Control | | 500 | 23.5 | NR | 1000 | 6.97 | NR |
| True Value QC | | 500 | 25.0 | NR | 1000 | 7.00 | NR |
| % Recovery | | 100 | 93.9 | NR | 100 | 99.6 | NR |
| Relative Percent Difference | | 2.0 | 12.5 | NR | 1.2 | 0.1 | NR |

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

Kristin Pope
Chemist

10/26/07
Date



**ARDINAL
LABORATORIES**

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

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

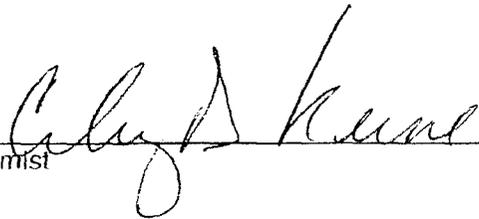
ANALYTICAL RESULTS FOR
RICE OPERATING COMPANY
ATTN: KRISTIN FARRIS-POPE
122 WEST TAYLOR
HOBBS, NM 88240
FAX TO: (575) 397-1471

Receiving Date: 10/22/07
Reporting Date: 10/24/07
Project Number: NOT GIVEN
Project Name: HOBBS JUNCTION F-29-1A
Project Location: T18S R38E SEC29 F - LEA COUNTY, NM

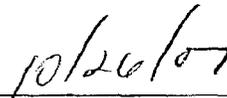
Sampling Date: 10/19/07
Sample Type: WATER
Sample Condition: COOL & INTACT
Sample Received By: SB
Analyzed By: CK

| LAB NUMBER | SAMPLE ID | BENZENE (mg/L) | TOLUENE (mg/L) | ETHYL BENZENE (mg/L) | TOTAL XYLENES (mg/L) |
|------------|-----------------------------|-------------------|-------------------|----------------------------|----------------------------|
| | ANALYSIS DATE | 10/23/07 | 10/23/07 | 10/23/07 | 10/23/07 |
| H13553-1 | MONITOR WELL #1 - DEEP | <0.001 | <0.001 | <0.001 | <0.003 |
| H13553-2 | MONITOR WELL #2 - SHALLOW | <0.001 | <0.001 | <0.001 | <0.003 |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | Quality Control | 0.106 | 0.101 | 0.102 | 0.310 |
| | True Value QC | 0.100 | 0.100 | 0.100 | 0.300 |
| | % Recovery | 106 | 101 | 102 | 103 |
| | Relative Percent Difference | 1.8 | 1.0 | 1.9 | 1.0 |

METHOD: EPA SW-846 8021B



Chemist

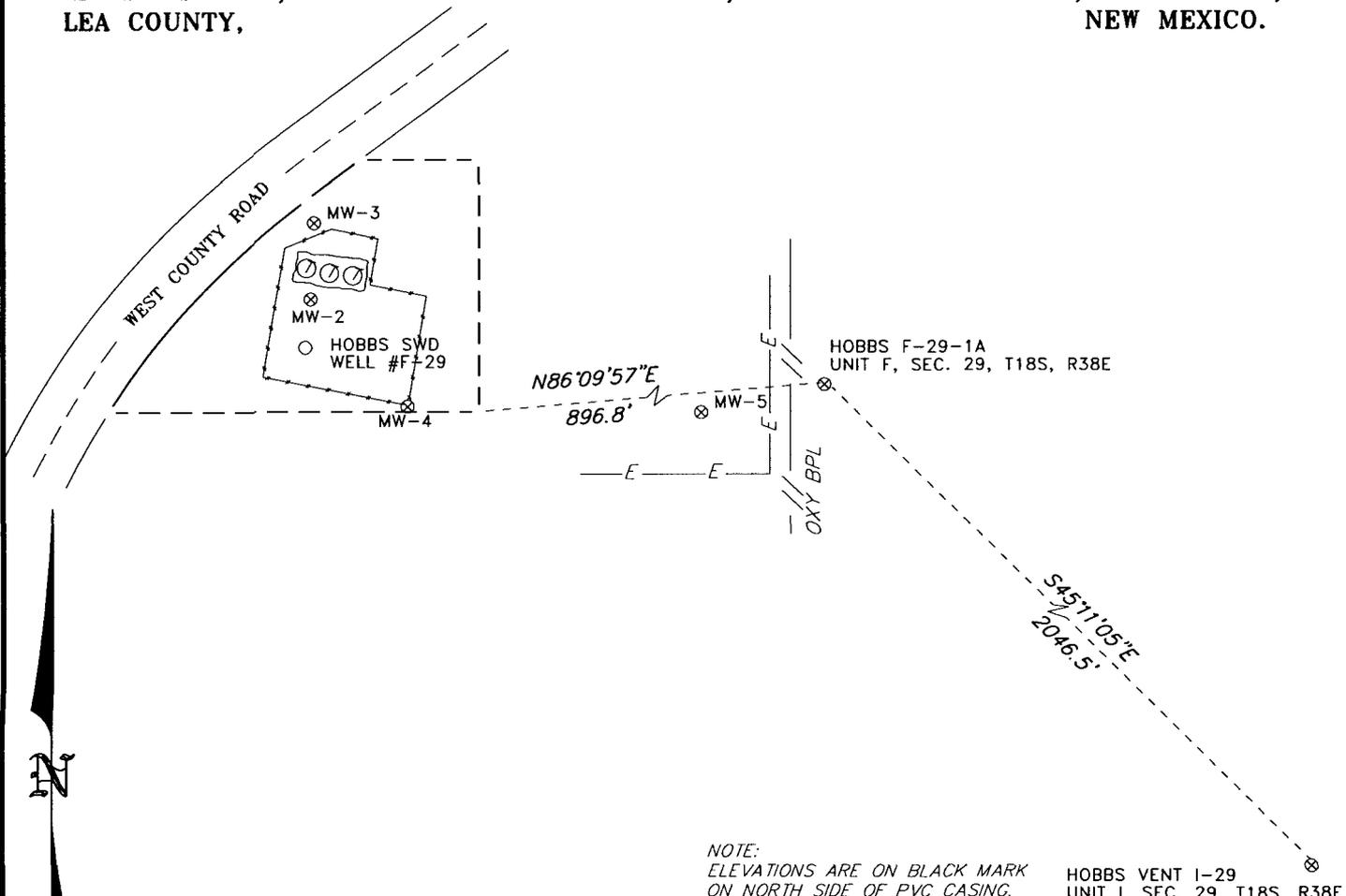


Date

H13553b Rice

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.

SECTION 29, TOWNSHIP 18 SOUTH, RANGE 38 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.

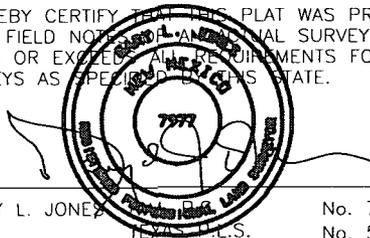


NOTE:
ELEVATIONS ARE ON BLACK MARK
ON NORTH SIDE OF PVC CASING.

NEW MEXICO STATE PLANE COORDINATES (NAD83)

| WELL | NORTHING | EASTING | LATITUDE | LONGITUDE | ELEVATION |
|--|------------|------------|---------------|----------------|-------------------------------|
| MW-2 | 627819.025 | 898021.191 | N 32°43'14.0" | W 103°10'24.9" | 3645.71' |
| MW-3 | 627908.779 | 898025.082 | N 32°43'14.9" | W 103°10'24.8" | 3645.76' |
| MW-4 | 627693.822 | 898134.408 | N 32°43'12.7" | W 103°10'23.6" | 3645.76' |
| MW-5 | 627687.313 | 898477.159 | N 32°43'12.7" | W 103°10'19.5" | 3646.74' PVC 3644.37'-GRND |
| HOBBS F-29-1A MARK ON NORTH SIDE OF NORTH 2" PVC | 627753.789 | 899029.184 | N 32°43'13.2" | W 103°10'13.1" | 3648.89' 3645.5'-GRND |
| HOBBS F-29-1A MARK ON NORTH SIDE OF SOUTH 2" PVC | 627753.579 | 899029.160 | N 32°43'13.2" | W 103°10'13.1" | 3648.76' 3645.5'-GRND |
| HOBBS VENT I-29 MARK ON NORTH SIDE OF 2" PVC | 626311.386 | 900480.915 | N 32°42'58.8" | W 103°09'56.3" | 3650.65' 3647.6'-GRND |

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



GARY L. JONES No. 7977
LEA COUNTY, N.M. No. 5074



RICE OPERATING COMPANY

REF: MONITOR WELLS

MONITOR WELLS LOCATED IN
SECTION 29, TOWNSHIP 18 SOUTH, RANGE 38 EAST,
N.M.P.M., LEA COUNTY, NEW MEXICO.

Basin Surveys P.O. BOX 1786 - HOBBS, NEW MEXICO

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

Date: 02-11-2005 Disk: KJG CD#4 - RICEB.DWG

Survey Date: VARIES

Sheet 1 of 1 Sheets

R. T. HICKS CONSULTANTS, LTD.

901 Rio Grande Blvd NW ▲ Suite F-142 ▲ Albuquerque, NM 87104 ▲ 505.266.5004 ▲ Fax: 505.266-0745

February 12, 2007

Wayne Price
Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, NM 87505

RE: 2006 Annual Ground Water Monitoring Report
F-29-1A Vent, Sec 29, T18S, R38E, Unit "F"
NMOCD Case #: Pending

Dear Mr. Wayne Price:

R.T. Hicks Consultants, Ltd is pleased to submit the 2006 Annual Ground Water Monitoring Report for the F-29-1A Vent site located in the Hobbs Salt Water Disposal System (SWD). This report consists of the following sections:

1. A table summarizing all laboratory results, depth to ground water and other pertinent data associated with ground water sampling at the site, including this past year.
2. Graphs showing chemical concentration vs. time for chloride and TDS.
3. Laboratory data sheets associated with the routine sampling for 2006.

The Correction Action Plan was submitted to NMOCD on February 15, 2006. NMOCD approved the Closure Report on condition the monitoring wells remain active. ROC will submit a Final Closure Report in early 2007.

Thank you for your consideration of this annual summary information. The attached CD contains an electronic copy of the annual report. If you have any questions, please contact us at 505-266-5004, or Kristin Farris Pope at ROC, 505-393-9174.

Sincerely,
R.T. Hicks Consultants, Ltd.



Randall T. Hicks
Principal

Copy: Hobbs NMOCD office; Rice Operating Company

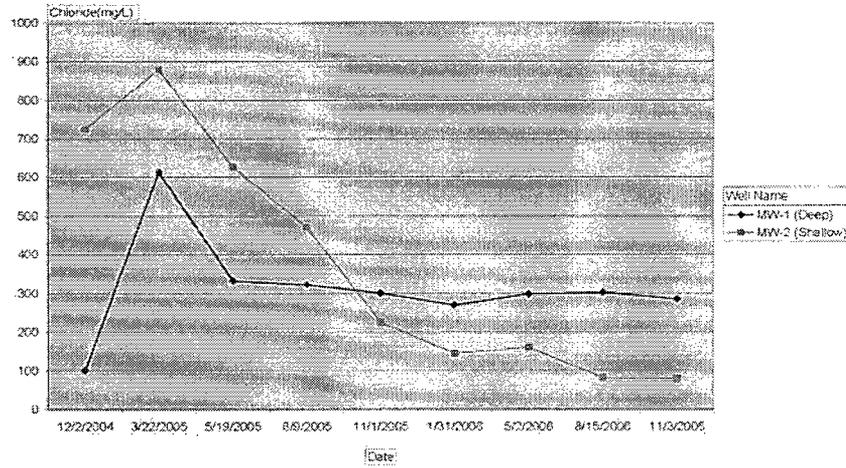
Table 1: chemistry over time

| Well Name | Date | DTIV (ft) | Chlorite (mg/L) | Sulfate (mg/L) | TDS (mg/L) | Benzene (ug/L) | Toluene (ug/L) | EthylBenzene (ug/L) | Total Xylenes (ug/L) | Comments |
|----------------|-----------|-----------|-----------------|----------------|------------|----------------|----------------|---------------------|----------------------|----------------|
| MW-1 (Deep) | 12/2/2004 | 60.74 | 100 | No Results | 465 | <0.001 | <0.001 | <0.001 | <0.001 | clear, no odor |
| MW-1 (Deep) | 3/22/2005 | 60.10 | 613 | 154 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | gray, no odor |
| MW-1 (Deep) | 5/19/2005 | 60.13 | 332 | 84.5 | 1280 | <0.001 | <0.001 | <0.001 | <0.001 | |
| MW-1 (Deep) | 8/9/2005 | 60.22 | 322 | 75.7 | 1080 | <0.001 | <0.001 | <0.001 | <0.001 | |
| MW-1 (Deep) | 11/1/2005 | 60.45 | 300 | 63.2 | 986 | <0.001 | <0.001 | <0.001 | <0.001 | clear, no odor |
| MW-1 (Deep) | 1/31/2006 | 60.54 | 270 | 58.1 | 1000 | <0.001 | <0.001 | <0.001 | <0.001 | clear, no odor |
| MW-1 (Deep) | 5/2/2006 | 60.61 | 288 | 62.9 | 996 | <0.001 | <0.001 | <0.001 | <0.001 | |
| MW-1 (Deep) | 8/15/2006 | 60.98 | 302 | 80.7 | 1060 | <0.001 | <0.001 | <0.001 | <0.001 | clear, no odor |
| MW-1 (Deep) | 11/3/2006 | 60.79 | 285 | 86.1 | 866 | <0.001 | <0.001 | <0.001 | <0.001 | Clear no odor |
| MW-2 (Shallow) | 12/2/2004 | 60.64 | 725 | No Results | 3280 | <0.001 | <0.001 | <0.001 | <0.001 | gray, no odor |
| MW-2 (Shallow) | 3/22/2005 | 60.08 | 879 | 1780 | 3960 | <0.001 | <0.001 | <0.001 | <0.001 | gray, no odor |
| MW-2 (Shallow) | 5/19/2005 | 60.04 | 626 | 788 | 2750 | <0.001 | <0.001 | <0.001 | <0.001 | |
| MW-2 (Shallow) | 8/9/2005 | 60.14 | 470 | 475 | 1780 | <0.001 | <0.001 | <0.001 | <0.001 | |
| MW-2 (Shallow) | 11/1/2005 | 60.34 | 226 | 218 | 1100 | <0.001 | <0.001 | <0.001 | <0.001 | Clear, no odor |
| MW-2 (Shallow) | 1/31/2006 | 60.42 | 144 | 58.1 | 924 | <0.001 | <0.001 | <0.001 | <0.001 | |
| MW-2 (Shallow) | 5/2/2006 | 60.50 | 160 | 153 | 1040 | <0.001 | <0.001 | <0.001 | <0.001 | |
| MW-2 (Shallow) | 8/15/2006 | 60.86 | 81.9 | 104 | 578 | <0.001 | <0.001 | <0.001 | <0.001 | Clear, no odor |
| MW-2 (Shallow) | 11/3/2006 | 60.69 | 79.6 | 111 | 582 | <0.001 | <0.001 | <0.001 | <0.001 | Clear no odor |

Ground Water Quality at
F-29-1a Vent

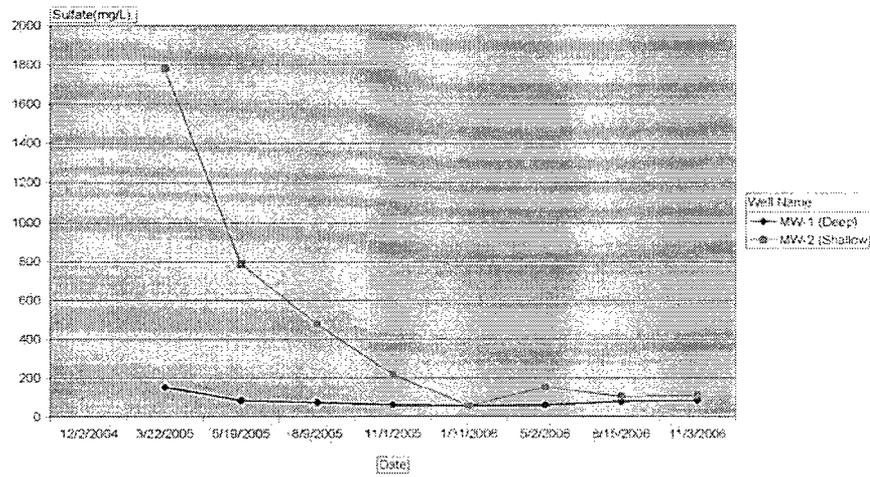
Site Name: F-29-1A Vent

Chloride Over Time



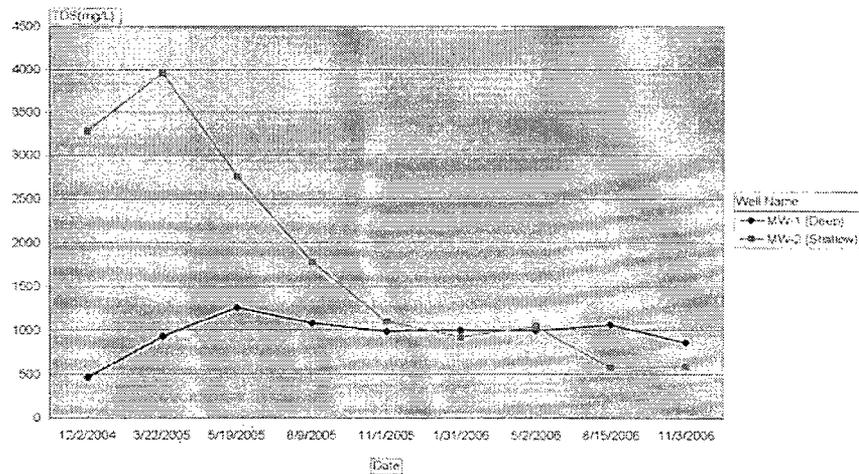
Site Name: F-29-1A Vent

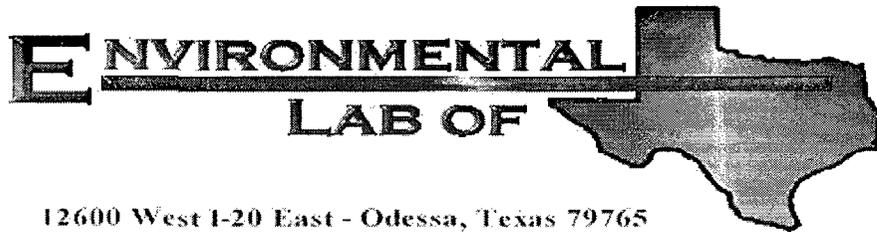
Sulfate Over Time



Site Name: F-29-1A Vent

TDS Over Time





12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

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

Project: Hobbs Jct. F-29-1A

Project Number: None Given

Location: Lea County

Lab Order Number: 6B02006

Report Date: 02/16/06

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

Project: Hobbs Jct. F-29-1A
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
02/16/06 17:36

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-------------------------|---------------|--------|----------------|----------------|
| Monitor Well #1 Deep | 6B02006-01 | Water | 01/31/06 09:50 | 02/02/06 09:00 |
| Monitor Well #2 Shallow | 6B02006-02 | Water | 01/31/06 09:15 | 02/02/06 09:00 |

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

Project: Hobbs Jct. F-29-1A
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
02/16/06 17:36

Organics by GC
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Monitor Well #1 Deep (6B02006-01) Water | | | | | | | | | |
| Benzene | ND | 0.00100 | mg/L | 1 | EB60910 | 02/09/06 | 02/10/06 | EPA 8021B | |
| Toluene | ND | 0.00100 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.00100 | " | " | " | " | " | " | |
| Xylene (p/m) | ND | 0.00100 | " | " | " | " | " | " | |
| Xylene (o) | ND | 0.00100 | " | " | " | " | " | " | |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | | 87.5 % | | 80-120 | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 80.8 % | | 80-120 | " | " | " | " | |
| Monitor Well #2 Shallow (6B02006-02) Water | | | | | | | | | |
| Benzene | ND | 0.00100 | mg/L | 1 | EB60910 | 02/09/06 | 02/10/06 | EPA 8021B | |
| Toluene | ND | 0.00100 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.00100 | " | " | " | " | " | " | |
| Xylene (p/m) | ND | 0.00100 | " | " | " | " | " | " | |
| Xylene (o) | ND | 0.00100 | " | " | " | " | " | " | |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | | 92.8 % | | 80-120 | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 90.5 % | | 80-120 | " | " | " | " | |

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

Project: Hobbs Jct. F-29-1A
 Project Number: None Given
 Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
 02/16/06 17:36

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

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|--------|-----------------|-------|----------|---------|----------|----------|------------|-------|
| Monitor Well #1 Deep (6B02006-01) Water | | | | | | | | | |
| Total Alkalinity | 140 | 2.00 | mg/L | 1 | EB60901 | 02/08/06 | 02/08/06 | EPA 310.1M | |
| Chloride | 270 | 5.00 | " | 10 | EB60614 | 02/04/06 | 02/06/06 | EPA 300.0 | |
| Total Dissolved Solids | 1000 | 5.00 | " | 1 | EB60302 | 02/02/06 | 02/02/06 | EPA 160.1 | |
| Sulfate | 58.1 | 5.00 | " | 10 | EB60614 | 02/04/06 | 02/06/06 | EPA 300.0 | |
| Monitor Well #2 Shallow (6B02006-02) Water | | | | | | | | | |
| Total Alkalinity | 238 | 2.00 | mg/L | 1 | EB60901 | 02/08/06 | 02/08/06 | EPA 310.1M | |
| Chloride | 144 | 5.00 | " | 10 | EB60614 | 02/04/06 | 02/06/06 | EPA 300.0 | |
| Total Dissolved Solids | 924 | 5.00 | " | 1 | EB60302 | 02/02/06 | 02/02/06 | EPA 160.1 | |
| Sulfate | 156 | 5.00 | " | 10 | EB60614 | 02/04/06 | 02/06/06 | EPA 300.0 | |

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

Project: Hobbs Jct. F-29-1A
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
02/16/06 17:36

Total Metals by EPA / Standard Methods
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Monitor Well #1 Deep (6B02006-01) Water | | | | | | | | | |
| Calcium | 179 | 0.500 | mg/L | 50 | EB60903 | 02/08/06 | 02/09/06 | EPA 200.7 | |
| Magnesium | 21.4 | 0.0100 | " | 10 | " | " | " | " | |
| Potassium | 5.89 | 0.0500 | " | 1 | " | " | " | " | |
| Sodium | 68.4 | 0.500 | " | 50 | " | " | " | " | |
| Monitor Well #2 Shallow (6B02006-02) Water | | | | | | | | | |
| Calcium | 63.2 | 0.500 | mg/L | 50 | EB60903 | 02/08/06 | 02/09/06 | EPA 200.7 | |
| Magnesium | 16.8 | 0.0100 | " | 10 | " | " | " | " | |
| Potassium | 2.47 | 0.0500 | " | 1 | " | " | " | " | |
| Sodium | 254 | 0.500 | " | 50 | " | " | " | " | |

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

Project: Hobbs Jct. F-29-1A
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
02/16/06 17:36

**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 EB60910 - EPA 5030C (GC)

Blank (EB60910-BLK1)

Prepared: 02/09/06 Analyzed: 02/10/06

| | | | | | | | | | | |
|---|------|---------|------|------|--|------|--------|--|--|--|
| Benzene | ND | 0.00100 | mg/L | | | | | | | |
| Toluene | ND | 0.00100 | " | | | | | | | |
| Ethylbenzene | ND | 0.00100 | " | | | | | | | |
| Xylene (p/m) | ND | 0.00100 | " | | | | | | | |
| Xylene (o) | ND | 0.00100 | " | | | | | | | |
| Surrogate: <i>a,a,a</i> -Trifluorotoluene | 34.5 | | ug/l | 40.0 | | 86.2 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 32.1 | | " | 40.0 | | 80.2 | 80-120 | | | |

LCS (EB60910-BS1)

Prepared: 02/09/06 Analyzed: 02/10/06

| | | | | | | | | | | |
|---|--------|---------|------|--------|--|------|--------|--|--|--|
| Benzene | 0.0457 | 0.00100 | mg/L | 0.0500 | | 91.4 | 80-120 | | | |
| Toluene | 0.0496 | 0.00100 | " | 0.0500 | | 99.2 | 80-120 | | | |
| Ethylbenzene | 0.0498 | 0.00100 | " | 0.0500 | | 99.6 | 80-120 | | | |
| Xylene (p/m) | 0.100 | 0.00100 | " | 0.100 | | 100 | 80-120 | | | |
| Xylene (o) | 0.0570 | 0.00100 | " | 0.0500 | | 114 | 80-120 | | | |
| Surrogate: <i>a,a,a</i> -Trifluorotoluene | 35.2 | | ug/l | 40.0 | | 88.0 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 32.5 | | " | 40.0 | | 81.2 | 80-120 | | | |

LCS Dup (EB60910-BSD1)

Prepared: 02/09/06 Analyzed: 02/14/06

| | | | | | | | | | | |
|---|--------|---------|------|--------|--|------|--------|------|----|-------|
| Benzene | 0.0568 | 0.00100 | mg/L | 0.0500 | | 114 | 80-120 | 22.0 | 20 | QR-02 |
| Toluene | 0.0584 | 0.00100 | " | 0.0500 | | 117 | 80-120 | 16.5 | 20 | |
| Ethylbenzene | 0.0507 | 0.00100 | " | 0.0500 | | 101 | 80-120 | 1.40 | 20 | |
| Xylene (p/m) | 0.0982 | 0.00100 | " | 0.100 | | 98.2 | 80-120 | 1.82 | 20 | |
| Xylene (o) | 0.0513 | 0.00100 | " | 0.0500 | | 103 | 80-120 | 10.1 | 20 | |
| Surrogate: <i>a,a,a</i> -Trifluorotoluene | 39.4 | | ug/l | 40.0 | | 98.5 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 32.5 | | " | 40.0 | | 81.2 | 80-120 | | | |

Calibration Check (EB60910-CCV1)

Prepared: 02/09/06 Analyzed: 02/13/06

| | | | | | | | | | | |
|---|------|--|------|------|--|------|--------|--|--|--|
| Benzene | 55.0 | | ug/l | 50.0 | | 110 | 80-120 | | | |
| Toluene | 57.5 | | " | 50.0 | | 115 | 80-120 | | | |
| Ethylbenzene | 52.8 | | " | 50.0 | | 106 | 80-120 | | | |
| Xylene (p/m) | 103 | | " | 100 | | 103 | 80-120 | | | |
| Xylene (o) | 56.6 | | " | 50.0 | | 113 | 80-120 | | | |
| Surrogate: <i>a,a,a</i> -Trifluorotoluene | 43.5 | | " | 40.0 | | 109 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 32.4 | | " | 40.0 | | 81.0 | 80-120 | | | |

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

Project: Hobbs Jct. F-29-1A
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
02/16/06 17:36

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 EB60910 - EPA 5030C (GC)

Matrix Spike (EB60910-MS1)

Source: 6B08024-01

Prepared: 02/09/06 Analyzed: 02/10/06

| | | | | | | | | | | |
|---|--------|---------|------|--------|----|------|--------|--|--|--|
| Benzene | 0.0426 | 0.00100 | mg/L | 0.0500 | ND | 85.2 | 80-120 | | | |
| Toluene | 0.0449 | 0.00100 | " | 0.0500 | ND | 89.8 | 80-120 | | | |
| Ethylbenzene | 0.0432 | 0.00100 | " | 0.0500 | ND | 86.4 | 80-120 | | | |
| Xylene (p/m) | 0.0841 | 0.00100 | " | 0.100 | ND | 84.1 | 80-120 | | | |
| Xylene (o) | 0.0416 | 0.00100 | " | 0.0500 | ND | 83.2 | 80-120 | | | |
| Surrogate: <i>a,a,a</i> -Trifluorotoluene | 38.7 | | ug/l | 40.0 | | 96.8 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 47.0 | | " | 40.0 | | 118 | 80-120 | | | |

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

Project: Hobbs Jct. F-29-1A
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
02/16/06 17:36

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 EB60302 - General Preparation (WetChem)

Blank (EB60302-BLK1) Prepared & Analyzed: 02/02/06

| | | | | | | | | | | |
|------------------------|----|------|------|--|--|--|--|--|--|--|
| Total Dissolved Solids | ND | 5.00 | mg/L | | | | | | | |
|------------------------|----|------|------|--|--|--|--|--|--|--|

Duplicate (EB60302-DUP1) Source: 6B01010-01 Prepared & Analyzed: 02/02/06

| | | | | | | | | | | |
|------------------------|-----|------|------|--|-----|--|--|-------|---|--|
| Total Dissolved Solids | 790 | 5.00 | mg/L | | 794 | | | 0.505 | 5 | |
|------------------------|-----|------|------|--|-----|--|--|-------|---|--|

Batch EB60614 - General Preparation (WetChem)

Blank (EB60614-BLK1) Prepared: 02/04/06 Analyzed: 02/06/06

| | | | | | | | | | | |
|----------|----|-------|------|--|--|--|--|--|--|--|
| Chloride | ND | 0.500 | mg/L | | | | | | | |
|----------|----|-------|------|--|--|--|--|--|--|--|

| | | | | | | | | | | |
|---------|----|-------|---|--|--|--|--|--|--|--|
| Sulfate | ND | 0.500 | " | | | | | | | |
|---------|----|-------|---|--|--|--|--|--|--|--|

LCS (EB60614-BS1) Prepared: 02/04/06 Analyzed: 02/06/06

| | | | | | | | | | | |
|---------|------|--|------|------|--|------|--------|--|--|--|
| Sulfate | 8.40 | | mg/L | 10.0 | | 84.0 | 80-120 | | | |
|---------|------|--|------|------|--|------|--------|--|--|--|

| | | | | | | | | | | |
|----------|------|--|---|------|--|------|--------|--|--|--|
| Chloride | 8.99 | | " | 10.0 | | 89.9 | 80-120 | | | |
|----------|------|--|---|------|--|------|--------|--|--|--|

Calibration Check (EB60614-CCV1) Prepared: 02/04/06 Analyzed: 02/06/06

| | | | | | | | | | | |
|----------|------|--|------|------|--|------|--------|--|--|--|
| Chloride | 8.93 | | mg/L | 10.0 | | 89.3 | 80-120 | | | |
|----------|------|--|------|------|--|------|--------|--|--|--|

| | | | | | | | | | | |
|---------|------|--|---|------|--|------|--------|--|--|--|
| Sulfate | 8.63 | | " | 10.0 | | 86.3 | 80-120 | | | |
|---------|------|--|---|------|--|------|--------|--|--|--|

Duplicate (EB60614-DUP1) Source: 6B01010-01 Prepared: 02/04/06 Analyzed: 02/06/06

| | | | | | | | | | | |
|----------|-----|------|------|--|-----|--|--|------|----|--|
| Chloride | 224 | 5.00 | mg/L | | 206 | | | 8.37 | 20 | |
|----------|-----|------|------|--|-----|--|--|------|----|--|

| | | | | | | | | | | |
|---------|------|------|---|--|------|--|--|------|----|--|
| Sulfate | 72.9 | 5.00 | " | | 66.5 | | | 9.18 | 20 | |
|---------|------|------|---|--|------|--|--|------|----|--|

Batch EB60901 - General Preparation (WetChem)

Blank (EB60901-BLK1) Prepared & Analyzed: 02/08/06

| | | | | | | | | | | |
|------------------|----|------|------|--|--|--|--|--|--|--|
| Total Alkalinity | ND | 2.00 | mg/L | | | | | | | |
|------------------|----|------|------|--|--|--|--|--|--|--|

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

Project: Hobbs Jct. F-29-1A
 Project Number: None Given
 Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
 02/16/06 17:36

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 EB60901 - General Preparation (WetChem) | | | | | | | | | | |
| LCS (EB60901-BS1) | | | | Prepared & Analyzed: 02/08/06 | | | | | | |
| Bicarbonate Alkalinity | 210 | 2.00 | mg/L | 200 | | 105 | 85-115 | | | |
| Duplicate (EB60901-DUP1) | | | | Source: 6B01010-01 | | Prepared & Analyzed: 02/08/06 | | | | |
| Total Alkalinity | 192 | 2.00 | mg/L | | 191 | | | 0.522 | 20 | |
| Reference (EB60901-SRM1) | | | | Prepared & Analyzed: 02/08/06 | | | | | | |
| Total Alkalinity | 96.0 | | mg/L | 100 | | 96.0 | 90-110 | | | |

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

Project: Hobbs Jct. F-29-1A
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
02/16/06 17:36

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 EB60903 - 6010B/No Digestion

Blank (EB60903-BLK1)

Prepared: 02/08/06 Analyzed: 02/09/06

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

Calibration Check (EB60903-CCV1)

Prepared: 02/08/06 Analyzed: 02/09/06

| | | | | | | | | | | |
|-----------|------|--|------|------|--|------|--------|--|--|--|
| Calcium | 2.06 | | mg/L | 2.00 | | 103 | 85-115 | | | |
| Magnesium | 2.05 | | " | 2.00 | | 102 | 85-115 | | | |
| Potassium | 1.92 | | " | 2.00 | | 96.0 | 85-115 | | | |
| Sodium | 1.90 | | " | 2.00 | | 95.0 | 85-115 | | | |

Duplicate (EB60903-DUP1)

Source: 6B01010-01

Prepared: 02/08/06 Analyzed: 02/09/06

| | | | | | | | | | | |
|-----------|------|--------|------|--|------|--|--|-------|----|--|
| Calcium | 62.1 | 0.0100 | mg/L | | 61.2 | | | 1.46 | 20 | |
| Magnesium | 43.5 | 0.0100 | " | | 44.8 | | | 2.94 | 20 | |
| Potassium | 10.3 | 0.500 | " | | 10.4 | | | 0.966 | 20 | |
| Sodium | 161 | 0.500 | " | | 157 | | | 2.52 | 20 | |

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

Project: Hobbs Jct. F-29-1A
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
02/16/06 17:36

Notes and Definitions

QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

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

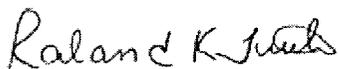
RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

2/16/2006

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

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

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

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

Client: Rice Op.
 Date/Time: 2/2/06 9:00
 Order #: 6B02006
 Initials: CR

Sample Receipt Checklist

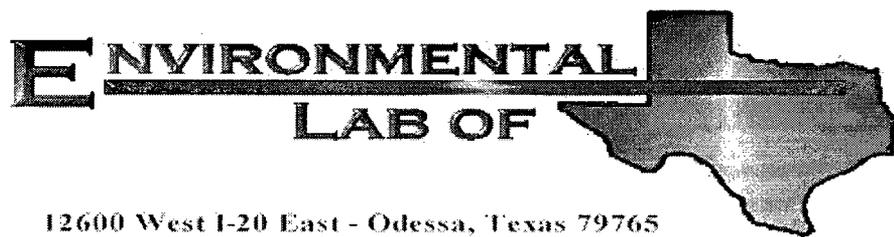
| | | | | |
|---|-----|----|----------------|---|
| Temperature of container/cooler? | Yes | No | 1.0 | C |
| Shipping container/cooler in good condition? | Yes | No | | |
| Custody Seals intact on shipping container/cooler? | Yes | No | Not present | |
| Custody Seals intact on sample bottles? | Yes | No | Not present | |
| Chain of custody present? | Yes | No | | |
| Sample Instructions complete on Chain of Custody? | Yes | No | | |
| Chain of Custody signed when relinquished and received? | Yes | No | | |
| Chain of custody agrees with sample label(s) | Yes | No | | |
| Container labels legible and intact? | Yes | No | | |
| Sample Matrix and properties same as on chain of custody? | Yes | No | | |
| Samples in proper container/bottle? | Yes | No | | |
| Samples properly preserved? | Yes | No | | |
| Sample bottles intact? | Yes | No | | |
| Preservations documented on Chain of Custody? | Yes | No | | |
| Containers documented on Chain of Custody? | Yes | No | | |
| Sufficient sample amount for indicated test? | Yes | No | | |
| All samples received within sufficient hold time? | Yes | No | | |
| VOC samples have zero headspace? | Yes | No | Not Applicable | |

Other observations:

Variance Documentation:

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

Corrective Action Taken:



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Kristin Farris-Pope

Rice Operating Co.

122 W. Taylor

Hobbs, NM 88240

Project: Hobbs Jct. F-29-1A

Project Number: None Given

Location: Lea County

Lab Order Number: 6E04010

Report Date: 05/09/06

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

Project: Hobbs Jct. F-29-1A
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
05/09/06 14:23

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|--------------------------|---------------|--------|----------------|----------------|
| Monitor Well #1- Deep | 6E04010-01 | Water | 05/02/06 10:40 | 05/04/06 10:50 |
| Monitor Well #2- Shallow | 6E04010-02 | Water | 05/02/06 09:05 | 05/04/06 10:50 |

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

Project: Hobbs Jct. F-29-1A
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
05/09/06 14:23

Organics by GC
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Monitor Well #1- Deep (6E04010-01) Water | | | | | | | | | |
| Benzene | ND | 0.00100 | mg/L | 1 | EE60404 | 05/04/06 | 05/04/06 | EPA 8021B | |
| Toluene | ND | 0.00100 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.00100 | " | " | " | " | " | " | |
| Xylene (p/m) | ND | 0.00100 | " | " | " | " | " | " | |
| Xylene (o) | ND | 0.00100 | " | " | " | " | " | " | |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | | 96.8 % | | 80-120 | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 83.5 % | | 80-120 | " | " | " | " | |
| Monitor Well #2- Shallow (6E04010-02) Water | | | | | | | | | |
| Benzene | ND | 0.00100 | mg/L | 1 | EE60404 | 05/04/06 | 05/04/06 | EPA 8021B | |
| Toluene | ND | 0.00100 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.00100 | " | " | " | " | " | " | |
| Xylene (p/m) | ND | 0.00100 | " | " | " | " | " | " | |
| Xylene (o) | ND | 0.00100 | " | " | " | " | " | " | |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | | 94.2 % | | 80-120 | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 86.5 % | | 80-120 | " | " | " | " | |

| | | |
|--|---|---|
| Rice Operating Co. 122 W. Taylor Hobbs NM, 88240 | Project: Hobbs Jct. F-29-1A Project Number: None Given Project Manager: Kristin Farris-Pope | Fax: (505) 397-1471 Reported: 05/09/06 14:23 |
|--|---|---|

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

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

Monitor Well #1- Deep (6E04010-01) Water

| | | | | | | | | | |
|------------------------|------|------|------|----|---------|----------|----------|------------|--|
| Total Alkalinity | 137 | 2.00 | mg/L | 1 | EE60814 | 05/09/06 | 05/09/06 | EPA 310.1M | |
| Chloride | 298 | 5.00 | " | 10 | EE60507 | 05/04/06 | 05/04/06 | EPA 300.0 | |
| Total Dissolved Solids | 996 | 5.00 | " | 1 | EE60816 | 05/05/06 | 05/08/06 | EPA 160.1 | |
| Sulfate | 62.9 | 5.00 | " | 10 | EE60507 | 05/04/06 | 05/04/06 | EPA 300.0 | |

Monitor Well #2- Shallow (6E04010-02) Water

| | | | | | | | | | |
|------------------------|------|------|------|----|---------|----------|----------|------------|--|
| Total Alkalinity | 251 | 2.00 | mg/L | 1 | EE60814 | 05/09/06 | 05/09/06 | EPA 310.1M | |
| Chloride | 160 | 5.00 | " | 10 | EE60507 | 05/04/06 | 05/04/06 | EPA 300.0 | |
| Total Dissolved Solids | 1040 | 5.00 | " | 1 | EE60816 | 05/05/06 | 05/08/06 | EPA 160.1 | |
| Sulfate | 153 | 5.00 | " | 10 | EE60507 | 05/04/06 | 05/04/06 | EPA 300.0 | |

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

Project: Hobbs Jct. F-29-1A
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
05/09/06 14:23

Total Metals by EPA / Standard Methods
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

Monitor Well #1- Deep (6E04010-01) Water

| | | | | | | | | | |
|-----------|------|--------|------|----|---------|----------|----------|-----------|--|
| Calcium | 173 | 0.500 | mg/L | 50 | EE60811 | 05/08/06 | 05/08/06 | EPA 200.7 | |
| Magnesium | 24.8 | 0.0100 | " | 10 | " | " | " | " | |
| Potassium | 2.43 | 0.500 | " | " | " | " | " | " | |
| Sodium | 47.1 | 0.100 | " | " | " | " | " | " | |

Monitor Well #2- Shallow (6E04010-02) Water

| | | | | | | | | | |
|-----------|------|--------|------|----|---------|----------|----------|-----------|--|
| Calcium | 72.1 | 0.100 | mg/L | 10 | EE60811 | 05/08/06 | 05/08/06 | EPA 200.7 | |
| Magnesium | 20.5 | 0.0100 | " | " | " | " | " | " | |
| Potassium | 2.78 | 0.500 | " | " | " | " | " | " | |
| Sodium | 138 | 0.500 | " | 50 | " | " | " | " | |

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

Project: Hobbs Jct. F-29-1A
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
05/09/06 14:23

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 EE60404 - EPA 5030C (GC)

Blank (EE60404-BLK1)

Prepared & Analyzed: 05/04/06

| | | | | | | | | | | |
|-----------------------------------|------|---------|------|------|--|------|--------|--|--|--|
| Benzene | ND | 0.00100 | mg/L | | | | | | | |
| Toluene | ND | 0.00100 | " | | | | | | | |
| Ethylbenzene | ND | 0.00100 | " | | | | | | | |
| Xylene (p/m) | ND | 0.00100 | " | | | | | | | |
| Xylene (o) | ND | 0.00100 | " | | | | | | | |
| Surrogate: a,a,a-Trifluorotoluene | 36.7 | | ug/l | 40.0 | | 91.8 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 33.6 | | " | 40.0 | | 84.0 | 80-120 | | | |

LCS (EE60404-BS1)

Prepared & Analyzed: 05/04/06

| | | | | | | | | | | |
|-----------------------------------|--------|---------|------|--------|--|------|--------|--|--|--|
| Benzene | 0.0536 | 0.00100 | mg/L | 0.0500 | | 107 | 80-120 | | | |
| Toluene | 0.0531 | 0.00100 | " | 0.0500 | | 106 | 80-120 | | | |
| Ethylbenzene | 0.0509 | 0.00100 | " | 0.0500 | | 102 | 80-120 | | | |
| Xylene (p/m) | 0.117 | 0.00100 | " | 0.100 | | 117 | 80-120 | | | |
| Xylene (o) | 0.0573 | 0.00100 | " | 0.0500 | | 115 | 80-120 | | | |
| Surrogate: a,a,a-Trifluorotoluene | 39.3 | | ug/l | 40.0 | | 98.2 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 39.5 | | " | 40.0 | | 98.8 | 80-120 | | | |

Calibration Check (EE60404-CCV1)

Prepared: 05/04/06 Analyzed: 05/05/06

| | | | | | | | | | | |
|-----------------------------------|------|--|------|------|--|------|--------|--|--|--|
| Benzene | 50.2 | | ug/l | 50.0 | | 100 | 80-120 | | | |
| Toluene | 49.3 | | " | 50.0 | | 98.6 | 80-120 | | | |
| Ethylbenzene | 53.0 | | " | 50.0 | | 106 | 80-120 | | | |
| Xylene (p/m) | 105 | | " | 100 | | 105 | 80-120 | | | |
| Xylene (o) | 52.4 | | " | 50.0 | | 105 | 80-120 | | | |
| Surrogate: a,a,a-Trifluorotoluene | 35.3 | | " | 40.0 | | 88.2 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 38.2 | | " | 40.0 | | 95.5 | 80-120 | | | |

Matrix Spike (EE60404-MS1)

Source: 6E03003-01

Prepared & Analyzed: 05/04/06

| | | | | | | | | | | |
|-----------------------------------|--------|---------|------|--------|----------|------|--------|--|--|--|
| Benzene | 0.0626 | 0.00100 | mg/L | 0.0500 | 0.00562 | 114 | 80-120 | | | |
| Toluene | 0.0534 | 0.00100 | " | 0.0500 | ND | 107 | 80-120 | | | |
| Ethylbenzene | 0.0534 | 0.00100 | " | 0.0500 | 0.000825 | 105 | 80-120 | | | |
| Xylene (p/m) | 0.120 | 0.00100 | " | 0.100 | ND | 120 | 80-120 | | | |
| Xylene (o) | 0.0577 | 0.00100 | " | 0.0500 | ND | 115 | 80-120 | | | |
| Surrogate: a,a,a-Trifluorotoluene | 36.6 | | ug/l | 40.0 | | 91.5 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 38.6 | | " | 40.0 | | 96.5 | 80-120 | | | |

Environmental Lab of Texas

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

Page 5 of 10

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

Project: Hobbs Jct. F-29-1A
 Project Number: None Given
 Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
 05/09/06 14:23

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 EE60404 - EPA 5030C (GC)

Matrix Spike Dup (EE60404-MSD1)

Source: 6E03003-01

Prepared & Analyzed: 05/04/06

| | | | | | | | | | | |
|---|--------|---------|------|--------|----------|-----|--------|------|----|--|
| Benzene | 0.0617 | 0.00100 | mg/L | 0.0500 | 0.00562 | 112 | 80-120 | 1.77 | 20 | |
| Toluene | 0.0526 | 0.00100 | " | 0.0500 | ND | 105 | 80-120 | 1.89 | 20 | |
| Ethylbenzene | 0.0532 | 0.00100 | " | 0.0500 | 0.000825 | 105 | 80-120 | 0.00 | 20 | |
| Xylene (p/m) | 0.117 | 0.00100 | " | 0.100 | ND | 117 | 80-120 | 2.53 | 20 | |
| Xylene (o) | 0.0565 | 0.00100 | " | 0.0500 | ND | 113 | 80-120 | 1.75 | 20 | |
| Surrogate: <i>a,a,a</i> -Trifluorotoluene | 40.9 | | ug/l | 40.0 | | 102 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 40.0 | | " | 40.0 | | 100 | 80-120 | | | |

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

Project: Hobbs Jct. F-29-1A
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
05/09/06 14:23

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 EE60507 - General Preparation (WetChem)

| Blank (EE60507-BLK1) | | | | | | | | | | |
|--|------|-------|------|------|------|------|--------|-------|----|--|
| Prepared & Analyzed: 05/04/06 | | | | | | | | | | |
| Chloride | ND | 0.500 | mg/L | | | | | | | |
| Sulfate | ND | 0.500 | " | | | | | | | |
| LCS (EE60507-BS1) | | | | | | | | | | |
| Prepared & Analyzed: 05/04/06 | | | | | | | | | | |
| Chloride | 9.99 | 0.500 | mg/L | 10.0 | | 99.9 | 80-120 | | | |
| Sulfate | 8.53 | 0.500 | " | 10.0 | | 85.3 | 80-120 | | | |
| Calibration Check (EE60507-CCV1) | | | | | | | | | | |
| Prepared & Analyzed: 05/04/06 | | | | | | | | | | |
| Chloride | 10.4 | | mg/L | 10.0 | | 104 | 80-120 | | | |
| Sulfate | 9.15 | | " | 10.0 | | 91.5 | 80-120 | | | |
| Duplicate (EE60507-DUP1) | | | | | | | | | | |
| Source: 6D28002-02 Prepared & Analyzed: 05/04/06 | | | | | | | | | | |
| Sulfate | 52.7 | 0.500 | mg/L | | 53.3 | | | 1.13 | 20 | |
| Chloride | 62.0 | 0.500 | " | | 62.1 | | | 0.161 | 20 | |

Batch EE60814 - General Preparation (WetChem)

| Blank (EE60814-BLK1) | | | | | | | | | | |
|--|------|------|------|-----|-----|------|--------|-------|----|--|
| Prepared & Analyzed: 05/09/06 | | | | | | | | | | |
| Total Alkalinity | ND | 2.00 | mg/L | | | | | | | |
| LCS (EE60814-BS1) | | | | | | | | | | |
| Prepared & Analyzed: 05/09/06 | | | | | | | | | | |
| Bicarbonate Alkalinity | 214 | 2.00 | mg/L | 200 | | 107 | 85-115 | | | |
| Duplicate (EE60814-DUP1) | | | | | | | | | | |
| Source: 6E04009-01 Prepared & Analyzed: 05/09/06 | | | | | | | | | | |
| Total Alkalinity | 209 | 2.00 | mg/L | | 208 | | | 0.480 | 20 | |
| Reference (EE60814-SRMI) | | | | | | | | | | |
| Prepared & Analyzed: 05/09/06 | | | | | | | | | | |
| Total Alkalinity | 96.0 | | mg/L | 100 | | 96.0 | 90-110 | | | |

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

Project: Hobbs Jct. F-29-1A
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
05/09/06 14:23

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 EE60816 - Filtration Preparation

Blank (EE60816-BLK1)

Prepared: 05/05/06 Analyzed: 05/08/06

Total Dissolved Solids ND 5.00 mg/L

Duplicate (EE60816-DUP1)

Source: 6E04009-01

Prepared: 05/05/06 Analyzed: 05/08/06

Total Dissolved Solids 940 5.00 mg/L 904 3.90 5

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

Project: Hobbs Jct. F-29-1A
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
05/09/06 14:23

Total Metals by EPA / Standard Methods - Quality Control
Environmental Lab of Texas

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

Batch EE60811 - 6010B/No Digestion

Blank (EE60811-BLK1)

Prepared & Analyzed: 05/08/06

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

Calibration Check (EE60811-CCV1)

Prepared & Analyzed: 05/08/06

| | | | | | | | | | | |
|-----------|------|--|------|------|--|------|--------|--|--|--|
| Calcium | 2.20 | | mg/L | 2.00 | | 110 | 85-115 | | | |
| Magnesium | 2.28 | | " | 2.00 | | 114 | 85-115 | | | |
| Potassium | 1.74 | | " | 2.00 | | 87.0 | 85-115 | | | |
| Sodium | 1.84 | | " | 2.00 | | 92.0 | 85-115 | | | |

Duplicate (EE60811-DUP1)

Source: 6E04009-01

Prepared & Analyzed: 05/08/06

| | | | | | | | | | | |
|-----------|------|--------|------|--|------|--|--|-------|----|--|
| Calcium | 130 | 0.500 | mg/L | | 128 | | | 1.55 | 20 | |
| Magnesium | 22.5 | 0.0100 | " | | 23.2 | | | 3.06 | 20 | |
| Potassium | 4.11 | 0.0500 | " | | 4.32 | | | 4.98 | 20 | |
| Sodium | 87.6 | 0.100 | " | | 88.0 | | | 0.456 | 20 | |

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

Project: Hobbs Jct. F-29-1A
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
05/09/06 14:23

Notes and Definitions

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

Report Approved By:

Raland K Tuttle

Date:

5/9/2006

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

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

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

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

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

Client: Waco Op.
 Date/Time: 5/4/04 10:50
 Order #: 16E09010
 Initials: CK

Sample Receipt Checklist

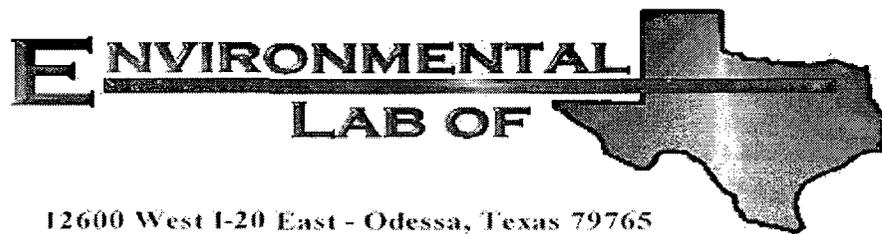
| | Yes | No | O.S | C |
|---|-------------------------------------|----|----------------|---|
| Temperature of container/cooler? | | | | |
| Shipping container/cooler in good condition? | <input checked="" type="checkbox"/> | No | | |
| Custody Seals intact on shipping container/cooler? | <input checked=""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

Other observations:

Variance Documentation:

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

Corrective Action Taken:



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Kristin Farris-Pope

Rice Operating Co.

122 W. Taylor

Hobbs, NM 88240

Project: Hobbs Jct. F-29-1A

Project Number: None Given

Location: Lea County

Lab Order Number: 6H18011

Report Date: 08/28/06

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

Project: Hobbs Jct. F-29-1A
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|--------------------------|---------------|--------|----------------|------------------|
| Monitor Well #1- Deep | 6H18011-01 | Water | 08/15/06 08:40 | 08-18-2006 10:20 |
| Monitor Well #2- Shallow | 6H18011-02 | Water | 08/15/06 10:05 | 08-18-2006 10:20 |

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

Project: Hobbs Jct. F-29-1A
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Organics by GC
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|--------|-----------------|--------|----------|---------|----------|----------|-----------|-------|
| Monitor Well #1- Deep (6H18011-01) Water | | | | | | | | | |
| Benzene | ND | 0.00100 | mg/L | 1 | EH62121 | 08/21/06 | 08/21/06 | EPA 8021B | |
| Toluene | ND | 0.00100 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.00100 | " | " | " | " | " | " | |
| Xylene (p/m) | ND | 0.00100 | " | " | " | " | " | " | |
| Xylene (o) | ND | 0.00100 | " | " | " | " | " | " | |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | | 95.5 % | 80-120 | | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 88.2 % | 80-120 | | " | " | " | " | |
| Monitor Well #2- Shallow (6H18011-02) Water | | | | | | | | | |
| Benzene | ND | 0.00100 | mg/L | 1 | EH62121 | 08/21/06 | 08/21/06 | EPA 8021B | |
| Toluene | ND | 0.00100 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.00100 | " | " | " | " | " | " | |
| Xylene (p/m) | ND | 0.00100 | " | " | " | " | " | " | |
| Xylene (o) | ND | 0.00100 | " | " | " | " | " | " | |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | | 102 % | 80-120 | | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 109 % | 80-120 | | " | " | " | " | |

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

Project: Hobbs Jct. F-29-1A
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 |
|--|--------|-----------------|-------|----------|---------|----------|----------|------------|-------|
| Monitor Well #1- Deep (6H18011-01) Water | | | | | | | | | |
| Total Alkalinity | 158 | 2.00 | mg/L | 1 | EH62128 | 08/21/06 | 08/21/06 | EPA 310.1M | |
| Chloride | 302 | 5.00 | " | 10 | EH62101 | 08/21/06 | 08/21/06 | EPA 300.0 | |
| Total Dissolved Solids | 1060 | 10.0 | " | 1 | EH62303 | 08/18/06 | 08/22/06 | EPA 160.1 | |
| Sulfate | 80.7 | 5.00 | " | 10 | EH62101 | 08/21/06 | 08/21/06 | EPA 300.0 | |
| Monitor Well #2- Shallow (6H18011-02) Water | | | | | | | | | |
| Total Alkalinity | 234 | 2.00 | mg/L | 1 | EH62128 | 08/21/06 | 08/21/06 | EPA 310.1M | |
| Chloride | 81.9 | 5.00 | " | 10 | EH62101 | 08/21/06 | 08/21/06 | EPA 300.0 | |
| Total Dissolved Solids | 578 | 10.0 | " | 1 | EH62303 | 08/18/06 | 08/22/06 | EPA 160.1 | |
| Sulfate | 104 | 5.00 | " | 10 | EH62101 | 08/21/06 | 08/21/06 | EPA 300.0 | |

| | | |
|--|---|---------------------|
| Rice Operating Co. 122 W. Taylor Hobbs NM, 88240 | Project: Hobbs Jct. F-29-1A Project Number: None Given Project Manager: Kristin Farris-Pope | Fax: (505) 397-1471 |
|--|---|---------------------|

Total Metals by EPA / Standard Methods
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

Monitor Well #1- Deep (6H18011-01) Water

| | | | | | | | | | |
|-----------|------|-------|------|----|---------|----------|----------|-----------|--|
| Calcium | 154 | 4.05 | mg/L | 50 | EH62313 | 08/23/06 | 08/23/06 | EPA 200.7 | |
| Magnesium | 24.5 | 0.360 | " | 10 | " | " | " | " | |
| Potassium | 2.88 | 0.600 | " | " | " | " | " | " | |
| Sodium | 70.5 | 0.430 | " | " | " | " | " | " | |

Monitor Well #2- Shallow (6H18011-02) Water

| | | | | | | | | | |
|-----------|------|-------|------|----|---------|----------|----------|-----------|--|
| Calcium | 49.0 | 0.810 | mg/L | 10 | EH62313 | 08/23/06 | 08/23/06 | EPA 200.7 | |
| Magnesium | 13.3 | 0.360 | " | " | " | " | " | " | |
| Potassium | 1.76 | 0.600 | " | " | " | " | " | " | |
| Sodium | 145 | 2.15 | " | 50 | " | " | " | " | |

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

Project: Hobbs Jct. F-29-1A
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 EH62121 - EPA 5030C (GC)

Blank (EH62121-BLK1)

Prepared: 08/21/06 Analyzed: 08/22/06

| | | | | | | | | | | |
|-----------------------------------|------|---------|------|------|--|------|--------|--|--|--|
| Benzene | ND | 0.00100 | mg/L | | | | | | | |
| Toluene | ND | 0.00100 | " | | | | | | | |
| Ethylbenzene | ND | 0.00100 | " | | | | | | | |
| Xylene (p/m) | ND | 0.00100 | " | | | | | | | |
| Xylene (o) | ND | 0.00100 | " | | | | | | | |
| Surrogate: a,a,a-Trifluorotoluene | 40.3 | | ug/l | 40.0 | | 101 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 36.7 | | " | 40.0 | | 91.8 | 80-120 | | | |

LCS (EH62121-BS1)

Prepared & Analyzed: 08/21/06

| | | | | | | | | | | |
|-----------------------------------|--------|---------|------|--------|--|------|--------|--|--|--|
| Benzene | 0.0460 | 0.00100 | mg/L | 0.0500 | | 92.0 | 80-120 | | | |
| Toluene | 0.0503 | 0.00100 | " | 0.0500 | | 101 | 80-120 | | | |
| Ethylbenzene | 0.0463 | 0.00100 | " | 0.0500 | | 92.6 | 80-120 | | | |
| Xylene (p/m) | 0.113 | 0.00100 | " | 0.100 | | 113 | 80-120 | | | |
| Xylene (o) | 0.0565 | 0.00100 | " | 0.0500 | | 113 | 80-120 | | | |
| Surrogate: a,a,a-Trifluorotoluene | 39.7 | | ug/l | 40.0 | | 99.2 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 45.0 | | " | 40.0 | | 112 | 80-120 | | | |

Calibration Check (EH62121-CCV1)

Prepared: 08/21/06 Analyzed: 08/22/06

| | | | | | | | | | | |
|-----------------------------------|------|--|------|------|--|------|--------|--|--|--|
| Benzene | 48.7 | | ug/l | 50.0 | | 97.4 | 80-120 | | | |
| Toluene | 52.3 | | " | 50.0 | | 105 | 80-120 | | | |
| Ethylbenzene | 57.3 | | " | 50.0 | | 115 | 80-120 | | | |
| Xylene (p/m) | 114 | | " | 100 | | 114 | 80-120 | | | |
| Xylene (o) | 57.6 | | " | 50.0 | | 115 | 80-120 | | | |
| Surrogate: a,a,a-Trifluorotoluene | 44.7 | | " | 40.0 | | 112 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 38.3 | | " | 40.0 | | 95.8 | 80-120 | | | |

Matrix Spike (EH62121-MS1)

Source: 6H18007-01

Prepared: 08/21/06 Analyzed: 08/22/06

| | | | | | | | | | | |
|-----------------------------------|--------|---------|------|--------|----|------|--------|--|--|--|
| Benzene | 0.0464 | 0.00100 | mg/L | 0.0500 | ND | 92.8 | 80-120 | | | |
| Toluene | 0.0550 | 0.00100 | " | 0.0500 | ND | 110 | 80-120 | | | |
| Ethylbenzene | 0.0554 | 0.00100 | " | 0.0500 | ND | 111 | 80-120 | | | |
| Xylene (p/m) | 0.117 | 0.00100 | " | 0.100 | ND | 117 | 80-120 | | | |
| Xylene (o) | 0.0575 | 0.00100 | " | 0.0500 | ND | 115 | 80-120 | | | |
| Surrogate: a,a,a-Trifluorotoluene | 41.8 | | ug/l | 40.0 | | 104 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 46.5 | | " | 40.0 | | 116 | 80-120 | | | |

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

Project: Hobbs Jct. F-29-1A
 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 EH62121 - EPA 5030C (GC)

Matrix Spike Dup (EH62121-MSD1)

Source: 6H18007-01

Prepared: 08/21/06 Analyzed: 08/22/06

| | | | | | | | | | | |
|-----------------------------------|--------|---------|------|--------|----|------|--------|-------|----|--|
| Benzene | 0.0473 | 0.00100 | mg/L | 0.0500 | ND | 94.6 | 80-120 | 1.92 | 20 | |
| Toluene | 0.0535 | 0.00100 | " | 0.0500 | ND | 107 | 80-120 | 2.76 | 20 | |
| Ethylbenzene | 0.0549 | 0.00100 | " | 0.0500 | ND | 110 | 80-120 | 0.905 | 20 | |
| Xylene (p/m) | 0.120 | 0.00100 | " | 0.100 | ND | 120 | 80-120 | 2.53 | 20 | |
| Xylene (o) | 0.0583 | 0.00100 | " | 0.0500 | ND | 117 | 80-120 | 1.72 | 20 | |
| Surrogate: a,a,a-Trifluorotoluene | 42.9 | | ug/l | 40.0 | | 107 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 46.4 | | " | 40.0 | | 116 | 80-120 | | | |

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

Project: Hobbs Jct. F-29-1A
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 EH62101 - General Preparation (WetChem)

Blank (EH62101-BLK1) Prepared & Analyzed: 08/21/06

| | | | | | | | | | | |
|----------|----|-------|------|--|--|--|--|--|--|--|
| Sulfate | ND | 0.500 | mg/L | | | | | | | |
| Chloride | ND | 0.500 | " | | | | | | | |

LCS (EH62101-BS1) Prepared & Analyzed: 08/21/06

| | | | | | | | | | | |
|----------|------|-------|------|------|--|------|--------|--|--|--|
| Sulfate | 8.51 | 0.500 | mg/L | 10.0 | | 85.1 | 80-120 | | | |
| Chloride | 10.0 | 0.500 | " | 10.0 | | 100 | 80-120 | | | |

Calibration Check (EH62101-CCV1) Prepared & Analyzed: 08/21/06

| | | | | | | | | | | |
|----------|------|--|------|------|--|------|--------|--|--|--|
| Sulfate | 8.34 | | mg/L | 10.0 | | 83.4 | 80-120 | | | |
| Chloride | 10.2 | | " | 10.0 | | 102 | 80-120 | | | |

Duplicate (EH62101-DUP1) Source: 6H18007-01 Prepared & Analyzed: 08/21/06

| | | | | | | | | | | |
|----------|------|------|------|--|------|--|--|------|----|--|
| Sulfate | 76.3 | 5.00 | mg/L | | 65.9 | | | 14.6 | 20 | |
| Chloride | 105 | 5.00 | " | | 98.9 | | | 5.98 | 20 | |

Duplicate (EH62101-DUP2) Source: 6H18013-04 Prepared & Analyzed: 08/21/06

| | | | | | | | | | | |
|----------|-----|------|------|--|-----|--|--|------|----|--|
| Sulfate | 331 | 5.00 | mg/L | | 336 | | | 1.50 | 20 | |
| Chloride | 138 | 5.00 | " | | 136 | | | 1.46 | 20 | |

Matrix Spike (EH62101-MS1) Source: 6H18007-01 Prepared & Analyzed: 08/21/06

| | | | | | | | | | | |
|----------|-----|------|------|-----|------|-----|--------|--|--|--|
| Sulfate | 172 | 5.00 | mg/L | 100 | 65.9 | 106 | 80-120 | | | |
| Chloride | 210 | 5.00 | " | 100 | 98.9 | 111 | 80-120 | | | |

Matrix Spike (EH62101-MS2) Source: 6H18013-04 Prepared & Analyzed: 08/21/06

| | | | | | | | | | | |
|----------|-----|------|------|-----|-----|------|--------|--|--|--|
| Sulfate | 422 | 5.00 | mg/L | 100 | 336 | 86.0 | 80-120 | | | |
| Chloride | 224 | 5.00 | " | 100 | 136 | 88.0 | 80-120 | | | |

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

Project: Hobbs Jct. F-29-1A
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 EH62128 - General Preparation (WetChem)

| | | | | | | | | | | |
|-----------------------------|----|------|------|-------------------------------|--|--|--|--|--|--|
| Blank (EH62128-BLK1) | | | | Prepared & Analyzed: 08/21/06 | | | | | | |
| Total Alkalinity | ND | 2.00 | mg/L | | | | | | | |

| | | | | | | | | | | |
|--------------------------|-----|--|------|-------------------------------|--|------|--------|--|--|--|
| LCS (EH62128-BS1) | | | | Prepared & Analyzed: 08/21/06 | | | | | | |
| Total Alkalinity | 178 | | mg/L | 200 | | 89.0 | 85-115 | | | |

| | | | | | | | | | | |
|---------------------------------|-----|------|------|--------------------|-----|-------------------------------|--|------|----|--|
| Duplicate (EH62128-DUP1) | | | | Source: 6H18007-01 | | Prepared & Analyzed: 08/21/06 | | | | |
| Total Alkalinity | 186 | 2.00 | mg/L | | 186 | | | 0.00 | 20 | |

| | | | | | | | | | | |
|---------------------------------|-----|--|------|-------------------------------|--|------|--------|--|--|--|
| Reference (EH62128-SRM1) | | | | Prepared & Analyzed: 08/21/06 | | | | | | |
| Total Alkalinity | 248 | | mg/L | 250 | | 99.2 | 90-110 | | | |

Batch EH62303 - Filtration Preparation

| | | | | | | | | | | |
|-----------------------------|----|------|------|---------------------------------------|--|--|--|--|--|--|
| Blank (EH62303-BLK1) | | | | Prepared: 08/18/06 Analyzed: 08/22/06 | | | | | | |
| Total Dissolved Solids | ND | 10.0 | mg/L | | | | | | | |

| | | | | | | | | | | |
|---------------------------------|-----|------|------|--------------------|-----|---------------------------------------|--|------|---|----|
| Duplicate (EH62303-DUP1) | | | | Source: 6H18007-01 | | Prepared: 08/18/06 Analyzed: 08/22/06 | | | | |
| Total Dissolved Solids | 556 | 10.0 | mg/L | | 526 | | | 5.55 | 5 | R5 |

| | | | | | | | | | | |
|---------------------------------|-----|------|------|--------------------|-----|-------------------------------|--|------|---|--|
| Duplicate (EH62303-DUP2) | | | | Source: 6H18013-04 | | Prepared & Analyzed: 08/18/06 | | | | |
| Total Dissolved Solids | 808 | 10.0 | mg/L | | 930 | | | 14.0 | 5 | |

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

Project: Hobbs Jct. F-29-1A
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 EH62313 - 6010B/No Digestion

Blank (EH62313-BLK1)

Prepared & Analyzed: 08/23/06

| | | | | | | | | | | |
|-----------|----|--------|------|--|--|--|--|--|--|--|
| Calcium | ND | 0.0810 | mg/L | | | | | | | |
| Magnesium | ND | 0.0360 | " | | | | | | | |
| Potassium | ND | 0.0600 | " | | | | | | | |
| Sodium | ND | 0.0430 | " | | | | | | | |

Calibration Check (EH62313-CCV1)

Prepared & Analyzed: 08/23/06

| | | | | | | | | | | |
|-----------|------|--|------|------|--|------|--------|--|--|--|
| Calcium | 1.96 | | mg/L | 2.00 | | 98.0 | 85-115 | | | |
| Magnesium | 2.01 | | " | 2.00 | | 100 | 85-115 | | | |
| Potassium | 1.76 | | " | 2.00 | | 88.0 | 85-115 | | | |
| Sodium | 1.96 | | " | 2.00 | | 98.0 | 85-115 | | | |

Duplicate (EH62313-DUP1)

Source: 6H15005-04

Prepared & Analyzed: 08/23/06

| | | | | | | | | | | |
|-----------|------|-------|------|--|------|--|--|-------|----|--|
| Calcium | 44.4 | 0.810 | mg/L | | 45.9 | | | 3.32 | 20 | |
| Magnesium | 48.1 | 0.360 | " | | 49.3 | | | 2.46 | 20 | |
| Potassium | 42.9 | 0.600 | " | | 42.6 | | | 0.702 | 20 | |
| Sodium | 44.4 | 0.430 | " | | 43.5 | | | 2.05 | 20 | |

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

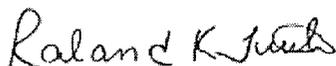
Project: Hobbs Jct. F-29-1A
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Notes and Definitions

R5 RPD is outside of historic values
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:

8/28/2006

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

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

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

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

Client: Rice Dr.
 Date/ Time: 8/18/06 10:20
 Lab ID #: 6H18011
 Initials: OK

Sample Receipt Checklist

| | | | | Client Initials | |
|-----|--|-----|----|--------------------------|----|
| #1 | Temperature of container/ cooler? | Yes | No | 4.0 | °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 | VOC samples have zero headspace? | Yes | No | Not Applicable | |

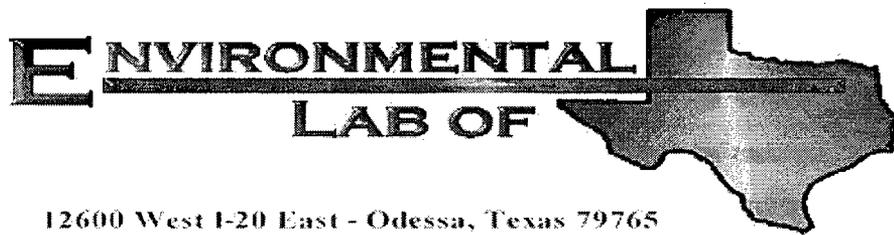
Variance Documentation

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



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

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

Project: Hobbs Jct. F-29-1A
Project Number: None Given
Location: T18S R38E Sec 29 F- Lea County, NM

Lab Order Number: 6K08007

Report Date: 11/15/06

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

Project: Hobbs Jct. F-29-1A
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|--------------------------|---------------|--------|----------------|------------------|
| Monitor Well #1- Deep | 6K08007-01 | Water | 11/03/06 09:35 | 11-08-2006 14:50 |
| Monitor Well #2- Shallow | 6K08007-02 | Water | 11/03/06 10:15 | 11-08-2006 14:50 |

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

Project: Hobbs Jct. F-29-1A
 Project Number: None Given
 Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Organics by GC
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|--------|-----------------|--------|----------|---------|----------|----------|-----------|-------|
| Monitor Well #1- Deep (6K08007-01) Water | | | | | | | | | |
| Benzene | ND | 0.00100 | mg/L | 1 | EK60808 | 11/10/06 | 11/10/06 | EPA 8021B | |
| Toluene | ND | 0.00100 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.00100 | " | " | " | " | " | " | |
| Xylene (p/m) | ND | 0.00100 | " | " | " | " | " | " | |
| Xylene (o) | ND | 0.00100 | " | " | " | " | " | " | |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | | 89.0 % | 80-120 | " | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 82.0 % | 80-120 | " | " | " | " | " | |

| | | | | | | | | | |
|--|----|---------|--------|---|---------|----------|----------|-----------|--|
| Monitor Well #2- Shallow (6K08007-02) Water | | | | | | | | | |
| Benzene | ND | 0.00100 | mg/L | 1 | EK60808 | 11/10/06 | 11/10/06 | EPA 8021B | |
| Toluene | ND | 0.00100 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.00100 | " | " | " | " | " | " | |
| Xylene (p/m) | ND | 0.00100 | " | " | " | " | " | " | |
| Xylene (o) | ND | 0.00100 | " | " | " | " | " | " | |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | | 88.0 % | 80-120 | " | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 93.0 % | 80-120 | " | " | " | " | " | |

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

Project: Hobbs Jct. F-29-1A
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 |
|--|--------|-----------------|-------|----------|---------|----------|----------|------------|-------|
| Monitor Well #1- Deep (6K08007-01) Water | | | | | | | | | |
| Total Alkalinity | 152 | 2.00 | mg/L | 1 | EK61307 | 11/14/06 | 11/14/06 | EPA 310.1M | |
| Chloride | 285 | 5.00 | " | 10 | EK60911 | 11/09/06 | 11/09/06 | EPA 300.0 | |
| Total Dissolved Solids | 866 | 10.0 | " | 1 | EK61306 | 11/09/06 | 11/10/06 | EPA 160.1 | |
| Sulfate | 86.1 | 5.00 | " | 10 | EK60911 | 11/09/06 | 11/09/06 | EPA 300.0 | |
| Monitor Well #2- Shallow (6K08007-02) Water | | | | | | | | | |
| Total Alkalinity | 228 | 2.00 | mg/L | 1 | EK61307 | 11/14/06 | 11/14/06 | EPA 310.1M | |
| Chloride | 79.6 | 5.00 | " | 10 | EK60911 | 11/09/06 | 11/09/06 | EPA 300.0 | |
| Total Dissolved Solids | 592 | 10.0 | " | 1 | EK61306 | 11/09/06 | 11/10/06 | EPA 160.1 | |
| Sulfate | 111 | 5.00 | " | 10 | EK60911 | 11/09/06 | 11/09/06 | EPA 300.0 | |

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

Project: Hobbs Jct. F-29-1A
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Total Metals by EPA / Standard Methods
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

Monitor Well #1- Deep (6K08007-01) Water

| | | | | | | | | | |
|-----------|------|-------|------|----|---------|----------|----------|-----------|--|
| Calcium | 166 | 4.05 | mg/L | 50 | EK60919 | 11/09/06 | 11/09/06 | EPA 6010B | |
| Magnesium | 23.5 | 0.360 | " | 10 | " | " | " | " | |
| Potassium | 3.30 | 0.600 | " | " | " | " | " | " | |
| Sodium | 77.6 | 0.430 | " | " | " | " | " | " | |

Monitor Well #2- Shallow (6K08007-02) Water

| | | | | | | | | | |
|-----------|------|-------|------|----|---------|----------|----------|-----------|--|
| Calcium | 53.8 | 0.810 | mg/L | 10 | EK60919 | 11/09/06 | 11/09/06 | EPA 6010B | |
| Magnesium | 13.7 | 0.360 | " | " | " | " | " | " | |
| Potassium | 1.88 | 0.600 | " | " | " | " | " | " | |
| Sodium | 124 | 2.15 | " | 50 | " | " | " | " | |

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

Project: Hobbs Jct. F-29-1A
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 EK60808 - EPA 5030C (GC)

Blank (EK60808-BLK1)

Prepared: 11/08/06 Analyzed: 11/10/06

| | | | | | | | | | | |
|-----------------------------------|------|---------|------|------|--|------|--------|--|--|--|
| Benzene | ND | 0.00100 | mg/L | | | | | | | |
| Toluene | ND | 0.00100 | " | | | | | | | |
| Ethylbenzene | ND | 0.00100 | " | | | | | | | |
| Xylene (p/m) | ND | 0.00100 | " | | | | | | | |
| Xylene (o) | ND | 0.00100 | " | | | | | | | |
| Surrogate: a,a,a-Trifluorotoluene | 40.3 | | ug/l | 40.0 | | 101 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 33.5 | | " | 40.0 | | 83.8 | 80-120 | | | |

LCS (EK60808-BS1)

Prepared: 11/08/06 Analyzed: 11/10/06

| | | | | | | | | | | |
|-----------------------------------|--------|---------|------|--------|--|------|--------|--|--|--|
| Benzene | 0.0525 | 0.00100 | mg/L | 0.0500 | | 105 | 80-120 | | | |
| Toluene | 0.0458 | 0.00100 | " | 0.0500 | | 91.6 | 80-120 | | | |
| Ethylbenzene | 0.0457 | 0.00100 | " | 0.0500 | | 91.4 | 80-120 | | | |
| Xylene (p/m) | 0.0919 | 0.00100 | " | 0.100 | | 91.9 | 80-120 | | | |
| Xylene (o) | 0.0448 | 0.00100 | " | 0.0500 | | 89.6 | 80-120 | | | |
| Surrogate: a,a,a-Trifluorotoluene | 41.2 | | ug/l | 40.0 | | 103 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 41.5 | | " | 40.0 | | 104 | 80-120 | | | |

Calibration Check (EK60808-CCV1)

Prepared: 11/08/06 Analyzed: 11/11/06

| | | | | | | | | | | |
|-----------------------------------|------|--|------|------|--|------|--------|--|--|--|
| Benzene | 50.9 | | ug/l | 50.0 | | 102 | 80-120 | | | |
| Toluene | 45.0 | | " | 50.0 | | 90.0 | 80-120 | | | |
| Ethylbenzene | 46.8 | | " | 50.0 | | 93.6 | 80-120 | | | |
| Xylene (p/m) | 90.9 | | " | 100 | | 90.9 | 80-120 | | | |
| Xylene (o) | 45.4 | | " | 50.0 | | 90.8 | 80-120 | | | |
| Surrogate: a,a,a-Trifluorotoluene | 39.9 | | " | 40.0 | | 99.8 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 39.0 | | " | 40.0 | | 97.5 | 80-120 | | | |

Matrix Spike (EK60808-MS1)

Source: 6K06005-01

Prepared: 11/08/06 Analyzed: 11/10/06

| | | | | | | | | | | |
|-----------------------------------|--------|---------|------|--------|----|------|--------|--|--|--|
| Benzene | 0.0503 | 0.00100 | mg/L | 0.0500 | ND | 101 | 80-120 | | | |
| Toluene | 0.0458 | 0.00100 | " | 0.0500 | ND | 91.6 | 80-120 | | | |
| Ethylbenzene | 0.0473 | 0.00100 | " | 0.0500 | ND | 94.6 | 80-120 | | | |
| Xylene (p/m) | 0.0939 | 0.00100 | " | 0.100 | ND | 93.9 | 80-120 | | | |
| Xylene (o) | 0.0465 | 0.00100 | " | 0.0500 | ND | 93.0 | 80-120 | | | |
| Surrogate: a,a,a-Trifluorotoluene | 38.9 | | ug/l | 40.0 | | 97.2 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 43.4 | | " | 40.0 | | 108 | 80-120 | | | |

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

Project: Hobbs Jct. F-29-1A
 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 EK60808 - EPA 5030C (GC)

Matrix Spike Dup (EK60808-MSD1)

Source: 6K06005-01

Prepared: 11/08/06 Analyzed: 11/10/06

| | | | | | | | | | | |
|---|--------|---------|------|--------|----|------|--------|------|----|--|
| Benzene | 0.0518 | 0.00100 | mg/L | 0.0500 | ND | 104 | 80-120 | 2.93 | 20 | |
| Toluene | 0.0465 | 0.00100 | " | 0.0500 | ND | 93.0 | 80-120 | 1.52 | 20 | |
| Ethylbenzene | 0.0478 | 0.00100 | " | 0.0500 | ND | 95.6 | 80-120 | 1.05 | 20 | |
| Xylene (p/m) | 0.0983 | 0.00100 | " | 0.100 | ND | 98.3 | 80-120 | 4.58 | 20 | |
| Xylene (o) | 0.0494 | 0.00100 | " | 0.0500 | ND | 98.8 | 80-120 | 6.05 | 20 | |
| Surrogate: <i>a,a,a</i> -Trifluorotoluene | 41.8 | | ug/l | 40.0 | | 104 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 43.7 | | " | 40.0 | | 109 | 80-120 | | | |

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

Project: Hobbs Jct. F-29-1A
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 EK60911 - General Preparation (WetChem)

Blank (EK60911-BLK1) Prepared & Analyzed: 11/09/06

| | | | | | | | | | | |
|----------|----|-------|------|--|--|--|--|--|--|--|
| Chloride | ND | 0.500 | mg/L | | | | | | | |
| Sulfate | ND | 0.500 | " | | | | | | | |

LCS (EK60911-BS1) Prepared & Analyzed: 11/09/06

| | | | | | | | | | | |
|----------|------|-------|------|------|--|-----|--------|--|--|--|
| Chloride | 10.9 | 0.500 | mg/L | 10.0 | | 109 | 80-120 | | | |
| Sulfate | 10.1 | 0.500 | " | 10.0 | | 101 | 80-120 | | | |

Calibration Check (EK60911-CCV1) Prepared & Analyzed: 11/09/06

| | | | | | | | | | | |
|----------|------|--|------|------|--|-----|--------|--|--|--|
| Chloride | 10.8 | | mg/L | 10.0 | | 108 | 80-120 | | | |
| Sulfate | 10.1 | | " | 10.0 | | 101 | 80-120 | | | |

Duplicate (EK60911-DUP1) Source: 6K08007-01 Prepared & Analyzed: 11/09/06

| | | | | | | | | | | |
|----------|------|------|------|--|------|--|--|-------|----|--|
| Sulfate | 86.2 | 5.00 | mg/L | | 86.1 | | | 0.116 | 20 | |
| Chloride | 283 | 5.00 | " | | 285 | | | 0.704 | 20 | |

Duplicate (EK60911-DUP2) Source: 6K09002-01 Prepared & Analyzed: 11/09/06

| | | | | | | | | | | |
|----------|------|------|------|--|------|--|--|------|----|--|
| Sulfate | 1650 | 20.0 | mg/L | | 1590 | | | 3.70 | 20 | |
| Chloride | 248 | 20.0 | " | | 239 | | | 3.70 | 20 | |

Matrix Spike (EK60911-MS1) Source: 6K08007-01 Prepared & Analyzed: 11/09/06

| | | | | | | | | | | |
|----------|-----|------|------|-----|------|------|--------|--|--|--|
| Sulfate | 184 | 5.00 | mg/L | 100 | 86.1 | 97.9 | 80-120 | | | |
| Chloride | 404 | 5.00 | " | 100 | 285 | 119 | 80-120 | | | |

Matrix Spike (EK60911-MS2) Source: 6K09002-01 Prepared & Analyzed: 11/09/06

| | | | | | | | | | | |
|----------|------|------|------|-----|------|------|--------|--|--|--|
| Chloride | 655 | 20.0 | mg/L | 400 | 239 | 104 | 80-120 | | | |
| Sulfate | 1960 | 20.0 | " | 400 | 1590 | 92.5 | 80-120 | | | |

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

Project: Hobbs Jct. F-29-1A
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 EK61306 - Filtration Preparation

| | | | | | | | | | | |
|---------------------------------|-------|--|------|--|-------|--|--|------|---|------|
| Blank (EK61306-BLK1) | | Prepared: 11/09/06 Analyzed: 11/10/06 | | | | | | | | |
| Total Dissolved Solids | ND | 10.0 | mg/L | | | | | | | |
| Duplicate (EK61306-DUP1) | | Source: 6K07002-01 Prepared: 11/09/06 Analyzed: 11/10/06 | | | | | | | | |
| Total Dissolved Solids | 10400 | 10.0 | mg/L | | 9240 | | | 11.8 | 5 | S-08 |
| Duplicate (EK61306-DUP2) | | Source: 6K08010-02 Prepared: 11/09/06 Analyzed: 11/10/06 | | | | | | | | |
| Total Dissolved Solids | 24600 | 10.0 | mg/L | | 23600 | | | 4.15 | 5 | |

Batch EK61307 - General Preparation (WetChem)

| | | | | | | | | | | |
|---------------------------------|-----|--|------|-----|-----|------|--------|------|----|--|
| Blank (EK61307-BLK1) | | Prepared & Analyzed: 11/14/06 | | | | | | | | |
| Total Alkalinity | ND | 2.00 | mg/L | | | | | | | |
| LCS (EK61307-BS1) | | Prepared & Analyzed: 11/14/06 | | | | | | | | |
| Bicarbonate Alkalinity | 192 | 2.00 | mg/L | 200 | | 96.0 | 85-115 | | | |
| Duplicate (EK61307-DUP1) | | Source: 6K08007-01 Prepared & Analyzed: 11/14/06 | | | | | | | | |
| Total Alkalinity | 150 | 2.00 | mg/L | | 152 | | | 1.32 | 20 | |
| Reference (EK61307-SRM1) | | Prepared & Analyzed: 11/14/06 | | | | | | | | |
| Total Alkalinity | 248 | | mg/L | 250 | | 99.2 | 90-110 | | | |

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

Project: Hobbs Jct. F-29-1A
 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 EK60919 - 6010B/No Digestion

Blank (EK60919-BLK1)

Prepared & Analyzed: 11/09/06

| | | | | | | | | | | |
|-----------|----|--------|------|--|--|--|--|--|--|--|
| Calcium | ND | 0.0810 | mg/L | | | | | | | |
| Magnesium | ND | 0.0360 | " | | | | | | | |
| Potassium | ND | 0.0600 | " | | | | | | | |
| Sodium | ND | 0.0430 | " | | | | | | | |

Calibration Check (EK60919-CCV1)

Prepared & Analyzed: 11/09/06

| | | | | | | | | | | |
|-----------|------|--|------|------|--|------|--------|--|--|--|
| Calcium | 2.28 | | mg/L | 2.00 | | 114 | 85-115 | | | |
| Magnesium | 2.14 | | " | 2.00 | | 107 | 85-115 | | | |
| Potassium | 1.87 | | " | 2.00 | | 93.5 | 85-115 | | | |
| Sodium | 2.04 | | " | 2.00 | | 102 | 85-115 | | | |

Duplicate (EK60919-DUP1)

Source: 6K08007-01

Prepared & Analyzed: 11/09/06

| | | | | | | | | | | |
|-----------|------|-------|------|--|------|--|--|-------|----|--|
| Calcium | 164 | 4.05 | mg/L | | 166 | | | 1.21 | 20 | |
| Magnesium | 23.5 | 0.360 | " | | 23.5 | | | 0.00 | 20 | |
| Potassium | 3.34 | 0.600 | " | | 3.30 | | | 1.20 | 20 | |
| Sodium | 77.5 | 0.430 | " | | 77.6 | | | 0.129 | 20 | |

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

Project: Hobbs Jct. F-29-1A
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Notes and Definitions

S-08 Value outside Laboratory historical or method prescribed QC limits.
DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference
LCS Laboratory Control Spike
MS Matrix Spike
Dup Duplicate

Report Approved By:

Raland K Tuttle

Date:

11/15/2006

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

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

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

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

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

Client: Rice Op.
 Date/ Time: 11/8/04 2:50
 Lab ID #: 6K0X0017
 Initials: ck

Sample Receipt Checklist

| | | | | Client Initials | |
|-----|--|-----|----|--------------------------|----|
| #1 | Temperature of container/ cooler? | Yes | No | 05 | °C |
| #2 | Shipping container in good condition? | Yes | No | | |
| #3 | Custody Seals intact on shipping container/ cooler? | Yes | No | Not Present | |
| #4 | Custody Seals intact on sample bottles/ container? | Yes | No | Not Present | |
| #5 | Chain of Custody present? | Yes | No | | |
| #6 | Sample instructions complete of Chain of Custody? | Yes | No | | |
| #7 | Chain of Custody signed when relinquished/ received? | Yes | No | | |
| #8 | Chain of Custody agrees with sample label(s)? | Yes | No | ID written on Cont./ Lid | |
| #9 | Container label(s) legible and intact? | Yes | No | Not Applicable | |
| #10 | Sample matrix/ properties agree with Chain of Custody? | Yes | No | | |
| #11 | Containers supplied by ELOT? | Yes | No | | |
| #12 | Samples in proper container/ bottle? | Yes | No | See Below | |
| #13 | Samples properly preserved? | Yes | No | See Below | |
| #14 | Sample bottles intact? | Yes | No | | |
| #15 | Preservations documented on Chain of Custody? | Yes | No | | |
| #16 | Containers documented on Chain of Custody? | Yes | No | | |
| #17 | Sufficient sample amount for indicated test(s)? | Yes | No | See Below | |
| #18 | All samples received within sufficient hold time? | Yes | No | See Below | |
| #19 | VOC samples have zero headspace? | Yes | No | Not Applicable | |

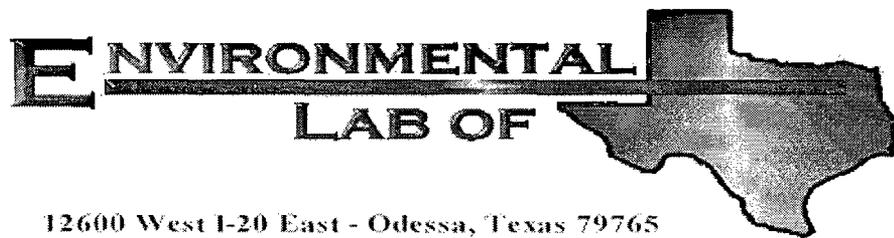
Variance Documentation

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

Regarding: _____

Corrective Action Taken: _____

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



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

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

Project: Hobbs Jct. F-29-1A

Project Number: None Given

Location: Lea County

Lab Order Number: 6B02006

Report Date: 02/16/06

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

Project: Hobbs Jct. F-29-1A
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
02/16/06 17:36

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-------------------------|---------------|--------|----------------|----------------|
| Monitor Well #1 Deep | 6B02006-01 | Water | 01/31/06 09:50 | 02/02/06 09:00 |
| Monitor Well #2 Shallow | 6B02006-02 | Water | 01/31/06 09:15 | 02/02/06 09:00 |

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

Project: Hobbs Jct. F-29-1A
 Project Number: None Given
 Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
 02/16/06 17:36

Organics by GC
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|--------|-----------------|--------|----------|---------|----------|----------|-----------|-------|
| Monitor Well #1 Deep (6B02006-01) Water | | | | | | | | | |
| Benzene | ND | 0.00100 | mg/L | 1 | EB60910 | 02/09/06 | 02/10/06 | EPA 8021B | |
| Toluene | ND | 0.00100 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.00100 | " | " | " | " | " | " | |
| Xylene (p/m) | ND | 0.00100 | " | " | " | " | " | " | |
| Xylene (o) | ND | 0.00100 | " | " | " | " | " | " | |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | | 87.5 % | 80-120 | | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 80.8 % | 80-120 | | " | " | " | " | |
| Monitor Well #2 Shallow (6B02006-02) Water | | | | | | | | | |
| Benzene | ND | 0.00100 | mg/L | 1 | EB60910 | 02/09/06 | 02/10/06 | EPA 8021B | |
| Toluene | ND | 0.00100 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.00100 | " | " | " | " | " | " | |
| Xylene (p/m) | ND | 0.00100 | " | " | " | " | " | " | |
| Xylene (o) | ND | 0.00100 | " | " | " | " | " | " | |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | | 92.8 % | 80-120 | | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 90.5 % | 80-120 | | " | " | " | " | |

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

Project: Hobbs Jct. F-29-1A
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
02/16/06 17:36

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

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|--------|-----------------|-------|----------|---------|----------|----------|------------|-------|
| Monitor Well #1 Deep (6B02006-01) Water | | | | | | | | | |
| Total Alkalinity | 140 | 2.00 | mg/L | 1 | EB60901 | 02/08/06 | 02/08/06 | EPA 310.1M | |
| Chloride | 270 | 5.00 | " | 10 | EB60614 | 02/04/06 | 02/06/06 | EPA 300.0 | |
| Total Dissolved Solids | 1000 | 5.00 | " | 1 | EB60302 | 02/02/06 | 02/02/06 | EPA 160.1 | |
| Sulfate | 58.1 | 5.00 | " | 10 | EB60614 | 02/04/06 | 02/06/06 | EPA 300.0 | |
| Monitor Well #2 Shallow (6B02006-02) Water | | | | | | | | | |
| Total Alkalinity | 238 | 2.00 | mg/L | 1 | EB60901 | 02/08/06 | 02/08/06 | EPA 310.1M | |
| Chloride | 144 | 5.00 | " | 10 | EB60614 | 02/04/06 | 02/06/06 | EPA 300.0 | |
| Total Dissolved Solids | 924 | 5.00 | " | 1 | EB60302 | 02/02/06 | 02/02/06 | EPA 160.1 | |
| Sulfate | 156 | 5.00 | " | 10 | EB60614 | 02/04/06 | 02/06/06 | EPA 300.0 | |

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

Project: Hobbs Jct. F-29-1A
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
02/16/06 17:36

Total Metals by EPA / Standard Methods
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

Monitor Well #1 Deep (6B02006-01) Water

| | | | | | | | | | |
|-----------|------|--------|------|----|---------|----------|----------|-----------|--|
| Calcium | 179 | 0.500 | mg/L | 50 | EB60903 | 02/08/06 | 02/09/06 | EPA 200.7 | |
| Magnesium | 21.4 | 0.0100 | " | 10 | " | " | " | " | |
| Potassium | 5.89 | 0.0500 | " | 1 | " | " | " | " | |
| Sodium | 68.4 | 0.500 | " | 50 | " | " | " | " | |

Monitor Well #2 Shallow (6B02006-02) Water

| | | | | | | | | | |
|-----------|------|--------|------|----|---------|----------|----------|-----------|--|
| Calcium | 63.2 | 0.500 | mg/L | 50 | EB60903 | 02/08/06 | 02/09/06 | EPA 200.7 | |
| Magnesium | 16.8 | 0.0100 | " | 10 | " | " | " | " | |
| Potassium | 2.47 | 0.0500 | " | 1 | " | " | " | " | |
| Sodium | 254 | 0.500 | " | 50 | " | " | " | " | |

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

Project: Hobbs Jct. F-29-1A
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
02/16/06 17:36

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 EB60910 - EPA 5030C (GC)

Blank (EB60910-BLK1) Prepared: 02/09/06 Analyzed: 02/10/06

| | | | | | | | | | | |
|--|------|---------|------|------|--|------|--------|--|--|--|
| Benzene | ND | 0.00100 | mg/L | | | | | | | |
| Toluene | ND | 0.00100 | " | | | | | | | |
| Ethylbenzene | ND | 0.00100 | " | | | | | | | |
| Xylene (p/m) | ND | 0.00100 | " | | | | | | | |
| Xylene (o) | ND | 0.00100 | " | | | | | | | |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | 34.5 | | ug/l | 40.0 | | 86.2 | 80-120 | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 32.1 | | " | 40.0 | | 80.2 | 80-120 | | | |

LCS (EB60910-BS1) Prepared: 02/09/06 Analyzed: 02/10/06

| | | | | | | | | | | |
|--|--------|---------|------|--------|--|------|--------|--|--|--|
| Benzene | 0.0457 | 0.00100 | mg/L | 0.0500 | | 91.4 | 80-120 | | | |
| Toluene | 0.0496 | 0.00100 | " | 0.0500 | | 99.2 | 80-120 | | | |
| Ethylbenzene | 0.0498 | 0.00100 | " | 0.0500 | | 99.6 | 80-120 | | | |
| Xylene (p/m) | 0.100 | 0.00100 | " | 0.100 | | 100 | 80-120 | | | |
| Xylene (o) | 0.0570 | 0.00100 | " | 0.0500 | | 114 | 80-120 | | | |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | 35.2 | | ug/l | 40.0 | | 88.0 | 80-120 | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 32.5 | | " | 40.0 | | 81.2 | 80-120 | | | |

LCS Dup (EB60910-BSD1) Prepared: 02/09/06 Analyzed: 02/14/06

| | | | | | | | | | | |
|--|--------|---------|------|--------|--|------|--------|------|----|-------|
| Benzene | 0.0568 | 0.00100 | mg/L | 0.0500 | | 114 | 80-120 | 22.0 | 20 | QR-02 |
| Toluene | 0.0584 | 0.00100 | " | 0.0500 | | 117 | 80-120 | 16.5 | 20 | |
| Ethylbenzene | 0.0507 | 0.00100 | " | 0.0500 | | 101 | 80-120 | 1.40 | 20 | |
| Xylene (p/m) | 0.0982 | 0.00100 | " | 0.100 | | 98.2 | 80-120 | 1.82 | 20 | |
| Xylene (o) | 0.0513 | 0.00100 | " | 0.0500 | | 103 | 80-120 | 10.1 | 20 | |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | 39.4 | | ug/l | 40.0 | | 98.5 | 80-120 | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 32.5 | | " | 40.0 | | 81.2 | 80-120 | | | |

Calibration Check (EB60910-CCV1) Prepared: 02/09/06 Analyzed: 02/13/06

| | | | | | | | | | | |
|--|------|--|------|------|--|------|--------|--|--|--|
| Benzene | 55.0 | | ug/l | 50.0 | | 110 | 80-120 | | | |
| Toluene | 57.5 | | " | 50.0 | | 115 | 80-120 | | | |
| Ethylbenzene | 52.8 | | " | 50.0 | | 106 | 80-120 | | | |
| Xylene (p/m) | 103 | | " | 100 | | 103 | 80-120 | | | |
| Xylene (o) | 56.6 | | " | 50.0 | | 113 | 80-120 | | | |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | 43.5 | | " | 40.0 | | 109 | 80-120 | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 32.4 | | " | 40.0 | | 81.0 | 80-120 | | | |

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

Project: Hobbs Jct. F-29-1A
 Project Number: None Given
 Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
 02/16/06 17:36

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 EB60910 - EPA 5030C (GC)

Matrix Spike (EB60910-MS1)

Source: 6B08024-01

Prepared: 02/09/06

Analyzed: 02/10/06

| | | | | | | | | | | |
|---|--------|---------|------|--------|----|------|--------|--|--|--|
| Benzene | 0.0426 | 0.00100 | mg/L | 0.0500 | ND | 85.2 | 80-120 | | | |
| Toluene | 0.0449 | 0.00100 | " | 0.0500 | ND | 89.8 | 80-120 | | | |
| Ethylbenzene | 0.0432 | 0.00100 | " | 0.0500 | ND | 86.4 | 80-120 | | | |
| Xylene (p/m) | 0.0841 | 0.00100 | " | 0.100 | ND | 84.1 | 80-120 | | | |
| Xylene (o) | 0.0416 | 0.00100 | " | 0.0500 | ND | 83.2 | 80-120 | | | |
| Surrogate: <i>a,a</i> -Trifluorotoluene | 38.7 | | ug/l | 40.0 | | 96.8 | 80-120 | | | |
| Surrogate: <i>p</i> -Bromofluorobenzene | 47.0 | | " | 40.0 | | 118 | 80-120 | | | |

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

Project: Hobbs Jct. F-29-1A
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471
Reported:
02/16/06 17:36

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 EB60302 - General Preparation (WetChem)

| | | | | | | | | | | |
|-------------------------------|----|------|------|--|--|--|--|--|--|--|
| Blank (EB60302-BLK1) | | | | | | | | | | |
| Prepared & Analyzed: 02/02/06 | | | | | | | | | | |
| Total Dissolved Solids | ND | 5.00 | mg/L | | | | | | | |

| | | | | | | | | | | |
|--|-----|------|------|--|-----|--|--|-------|---|--|
| Duplicate (EB60302-DUP1) | | | | | | | | | | |
| Source: 6B01010-01 Prepared & Analyzed: 02/02/06 | | | | | | | | | | |
| Total Dissolved Solids | 790 | 5.00 | mg/L | | 794 | | | 0.505 | 5 | |

Batch EB60614 - General Preparation (WetChem)

| | | | | | | | | | | |
|---------------------------------------|----|-------|------|--|--|--|--|--|--|--|
| Blank (EB60614-BLK1) | | | | | | | | | | |
| Prepared: 02/04/06 Analyzed: 02/06/06 | | | | | | | | | | |
| Chloride | ND | 0.500 | mg/L | | | | | | | |
| Sulfate | ND | 0.500 | " | | | | | | | |

| | | | | | | | | | | |
|---------------------------------------|------|--|------|------|--|------|--------|--|--|--|
| LCS (EB60614-BS1) | | | | | | | | | | |
| Prepared: 02/04/06 Analyzed: 02/06/06 | | | | | | | | | | |
| Sulfate | 8.40 | | mg/L | 10.0 | | 84.0 | 80-120 | | | |
| Chloride | 8.99 | | " | 10.0 | | 89.9 | 80-120 | | | |

| | | | | | | | | | | |
|---|------|--|------|------|--|------|--------|--|--|--|
| Calibration Check (EB60614-CCV1) | | | | | | | | | | |
| Prepared: 02/04/06 Analyzed: 02/06/06 | | | | | | | | | | |
| Chloride | 8.93 | | mg/L | 10.0 | | 89.3 | 80-120 | | | |
| Sulfate | 8.63 | | " | 10.0 | | 86.3 | 80-120 | | | |

| | | | | | | | | | | |
|--|------|------|------|--|------|--|--|------|----|--|
| Duplicate (EB60614-DUP1) | | | | | | | | | | |
| Source: 6B01010-01 Prepared: 02/04/06 Analyzed: 02/06/06 | | | | | | | | | | |
| Chloride | 224 | 5.00 | mg/L | | 206 | | | 8.37 | 20 | |
| Sulfate | 72.9 | 5.00 | " | | 66.5 | | | 9.18 | 20 | |

Batch EB60901 - General Preparation (WetChem)

| | | | | | | | | | | |
|-------------------------------|----|------|------|--|--|--|--|--|--|--|
| Blank (EB60901-BLK1) | | | | | | | | | | |
| Prepared & Analyzed: 02/08/06 | | | | | | | | | | |
| Total Alkalinity | ND | 2.00 | mg/L | | | | | | | |

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

Project: Hobbs Jct. F-29-1A
 Project Number: None Given
 Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
 02/16/06 17:36

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 EB60901 - General Preparation (WetChem)

LCS (EB60901-BS1)

Prepared & Analyzed: 02/08/06

| | | | | | | | | | | |
|------------------------|-----|------|------|-----|--|-----|--------|--|--|--|
| Bicarbonate Alkalinity | 210 | 2.00 | mg/L | 200 | | 105 | 85-115 | | | |
|------------------------|-----|------|------|-----|--|-----|--------|--|--|--|

Duplicate (EB60901-DUP1)

Source: 6B01010-01

Prepared & Analyzed: 02/08/06

| | | | | | | | | | | |
|------------------|-----|------|------|--|-----|--|--|-------|----|--|
| Total Alkalinity | 192 | 2.00 | mg/L | | 191 | | | 0.522 | 20 | |
|------------------|-----|------|------|--|-----|--|--|-------|----|--|

Reference (EB60901-SRM1)

Prepared & Analyzed: 02/08/06

| | | | | | | | | | | |
|------------------|------|--|------|-----|--|------|--------|--|--|--|
| Total Alkalinity | 96.0 | | mg/L | 100 | | 96.0 | 90-110 | | | |
|------------------|------|--|------|-----|--|------|--------|--|--|--|

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

Project: Hobbs Jct. F-29-1A
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
02/16/06 17:36

Total Metals by EPA / Standard Methods - Quality Control
Environmental Lab of Texas

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

Batch EB60903 - 6010B/No Digestion

Blank (EB60903-BLK1)

Prepared: 02/08/06 Analyzed: 02/09/06

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

Calibration Check (EB60903-CCV1)

Prepared: 02/08/06 Analyzed: 02/09/06

| | | | | | | | | | | |
|-----------|------|--|------|------|--|------|--------|--|--|--|
| Calcium | 2.06 | | mg/L | 2.00 | | 103 | 85-115 | | | |
| Magnesium | 2.05 | | " | 2.00 | | 102 | 85-115 | | | |
| Potassium | 1.92 | | " | 2.00 | | 96.0 | 85-115 | | | |
| Sodium | 1.90 | | " | 2.00 | | 95.0 | 85-115 | | | |

Duplicate (EB60903-DUP1)

Source: 6B01010-01

Prepared: 02/08/06 Analyzed: 02/09/06

| | | | | | | | | | | |
|-----------|------|--------|------|--|------|--|--|-------|----|--|
| Calcium | 62.1 | 0.0100 | mg/L | | 61.2 | | | 1.46 | 20 | |
| Magnesium | 43.5 | 0.0100 | " | | 44.8 | | | 2.94 | 20 | |
| Potassium | 10.3 | 0.500 | " | | 10.4 | | | 0.966 | 20 | |
| Sodium | 161 | 0.500 | " | | 157 | | | 2.52 | 20 | |

Environmental Lab of Texas

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

Page 9 of 10

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

Project: Hobbs Jct. F-29-1A
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
02/16/06 17:36

Notes and Definitions

QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

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

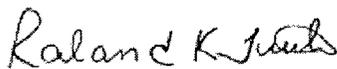
RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date: 2/16/2006

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

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

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

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

Client: Rice Op.

Date/Time: 2/2/06 9:00

Order #: 6B02006

Initials: CR

Sample Receipt Checklist

| | | | | |
|---|-----|----|----------------|---|
| Temperature of container/cooler? | Yes | No | 1.0 | C |
| Shipping container/cooler in good condition? | Yes | No | | |
| Custody Seals intact on shipping container/cooler? | Yes | No | Not present | |
| Custody Seals intact on sample bottles? | Yes | No | Not present | |
| Chain of custody present? | Yes | No | | |
| Sample Instructions complete on Chain of Custody? | Yes | No | | |
| Chain of Custody signed when relinquished and received? | Yes | No | | |
| Chain of custody agrees with sample label(s) | Yes | No | | |
| Container labels legible and intact? | Yes | No | | |
| Sample Matrix and properties same as on chain of custody? | Yes | No | | |
| Samples in proper container/bottle? | Yes | No | | |
| Samples properly preserved? | Yes | No | | |
| Sample bottles intact? | Yes | No | | |
| Preservations documented on Chain of Custody? | Yes | No | | |
| Containers documented on Chain of Custody? | Yes | No | | |
| Sufficient sample amount for indicated test? | Yes | No | | |
| All samples received within sufficient hold time? | Yes | No | | |
| VOC samples have zero headspace? | Yes | No | Not Applicable | |

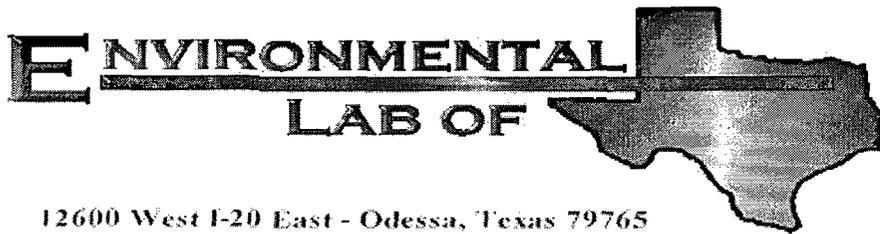
Other observations:

Variance Documentation:

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

Regarding: _____

Corrective Action Taken:



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Kristin Farris-Pope

Rice Operating Co.

122 W. Taylor

Hobbs, NM 88240

Project: Hobbs Jct. F-29-1A

Project Number: None Given

Location: Lea County

Lab Order Number: 6E04010

Report Date: 05/09/06

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

Project: Hobbs Jct. F-29-1A
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
05/09/06 14:23

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|--------------------------|---------------|--------|----------------|----------------|
| Monitor Well #1- Deep | 6E04010-01 | Water | 05/02/06 10:40 | 05/04/06 10:50 |
| Monitor Well #2- Shallow | 6E04010-02 | Water | 05/02/06 09:05 | 05/04/06 10:50 |

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

Project: Hobbs Jct. F-29-1A
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
05/09/06 14:23

Organics by GC
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|--------|-----------------|--------|----------|---------|----------|----------|-----------|-------|
| Monitor Well #1- Deep (6E04010-01) Water | | | | | | | | | |
| Benzene | ND | 0.00100 | mg/L | 1 | EE60404 | 05/04/06 | 05/04/06 | EPA 8021B | |
| Toluene | ND | 0.00100 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.00100 | " | " | " | " | " | " | |
| Xylene (p/m) | ND | 0.00100 | " | " | " | " | " | " | |
| Xylene (o) | ND | 0.00100 | " | " | " | " | " | " | |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | | 96.8 % | 80-120 | " | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 83.5 % | 80-120 | " | " | " | " | " | |

| | | | | | | | | | |
|--|----|---------|--------|---|---------|----------|----------|-----------|--|
| Monitor Well #2- Shallow (6E04010-02) Water | | | | | | | | | |
| Benzene | ND | 0.00100 | mg/L | 1 | EE60404 | 05/04/06 | 05/04/06 | EPA 8021B | |
| Toluene | ND | 0.00100 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.00100 | " | " | " | " | " | " | |
| Xylene (p/m) | ND | 0.00100 | " | " | " | " | " | " | |
| Xylene (o) | ND | 0.00100 | " | " | " | " | " | " | |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | | 94.2 % | 80-120 | " | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 86.5 % | 80-120 | " | " | " | " | " | |

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

Project: Hobbs Jct. F-29-1A
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
05/09/06 14:23

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

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

Monitor Well #1- Deep (6E04010-01) Water

| | | | | | | | | | |
|------------------------|------|------|------|----|---------|----------|----------|------------|--|
| Total Alkalinity | 137 | 2.00 | mg/L | 1 | EE60814 | 05/09/06 | 05/09/06 | EPA 310.1M | |
| Chloride | 298 | 5.00 | " | 10 | EE60507 | 05/04/06 | 05/04/06 | EPA 300.0 | |
| Total Dissolved Solids | 996 | 5.00 | " | 1 | EE60816 | 05/05/06 | 05/08/06 | EPA 160.1 | |
| Sulfate | 62.9 | 5.00 | " | 10 | EE60507 | 05/04/06 | 05/04/06 | EPA 300.0 | |

Monitor Well #2- Shallow (6E04010-02) Water

| | | | | | | | | | |
|------------------------|------|------|------|----|---------|----------|----------|------------|--|
| Total Alkalinity | 251 | 2.00 | mg/L | 1 | EE60814 | 05/09/06 | 05/09/06 | EPA 310.1M | |
| Chloride | 160 | 5.00 | " | 10 | EE60507 | 05/04/06 | 05/04/06 | EPA 300.0 | |
| Total Dissolved Solids | 1040 | 5.00 | " | 1 | EE60816 | 05/05/06 | 05/08/06 | EPA 160.1 | |
| Sulfate | 153 | 5.00 | " | 10 | EE60507 | 05/04/06 | 05/04/06 | EPA 300.0 | |

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

Project: Hobbs Jct. F-29-1A
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
05/09/06 14:23

Total Metals by EPA / Standard Methods
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

Monitor Well #1- Deep (6E04010-01) Water

| | | | | | | | | | |
|-----------|------|--------|------|----|---------|----------|----------|-----------|--|
| Calcium | 173 | 0.500 | mg/L | 50 | EE60811 | 05/08/06 | 05/08/06 | EPA 200.7 | |
| Magnesium | 24.8 | 0.0100 | " | 10 | " | " | " | " | |
| Potassium | 2.43 | 0.500 | " | " | " | " | " | " | |
| Sodium | 47.1 | 0.100 | " | " | " | " | " | " | |

Monitor Well #2- Shallow (6E04010-02) Water

| | | | | | | | | | |
|-----------|------|--------|------|----|---------|----------|----------|-----------|--|
| Calcium | 72.1 | 0.100 | mg/L | 10 | EE60811 | 05/08/06 | 05/08/06 | EPA 200.7 | |
| Magnesium | 20.5 | 0.0100 | " | " | " | " | " | " | |
| Potassium | 2.78 | 0.500 | " | " | " | " | " | " | |
| Sodium | 138 | 0.500 | " | 50 | " | " | " | " | |

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

Project: Hobbs Jct. F-29-1A
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
05/09/06 14:23

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 EE60404 - EPA 5030C (GC)

Blank (EE60404-BLK1)

Prepared & Analyzed: 05/04/06

| | | | | | | | | | | |
|-----------------------------------|------|---------|------|------|--|------|--------|--|--|--|
| Benzene | ND | 0.00100 | mg/L | | | | | | | |
| Toluene | ND | 0.00100 | " | | | | | | | |
| Ethylbenzene | ND | 0.00100 | " | | | | | | | |
| Xylene (p/m) | ND | 0.00100 | " | | | | | | | |
| Xylene (o) | ND | 0.00100 | " | | | | | | | |
| Surrogate: a,a,a-Trifluorotoluene | 36.7 | | ug/l | 40.0 | | 91.8 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 33.6 | | " | 40.0 | | 84.0 | 80-120 | | | |

LCS (EE60404-BS1)

Prepared & Analyzed: 05/04/06

| | | | | | | | | | | |
|-----------------------------------|--------|---------|------|--------|--|------|--------|--|--|--|
| Benzene | 0.0536 | 0.00100 | mg/L | 0.0500 | | 107 | 80-120 | | | |
| Toluene | 0.0531 | 0.00100 | " | 0.0500 | | 106 | 80-120 | | | |
| Ethylbenzene | 0.0509 | 0.00100 | " | 0.0500 | | 102 | 80-120 | | | |
| Xylene (p/m) | 0.117 | 0.00100 | " | 0.100 | | 117 | 80-120 | | | |
| Xylene (o) | 0.0573 | 0.00100 | " | 0.0500 | | 115 | 80-120 | | | |
| Surrogate: a,a,a-Trifluorotoluene | 39.3 | | ug/l | 40.0 | | 98.2 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 39.5 | | " | 40.0 | | 98.8 | 80-120 | | | |

Calibration Check (EE60404-CCV1)

Prepared: 05/04/06 Analyzed: 05/05/06

| | | | | | | | | | | |
|-----------------------------------|------|--|------|------|--|------|--------|--|--|--|
| Benzene | 50.2 | | ug/l | 50.0 | | 100 | 80-120 | | | |
| Toluene | 49.3 | | " | 50.0 | | 98.6 | 80-120 | | | |
| Ethylbenzene | 53.0 | | " | 50.0 | | 106 | 80-120 | | | |
| Xylene (p/m) | 105 | | " | 100 | | 105 | 80-120 | | | |
| Xylene (o) | 52.4 | | " | 50.0 | | 105 | 80-120 | | | |
| Surrogate: a,a,a-Trifluorotoluene | 35.3 | | " | 40.0 | | 88.2 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 38.2 | | " | 40.0 | | 95.5 | 80-120 | | | |

Matrix Spike (EE60404-MS1)

Source: 6E03003-01

Prepared & Analyzed: 05/04/06

| | | | | | | | | | | |
|-----------------------------------|--------|---------|------|--------|----------|------|--------|--|--|--|
| Benzene | 0.0626 | 0.00100 | mg/L | 0.0500 | 0.00562 | 114 | 80-120 | | | |
| Toluene | 0.0534 | 0.00100 | " | 0.0500 | ND | 107 | 80-120 | | | |
| Ethylbenzene | 0.0534 | 0.00100 | " | 0.0500 | 0.000825 | 105 | 80-120 | | | |
| Xylene (p/m) | 0.120 | 0.00100 | " | 0.100 | ND | 120 | 80-120 | | | |
| Xylene (o) | 0.0577 | 0.00100 | " | 0.0500 | ND | 115 | 80-120 | | | |
| Surrogate: a,a,a-Trifluorotoluene | 36.6 | | ug/l | 40.0 | | 91.5 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 38.6 | | " | 40.0 | | 96.5 | 80-120 | | | |

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

Project: Hobbs Jct. F-29-1A
 Project Number: None Given
 Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
 05/09/06 14:23

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 EE60404 - EPA 5030C (GC)

Matrix Spike Dup (EE60404-MSD1)

Source: 6E03003-01

Prepared & Analyzed: 05/04/06

| | | | | | | | | | | |
|---|--------|---------|------|--------|----------|-----|--------|------|----|--|
| Benzene | 0.0617 | 0.00100 | mg/L | 0.0500 | 0.00562 | 112 | 80-120 | 1.77 | 20 | |
| Toluene | 0.0526 | 0.00100 | " | 0.0500 | ND | 105 | 80-120 | 1.89 | 20 | |
| Ethylbenzene | 0.0532 | 0.00100 | " | 0.0500 | 0.000825 | 105 | 80-120 | 0.00 | 20 | |
| Xylene (p/m) | 0.117 | 0.00100 | " | 0.100 | ND | 117 | 80-120 | 2.53 | 20 | |
| Xylene (o) | 0.0565 | 0.00100 | " | 0.0500 | ND | 113 | 80-120 | 1.75 | 20 | |
| Surrogate: <i>a,a,a</i> -Trifluorotoluene | 40.9 | | ug/l | 40.0 | | 102 | 80-120 | | | |
| Surrogate: <i>p</i> -Bromofluorobenzene | 40.0 | | " | 40.0 | | 100 | 80-120 | | | |

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

Project: Hobbs Jct. F-29-1A
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
05/09/06 14:23

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 EE60507 - General Preparation (WetChem)

Blank (EE60507-BLK1)

Prepared & Analyzed: 05/04/06

| | | | | | | | | | | |
|----------|----|-------|------|--|--|--|--|--|--|--|
| Chloride | ND | 0.500 | mg/L | | | | | | | |
| Sulfate | ND | 0.500 | " | | | | | | | |

LCS (EE60507-BS1)

Prepared & Analyzed: 05/04/06

| | | | | | | | | | | |
|----------|------|-------|------|------|--|------|--------|--|--|--|
| Chloride | 9.99 | 0.500 | mg/L | 10.0 | | 99.9 | 80-120 | | | |
| Sulfate | 8.53 | 0.500 | " | 10.0 | | 85.3 | 80-120 | | | |

Calibration Check (EE60507-CCV1)

Prepared & Analyzed: 05/04/06

| | | | | | | | | | | |
|----------|------|--|------|------|--|------|--------|--|--|--|
| Chloride | 10.4 | | mg/L | 10.0 | | 104 | 80-120 | | | |
| Sulfate | 9.15 | | " | 10.0 | | 91.5 | 80-120 | | | |

Duplicate (EE60507-DUP1)

Source: 6D28002-02

Prepared & Analyzed: 05/04/06

| | | | | | | | | | | |
|----------|------|-------|------|--|------|--|--|-------|----|--|
| Sulfate | 52.7 | 0.500 | mg/L | | 53.3 | | | 1.13 | 20 | |
| Chloride | 62.0 | 0.500 | " | | 62.1 | | | 0.161 | 20 | |

Batch EE60814 - General Preparation (WetChem)

Blank (EE60814-BLK1)

Prepared & Analyzed: 05/09/06

| | | | | | | | | | | |
|------------------|----|------|------|--|--|--|--|--|--|--|
| Total Alkalinity | ND | 2.00 | mg/L | | | | | | | |
|------------------|----|------|------|--|--|--|--|--|--|--|

LCS (EE60814-BS1)

Prepared & Analyzed: 05/09/06

| | | | | | | | | | | |
|------------------------|-----|------|------|-----|--|-----|--------|--|--|--|
| Bicarbonate Alkalinity | 214 | 2.00 | mg/L | 200 | | 107 | 85-115 | | | |
|------------------------|-----|------|------|-----|--|-----|--------|--|--|--|

Duplicate (EE60814-DUP1)

Source: 6E04009-01

Prepared & Analyzed: 05/09/06

| | | | | | | | | | | |
|------------------|-----|------|------|--|-----|--|--|-------|----|--|
| Total Alkalinity | 209 | 2.00 | mg/L | | 208 | | | 0.480 | 20 | |
|------------------|-----|------|------|--|-----|--|--|-------|----|--|

Reference (EE60814-SRM1)

Prepared & Analyzed: 05/09/06

| | | | | | | | | | | |
|------------------|------|--|------|-----|--|------|--------|--|--|--|
| Total Alkalinity | 96.0 | | mg/L | 100 | | 96.0 | 90-110 | | | |
|------------------|------|--|------|-----|--|------|--------|--|--|--|

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

Project: Hobbs Jct. F-29-1A
 Project Number: None Given
 Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
 05/09/06 14:23

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 EE60816 - Filtration Preparation

Blank (EE60816-BLK1)

Prepared: 05/05/06 Analyzed: 05/08/06

| | | | | | | | | | | |
|------------------------|----|------|------|--|--|--|--|--|--|--|
| Total Dissolved Solids | ND | 5.00 | mg/L | | | | | | | |
|------------------------|----|------|------|--|--|--|--|--|--|--|

Duplicate (EE60816-DUP1)

Source: 6E04009-01

Prepared: 05/05/06 Analyzed: 05/08/06

| | | | | | | | | | | |
|------------------------|-----|------|------|--|-----|--|--|------|---|--|
| Total Dissolved Solids | 940 | 5.00 | mg/L | | 904 | | | 3.90 | 5 | |
|------------------------|-----|------|------|--|-----|--|--|------|---|--|

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

Project: Hobbs Jct. F-29-1A
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
05/09/06 14:23

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 EE60811 - 6010B/No Digestion

Blank (EE60811-BLK1)

Prepared & Analyzed: 05/08/06

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

Calibration Check (EE60811-CCV1)

Prepared & Analyzed: 05/08/06

| | | | | | | | | | | |
|-----------|------|--|------|------|--|------|--------|--|--|--|
| Calcium | 2.20 | | mg/L | 2.00 | | 110 | 85-115 | | | |
| Magnesium | 2.28 | | " | 2.00 | | 114 | 85-115 | | | |
| Potassium | 1.74 | | " | 2.00 | | 87.0 | 85-115 | | | |
| Sodium | 1.84 | | " | 2.00 | | 92.0 | 85-115 | | | |

Duplicate (EE60811-DUP1)

Source: 6E04009-01

Prepared & Analyzed: 05/08/06

| | | | | | | | | | | |
|-----------|------|--------|------|--|------|--|--|-------|----|--|
| Calcium | 130 | 0.500 | mg/L | | 128 | | | 1.55 | 20 | |
| Magnesium | 22.5 | 0.0100 | " | | 23.2 | | | 3.06 | 20 | |
| Potassium | 4.11 | 0.0500 | " | | 4.32 | | | 4.98 | 20 | |
| Sodium | 87.6 | 0.100 | " | | 88.0 | | | 0.456 | 20 | |

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

Project: Hobbs Jct. F-29-1A
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
05/09/06 14:23

Notes and Definitions

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

Report Approved By: _____

Raland K Tuttle

Date: 5/9/2006

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

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

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

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

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

Client: Rice Op.
 Date/Time: 5/4/04 10:50
 Order #: 16E09010
 Initials: CK

Sample Receipt Checklist

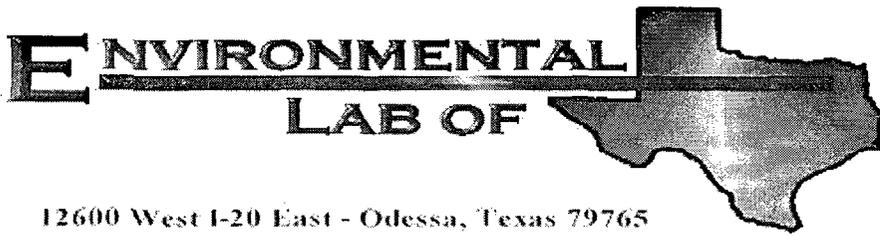
| | Yes | No | O.S | C |
|---|-------------------------------------|----|----------------|---|
| Temperature of container/cooler? | | | | |
| Shipping container/cooler in good condition? | <input checked="" type="checkbox"/> | No | | |
| Custody Seals intact on shipping container/cooler? | <input checked=""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

Other observations:

Variance Documentation:

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

Corrective Action Taken:



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

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

Project: Hobbs Jct. F-29-1A
Project Number: None Given
Location: Lea County

Lab Order Number: 6H18011

Report Date: 08/28/06

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

Project: Hobbs Jct. F-29-1A
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|--------------------------|---------------|--------|----------------|------------------|
| Monitor Well #1- Deep | 6H18011-01 | Water | 08/15/06 08:40 | 08-18-2006 10:20 |
| Monitor Well #2- Shallow | 6H18011-02 | Water | 08/15/06 10:05 | 08-18-2006 10:20 |

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

Project: Hobbs Jct. F-29-1A
 Project Number: None Given
 Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Organics by GC
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|--------|-----------------|--------|----------|---------|----------|----------|-----------|-------|
| Monitor Well #1- Deep (6H18011-01) Water | | | | | | | | | |
| Benzene | ND | 0.00100 | mg/L | 1 | EH62121 | 08/21/06 | 08/21/06 | EPA 8021B | |
| Toluene | ND | 0.00100 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.00100 | " | " | " | " | " | " | |
| Xylene (p/m) | ND | 0.00100 | " | " | " | " | " | " | |
| Xylene (o) | ND | 0.00100 | " | " | " | " | " | " | |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | | 95.5 % | 80-120 | " | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 88.2 % | 80-120 | " | " | " | " | " | |
| Monitor Well #2- Shallow (6H18011-02) Water | | | | | | | | | |
| Benzene | ND | 0.00100 | mg/L | 1 | EH62121 | 08/21/06 | 08/21/06 | EPA 8021B | |
| Toluene | ND | 0.00100 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.00100 | " | " | " | " | " | " | |
| Xylene (p/m) | ND | 0.00100 | " | " | " | " | " | " | |
| Xylene (o) | ND | 0.00100 | " | " | " | " | " | " | |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | | 102 % | 80-120 | " | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 109 % | 80-120 | " | " | " | " | " | |

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

Project: Hobbs Jct. F-29-1A
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 |
|--|--------|-----------------|-------|----------|---------|----------|----------|------------|-------|
| Monitor Well #1- Deep (6H18011-01) Water | | | | | | | | | |
| Total Alkalinity | 158 | 2.00 | mg/L | 1 | EH62128 | 08/21/06 | 08/21/06 | EPA 310.1M | |
| Chloride | 302 | 5.00 | " | 10 | EH62101 | 08/21/06 | 08/21/06 | EPA 300.0 | |
| Total Dissolved Solids | 1060 | 10.0 | " | 1 | EH62303 | 08/18/06 | 08/22/06 | EPA 160.1 | |
| Sulfate | 80.7 | 5.00 | " | 10 | EH62101 | 08/21/06 | 08/21/06 | EPA 300.0 | |
| Monitor Well #2- Shallow (6H18011-02) Water | | | | | | | | | |
| Total Alkalinity | 234 | 2.00 | mg/L | 1 | EH62128 | 08/21/06 | 08/21/06 | EPA 310.1M | |
| Chloride | 81.9 | 5.00 | " | 10 | EH62101 | 08/21/06 | 08/21/06 | EPA 300.0 | |
| Total Dissolved Solids | 578 | 10.0 | " | 1 | EH62303 | 08/18/06 | 08/22/06 | EPA 160.1 | |
| Sulfate | 104 | 5.00 | " | 10 | EH62101 | 08/21/06 | 08/21/06 | EPA 300.0 | |

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

Project: Hobbs Jct. F-29-1A
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Total Metals by EPA / Standard Methods
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Monitor Well #1- Deep (6H18011-01) Water | | | | | | | | | |
| Calcium | 154 | 4.05 | mg/L | 50 | EH62313 | 08/23/06 | 08/23/06 | EPA 200.7 | |
| Magnesium | 24.5 | 0.360 | " | 10 | " | " | " | " | |
| Potassium | 2.88 | 0.600 | " | " | " | " | " | " | |
| Sodium | 70.5 | 0.430 | " | " | " | " | " | " | |
| Monitor Well #2- Shallow (6H18011-02) Water | | | | | | | | | |
| Calcium | 49.0 | 0.810 | mg/L | 10 | EH62313 | 08/23/06 | 08/23/06 | EPA 200.7 | |
| Magnesium | 13.3 | 0.360 | " | " | " | " | " | " | |
| Potassium | 1.76 | 0.600 | " | " | " | " | " | " | |
| Sodium | 145 | 2.15 | " | 50 | " | " | " | " | |

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

Project: Hobbs Jct. F-29-1A
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 | RPD RPD | Limit Limits | RPD Limit | Notes |
|--|--------|-----------------|-------|-------------|---------------|-----------|---------|--------------|-----------|-------|
| Batch EH62121 - EPA 5030C (GC) | | | | | | | | | | |
| Blank (EH62121-BLK1) Prepared: 08/21/06 Analyzed: 08/22/06 | | | | | | | | | | |
| Benzene | ND | 0.00100 | mg/L | | | | | | | |
| Toluene | ND | 0.00100 | " | | | | | | | |
| Ethylbenzene | ND | 0.00100 | " | | | | | | | |
| Xylene (p/m) | ND | 0.00100 | " | | | | | | | |
| Xylene (o) | ND | 0.00100 | " | | | | | | | |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | 40.3 | | ug/l | 40.0 | | 101 | | 80-120 | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 36.7 | | " | 40.0 | | 91.8 | | 80-120 | | |
| LCS (EH62121-BS1) Prepared & Analyzed: 08/21/06 | | | | | | | | | | |
| Benzene | 0.0460 | 0.00100 | mg/L | 0.0500 | | 92.0 | | 80-120 | | |
| Toluene | 0.0503 | 0.00100 | " | 0.0500 | | 101 | | 80-120 | | |
| Ethylbenzene | 0.0463 | 0.00100 | " | 0.0500 | | 92.6 | | 80-120 | | |
| Xylene (p/m) | 0.113 | 0.00100 | " | 0.100 | | 113 | | 80-120 | | |
| Xylene (o) | 0.0565 | 0.00100 | " | 0.0500 | | 113 | | 80-120 | | |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | 39.7 | | ug/l | 40.0 | | 99.2 | | 80-120 | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 45.0 | | " | 40.0 | | 112 | | 80-120 | | |
| Calibration Check (EH62121-CCV1) Prepared: 08/21/06 Analyzed: 08/22/06 | | | | | | | | | | |
| Benzene | 48.7 | | ug/l | 50.0 | | 97.4 | | 80-120 | | |
| Toluene | 52.3 | | " | 50.0 | | 105 | | 80-120 | | |
| Ethylbenzene | 57.3 | | " | 50.0 | | 115 | | 80-120 | | |
| Xylene (p/m) | 114 | | " | 100 | | 114 | | 80-120 | | |
| Xylene (o) | 57.6 | | " | 50.0 | | 115 | | 80-120 | | |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | 44.7 | | " | 40.0 | | 112 | | 80-120 | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 38.3 | | " | 40.0 | | 95.8 | | 80-120 | | |
| Matrix Spike (EH62121-MS1) Source: 6H18007-01 Prepared: 08/21/06 Analyzed: 08/22/06 | | | | | | | | | | |
| Benzene | 0.0464 | 0.00100 | mg/L | 0.0500 | ND | 92.8 | | 80-120 | | |
| Toluene | 0.0550 | 0.00100 | " | 0.0500 | ND | 110 | | 80-120 | | |
| Ethylbenzene | 0.0554 | 0.00100 | " | 0.0500 | ND | 111 | | 80-120 | | |
| Xylene (p/m) | 0.117 | 0.00100 | " | 0.100 | ND | 117 | | 80-120 | | |
| Xylene (o) | 0.0575 | 0.00100 | " | 0.0500 | ND | 115 | | 80-120 | | |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | 41.8 | | ug/l | 40.0 | | 104 | | 80-120 | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 46.5 | | " | 40.0 | | 116 | | 80-120 | | |

| | | |
|--|---|---------------------|
| Rice Operating Co. 122 W. Taylor Hobbs NM, 88240 | Project: Hobbs Jct. F-29-1A 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 EH62121 - EPA 5030C (GC)

| Matrix Spike Dup (EH62121-MSD1) | Source: 6H18007-01 | | | Prepared: 08/21/06 | | Analyzed: 08/22/06 | | | | |
|-----------------------------------|--------------------|---------|------|--------------------|----|--------------------|--------|-------|----|--|
| Benzene | 0.0473 | 0.00100 | mg/L | 0.0500 | ND | 94.6 | 80-120 | 1.92 | 20 | |
| Toluene | 0.0535 | 0.00100 | " | 0.0500 | ND | 107 | 80-120 | 2.76 | 20 | |
| Ethylbenzene | 0.0549 | 0.00100 | " | 0.0500 | ND | 110 | 80-120 | 0.905 | 20 | |
| Nylene (p/m) | 0.120 | 0.00100 | " | 0.100 | ND | 120 | 80-120 | 2.53 | 20 | |
| Xylene (o) | 0.0583 | 0.00100 | " | 0.0500 | ND | 117 | 80-120 | 1.72 | 20 | |
| Surrogate: o,o,o-Trifluorotoluene | 42.9 | | ug/l | 40.0 | | 107 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 46.4 | | " | 40.0 | | 116 | 80-120 | | | |

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

Project: Hobbs Jct. F-29-1A
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 EH62101 - General Preparation (WetChem) | | | | | | | | | | |
| Blank (EH62101-BLK1) Prepared & Analyzed: 08/21/06 | | | | | | | | | | |
| Sulfate | ND | 0.500 | mg/L | | | | | | | |
| Chloride | ND | 0.500 | " | | | | | | | |
| LCS (EH62101-BS1) Prepared & Analyzed: 08/21/06 | | | | | | | | | | |
| Sulfate | 8.51 | 0.500 | mg/L | 10.0 | | 85.1 | 80-120 | | | |
| Chloride | 10.0 | 0.500 | " | 10.0 | | 100 | 80-120 | | | |
| Calibration Check (EH62101-CCV1) Prepared & Analyzed: 08/21/06 | | | | | | | | | | |
| Sulfate | 8.34 | | mg/L | 10.0 | | 83.4 | 80-120 | | | |
| Chloride | 10.2 | | " | 10.0 | | 102 | 80-120 | | | |
| Duplicate (EH62101-DUP1) Source: 6H18007-01 Prepared & Analyzed: 08/21/06 | | | | | | | | | | |
| Sulfate | 76.3 | 5.00 | mg/L | | 65.9 | | | 14.6 | 20 | |
| Chloride | 105 | 5.00 | " | | 98.9 | | | 5.98 | 20 | |
| Duplicate (EH62101-DUP2) Source: 6H18013-04 Prepared & Analyzed: 08/21/06 | | | | | | | | | | |
| Sulfate | 331 | 5.00 | mg/L | | 336 | | | 1.50 | 20 | |
| Chloride | 138 | 5.00 | " | | 136 | | | 1.46 | 20 | |
| Matrix Spike (EH62101-MS1) Source: 6H18007-01 Prepared & Analyzed: 08/21/06 | | | | | | | | | | |
| Sulfate | 172 | 5.00 | mg/L | 100 | 65.9 | 106 | 80-120 | | | |
| Chloride | 210 | 5.00 | " | 100 | 98.9 | 111 | 80-120 | | | |
| Matrix Spike (EH62101-MS2) Source: 6H18013-04 Prepared & Analyzed: 08/21/06 | | | | | | | | | | |
| Sulfate | 422 | 5.00 | mg/L | 100 | 336 | 86.0 | 80-120 | | | |
| Chloride | 224 | 5.00 | " | 100 | 136 | 88.0 | 80-120 | | | |

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

Project: Hobbs Jct. F-29-1A
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 EH62128 - General Preparation (WetChem) | | | | | | | | | | |
| Blank (EH62128-BLK1) Prepared & Analyzed: 08/21/06 | | | | | | | | | | |
| Total Alkalinity | ND | 2.00 | mg/L | | | | | | | |
| LCS (EH62128-BS1) Prepared & Analyzed: 08/21/06 | | | | | | | | | | |
| Total Alkalinity | 178 | | mg/L | 200 | | 89.0 | 85-115 | | | |
| Duplicate (EH62128-DUP1) Source: 6H18007-01 Prepared & Analyzed: 08/21/06 | | | | | | | | | | |
| Total Alkalinity | 186 | 2.00 | mg/L | | 186 | | | 0.00 | 20 | |
| Reference (EH62128-SRM1) Prepared & Analyzed: 08/21/06 | | | | | | | | | | |
| Total Alkalinity | 248 | | mg/L | 250 | | 99.2 | 90-110 | | | |
| Batch EH62303 - Filtration Preparation | | | | | | | | | | |
| Blank (EH62303-BLK1) Prepared: 08/18/06 Analyzed: 08/22/06 | | | | | | | | | | |
| Total Dissolved Solids | ND | 10.0 | mg/L | | | | | | | |
| Duplicate (EH62303-DUP1) Source: 6H18007-01 Prepared: 08/18/06 Analyzed: 08/22/06 | | | | | | | | | | |
| Total Dissolved Solids | 556 | 10.0 | mg/L | | 526 | | | 5.55 | 5 | R5 |
| Duplicate (EH62303-DUP2) Source: 6H18013-04 Prepared & Analyzed: 08/18/06 | | | | | | | | | | |
| Total Dissolved Solids | 808 | 10.0 | mg/L | | 930 | | | 14.0 | 5 | |

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

Project: Hobbs Jct. F-29-1A
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 EH62313 - 6010B/No Digestion

Blank (EH62313-BLK1)

Prepared & Analyzed: 08/23/06

| | | | | | | | | | | |
|-----------|----|--------|------|--|--|--|--|--|--|--|
| Calcium | ND | 0.0810 | mg/L | | | | | | | |
| Magnesium | ND | 0.0360 | " | | | | | | | |
| Potassium | ND | 0.0600 | " | | | | | | | |
| Sodium | ND | 0.0430 | " | | | | | | | |

Calibration Check (EH62313-CCV1)

Prepared & Analyzed: 08/23/06

| | | | | | | | | | | |
|-----------|------|--|------|------|--|------|--------|--|--|--|
| Calcium | 1.96 | | mg/L | 2.00 | | 98.0 | 85-115 | | | |
| Magnesium | 2.01 | | " | 2.00 | | 100 | 85-115 | | | |
| Potassium | 1.76 | | " | 2.00 | | 88.0 | 85-115 | | | |
| Sodium | 1.96 | | " | 2.00 | | 98.0 | 85-115 | | | |

Duplicate (EH62313-DUP1)

Source: 6H15005-04

Prepared & Analyzed: 08/23/06

| | | | | | | | | | | |
|-----------|------|-------|------|--|------|--|--|-------|----|--|
| Calcium | 44.4 | 0.810 | mg/L | | 45.9 | | | 3.32 | 20 | |
| Magnesium | 48.1 | 0.360 | " | | 49.3 | | | 2.46 | 20 | |
| Potassium | 42.9 | 0.600 | " | | 42.6 | | | 0.702 | 20 | |
| Sodium | 44.4 | 0.430 | " | | 43.5 | | | 2.05 | 20 | |

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

Project: Hobbs Jct. F-29-1A
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Notes and Definitions

R5 RPD is outside of historic values
DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference
LCS Laboratory Control Spike
MS Matrix Spike
Dup Duplicate

Report Approved By:

Raland K. Tuttle

Date:

8/28/2006

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

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

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

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

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Rice Dr.
 Date/ Time: 8/18/06 10:20
 Lab ID #: 6H18011
 Initials: CL

Sample Receipt Checklist

Client Initials

| # | Yes | No | | °C | Client Initials |
|--|-----|----|--------------------------|----|-----------------|
| #1 Temperature of container/ cooler? | Yes | No | 4.0 | °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 VOC samples have zero headspace? | Yes | No | Not Applicable | | |

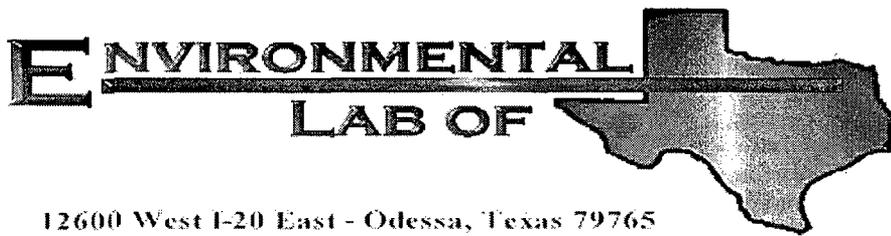
Variance Documentation

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



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

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

Project: Hobbs Jct. F-29-1A
Project Number: None Given
Location: T18S R38E Sec 29 F- Lea County, NM

Lab Order Number: 6K08007

Report Date: 11/15/06

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

Project: Hobbs Jct. F-29-1A
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|--------------------------|---------------|--------|----------------|------------------|
| Monitor Well #1- Deep | 6K08007-01 | Water | 11/03/06 09:35 | 11-08-2006 14:50 |
| Monitor Well #2- Shallow | 6K08007-02 | Water | 11/03/06 10:15 | 11-08-2006 14:50 |

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

Project: Hobbs Jct. F-29-1A
 Project Number: None Given
 Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Organics by GC
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|--------|-----------------|--------|----------|---------|----------|----------|-----------|-------|
| Monitor Well #1- Deep (6K08007-01) Water | | | | | | | | | |
| Benzene | ND | 0.00100 | mg/L | 1 | EK60808 | 11/10/06 | 11/10/06 | EPA 8021B | |
| Toluene | ND | 0.00100 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.00100 | " | " | " | " | " | " | |
| Xylene (p/m) | ND | 0.00100 | " | " | " | " | " | " | |
| Xylene (o) | ND | 0.00100 | " | " | " | " | " | " | |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | | 89.0 % | 80-120 | " | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 82.0 % | 80-120 | " | " | " | " | " | |
| Monitor Well #2- Shallow (6K08007-02) Water | | | | | | | | | |
| Benzene | ND | 0.00100 | mg/L | 1 | EK60808 | 11/10/06 | 11/10/06 | EPA 8021B | |
| Toluene | ND | 0.00100 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.00100 | " | " | " | " | " | " | |
| Xylene (p/m) | ND | 0.00100 | " | " | " | " | " | " | |
| Xylene (o) | ND | 0.00100 | " | " | " | " | " | " | |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | | 88.0 % | 80-120 | " | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 93.0 % | 80-120 | " | " | " | " | " | |

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

Project: Hobbs Jct. F-29-1A
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 |
|--|--------|-----------------|-------|----------|---------|----------|----------|------------|-------|
| Monitor Well #1- Deep (6K08007-01) Water | | | | | | | | | |
| Total Alkalinity | 152 | 2.00 | mg/L | 1 | EK61307 | 11/14/06 | 11/14/06 | EPA 310.1M | |
| Chloride | 285 | 5.00 | " | 10 | EK60911 | 11/09/06 | 11/09/06 | EPA 300.0 | |
| Total Dissolved Solids | 866 | 10.0 | " | 1 | EK61306 | 11/09/06 | 11/10/06 | EPA 160.1 | |
| Sulfate | 86.1 | 5.00 | " | 10 | EK60911 | 11/09/06 | 11/09/06 | EPA 300.0 | |
| Monitor Well #2- Shallow (6K08007-02) Water | | | | | | | | | |
| Total Alkalinity | 228 | 2.00 | mg/L | 1 | EK61307 | 11/14/06 | 11/14/06 | EPA 310.1M | |
| Chloride | 79.6 | 5.00 | " | 10 | EK60911 | 11/09/06 | 11/09/06 | EPA 300.0 | |
| Total Dissolved Solids | 592 | 10.0 | " | 1 | EK61306 | 11/09/06 | 11/10/06 | EPA 160.1 | |
| Sulfate | 111 | 5.00 | " | 10 | EK60911 | 11/09/06 | 11/09/06 | EPA 300.0 | |

| | | |
|--|---|---------------------|
| Rice Operating Co. 122 W. Taylor Hobbs NM, 88240 | Project: Hobbs Jct. F-29-1A Project Number: None Given Project Manager: Kristin Farris-Pope | Fax: (505) 397-1471 |
|--|---|---------------------|

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

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Monitor Well #1- Deep (6K08007-01) Water | | | | | | | | | |
| Calcium | 166 | 4.05 | mg/L | 50 | EK60919 | 11/09/06 | 11/09/06 | EPA 6010B | |
| Magnesium | 23.5 | 0.360 | " | 10 | " | " | " | " | |
| Potassium | 3.30 | 0.600 | " | " | " | " | " | " | |
| Sodium | 77.6 | 0.430 | " | " | " | " | " | " | |
| Monitor Well #2- Shallow (6K08007-02) Water | | | | | | | | | |
| Calcium | 53.8 | 0.810 | mg/L | 10 | EK60919 | 11/09/06 | 11/09/06 | EPA 6010B | |
| Magnesium | 13.7 | 0.360 | " | " | " | " | " | " | |
| Potassium | 1.88 | 0.600 | " | " | " | " | " | " | |
| Sodium | 124 | 2.15 | " | 50 | " | " | " | " | |

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

Project: Hobbs Jct. F-29-1A
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 EK60808 - EPA 5030C (GC)

Blank (EK60808-BLK1)

Prepared: 11/08/06 Analyzed: 11/10/06

| | | | | | | | | | | |
|--|------|---------|-------------|------|--|------|--------|--|--|--|
| Benzene | ND | 0.00100 | mg/L | | | | | | | |
| Toluene | ND | 0.00100 | " | | | | | | | |
| Ethylbenzene | ND | 0.00100 | " | | | | | | | |
| Xylene (p/m) | ND | 0.00100 | " | | | | | | | |
| Xylene (o) | ND | 0.00100 | " | | | | | | | |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | 40.3 | | <i>ug/l</i> | 40.0 | | 101 | 80-120 | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 33.5 | | " | 40.0 | | 83.8 | 80-120 | | | |

LCS (EK60808-BS1)

Prepared: 11/08/06 Analyzed: 11/10/06

| | | | | | | | | | | |
|--|--------|---------|-------------|--------|--|------|--------|--|--|--|
| Benzene | 0.0525 | 0.00100 | mg/L | 0.0500 | | 105 | 80-120 | | | |
| Toluene | 0.0458 | 0.00100 | " | 0.0500 | | 91.6 | 80-120 | | | |
| Ethylbenzene | 0.0457 | 0.00100 | " | 0.0500 | | 91.4 | 80-120 | | | |
| Xylene (p/m) | 0.0919 | 0.00100 | " | 0.100 | | 91.9 | 80-120 | | | |
| Xylene (o) | 0.0448 | 0.00100 | " | 0.0500 | | 89.6 | 80-120 | | | |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | 41.2 | | <i>ug/l</i> | 40.0 | | 103 | 80-120 | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 41.5 | | " | 40.0 | | 104 | 80-120 | | | |

Calibration Check (EK60808-CCV1)

Prepared: 11/08/06 Analyzed: 11/11/06

| | | | | | | | | | | |
|--|------|--|------|------|--|------|--------|--|--|--|
| Benzene | 50.9 | | ug/l | 50.0 | | 102 | 80-120 | | | |
| Toluene | 45.0 | | " | 50.0 | | 90.0 | 80-120 | | | |
| Ethylbenzene | 46.8 | | " | 50.0 | | 93.6 | 80-120 | | | |
| Xylene (p/m) | 90.9 | | " | 100 | | 90.9 | 80-120 | | | |
| Xylene (o) | 45.4 | | " | 50.0 | | 90.8 | 80-120 | | | |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | 39.9 | | " | 40.0 | | 99.8 | 80-120 | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 39.0 | | " | 40.0 | | 97.5 | 80-120 | | | |

Matrix Spike (EK60808-MS1)

Source: 6K06005-01

Prepared: 11/08/06 Analyzed: 11/10/06

| | | | | | | | | | | |
|--|--------|---------|-------------|--------|----|------|--------|--|--|--|
| Benzene | 0.0503 | 0.00100 | mg/L | 0.0500 | ND | 101 | 80-120 | | | |
| Toluene | 0.0458 | 0.00100 | " | 0.0500 | ND | 91.6 | 80-120 | | | |
| Ethylbenzene | 0.0473 | 0.00100 | " | 0.0500 | ND | 94.6 | 80-120 | | | |
| Xylene (p/m) | 0.0939 | 0.00100 | " | 0.100 | ND | 93.9 | 80-120 | | | |
| Xylene (o) | 0.0465 | 0.00100 | " | 0.0500 | ND | 93.0 | 80-120 | | | |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | 38.9 | | <i>ug/l</i> | 40.0 | | 97.2 | 80-120 | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 43.4 | | " | 40.0 | | 108 | 80-120 | | | |

| | | |
|--|---|---------------------|
| Rice Operating Co. 122 W. Taylor Hobbs NM, 88240 | Project: Hobbs Jct. F-29-1A 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 EK60808 - EPA 5030C (GC)

| Matrix Spike Dup (EK60808-MSD1) | Source: 6K06005-01 | | | Prepared: 11/08/06 | Analyzed: 11/10/06 | | | | | |
|--|--------------------|---------|-------------|--------------------|--------------------|------------|---------------|------|----|--|
| Benzene | 0.0518 | 0.00100 | mg/L | 0.0500 | ND | 104 | 80-120 | 2.93 | 20 | |
| Toluene | 0.0465 | 0.00100 | " | 0.0500 | ND | 93.0 | 80-120 | 1.52 | 20 | |
| Ethylbenzene | 0.0478 | 0.00100 | " | 0.0500 | ND | 95.6 | 80-120 | 1.05 | 20 | |
| Xylene (p/m) | 0.0983 | 0.00100 | " | 0.100 | ND | 98.3 | 80-120 | 4.58 | 20 | |
| Xylene (o) | 0.0494 | 0.00100 | " | 0.0500 | ND | 98.8 | 80-120 | 6.05 | 20 | |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | <i>41.8</i> | | <i>ng/l</i> | <i>40.0</i> | | <i>104</i> | <i>80-120</i> | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>43.7</i> | | <i>"</i> | <i>40.0</i> | | <i>109</i> | <i>80-120</i> | | | |

| | | |
|--|---|---------------------|
| Rice Operating Co. 122 W. Taylor Hobbs NM, 88240 | Project: Hobbs Jct. F-29-1A 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 EK60911 - General Preparation (WetChem) | | | | | | | | | | |
| Blank (EK60911-BLK1) Prepared & Analyzed: 11/09/06 | | | | | | | | | | |
| Chloride | ND | 0.500 | mg/L | | | | | | | |
| Sulfate | ND | 0.500 | " | | | | | | | |
| LCS (EK60911-BS1) Prepared & Analyzed: 11/09/06 | | | | | | | | | | |
| Chloride | 10.9 | 0.500 | mg/L | 10.0 | | 109 | 80-120 | | | |
| Sulfate | 10.1 | 0.500 | " | 10.0 | | 101 | 80-120 | | | |
| Calibration Check (EK60911-CCV1) Prepared & Analyzed: 11/09/06 | | | | | | | | | | |
| Chloride | 10.8 | | mg/L | 10.0 | | 108 | 80-120 | | | |
| Sulfate | 10.1 | | " | 10.0 | | 101 | 80-120 | | | |
| Duplicate (EK60911-DUP1) Source: 6K08007-01 Prepared & Analyzed: 11/09/06 | | | | | | | | | | |
| Sulfate | 86.2 | 5.00 | mg/L | | 86.1 | | | 0.116 | 20 | |
| Chloride | 283 | 5.00 | " | | 285 | | | 0.704 | 20 | |
| Duplicate (EK60911-DUP2) Source: 6K09002-01 Prepared & Analyzed: 11/09/06 | | | | | | | | | | |
| Sulfate | 1650 | 20.0 | mg/L | | 1590 | | | 3.70 | 20 | |
| Chloride | 248 | 20.0 | " | | 239 | | | 3.70 | 20 | |
| Matrix Spike (EK60911-MS1) Source: 6K08007-01 Prepared & Analyzed: 11/09/06 | | | | | | | | | | |
| Sulfate | 184 | 5.00 | mg/L | 100 | 86.1 | 97.9 | 80-120 | | | |
| Chloride | 404 | 5.00 | " | 100 | 285 | 119 | 80-120 | | | |
| Matrix Spike (EK60911-MS2) Source: 6K09002-01 Prepared & Analyzed: 11/09/06 | | | | | | | | | | |
| Chloride | 655 | 20.0 | mg/L | 400 | 239 | 104 | 80-120 | | | |
| Sulfate | 1960 | 20.0 | " | 400 | 1590 | 92.5 | 80-120 | | | |

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

Project: Hobbs Jct. F-29-1A
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 EK61306 - Filtration Preparation

| | | | | | | | | | | |
|---------------------------------|-------|------|------|--|-------|--|--|------|---|------|
| Blank (EK61306-BLK1) | | | | Prepared: 11/09/06 Analyzed: 11/10/06 | | | | | | |
| Total Dissolved Solids | ND | 10.0 | mg/L | | | | | | | |
| Duplicate (EK61306-DUP1) | | | | Source: 6K07002-01 Prepared: 11/09/06 Analyzed: 11/10/06 | | | | | | |
| Total Dissolved Solids | 10400 | 10.0 | mg/L | | 9240 | | | 11.8 | 5 | S-08 |
| Duplicate (EK61306-DUP2) | | | | Source: 6K08010-02 Prepared: 11/09/06 Analyzed: 11/10/06 | | | | | | |
| Total Dissolved Solids | 24600 | 10.0 | mg/L | | 23600 | | | 4.15 | 5 | |

Batch EK61307 - General Preparation (WetChem)

| | | | | | | | | | | |
|---------------------------------|-----|------|------|--|-----|------|--------|------|----|--|
| Blank (EK61307-BLK1) | | | | Prepared & Analyzed: 11/14/06 | | | | | | |
| Total Alkalinity | ND | 2.00 | mg/L | | | | | | | |
| LCS (EK61307-BS1) | | | | Prepared & Analyzed: 11/14/06 | | | | | | |
| Bicarbonate Alkalinity | 192 | 2.00 | mg/L | 200 | | 96.0 | 85-115 | | | |
| Duplicate (EK61307-DUP1) | | | | Source: 6K08007-01 Prepared & Analyzed: 11/14/06 | | | | | | |
| Total Alkalinity | 150 | 2.00 | mg/L | | 152 | | | 1.32 | 20 | |
| Reference (EK61307-SRM1) | | | | Prepared & Analyzed: 11/14/06 | | | | | | |
| Total Alkalinity | 248 | | mg/L | 250 | | 99.2 | 90-110 | | | |

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

Project: Hobbs Jct. F-29-1A
 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 EK60919 - 6010B/No Digestion

Blank (EK60919-BLK1)

Prepared & Analyzed: 11/09/06

| | | | | | | | | | | |
|-----------|----|--------|------|--|--|--|--|--|--|--|
| Calcium | ND | 0.0810 | mg/L | | | | | | | |
| Magnesium | ND | 0.0360 | " | | | | | | | |
| Potassium | ND | 0.0600 | " | | | | | | | |
| Sodium | ND | 0.0430 | " | | | | | | | |

Calibration Check (EK60919-CCV1)

Prepared & Analyzed: 11/09/06

| | | | | | | | | | | |
|-----------|------|--|------|------|--|------|--------|--|--|--|
| Calcium | 2.28 | | mg/L | 2.00 | | 114 | 85-115 | | | |
| Magnesium | 2.14 | | " | 2.00 | | 107 | 85-115 | | | |
| Potassium | 1.87 | | " | 2.00 | | 93.5 | 85-115 | | | |
| Sodium | 2.04 | | " | 2.00 | | 102 | 85-115 | | | |

Duplicate (EK60919-DUP1)

Source: 6K08007-01

Prepared & Analyzed: 11/09/06

| | | | | | | | | | | |
|-----------|------|-------|------|--|------|--|--|-------|----|--|
| Calcium | 164 | 4.05 | mg/L | | 166 | | | 1.21 | 20 | |
| Magnesium | 23.5 | 0.360 | " | | 23.5 | | | 0.00 | 20 | |
| Potassium | 3.34 | 0.600 | " | | 3.30 | | | 1.20 | 20 | |
| Sodium | 77.5 | 0.430 | " | | 77.6 | | | 0.129 | 20 | |

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

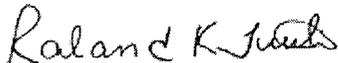
Project: Hobbs Jct. F-29-1A
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Notes and Definitions

S-08 Value outside Laboratory historical or method prescribed QC limits.
DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference
LCS Laboratory Control Spike
MS Matrix Spike
Dup Duplicate

Report Approved By:



Date:

11/15/2006

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

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

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

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

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Rice Op.
 Date/ Time: 11/8/06 2:50
 Lab ID #: 6K0X0017
 Initials: CR

Sample Receipt Checklist

Client Initials

| # | Description | Yes | No | Notes | Client Initials |
|-----|--|-----|----|--------------------------|-----------------|
| #1 | Temperature of container/ cooler? | Yes | No | 0.5 °C | |
| #2 | Shipping container in good condition? | Yes | No | | |
| #3 | Custody Seals intact on shipping container/ cooler? | Yes | No | Not Present | |
| #4 | Custody Seals intact on sample bottles/ container? | Yes | No | Not Present | |
| #5 | Chain of Custody present? | Yes | No | | |
| #6 | Sample instructions complete of Chain of Custody? | Yes | No | | |
| #7 | Chain of Custody signed when relinquished/ received? | Yes | No | | |
| #8 | Chain of Custody agrees with sample label(s)? | Yes | No | ID written on Cont./ Lid | |
| #9 | Container label(s) legible and intact? | Yes | No | Not Applicable | |
| #10 | Sample matrix/ properties agree with Chain of Custody? | Yes | No | | |
| #11 | Containers supplied by EL0T? | Yes | No | | |
| #12 | Samples in proper container/ bottle? | Yes | No | See Below | |
| #13 | Samples properly preserved? | Yes | No | See Below | |
| #14 | Sample bottles intact? | Yes | No | | |
| #15 | Preservations documented on Chain of Custody? | Yes | No | | |
| #16 | Containers documented on Chain of Custody? | Yes | No | | |
| #17 | Sufficient sample amount for indicated test(s)? | Yes | No | See Below | |
| #18 | All samples received within sufficient hold time? | Yes | No | See Below | |
| #19 | VOC samples have zero headspace? | Yes | No | Not Applicable | |

Variance Documentation

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

Regarding: _____

Corrective Action Taken:

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

R.T. HICKS CONSULTANTS, LTD.

1909 Brunson Avenue • Midland, Texas 79701-6924 • 432.638.8740 • Fax: 413.403.9968

CERTIFIED MAIL

RETURN RECEIPT NO. 7099 3400 0017 1737 2619

February 21, 2006

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

**RE: 2005 ANNUAL GROUNDWATER MONITORING REPORT
F-29-1A VENT, HOBBS ABANDONMENT SWD SYSTEM
UNIT 'F', SEC. 29, T18S, R38E
NMOCD CASE #1R0428**

Mr. Price:

R. T. Hicks Consultants, Ltd. takes this opportunity to submit the 2005 Annual Groundwater Monitoring Report for the F-29-1A Vent site located in the Hobbs Salt Water Disposal (SWD) System. In your email on February 2, 2006, you withdrew the requirement for an abatement plan for the F-29-1A Vent site, under the conditions that the current on site monitor well remain for future monitoring in the area and that ROC shall submit documentation of closure activities. In 2006, Arc Environmental will sample the well and Environmental Lab of Texas of Odessa, Texas will continue to analyze the water samples. The Hobbs SWD System has been abandoned.

Thank you for your consideration concerning this annual summary of groundwater monitoring information. If you have any questions, do not hesitate to contact me at (423) 638-8740 or Kristin Farris Pope at (505) 393-9174.

Sincerely,



Gilbert J. Van Deventer, REM, PG
R. T. Hicks Consultants Ltd.

enclosures: Summary table & figure, analytical results

cc: LBG, CDH, KFP, RTH, file

TABLE AND FIGURES

Table 1
Summary of Groundwater Sampling Results
Hobbs Abandonment F-29-1A Vent Site

| Monitoring Well | Sample Date | Depth to Groundwater (feet BTOC) | Total Depth (feet BTOC) | Chloride (mg/L) | Sulfate (mg/L) | TDS (mg/L) | Benzene (mg/L) | Toluene (mg/L) | Ethylbenzene (mg/L) | Xylene (mg/L) |
|-----------------|-------------|----------------------------------|-------------------------|-----------------|----------------|------------|----------------|----------------|---------------------|---------------|
| MW-1 (Shallow) | 12/2/04 | 60.64 | 74.80 | 725 | --- | 3280 | <0.001 | <0.001 | <0.001 | <0.001 |
| | 3/22/05 | 60.08 | 74.80 | 879 | 1780 | 3960 | <0.001 | <0.001 | <0.001 | <0.001 |
| | 5/19/05 | 60.04 | 74.80 | 626 | 788 | 2750 | <0.001 | <0.001 | <0.001 | <0.001 |
| | 8/9/05 | 60.14 | 74.80 | 470 | 475 | 1780 | <0.001 | <0.001 | <0.001 | <0.001 |
| | 11/1/05 | 60.54 | 74.80 | 226 | 218 | 1100 | <0.001 | <0.001 | <0.001 | <0.001 |
| | 1/31/06 | 60.42 | 74.80 | 144 | 58.1 | 924 | <0.001 | <0.001 | <0.001 | <0.001 |
| MW-1 (Deep) | 12/2/04 | 60.74 | 102.57 | 100 | --- | 465 | <0.001 | <0.001 | <0.001 | <0.001 |
| | 3/22/05 | 60.10 | 102.57 | 613 | 154 | 930 | <0.001 | <0.001 | <0.001 | <0.001 |
| | 5/19/05 | 60.13 | 102.57 | 332 | 84.5 | 1260 | <0.001 | <0.001 | <0.001 | <0.001 |
| | 8/9/05 | 60.22 | 102.57 | 322 | 75.7 | 1080 | <0.001 | <0.001 | <0.001 | <0.001 |
| | 11/1/05 | 60.45 | 102.57 | 300 | 63.2 | 986 | <0.001 | <0.001 | <0.001 | <0.001 |
| | 1/31/06 | 60.54 | 102.57 | 270 | 58.1 | 1000 | <0.001 | <0.001 | <0.001 | <0.001 |
| WQCC Standards | | | | 250 | 600 | 1000 | 0.01 | 0.75 | 0.75 | 0.62 |

Total Dissolved Solids (TDS), chloride, sulfate, and BTEX concentrations listed in milligrams per liter (mg/L).
Values in boldface type indicate concentrations exceed New Mexico Water Quality Commission (WQCC) standards.
BTOC - Below Top of Casing
--- Indicates parameter was not analyzed.

Figure 1
TDS, Chloride, Sulfate, and Depth to Groundwater Values Versus Time Graph
(Shallow MW-1)

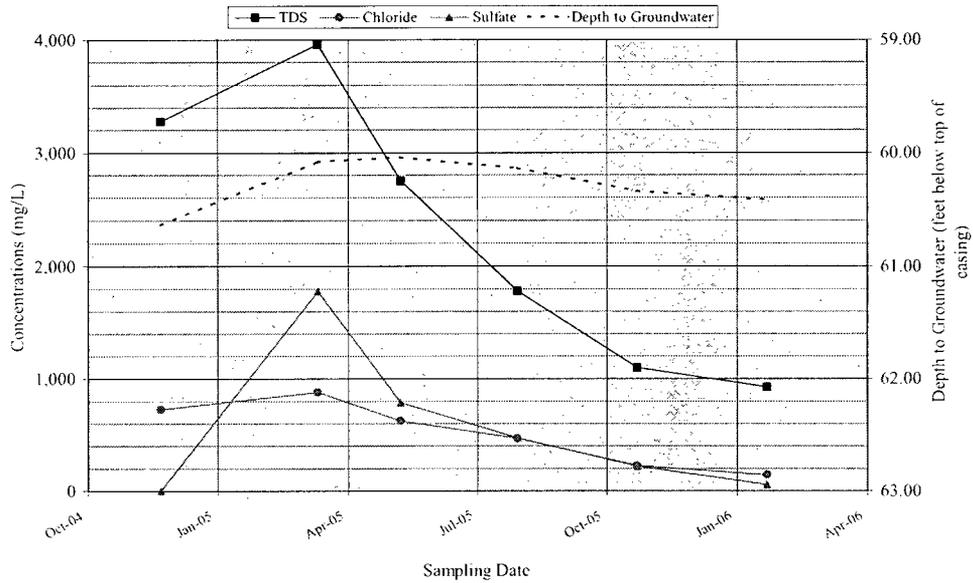
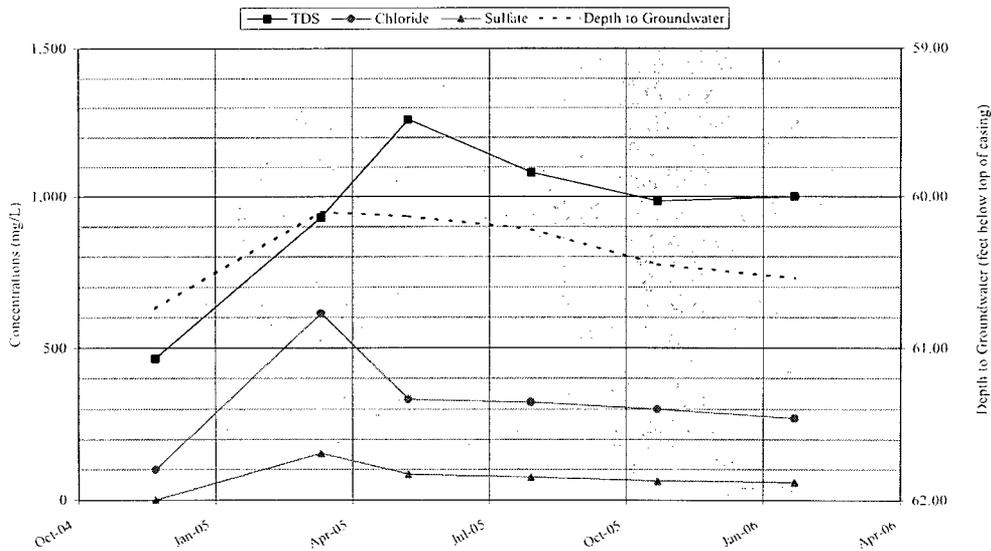


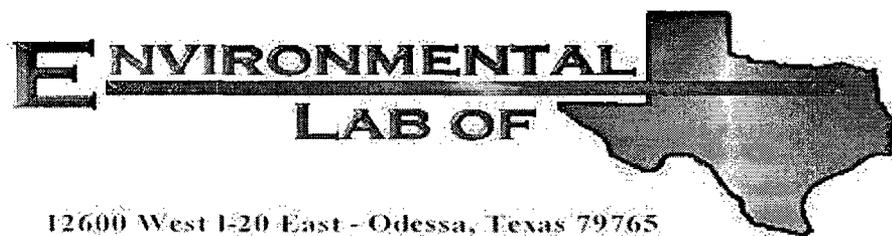
Figure 2
TDS, Chloride, Sulfate, and Depth to Groundwater Values Versus Time Graph
(Deep MW-1)



LABORATORY ANALYTICAL REPORTS

AND

CHAINS OF CUSTODY



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Kristin Pope

Rice Operating Co.

122 W. Taylor

Hobbs, NM 88240

Project: Hobbs Vent F-29-1A

Project Number: None Given

Location: Hobbs/ Lea County

Lab Order Number: 5C23007

Report Date: 04/05/05

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

Project: Hobbs Vent F-29-1A
Project Number: None Given
Project Manager: Kristin Pope

Fax: (505) 397-1471

Reported:
04/05/05 14:51

ANALYTICAL REPORT FOR SAMPLES

| <i>Sample ID</i> | <i>Laboratory ID</i> | <i>Matrix</i> | <i>Date Sampled</i> | <i>Date Received</i> |
|------------------|----------------------|---------------|---------------------|----------------------|
| SWB-1-1 | 5C23007-01 | Water | 03/22/05 15:35 | 03/23/05 08:00 |
| SWB-1-2 | 5C23007-02 | Water | 03/22/05 15:10 | 03/23/05 08:00 |

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

Project: Hobbs Vent F-29-1A
 Project Number: None Given
 Project Manager: Kristin Pope

Fax: (505) 397-1471

Reported:
 04/05/05 14:51

Organics by GC
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|--------|-----------------|-------|---------------|---------|----------|----------|-----------|-------|
| SWB-1-1 (5C23007-01) Water | | | | | | | | | |
| Benzene | ND | 0.00100 | mg/l. | 1 | EC52804 | 03/24/05 | 03/24/05 | EPA 8021B | |
| Toluene | ND | 0.00100 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.00100 | " | " | " | " | " | " | |
| Xylene (p/m) | ND | 0.00100 | " | " | " | " | " | " | |
| Xylene (o) | ND | 0.00100 | " | " | " | " | " | " | |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | | <i>114 %</i> | | <i>80-120</i> | | | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | <i>86.0 %</i> | | <i>80-120</i> | | | | | |

| | | | | | | | | | |
|--|----|---------------|------|---------------|---------|----------|----------|-----------|--|
| SWB-1-2 (5C23007-02) Water | | | | | | | | | |
| Benzene | ND | 0.00100 | mg/L | 1 | EC52804 | 03/24/05 | 03/24/05 | EPA 8021B | |
| Toluene | ND | 0.00100 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.00100 | " | " | " | " | " | " | |
| Xylene (p/m) | ND | 0.00100 | " | " | " | " | " | " | |
| Xylene (o) | ND | 0.00100 | " | " | " | " | " | " | |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | | <i>108 %</i> | | <i>80-120</i> | | | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | <i>81.0 %</i> | | <i>80-120</i> | | | | | |

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

Project: Hobbs Vent F-29-1A
Project Number: None Given
Project Manager: Kristin Pope

Fax: (505) 397-1471

Reported:
04/05/05 14:51

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

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------------|--------|-----------------|-------|----------|---------|----------|----------|------------|-------|
| SWB-1-1 (5C23007-01) Water | | | | | | | | | |
| Total Alkalinity | 144 | 2.00 | mg/L | 1 | EC52908 | 03/23/05 | 03/23/05 | EPA 310.2M | |
| Chloride | 613 | 5.00 | " | 10 | EC52513 | 03/24/05 | 03/24/05 | EPA 300.0 | |
| Total Dissolved Solids | 930 | 5.00 | " | 1 | EC52507 | 03/24/05 | 03/25/05 | EPA 160.1 | |
| Sulfate | 154 | 5.00 | " | 10 | EC52513 | 03/24/05 | 03/24/05 | EPA 300.0 | |
| SWB-1-2 (5C23007-02) Water | | | | | | | | | |
| Total Alkalinity | 574 | 2.00 | mg/L | 1 | EC52908 | 03/23/05 | 03/23/05 | EPA 310.2M | |
| Chloride | 879 | 25.0 | " | 50 | EC52513 | 03/24/05 | 03/24/05 | EPA 300.0 | |
| Total Dissolved Solids | 3960 | 5.00 | " | 1 | EC52507 | 03/24/05 | 03/25/05 | EPA 160.1 | |
| Sulfate | 1780 | 25.0 | " | 50 | EC52513 | 03/24/05 | 03/24/05 | EPA 300.0 | |

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

Project: Hobbs Vent F-29-1A
Project Number: None Given
Project Manager: Kristin Pope

Fax: (505) 397-1471

Reported:
04/05/05 14:51

Total Metals by EPA / Standard Methods
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

SWB-1-1 (5C23007-01) Water

| | | | | | | | | | |
|-----------|------|--------|------|-----|---------|----------|----------|-----------|--|
| Calcium | 168 | 1.00 | mg/L | 100 | EC53102 | 03/29/05 | 03/30/05 | EPA 6010B | |
| Magnesium | 26.4 | 0.0100 | " | 10 | " | " | " | " | |
| Sodium | 114 | 0.100 | " | " | " | " | " | " | |
| Potassium | 9.22 | 0.100 | " | 2 | EC53109 | 03/29/05 | 03/31/05 | " | |

SWB-1-2 (5C23007-02) Water

| | | | | | | | | | |
|-----------|------|--------|------|------|---------|----------|----------|-----------|--|
| Calcium | 36.4 | 0.100 | mg/L | 10 | EC53102 | 03/29/05 | 03/30/05 | EPA 6010B | |
| Magnesium | 41.9 | 0.0100 | " | " | " | " | " | " | |
| Sodium | 1840 | 10.0 | " | 1000 | " | " | " | " | |
| Potassium | 32.5 | 0.500 | " | 10 | EC53109 | 03/29/05 | 03/31/05 | " | |

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

Project: Hobbs Vent F-29-1A
Project Number: None Given
Project Manager: Kristin Pope

Fax: (505) 397-1471

Reported:
04/05/05 14:51

**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 EC52804 - EPA 5030C (GC)

| Blank (EC52804-BLK1) | | | | | | | | | | |
|-----------------------------------|------|---------|------|------|--|------|--------|--|--|--|
| Prepared & Analyzed: 03/24/05 | | | | | | | | | | |
| Benzene | ND | 0.00100 | mg/L | | | | | | | |
| Toluene | ND | 0.00100 | " | | | | | | | |
| Ethylbenzene | ND | 0.00100 | " | | | | | | | |
| Xylene (p/m) | ND | 0.00100 | " | | | | | | | |
| Xylene (o) | ND | 0.00100 | " | | | | | | | |
| Surrogate: a,a,a-Trifluorotoluene | 19.8 | | ug/l | 20.0 | | 99.0 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 17.3 | | " | 20.0 | | 86.5 | 80-120 | | | |

| LCS (EC52804-BS1) | | | | | | | | | | |
|-----------------------------------|------|--|------|------|--|------|--------|--|--|--|
| Prepared & Analyzed: 03/24/05 | | | | | | | | | | |
| Benzene | 100 | | ug/l | 100 | | 100 | 80-120 | | | |
| Toluene | 98.6 | | " | 100 | | 98.6 | 80-120 | | | |
| Ethylbenzene | 98.5 | | " | 100 | | 98.5 | 80-120 | | | |
| Xylene (p/m) | 201 | | " | 200 | | 100 | 80-120 | | | |
| Xylene (o) | 94.1 | | " | 100 | | 94.1 | 80-120 | | | |
| Surrogate: a,a,a-Trifluorotoluene | 22.2 | | " | 20.0 | | 111 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 16.5 | | " | 20.0 | | 82.5 | 80-120 | | | |

| LCS Dup (EC52804-BSD1) | | | | | | | | | | |
|-----------------------------------|------|--|------|------|--|------|--------|-------|----|--|
| Prepared & Analyzed: 03/24/05 | | | | | | | | | | |
| Benzene | 101 | | ug/l | 100 | | 101 | 80-120 | 0.995 | 20 | |
| Toluene | 99.0 | | " | 100 | | 99.0 | 80-120 | 0.405 | 20 | |
| Ethylbenzene | 97.8 | | " | 100 | | 97.8 | 80-120 | 0.713 | 20 | |
| Xylene (p/m) | 199 | | " | 200 | | 99.5 | 80-120 | 0.501 | 20 | |
| Xylene (o) | 99.5 | | " | 100 | | 99.5 | 80-120 | 5.58 | 20 | |
| Surrogate: a,a,a-Trifluorotoluene | 22.5 | | " | 20.0 | | 112 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 16.5 | | " | 20.0 | | 82.5 | 80-120 | | | |

| Calibration Check (EC52804-CCV1) | | | | | | | | | | |
|---|------|--|------|------|--|------|--------|--|--|--|
| Prepared: 03/24/05 Analyzed: 03/25/05 | | | | | | | | | | |
| Benzene | 98.8 | | ug/l | 100 | | 98.8 | 80-120 | | | |
| Toluene | 95.7 | | " | 100 | | 95.7 | 80-120 | | | |
| Ethylbenzene | 97.6 | | " | 100 | | 97.6 | 80-120 | | | |
| Xylene (p/m) | 192 | | " | 200 | | 96.0 | 80-120 | | | |
| Xylene (o) | 103 | | " | 100 | | 103 | 80-120 | | | |
| Surrogate: a,a,a-Trifluorotoluene | 22.0 | | " | 20.0 | | 110 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 18.4 | | " | 20.0 | | 92.0 | 80-120 | | | |

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

Project: Hobbs Vent F-29-1A
 Project Number: None Given
 Project Manager: Kristin Pope

Fax: (505) 397-1471

Reported:
 04/05/05 14:51

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 EC52804 - EPA 5030C (GC)

Matrix Spike (EC52804-MS1)

Source: 5C23005-01

Prepared: 03/24/05

Analyzed: 03/28/05

| | | | | | | | | | | |
|--|------|--|------|------|----|------|--------|--|--|--|
| Benzene | 95.1 | | ug/l | 100 | ND | 95.1 | 80-120 | | | |
| Toluene | 97.2 | | " | 100 | ND | 97.2 | 80-120 | | | |
| Ethylbenzene | 89.2 | | " | 100 | ND | 89.2 | 80-120 | | | |
| Xylene (p/m) | 183 | | " | 200 | ND | 91.5 | 80-120 | | | |
| Xylene (o) | 93.3 | | " | 100 | ND | 93.3 | 80-120 | | | |
| <i>Surrogate: a,a-Trifluorotoluene</i> | 22.0 | | " | 20.0 | | 110 | 80-120 | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 20.6 | | " | 20.0 | | 103 | 80-120 | | | |

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

Project: Hobbs Vent F-29-1A
Project Number: None Given
Project Manager: Kristin Pope

Fax: (505) 397-1471
Reported:
04/05/05 14:51

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

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

Batch EC52507 - General Preparation (WetChem)

| | | | | | | | | | |
|-----------------------------|----|---------------------------------------|------|--|--|--|--|--|--|
| Blank (EC52507-BLK1) | | Prepared: 03/24/05 Analyzed: 03/25/05 | | | | | | | |
| Total Dissolved Solids | ND | 5.00 | mg/L | | | | | | |

| | | | | | | | | | |
|---------------------------------|------|--|------|--|------|--|------|----|--|
| Duplicate (EC52507-DUP1) | | Source: 5C23001-01 Prepared: 03/24/05 Analyzed: 03/25/05 | | | | | | | |
| Total Dissolved Solids | 1140 | 5.00 | mg/L | | 1140 | | 0.00 | 20 | |

Batch EC52513 - General Preparation (WetChem)

| | | | | | | | | | |
|-----------------------------|----|-------------------------------|------|--|--|--|--|--|--|
| Blank (EC52513-BLK1) | | Prepared & Analyzed: 03/24/05 | | | | | | | |
| Sulfate | ND | 0.500 | mg/L | | | | | | |
| Chloride | ND | 0.500 | " | | | | | | |

| | | | | | | | | | |
|-----------------------------|----|-------------------------------|------|--|--|--|--|--|--|
| Blank (EC52513-BLK2) | | Prepared & Analyzed: 03/24/05 | | | | | | | |
| Chloride | ND | 0.500 | mg/L | | | | | | |
| Sulfate | ND | 0.500 | " | | | | | | |

| | | | | | | | | | |
|--------------------------|------|-------------------------------|------|------|--|------|--|--------|--|
| LCS (EC52513-BS1) | | Prepared & Analyzed: 03/24/05 | | | | | | | |
| Chloride | 10.4 | | mg/L | 10.0 | | 104 | | 80-120 | |
| Sulfate | 9.53 | | " | 10.0 | | 95.3 | | 80-120 | |

| | | | | | | | | | |
|--------------------------|------|-------------------------------|------|------|--|------|--|--------|--|
| LCS (EC52513-BS2) | | Prepared & Analyzed: 03/24/05 | | | | | | | |
| Chloride | 10.5 | | mg/L | 10.0 | | 105 | | 80-120 | |
| Sulfate | 9.80 | | " | 10.0 | | 98.0 | | 80-120 | |

| | | | | | | | | | |
|---|------|-------------------------------|------|------|--|------|--|--------|--|
| Calibration Check (EC52513-CCV1) | | Prepared & Analyzed: 03/24/05 | | | | | | | |
| Chloride | 10.6 | | mg/L | 10.0 | | 106 | | 80-120 | |
| Sulfate | 9.93 | | " | 10.0 | | 99.3 | | 80-120 | |

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

Project: Hobbs Vent F-29-1A
 Project Number: None Given
 Project Manager: Kristin Pope

Fax: (505) 397-1471
 Reported:
 04/05/05 14:51

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

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

Batch EC52513 - General Preparation (WetChem)

Calibration Check (EC52513-CCV2)

Prepared & Analyzed: 03/24/05

| | | | | | | | | | | |
|----------|------|--|------|------|--|------|--------|--|--|--|
| Sulfate | 9.80 | | mg/L | 10.0 | | 98.0 | 80-120 | | | |
| Chloride | 10.6 | | " | 10.0 | | 106 | 80-120 | | | |

Duplicate (EC52513-DUP1)

Source: 5C23001-01

Prepared & Analyzed: 03/24/05

| | | | | | | | | | | |
|----------|-----|------|------|--|-----|--|--|-------|----|--|
| Chloride | 216 | 5.00 | mg/L | | 215 | | | 0.464 | 20 | |
| Sulfate | 216 | 5.00 | " | | 215 | | | 0.464 | 20 | |

Duplicate (EC52513-DUP2)

Source: 5C23018-07

Prepared & Analyzed: 03/24/05

| | | | | | | | | | | |
|----------|------|------|------|--|------|--|--|-------|----|--|
| Chloride | 1540 | 12.5 | mg/L | | 1530 | | | 0.651 | 20 | |
| Sulfate | 163 | 12.5 | " | | 163 | | | 0.00 | 20 | |

Batch EC52908 - General Preparation (WetChem)

Blank (EC52908-BLK1)

Prepared & Analyzed: 03/23/05

| | | | | | | | | | | |
|------------------|----|------|------|--|--|--|--|--|--|--|
| Total Alkalinity | ND | 2.00 | mg/L | | | | | | | |
|------------------|----|------|------|--|--|--|--|--|--|--|

Calibration Check (EC52908-CCV1)

Prepared & Analyzed: 03/23/05

| | | | | | | | | | | |
|----------------------|--------|--|------|--------|--|-----|--------|--|--|--|
| Carbonate Alkalinity | 0.0500 | | mg/L | 0.0500 | | 100 | 80-120 | | | |
|----------------------|--------|--|------|--------|--|-----|--------|--|--|--|

Duplicate (EC52908-DUP1)

Source: 5C22002-01

Prepared & Analyzed: 03/23/05

| | | | | | | | | | | |
|------------------|-----|------|------|--|-----|--|--|-------|----|--|
| Total Alkalinity | 221 | 2.00 | mg/L | | 220 | | | 0.454 | 20 | |
|------------------|-----|------|------|--|-----|--|--|-------|----|--|

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

Project: Hobbs Vent F-29-1A
Project Number: None Given
Project Manager: Kristin Pope

Fax: (505) 397-1471

Reported:
04/05/05 14:51

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 EC53102 - 6010B/No Digestion

Blank (EC53102-BLK1)

Prepared: 03/29/05 Analyzed: 03/30/05

| | | | | | | | | | | |
|-----------|----|---------|------|--|--|--|--|--|--|--|
| Calcium | ND | 0.0100 | mg/L | | | | | | | |
| Magnesium | ND | 0.00100 | " | | | | | | | |
| Sodium | ND | 0.0100 | " | | | | | | | |

Calibration Check (EC53102-CCV1)

Prepared: 03/29/05 Analyzed: 03/30/05

| | | | | | | | | | | |
|-----------|------|--|------|------|--|------|--------|--|--|--|
| Calcium | 2.25 | | mg/L | 2.00 | | 112 | 85-115 | | | |
| Magnesium | 1.93 | | " | 2.00 | | 96.5 | 85-115 | | | |
| Sodium | 2.18 | | " | 2.00 | | 109 | 85-115 | | | |

Duplicate (EC53102-DUP1)

Source: 5C23001-01

Prepared: 03/29/05 Analyzed: 03/30/05

| | | | | | | | | | | |
|-----------|------|--------|------|--|------|--|--|------|----|--|
| Calcium | 47.7 | 0.100 | mg/L | | 51.6 | | | 7.85 | 20 | |
| Magnesium | 62.7 | 0.0200 | " | | 59.3 | | | 5.57 | 20 | |
| Sodium | 247 | 1.00 | " | | 252 | | | 2.00 | 20 | |

Batch EC53109 - 6010B/No Digestion

Blank (EC53109-BLK1)

Prepared: 03/29/05 Analyzed: 03/31/05

| | | | | | | | | | | |
|-----------|----|--------|------|--|--|--|--|--|--|--|
| Potassium | ND | 0.0500 | mg/L | | | | | | | |
|-----------|----|--------|------|--|--|--|--|--|--|--|

Calibration Check (EC53109-CCV1)

Prepared: 03/29/05 Analyzed: 03/31/05

| | | | | | | | | | | |
|-----------|------|--|------|------|--|-----|--------|--|--|--|
| Potassium | 2.02 | | mg/L | 2.00 | | 101 | 85-115 | | | |
|-----------|------|--|------|------|--|-----|--------|--|--|--|

Duplicate (EC53109-DUP1)

Source: 5C23001-01

Prepared: 03/29/05 Analyzed: 03/31/05

| | | | | | | | | | | |
|-----------|------|-------|------|--|------|--|--|------|----|--|
| Potassium | 10.1 | 0.500 | mg/L | | 10.7 | | | 5.77 | 20 | |
|-----------|------|-------|------|--|------|--|--|------|----|--|

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

Project: Hobbs Vent F-29-1A
Project Number: None Given
Project Manager: Kristin Pope

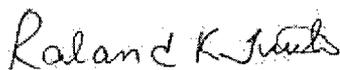
Fax: (505) 397-1471

Reported:
04/05/05 14:51

Notes and Definitions

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

Report Approved By:



Date:

4/5/2005

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

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

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

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

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

Client: Rice Operating

Date/Time: 3/23/05 10:15

Order #: 5023007

Initials: CL

Sample Receipt Checklist

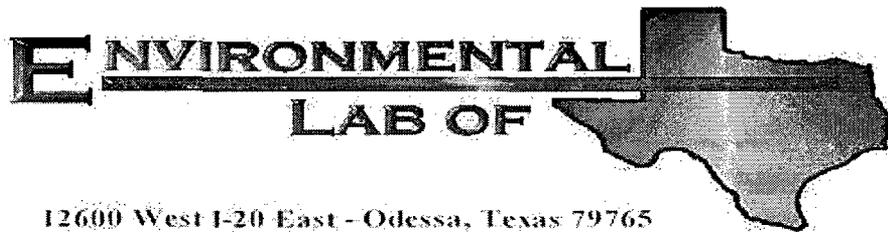
| | | | | |
|---|-------------------------------------|----|----------------|---|
| Temperature of container/cooler? | Yes | No | 0.5 | C |
| Shipping container/cooler in good condition? | <input checked="" type="checkbox"/> | No | | |
| Custody Seals intact on shipping container/cooler? | <input checked="" type="checkbox"/> | No | Not present | |
| Custody Seals intact on sample bottles? | <input checked="" type="checkbox"/> | No | Not present | |
| Chain of custody present? | <input checked="" type="checkbox"/> | No | | |
| Sample Instructions complete on Chain of Custody? | <input checked="" type="checkbox"/> | No | | |
| Chain of Custody signed when relinquished and received? | <input checked="" type="checkbox"/> | No | | |
| Chain of custody agrees with sample label(s) | <input checked="" type="checkbox"/> | No | | |
| Container labels legible and intact? | <input checked="" type="checkbox"/> | No | | |
| Sample Matrix and properties same as on chain of custody? | <input checked="" type="checkbox"/> | No | | |
| Samples in proper container/bottle? | <input checked="" type="checkbox"/> | No | | |
| Samples properly preserved? | <input checked="" type="checkbox"/> | No | | |
| Sample bottles intact? | <input checked="" type="checkbox"/> | No | | |
| Preservations documented on Chain of Custody? | <input checked="" type="checkbox"/> | No | | |
| Containers documented on Chain of Custody? | <input checked="" type="checkbox"/> | No | | |
| Sufficient sample amount for indicated test? | <input checked="" type="checkbox"/> | No | | |
| All samples received within sufficient hold time? | <input checked="" type="checkbox"/> | No | | |
| VOC samples have zero headspace? | <input checked="" type="checkbox"/> | No | Not Applicable | |

Other observations:

Variance Documentation:

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

Corrective Action Taken:



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

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

Project: Hobbs Vent F-29-1A
Project Number: None Given
Location: Hobbs

Lab Order Number: 5E23001

Report Date: 06/07/05

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

Project: Hobbs Vent F-29-1A
Project Number: None Given
Project Manager: Kristin Pope

Fax: (505) 397-1471

Reported:
06/07/05 14:10

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| SWD B-1-1 | 5E23001-01 | Water | 05/19/05 09:47 | 05/20/05 18:00 |
| SWD B-1-2 | 5E23001-02 | Water | 05/19/05 10:44 | 05/20/05 18:00 |

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

Project: Hobbs Vent F-29-1A
Project Number: None Given
Project Manager: Kristin Pope

Fax: (505) 397-1471

Reported:
06/07/05 14:10

Organics by GC
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|--------|-----------------|---------------|----------|----------|----------|----------|-----------|-------|
| SWD B-1-1 (5E23001-01) Water | | | | | | | | | |
| Benzene | ND | 0.00100 | mg/L | 1 | EE52313 | 05/23/05 | 05/23/05 | EPA 8021B | |
| Toluene | ND | 0.00100 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.00100 | " | " | " | " | " | " | |
| Xylene (p/m) | ND | 0.00100 | " | " | " | " | " | " | |
| Xylene (o) | ND | 0.00100 | " | " | " | " | " | " | |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | | <i>95.0 %</i> | <i>80-120</i> | | <i>"</i> | <i>"</i> | <i>"</i> | <i>"</i> | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | <i>96.0 %</i> | <i>80-120</i> | | <i>"</i> | <i>"</i> | <i>"</i> | <i>"</i> | |

| | | | | | | | | | |
|--|----|---------------|---------------|---|----------|----------|----------|-----------|--|
| SWD B-1-2 (5E23001-02) Water | | | | | | | | | |
| Benzene | ND | 0.00100 | mg/L | 1 | EE52313 | 05/23/05 | 05/23/05 | EPA 8021B | |
| Toluene | ND | 0.00100 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.00100 | " | " | " | " | " | " | |
| Xylene (p/m) | ND | 0.00100 | " | " | " | " | " | " | |
| Xylene (o) | ND | 0.00100 | " | " | " | " | " | " | |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | | <i>93.5 %</i> | <i>80-120</i> | | <i>"</i> | <i>"</i> | <i>"</i> | <i>"</i> | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | <i>97.0 %</i> | <i>80-120</i> | | <i>"</i> | <i>"</i> | <i>"</i> | <i>"</i> | |

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

Project: Hobbs Vent F-29-1A
Project Number: None Given
Project Manager: Kristin Pope

Fax: (505) 397-1471

Reported:
06/07/05 14:10

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

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------------|--------|-----------------|-------|----------|---------|----------|----------|------------|-------|
| SWD B-1-1 (5E23001-01) Water | | | | | | | | | |
| Total Alkalinity | 142 | 2.00 | mg/l. | 1 | EE52509 | 05/24/05 | 05/24/05 | EPA 310.2M | |
| Chloride | 332 | 5.00 | " | 10 | EE52503 | 05/24/05 | 05/24/05 | EPA 300.0 | |
| Total Dissolved Solids | 1260 | 5.00 | " | 1 | EE52507 | 05/23/05 | 05/23/05 | EPA 160.1 | |
| Sulfate | 84.5 | 5.00 | " | 10 | EE52503 | 05/24/05 | 05/24/05 | EPA 300.0 | |
| SWD B-1-2 (5E23001-02) Water | | | | | | | | | |
| Total Alkalinity | 440 | 2.00 | mg/l. | 1 | EE52509 | 05/24/05 | 05/24/05 | EPA 310.2M | |
| Chloride | 626 | 25.0 | " | 50 | EE52503 | 05/24/05 | 05/24/05 | EPA 300.0 | |
| Total Dissolved Solids | 2750 | 5.00 | " | 1 | EE52507 | 05/23/05 | 05/23/05 | EPA 160.1 | |
| Sulfate | 788 | 25.0 | " | 50 | EE52503 | 05/24/05 | 05/24/05 | EPA 300.0 | |

| | | |
|--|--|--|
| Rice Operating Co. 122 W. Taylor Hobbs NM, 88240 | Project: Hobbs Vent F-29-1A Project Number: None Given Project Manager: Kristin Pope | Fax: (505) 397-1471 Reported: 06/07/05 14:10 |
|--|--|--|

Total Metals by EPA / Standard Methods
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

SWD B-1-1 (SE23001-01) Water

| | | | | | | | | | |
|------------------|-------------|--------|------|----|---------|----------|----------|-----------|--|
| Calcium | 130 | 0.500 | mg/L | 50 | EE52518 | 05/25/05 | 05/25/05 | EPA 6010B | |
| Magnesium | 25.3 | 0.0100 | " | 10 | " | " | " | " | |
| Potassium | 5.92 | 0.0500 | " | 1 | " | " | " | " | |
| Sodium | 85.9 | 0.100 | " | 10 | " | " | " | " | |

SWD B-1-2 (SE23001-02) Water

| | | | | | | | | | |
|------------------|-------------|--------|------|-----|---------|----------|----------|-----------|--|
| Calcium | 71.4 | 0.100 | mg/L | 10 | EE52518 | 05/25/05 | 05/25/05 | EPA 6010B | |
| Magnesium | 31.0 | 0.0100 | " | " | " | " | " | " | |
| Potassium | 10.9 | 0.250 | " | 5 | " | " | " | " | |
| Sodium | 682 | 2.00 | " | 200 | " | " | " | " | |

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

Project: Hobbs Vent F-29-1A
Project Number: None Given
Project Manager: Kristin Pope

Fax: (505) 397-1471

Reported:
06/07/05 14:10

Organics by GC - Quality Control
Environmental Lab of Texas

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

Batch EE52313 - EPA 5030C (GC)

| Blank (EE52313-BLK1) | | Prepared & Analyzed: 05/23/05 | | | | | | | | |
|-----------------------------------|------|-------------------------------|------|------|--|------|--------|--|--|--|
| Benzene | ND | 0.00100 | mg/L | | | | | | | |
| Toluene | ND | 0.00100 | " | | | | | | | |
| Ethylbenzene | ND | 0.00100 | " | | | | | | | |
| Xylene (p/m) | ND | 0.00100 | " | | | | | | | |
| Xylene (o) | ND | 0.00100 | " | | | | | | | |
| Surrogate: a,a,a-Trifluorotoluene | 18.3 | | ug/l | 20.0 | | 91.5 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 21.1 | | " | 20.0 | | 106 | 80-120 | | | |

| LCS (EE52313-BS1) | | Prepared & Analyzed: 05/23/05 | | | | | | | | |
|-----------------------------------|------|-------------------------------|------|------|--|------|--------|--|--|--|
| Benzene | 94.6 | | ug/l | 100 | | 94.6 | 80-120 | | | |
| Toluene | 99.1 | | " | 100 | | 99.1 | 80-120 | | | |
| Ethylbenzene | 111 | | " | 100 | | 111 | 80-120 | | | |
| Xylene (p/m) | 224 | | " | 200 | | 112 | 80-120 | | | |
| Xylene (o) | 115 | | " | 100 | | 115 | 80-120 | | | |
| Surrogate: a,a,a-Trifluorotoluene | 20.3 | | " | 20.0 | | 102 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 22.4 | | " | 20.0 | | 112 | 80-120 | | | |

| Calibration Check (EE52313-CCV1) | | Prepared: 05/23/05 Analyzed: 05/24/05 | | | | | | | | |
|---|------|---------------------------------------|------|------|--|------|--------|--|--|--|
| Benzene | 84.6 | | ug/l | 100 | | 84.6 | 80-120 | | | |
| Toluene | 92.8 | | " | 100 | | 92.8 | 80-120 | | | |
| Ethylbenzene | 91.1 | | " | 100 | | 91.1 | 80-120 | | | |
| Xylene (p/m) | 182 | | " | 200 | | 91.0 | 80-120 | | | |
| Xylene (o) | 87.9 | | " | 100 | | 87.9 | 80-120 | | | |
| Surrogate: a,a,a-Trifluorotoluene | 17.3 | | " | 20.0 | | 86.5 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 19.4 | | " | 20.0 | | 97.0 | 80-120 | | | |

| Matrix Spike (EE52313-MS1) | | Source: 5E23008-05 | Prepared: 05/23/05 Analyzed: 05/24/05 | | | | | | | |
|-----------------------------------|------|--------------------|---------------------------------------|------|----|------|--------|--|--|--|
| Benzene | 92.0 | | ug/l | 100 | ND | 92.0 | 80-120 | | | |
| Toluene | 91.8 | | " | 100 | ND | 91.8 | 80-120 | | | |
| Ethylbenzene | 90.0 | | " | 100 | ND | 90.0 | 80-120 | | | |
| Xylene (p/m) | 192 | | " | 200 | ND | 96.0 | 80-120 | | | |
| Xylene (o) | 93.5 | | " | 100 | ND | 93.5 | 80-120 | | | |
| Surrogate: a,a,a-Trifluorotoluene | 18.3 | | " | 20.0 | | 91.5 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 22.8 | | " | 20.0 | | 114 | 80-120 | | | |

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

Project: Hobbs Vent F-29-1A
 Project Number: None Given
 Project Manager: Kristin Pope

Fax: (505) 397-1471

Reported:
 06/07/05 14:10

Organics by GC - Quality Control
Environmental Lab of Texas

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

Batch EE52313 - EPA 5030C (GC)

Matrix Spike Dup (EE52313-MSD1)

Source: 5E23008-05

Prepared: 05/23/05 Analyzed: 05/24/05

| | | | | | | | | | | |
|-----------------------------------|------|--|------|------|----|------|--------|-------|----|--|
| Benzene | 92.6 | | ug/l | 100 | ND | 92.6 | 80-120 | 0.650 | 20 | |
| Toluene | 93.5 | | " | 100 | ND | 93.5 | 80-120 | 1.83 | 20 | |
| Ethylbenzene | 94.9 | | " | 100 | ND | 94.9 | 80-120 | 5.30 | 20 | |
| Xylene (p/m) | 187 | | " | 200 | ND | 93.5 | 80-120 | 2.64 | 20 | |
| Xylene (o) | 95.2 | | " | 100 | ND | 95.2 | 80-120 | 1.80 | 20 | |
| Surrogate: a,a,a-Trifluorotoluene | 18.0 | | " | 20.0 | | 90.0 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 23.0 | | " | 20.0 | | 115 | 80-120 | | | |

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

Project: Hobbs Vent F-29-1A
Project Number: None Given
Project Manager: Kristin Pope

Fax: (505) 397-1471

Reported:
06/07/05 14:10

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

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

Batch EE52503 - General Preparation (WetChem)

Blank (EE52503-BLK1)

Prepared & Analyzed: 05/24/05

| | | | | | | | | | | |
|----------|----|-------|------|--|--|--|--|--|--|--|
| Sulfate | ND | 0.500 | mg/L | | | | | | | |
| Chloride | ND | 0.500 | " | | | | | | | |

LCS (EE52503-BS1)

Prepared & Analyzed: 05/24/05

| | | | | | | | | | | |
|----------|------|--|------|------|--|------|--------|--|--|--|
| Chloride | 10.5 | | mg/L | 10.0 | | 105 | 80-120 | | | |
| Sulfate | 9.69 | | " | 10.0 | | 96.9 | 80-120 | | | |

Calibration Check (EE52503-CCV1)

Prepared & Analyzed: 05/24/05

| | | | | | | | | | | |
|----------|------|--|------|------|--|------|--------|--|--|--|
| Chloride | 10.8 | | mg/L | 10.0 | | 108 | 80-120 | | | |
| Sulfate | 9.24 | | " | 10.0 | | 92.4 | 80-120 | | | |

Duplicate (EE52503-DUP1)

Source: 5E20008-01

Prepared & Analyzed: 05/24/05

| | | | | | | | | | | |
|----------|-----|------|------|--|-----|--|--|-------|----|--|
| Chloride | 345 | 10.0 | mg/L | | 347 | | | 0.578 | 20 | |
| Sulfate | 462 | 10.0 | " | | 478 | | | 3.40 | 20 | |

Batch EE52507 - Filtration Preparation

Blank (EE52507-BLK1)

Prepared & Analyzed: 05/23/05

| | | | | | | | | | | |
|------------------------|----|------|------|--|--|--|--|--|--|--|
| Total Dissolved Solids | ND | 5.00 | mg/L | | | | | | | |
|------------------------|----|------|------|--|--|--|--|--|--|--|

Duplicate (EE52507-DUP1)

Source: 5E19012-01

Prepared & Analyzed: 05/23/05

| | | | | | | | | | | |
|------------------------|-----|------|------|--|-----|--|--|-------|----|--|
| Total Dissolved Solids | 704 | 5.00 | mg/L | | 699 | | | 0.713 | 20 | |
|------------------------|-----|------|------|--|-----|--|--|-------|----|--|

Batch EE52509 - General Preparation (WetChem)

Blank (EE52509-BLK1)

Prepared & Analyzed: 05/24/05

| | | | | | | | | | | |
|------------------|----|------|------|--|--|--|--|--|--|--|
| Total Alkalinity | ND | 2.00 | mg/L | | | | | | | |
|------------------|----|------|------|--|--|--|--|--|--|--|

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

Project: Hobbs Vent F-29-1A
Project Number: None Given
Project Manager: Kristin Pope

Fax: (505) 397-1471
Reported:
06/07/05 14:10

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

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

Batch EE52509 - General Preparation (WetChem)

Duplicate (EE52509-DUP1)

Source: 5E19001-01

Prepared & Analyzed: 05/24/05

| | | | | | | | | | | |
|------------------|-----|-----|------|--|-----|--|--|-------|----|--|
| Total Alkalinity | 215 | 200 | mg/L | | 214 | | | 0.466 | 20 | |
|------------------|-----|-----|------|--|-----|--|--|-------|----|--|

Reference (EE52509-SRM1)

Prepared & Analyzed: 05/24/05

| | | | | | | | | | | |
|------------------------|-----|--|------|-----|--|-----|--------|--|--|--|
| Bicarbonate Alkalinity | 230 | | mg/L | 200 | | 115 | 80-120 | | | |
|------------------------|-----|--|------|-----|--|-----|--------|--|--|--|

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

Project: Hobbs Vent F-29-1A
Project Number: None Given
Project Manager: Kristin Pope

Fax: (505) 397-1471

Reported:
06/07/05 14:10

Total Metals by EPA / Standard Methods - Quality Control
Environmental Lab of Texas

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

Batch EE52518 - 6010B/No Digestion

| Blank (EE52518-BLK1) | | Prepared & Analyzed: 05/25/05 | | | | | | | | |
|-----------------------------|----|-------------------------------|------|--|--|--|--|--|--|--|
| Calcium | ND | 0.0100 | mg/L | | | | | | | |
| Magnesium | ND | 0.00100 | " | | | | | | | |
| Potassium | ND | 0.0500 | " | | | | | | | |
| Sodium | ND | 0.0100 | " | | | | | | | |

| Blank (EE52518-BLK2) | | Prepared & Analyzed: 05/25/05 | | | | | | | | |
|-----------------------------|----|-------------------------------|------|--|--|--|--|--|--|--|
| Calcium | ND | 0.0100 | mg/L | | | | | | | |
| Magnesium | ND | 0.00100 | " | | | | | | | |
| Potassium | ND | 0.0500 | " | | | | | | | |
| Sodium | ND | 0.0100 | " | | | | | | | |

| Calibration Check (EE52518-CCV1) | | Prepared & Analyzed: 05/25/05 | | | | | | | | |
|---|------|-------------------------------|------|------|--|------|--------|--|--|--|
| Calcium | 1.86 | | mg/L | 2.00 | | 93.0 | 85-115 | | | |
| Magnesium | 2.10 | | " | 2.00 | | 105 | 85-115 | | | |
| Potassium | 1.93 | | " | 2.00 | | 96.5 | 85-115 | | | |
| Sodium | 2.18 | | " | 2.00 | | 109 | 85-115 | | | |

| Duplicate (EE52518-DUP1) | | Source: 5E19001-01 | | Prepared & Analyzed: 05/25/05 | | | | | | |
|---------------------------------|------|--------------------|------|-------------------------------|------|--|--|-------|----|--|
| Calcium | 51.6 | 0.500 | mg/L | | 56.0 | | | 8.18 | 20 | |
| Magnesium | 26.4 | 0.0100 | " | | 27.2 | | | 2.99 | 20 | |
| Potassium | 5.70 | 0.0500 | " | | 5.69 | | | 0.176 | 20 | |
| Sodium | 109 | 0.100 | " | | 110 | | | 0.913 | 20 | |

| Duplicate (EE52518-DUP2) | | Source: 5E24016-01 | | Prepared & Analyzed: 05/25/05 | | | | | | |
|---------------------------------|------|--------------------|------|-------------------------------|------|--|--|-------|----|--|
| Calcium | 90.2 | 0.100 | mg/L | | 89.5 | | | 0.779 | 20 | |
| Magnesium | 50.6 | 0.0100 | " | | 50.5 | | | 0.198 | 20 | |
| Potassium | 10.7 | 0.500 | " | | 11.0 | | | 2.76 | 20 | |
| Sodium | 244 | 0.500 | " | | 248 | | | 1.63 | 20 | |

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

Project: Hobbs Vent F-29-1A
Project Number: None Given
Project Manager: Kristin Pope

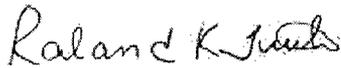
Fax: (505) 397-1471

Reported:
06/07/05 14:10

Notes and Definitions

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

Report Approved By:



Date:

6/7/2005

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

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

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

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

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

Client: Rice Operating

Date/Time: 5/20/05 18:00

Order #: 5E23001

Initials: CR

Sample Receipt Checklist

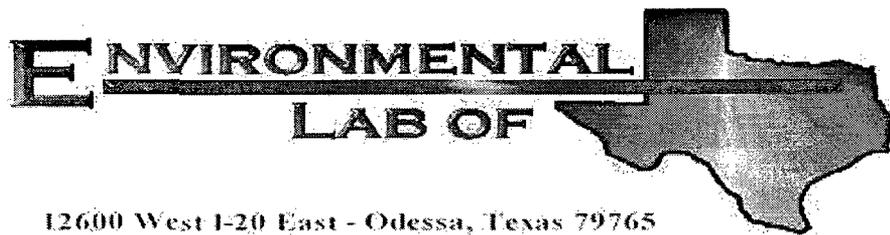
| | Yes | No | |
|---|-------------------------------------|----|----------------|
| Temperature of container/cooler? | | | 7.5 C |
| Shipping container/cooler in good condition? | <input checked="" type="checkbox"/> | No | |
| Custody Seals intact on shipping container/cooler? | <input checked="" type="checkbox"/> | No | Not present |
| Custody Seals intact on sample bottles? | <input checked="" type="checkbox"/> | No | Not present |
| Chain of custody present? | <input checked="" type="checkbox"/> | No | |
| Sample Instructions complete on Chain of Custody? | <input checked="" type="checkbox"/> | No | |
| Chain of Custody signed when relinquished and received? | <input checked="" type="checkbox"/> | No | |
| Chain of custody agrees with sample label(s) | <input checked="" type="checkbox"/> | No | |
| Container labels legible and intact? | <input checked="" type="checkbox"/> | No | |
| Sample Matrix and properties same as on chain of custody? | <input checked="" type="checkbox"/> | No | |
| Samples in proper container/bottle? | <input checked="" type="checkbox"/> | No | |
| Samples properly preserved? | <input checked="" type="checkbox"/> | No | |
| Sample bottles intact? | <input checked="" type="checkbox"/> | No | |
| Preservations documented on Chain of Custody? | <input checked="" type="checkbox"/> | No | |
| Containers documented on Chain of Custody? | <input checked="" type="checkbox"/> | No | |
| Sufficient sample amount for indicated test? | <input checked="" type="checkbox"/> | No | |
| All samples received within sufficient hold time? | <input checked="" type="checkbox"/> | No | |
| VOC samples have zero headspace? | <input checked="" type="checkbox"/> | No | Not Applicable |

Other observations:

Variance Documentation:

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

Corrective Action Taken:



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

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

Project: Hobbs Vent F-29-1A
Project Number: None Given
Location: Hobbs

Lab Order Number: 5H09005

Report Date: 08/24/05

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

Project: Hobbs Vent F-29-1A
Project Number: None Given
Project Manager: Kristin Pope

Fax: (505) 397-1471

Reported:
08/24/05 08:42

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-------------------------|---------------|--------|----------------|----------------|
| Monitor Well #SWD B-1-1 | 5H09005-01 | Water | 08/09/05 08:50 | 08/09/05 15:12 |
| Monitor Well #SWD B-1-2 | 5H09005-02 | Water | 08/09/05 09:20 | 08/09/05 15:12 |

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

Project: Hobbs Vent F-29-1A
Project Number: None Given
Project Manager: Kristin Pope

Fax: (505) 397-1471

Reported:
08/24/05 08:42

Organics by GC
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|--------|-----------------|--------|----------|---------|----------|----------|-----------|-------|
| Monitor Well #SWD B-1-1 (5H09005-01) Water | | | | | | | | | |
| Benzene | ND | 0.00100 | mg/L | 1 | EH51001 | 08/10/05 | 08/10/05 | EPA 8021B | |
| Toluene | ND | 0.00100 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.00100 | " | " | " | " | " | " | |
| Xylene (p/m) | ND | 0.00100 | " | " | " | " | " | " | |
| Xylene (o) | ND | 0.00100 | " | " | " | " | " | " | |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | | 95.1 % | 80-120 | " | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 87.0 % | 80-120 | " | " | " | " | " | |

Monitor Well #SWD B-1-2 (5H09005-02) Water

| | | | | | | | | | |
|--|----|---------|--------|---|---------|----------|----------|-----------|--|
| Benzene | ND | 0.00100 | mg/L | 1 | EH51001 | 08/10/05 | 08/10/05 | EPA 8021B | |
| Toluene | ND | 0.00100 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.00100 | " | " | " | " | " | " | |
| Xylene (p/m) | ND | 0.00100 | " | " | " | " | " | " | |
| Xylene (o) | ND | 0.00100 | " | " | " | " | " | " | |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | | 86.7 % | 80-120 | " | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 87.5 % | 80-120 | " | " | " | " | " | |

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

Project: Hobbs Vent F-29-1A
Project Number: None Given
Project Manager: Kristin Pope

Fax: (505) 397-1471

Reported:
08/24/05 08:42

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

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|--------|-----------------|-------|----------|---------|----------|----------|------------|-------|
| Monitor Well #SWD B-1-1 (51109005-01) Water | | | | | | | | | |
| Total Alkalinity | 140 | 2.00 | mg/L | 1 | EH51207 | 08/10/05 | 08/10/05 | EPA 310.2M | |
| Chloride | 322 | 5.00 | " | 10 | EH51906 | 08/15/05 | 08/15/05 | EPA 300.0 | |
| Total Dissolved Solids | 1080 | 5.00 | " | 1 | EH51002 | 08/10/05 | 08/11/05 | EPA 160.1 | |
| Sulfate | 75.7 | 5.00 | " | 10 | EH51906 | 08/15/05 | 08/15/05 | EPA 300.0 | |
| Monitor Well #SWD B-1-2 (51109005-02) Water | | | | | | | | | |
| Total Alkalinity | 332 | 2.00 | mg/L | 1 | EH51207 | 08/10/05 | 08/10/05 | EPA 310.2M | |
| Chloride | 470 | 12.5 | " | 25 | EH51906 | 08/15/05 | 08/15/05 | EPA 300.0 | |
| Total Dissolved Solids | 1780 | 5.00 | " | 1 | EH51002 | 08/10/05 | 08/11/05 | EPA 160.1 | |
| Sulfate | 475 | 12.5 | " | 25 | EH51906 | 08/15/05 | 08/15/05 | EPA 300.0 | |

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

Project: Hobbs Vent F-29-1A
Project Number: None Given
Project Manager: Kristin Pope

Fax: (505) 397-1471

Reported:
08/24/05 08:42

Total Metals by EPA / Standard Methods
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

Monitor Well #SWD B-1-1 (5H09005-01) Water

| | | | | | | | | | |
|-----------|------|--------|------|----|---------|----------|----------|-----------|--|
| Calcium | 153 | 0.500 | mg/L | 50 | EHS1103 | 08/11/05 | 08/11/05 | EPA 6010B | |
| Magnesium | 24.7 | 0.0100 | " | 10 | " | " | " | " | |
| Potassium | 5.92 | 0.0500 | " | 1 | " | " | " | " | |
| Sodium | 81.4 | 0.100 | " | 10 | " | " | " | " | |

Monitor Well #SWD B-1-2 (5H09005-02) Water

| | | | | | | | | | |
|-----------|------|--------|------|-----|---------|----------|----------|-----------|--|
| Calcium | 142 | 0.500 | mg/L | 50 | EHS1103 | 08/11/05 | 08/11/05 | EPA 6010B | |
| Magnesium | 32.6 | 0.0100 | " | 10 | " | " | " | " | |
| Potassium | 6.92 | 0.250 | " | 5 | " | " | " | " | |
| Sodium | 477 | 2.00 | " | 200 | " | " | " | " | |

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

Project: Hobbs Vent F-29-1A
Project Number: None Given
Project Manager: Kristin Pope

Fax: (505) 397-1471

Reported:
08/24/05 08:42

**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 EH51001 - EPA 5030C (GC)

Blank (EH51001-BLK1)

Prepared & Analyzed: 08/10/05

| | | | | | | | | | | |
|-----------------------------------|------|---------|------|-----|--|------|--------|--|--|--|
| Benzene | ND | 0.00100 | mg/L | | | | | | | |
| Toluene | ND | 0.00100 | " | | | | | | | |
| Ethylbenzene | ND | 0.00100 | " | | | | | | | |
| Nylene (p/m) | ND | 0.00100 | " | | | | | | | |
| Nylene (o) | ND | 0.00100 | " | | | | | | | |
| Surrogate: a,a,a-Trifluorotoluene | 98.2 | | ug/l | 100 | | 98.2 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 89.7 | | " | 100 | | 89.7 | 80-120 | | | |

LCS (EH51001-BS1)

Prepared & Analyzed: 08/10/05

| | | | | | | | | | | |
|-----------------------------------|------|--|------|-----|--|------|--------|--|--|--|
| Benzene | 89.3 | | ug/l | 100 | | 89.3 | 80-120 | | | |
| Toluene | 92.2 | | " | 100 | | 92.2 | 80-120 | | | |
| Ethylbenzene | 91.4 | | " | 100 | | 91.4 | 80-120 | | | |
| Nylene (p/m) | 185 | | " | 200 | | 92.5 | 80-120 | | | |
| Nylene (o) | 85.5 | | " | 100 | | 85.5 | 80-120 | | | |
| Surrogate: a,a,a-Trifluorotoluene | 116 | | " | 100 | | 116 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 115 | | " | 100 | | 115 | 80-120 | | | |

Calibration Check (EH51001-CCV1)

Prepared & Analyzed: 08/10/05

| | | | | | | | | | | |
|-----------------------------------|------|--|------|-----|--|------|--------|--|--|--|
| Benzene | 97.2 | | ug/l | 100 | | 97.2 | 80-120 | | | |
| Toluene | 95.9 | | " | 100 | | 95.9 | 80-120 | | | |
| Ethylbenzene | 89.1 | | " | 100 | | 89.1 | 80-120 | | | |
| Nylene (p/m) | 179 | | " | 200 | | 89.5 | 80-120 | | | |
| Nylene (o) | 81.7 | | " | 100 | | 81.7 | 80-120 | | | |
| Surrogate: a,a,a-Trifluorotoluene | 117 | | " | 100 | | 117 | 0-200 | | | |
| Surrogate: 4-Bromofluorobenzene | 117 | | " | 100 | | 117 | 0-200 | | | |

Matrix Spike (EH51001-MS1)

Source: 5H03013-01

Prepared: 08/10/05 Analyzed: 08/11/05

| | | | | | | | | | | |
|-----------------------------------|------|--|------|-----|----|------|--------|--|--|--|
| Benzene | 98.7 | | ug/l | 100 | ND | 98.7 | 80-120 | | | |
| Toluene | 99.4 | | " | 100 | ND | 99.4 | 80-120 | | | |
| Ethylbenzene | 99.9 | | " | 100 | ND | 99.9 | 80-120 | | | |
| Nylene (p/m) | 202 | | " | 200 | ND | 101 | 80-120 | | | |
| Nylene (o) | 92.7 | | " | 100 | ND | 92.7 | 80-120 | | | |
| Surrogate: a,a,a-Trifluorotoluene | 90.6 | | " | 100 | | 90.6 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 103 | | " | 100 | | 103 | 80-120 | | | |

Environmental Lab of Texas

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

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

Project: Hobbs Vent F-29-1A
 Project Number: None Given
 Project Manager: Kristin Pope

Fax: (505) 397-1471
 Reported:
 08/24/05 08:42

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 EH51001 - EPA 5030C (GC)

| Matrix Spike Dup (EH51001-MSD1) | Source: 5H03013-01 | | | Prepared: 08/10/05 Analyzed: 08/11/05 | | | | | | |
|--|---------------------------|--|----------|--|----|-------------|---------------|------|----|--|
| Benzene | 90.5 | | ug/l | 100 | ND | 90.5 | 80-120 | 8.67 | 20 | |
| Toluene | 93.1 | | " | 100 | ND | 93.1 | 80-120 | 6.55 | 20 | |
| Ethylbenzene | 93.7 | | " | 100 | ND | 93.7 | 80-120 | 6.40 | 20 | |
| Xylene (p/m) | 188 | | " | 200 | ND | 94.0 | 80-120 | 7.18 | 20 | |
| Xylene (o) | 87.9 | | " | 100 | ND | 87.9 | 80-120 | 5.32 | 20 | |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | <i>86.9</i> | | <i>"</i> | <i>100</i> | | <i>86.9</i> | <i>80-120</i> | | | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>93.4</i> | | <i>"</i> | <i>100</i> | | <i>93.4</i> | <i>80-120</i> | | | |

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

Project: Hobbs Vent F-29-1A
Project Number: None Given
Project Manager: Kristin Pope

Fax: (505) 397-1471

Reported:
08/24/05 08:42

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 EH51002 - General Preparation (WetChem)

Blank (EH51002-BLK1) Prepared: 08/10/05 Analyzed: 08/11/05

| | | | | | | | | | | |
|------------------------|----|------|------|--|--|--|--|--|--|--|
| Total Dissolved Solids | ND | 5.00 | mg/L | | | | | | | |
|------------------------|----|------|------|--|--|--|--|--|--|--|

Duplicate (EH51002-DUP1) Source: 5H09005-01 Prepared: 08/10/05 Analyzed: 08/11/05

| | | | | | | | | | | |
|------------------------|------|------|------|--|------|--|--|------|---|--|
| Total Dissolved Solids | 1120 | 5.00 | mg/L | | 1080 | | | 3.64 | 5 | |
|------------------------|------|------|------|--|------|--|--|------|---|--|

Batch EH51207 - General Preparation (WetChem)

Blank (EH51207-BLK1) Prepared & Analyzed: 08/10/05

| | | | | | | | | | | |
|------------------|----|------|------|--|--|--|--|--|--|--|
| Total Alkalinity | ND | 2.00 | mg/L | | | | | | | |
|------------------|----|------|------|--|--|--|--|--|--|--|

Duplicate (EH51207-DUP1) Source: 5H09005-01 Prepared & Analyzed: 08/10/05

| | | | | | | | | | | |
|------------------|-----|------|------|--|-----|--|--|------|----|--|
| Total Alkalinity | 137 | 2.00 | mg/L | | 140 | | | 2.17 | 20 | |
|------------------|-----|------|------|--|-----|--|--|------|----|--|

Reference (EH51207-SRMI) Prepared & Analyzed: 08/10/05

| | | | | | | | | | | |
|------------------------|-----|--|------|-----|--|-----|--------|--|--|--|
| Bicarbonate Alkalinity | 230 | | mg/L | 200 | | 115 | 80-120 | | | |
|------------------------|-----|--|------|-----|--|-----|--------|--|--|--|

Batch EH51906 - General Preparation (WetChem)

Blank (EH51906-BLK1) Prepared & Analyzed: 08/15/05

| | | | | | | | | | | |
|---------|----|-------|------|--|--|--|--|--|--|--|
| Sulfate | ND | 0.500 | mg/L | | | | | | | |
|---------|----|-------|------|--|--|--|--|--|--|--|

| | | | | | | | | | | |
|----------|----|-------|---|--|--|--|--|--|--|--|
| Chloride | ND | 0.500 | " | | | | | | | |
|----------|----|-------|---|--|--|--|--|--|--|--|

LCS (EH51906-BS1) Prepared & Analyzed: 08/15/05

| | | | | | | | | | | |
|----------|------|--|------|------|--|------|--------|--|--|--|
| Chloride | 8.36 | | mg/L | 10.0 | | 83.6 | 80-120 | | | |
|----------|------|--|------|------|--|------|--------|--|--|--|

| | | | | | | | | | | |
|---------|------|--|---|------|--|------|--------|--|--|--|
| Sulfate | 9.43 | | " | 10.0 | | 94.3 | 80-120 | | | |
|---------|------|--|---|------|--|------|--------|--|--|--|

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

Project: Hobbs Vent F-29-1A
Project Number: None Given
Project Manager: Kristin Pope

Fax: (505) 397-1471

Reported:
08/24/05 08:42

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 EH51906 - General Preparation (WetChem)

Calibration Check (EH51906-CCV1)

Prepared & Analyzed: 08/15/05

| | | | | | | | | | | |
|----------|------|--|------|------|--|------|--------|--|--|--|
| Chloride | 9.85 | | mg/L | 10.0 | | 98.5 | 80-120 | | | |
| Sulfate | 11.4 | | " | 10.0 | | 114 | 80-120 | | | |

Duplicate (EH51906-DUP1)

Source: 5H09007-02

Prepared & Analyzed: 08/15/05

| | | | | | | | | | | |
|----------|-----|------|------|--|-----|--|--|-------|----|--|
| Chloride | 202 | 5.00 | mg/L | | 203 | | | 0.494 | 20 | |
| Sulfate | 122 | 5.00 | " | | 122 | | | 0.00 | 20 | |

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

Project: Hobbs Vent F-29-1A
Project Number: None Given
Project Manager: Kristin Pope

Fax: (505) 397-1471

Reported:
08/24/05 08:42

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 EH51103 - 6010B/No Digestion

Blank (EH51103-BLK1)

Prepared & Analyzed: 08/11/05

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

Calibration Check (EH51103-CCV1)

Prepared & Analyzed: 08/11/05

| | | | | | | | | | | |
|-----------|------|--|------|------|--|------|--------|--|--|--|
| Calcium | 1.95 | | mg/L | 2.00 | | 97.5 | 85-115 | | | |
| Magnesium | 2.17 | | " | 2.00 | | 108 | 85-115 | | | |
| Potassium | 1.90 | | " | 2.00 | | 95.0 | 85-115 | | | |
| Sodium | 1.84 | | " | 2.00 | | 92.0 | 85-115 | | | |

Duplicate (EH51103-DUP1)

Source: 5H09005-01

Prepared & Analyzed: 08/11/05

| | | | | | | | | | | |
|-----------|------|--------|------|--|------|--|--|-------|----|--|
| Calcium | 148 | 0.500 | mg/L | | 153 | | | 3.32 | 20 | |
| Magnesium | 24.3 | 0.0100 | " | | 24.7 | | | 1.63 | 20 | |
| Potassium | 5.97 | 0.0500 | " | | 5.92 | | | 0.841 | 20 | |
| Sodium | 80.0 | 0.100 | " | | 81.4 | | | 1.73 | 20 | |

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

Project: Hobbs Vent F-29-1A
Project Number: None Given
Project Manager: Kristin Pope

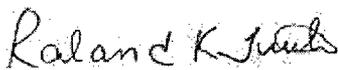
Fax: (505) 397-1471

Reported:
08/24/05 08:42

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:

8/24/2005

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

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

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

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

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

Client: Rice Op.
 Date/Time: 8/9/05 15:12
 Order #: 5H109005
 Initials: CR

Sample Receipt Checklist

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

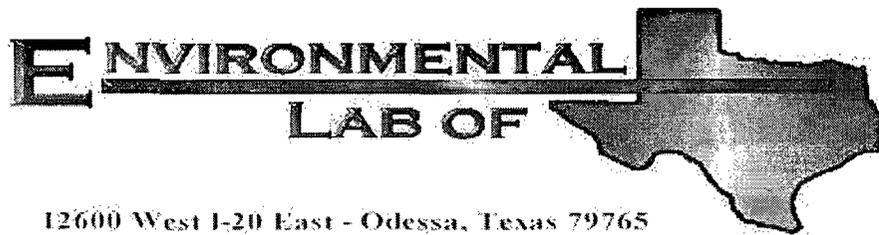
Other observations:

H09005-01-02 Neutral pH 8/9/05

Variance Documentation:

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

Corrective Action Taken:



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

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

Project: Hobbs Jct. F-29-1A
Project Number: None Given
Location: Lea County

Lab Order Number: 5K02010

Report Date: 11/11/05

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

Project: Hobbs Jct. F-29-1A
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
11/11/05 12:15

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|--------------|---------------|--------|----------------|----------------|
| MW-1 Deep | 5K02010-01 | Water | 11/01/05 09:45 | 11/02/05 14:05 |
| MW-2 Shallow | 5K02010-02 | Water | 11/01/05 10:25 | 11/02/05 14:05 |

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

Project: Hobbs Jct. F-29-1A
 Project Number: None Given
 Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471
 Reported:
 11/11/05 12:15

Organics by GC
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|--------|-----------------|--------|----------|---------|----------|----------|-----------|-------|
| MW-1 Deep (5K02010-01) Water | | | | | | | | | |
| Benzene | ND | 0.00100 | mg/L | 1 | EK50810 | 11/08/05 | 11/09/05 | EPA 8021B | |
| Toluene | ND | 0.00100 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.00100 | " | " | " | " | " | " | |
| Xylene (p/m) | ND | 0.00100 | " | " | " | " | " | " | |
| Xylene (o) | ND | 0.00100 | " | " | " | " | " | " | |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | | 83.8 % | 80-120 | " | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 97.0 % | 80-120 | " | " | " | " | " | |
| MW-2 Shallow (5K02010-02) Water | | | | | | | | | |
| Benzene | ND | 0.00100 | mg/L | 1 | EK50810 | 11/08/05 | 11/08/05 | EPA 8021B | |
| Toluene | ND | 0.00100 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.00100 | " | " | " | " | " | " | |
| Xylene (p/m) | ND | 0.00100 | " | " | " | " | " | " | |
| Xylene (o) | ND | 0.00100 | " | " | " | " | " | " | |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | | 82.8 % | 80-120 | " | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 106 % | 80-120 | " | " | " | " | " | |

Rice Operating Co.
122 W. Taylor
Hobbs N.M. 88240

Project: Hobbs Jct. F-29-1A
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
11/11/05 12:15

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

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|--------|-----------------|-------|----------|---------|----------|----------|------------|-------|
| MW-1 Deep (5K02010-01) Water | | | | | | | | | |
| Total Alkalinity | 140 | 4.00 | mg/l. | 2 | EK50912 | 11/09/05 | 11/09/05 | EPA 310.2M | |
| Chloride | 300 | 5.00 | " | 10 | EK50703 | 11/04/05 | 11/07/05 | EPA 300.0 | |
| Total Dissolved Solids | 986 | 5.00 | " | 1 | EK50803 | 11/03/05 | 11/04/05 | EPA 160.1 | |
| Sulfate | 63.2 | 5.00 | " | 10 | EK50703 | 11/04/05 | 11/07/05 | EPA 300.0 | |
| MW-2 Shallow (5K02010-02) Water | | | | | | | | | |
| Total Alkalinity | 274 | 4.00 | mg/l. | 2 | EK50912 | 11/09/05 | 11/09/05 | EPA 310.2M | |
| Chloride | 226 | 5.00 | " | 10 | EK50703 | 11/04/05 | 11/07/05 | EPA 300.0 | |
| Total Dissolved Solids | 1100 | 5.00 | " | 1 | EK50803 | 11/03/05 | 11/04/05 | EPA 160.1 | |
| Sulfate | 218 | 5.00 | " | 10 | EK50703 | 11/04/05 | 11/07/05 | EPA 300.0 | |

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

Project: Hobbs Jct. F-29-1A
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
11/11/05 12:15

Total Metals by EPA / Standard Methods
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

MW-1 Deep (5K02010-01) Water

| | | | | | | | | | |
|-----------|------|--------|------|----|---------|----------|----------|-----------|--|
| Calcium | 141 | 0.500 | mg/L | 50 | EK50907 | 11/09/05 | 11/09/05 | EPA 200.7 | |
| Magnesium | 22.4 | 0.0100 | " | 10 | " | " | " | " | |
| Potassium | 5.70 | 0.0500 | " | 1 | " | " | " | " | |
| Sodium | 63.8 | 0.500 | " | 50 | " | " | " | " | |

MW-2 Shallow (5K02010-02) Water

| | | | | | | | | | |
|-----------|------|--------|------|----|---------|----------|----------|-----------|--|
| Calcium | 64.6 | 0.500 | mg/L | 50 | EK50907 | 11/09/05 | 11/09/05 | EPA 200.7 | |
| Magnesium | 17.9 | 0.0100 | " | 10 | " | " | " | " | |
| Potassium | 4.31 | 0.250 | " | 5 | " | " | " | " | |
| Sodium | 278 | 0.500 | " | 50 | " | " | " | " | |

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

Project: Hobbs Jet. F-29-1A
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
11/11/05 12:15

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 EK50810 - EPA 5030C (GC)

Blank (EK50810-BLK1)

Prepared & Analyzed: 11/08/05

| | | | | | | | | | | |
|-----------------------------------|--------|---------|------|--------|--|------|--------|--|--|--|
| Benzene | ND | 0.00100 | mg/L | | | | | | | |
| Toluene | ND | 0.00100 | " | | | | | | | |
| Ethylbenzene | ND | 0.00100 | " | | | | | | | |
| Xylene (p/m) | ND | 0.00100 | " | | | | | | | |
| Xylene (o) | ND | 0.00100 | " | | | | | | | |
| Surrogate: a,a,a-Trifluorotoluene | 0.0332 | | " | 0.0400 | | 83.0 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0323 | | " | 0.0400 | | 80.8 | 80-120 | | | |

LCS (EK50810-BS1)

Prepared & Analyzed: 11/08/05

| | | | | | | | | | | |
|-----------------------------------|--------|---------|------|--------|--|------|--------|--|--|--|
| Benzene | 0.0400 | 0.00100 | mg/L | 0.0500 | | 80.0 | 80-120 | | | |
| Toluene | 0.0402 | 0.00100 | " | 0.0500 | | 80.4 | 80-120 | | | |
| Ethylbenzene | 0.0400 | 0.00100 | " | 0.0500 | | 80.0 | 80-120 | | | |
| Xylene (p/m) | 0.0813 | 0.00100 | " | 0.100 | | 81.3 | 80-120 | | | |
| Xylene (o) | 0.0415 | 0.00100 | " | 0.0500 | | 83.0 | 80-120 | | | |
| Surrogate: a,a,a-Trifluorotoluene | 0.0347 | | " | 0.0400 | | 86.8 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0347 | | " | 0.0400 | | 86.8 | 80-120 | | | |

Calibration Check (EK50810-CCV1)

Prepared: 11/08/05 Analyzed: 11/09/05

| | | | | | | | | | | |
|-----------------------------------|--------|--|------|--------|--|------|--------|--|--|--|
| Benzene | 40.4 | | ug/l | 50.0 | | 80.8 | 80-120 | | | |
| Toluene | 40.9 | | " | 50.0 | | 81.8 | 80-120 | | | |
| Ethylbenzene | 40.2 | | " | 50.0 | | 80.4 | 80-120 | | | |
| Xylene (p/m) | 80.9 | | " | 100 | | 80.9 | 80-120 | | | |
| Xylene (o) | 40.8 | | " | 50.0 | | 81.6 | 80-120 | | | |
| Surrogate: a,a,a-Trifluorotoluene | 0.0346 | | mg/l | 0.0400 | | 86.5 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0345 | | " | 0.0400 | | 85.8 | 80-120 | | | |

Matrix Spike (EK50810-MS1)

Source: 5K03003-01

Prepared: 11/08/05 Analyzed: 11/09/05

| | | | | | | | | | | |
|-----------------------------------|--------|---------|------|--------|----|------|--------|--|--|--|
| Benzene | 0.0401 | 0.00100 | mg/L | 0.0500 | ND | 80.2 | 80-120 | | | |
| Toluene | 0.0409 | 0.00100 | " | 0.0500 | ND | 81.8 | 80-120 | | | |
| Ethylbenzene | 0.0401 | 0.00100 | " | 0.0500 | ND | 80.2 | 80-120 | | | |
| Xylene (p/m) | 0.0802 | 0.00100 | " | 0.100 | ND | 80.2 | 80-120 | | | |
| Xylene (o) | 0.0418 | 0.00100 | " | 0.0500 | ND | 83.6 | 80-120 | | | |
| Surrogate: a,a,a-Trifluorotoluene | 0.0339 | | " | 0.0400 | | 84.8 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0344 | | " | 0.0400 | | 86.0 | 80-120 | | | |

Environmental Lab of Texas

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

Page 5 of 10

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

Project: Hobbs Jet. F-29-1A
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
11/11/05 12:15

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 EK50810 - EPA 5030C (GC)

Matrix Spike Dup (EK50810-MSD1)

Source: 5K03003-01

Prepared & Analyzed: 11/08/05

| | | | | | | | | | | |
|---------------------------------|--------|---------|------|--------|----|------|--------|-------|----|--|
| Benzene | 0.0401 | 0.00100 | mg/L | 0.0500 | ND | 80.2 | 80-120 | 0.00 | 20 | |
| Toluene | 0.0407 | 0.00100 | " | 0.0500 | ND | 81.4 | 80-120 | 0.490 | 20 | |
| Ethylbenzene | 0.0404 | 0.00100 | " | 0.0500 | ND | 80.8 | 80-120 | 0.745 | 20 | |
| Xylene (p/m) | 0.0812 | 0.00100 | " | 0.100 | ND | 81.2 | 80-120 | 1.24 | 20 | |
| Xylene (o) | 0.0424 | 0.00100 | " | 0.0500 | ND | 84.8 | 80-120 | 1.43 | 20 | |
| Surrogate: a,a-Trifluorotoluene | 0.0335 | | " | 0.0400 | | 83.8 | 80-120 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0381 | | " | 0.0400 | | 95.2 | 80-120 | | | |

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

Project: Hobbs Jct. F-29-1A
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
11/11/05 12:15

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 EK50703 - General Preparation (WetChem)

Blank (EK50703-BLK1)

Prepared: 11/04/05 Analyzed: 11/07/05

| | | | | | | | | | | |
|----------|----|-------|------|--|--|--|--|--|--|--|
| Sulfate | ND | 0.500 | mg/L | | | | | | | |
| Chloride | ND | 0.500 | " | | | | | | | |

LCS (EK50703-BS1)

Prepared: 11/04/05 Analyzed: 11/07/05

| | | | | | | | | | | |
|----------|------|--|------|------|--|------|--------|--|--|--|
| Sulfate | 8.75 | | mg/L | 10.0 | | 87.5 | 80-120 | | | |
| Chloride | 8.00 | | " | 10.0 | | 80.0 | 80-120 | | | |

Calibration Check (EK50703-CCV1)

Prepared: 11/04/05 Analyzed: 11/07/05

| | | | | | | | | | | |
|----------|------|--|------|------|--|------|--------|--|--|--|
| Chloride | 8.13 | | mg/L | 10.0 | | 81.3 | 80-120 | | | |
| Sulfate | 8.85 | | " | 10.0 | | 88.5 | 80-120 | | | |

Duplicate (EK50703-DUP1)

Source: 5K02009-01

Prepared: 11/04/05 Analyzed: 11/07/05

| | | | | | | | | | | |
|----------|-----|------|------|--|-----|--|--|------|----|--|
| Sulfate | 105 | 10.0 | mg/L | | 100 | | | 4.88 | 20 | |
| Chloride | 189 | 10.0 | " | | 185 | | | 2.14 | 20 | |

Batch EK50803 - General Preparation (WetChem)

Blank (EK50803-BLK1)

Prepared: 11/03/05 Analyzed: 11/04/05

| | | | | | | | | | | |
|------------------------|----|------|------|--|--|--|--|--|--|--|
| Total Dissolved Solids | ND | 5.00 | mg/L | | | | | | | |
|------------------------|----|------|------|--|--|--|--|--|--|--|

Duplicate (EK50803-DUP1)

Source: 5K02009-01

Prepared: 11/03/05 Analyzed: 11/04/05

| | | | | | | | | | | |
|------------------------|-----|------|------|--|-----|--|--|------|---|--|
| Total Dissolved Solids | 736 | 5.00 | mg/L | | 762 | | | 3.47 | 5 | |
|------------------------|-----|------|------|--|-----|--|--|------|---|--|

Batch EK50912 - General Preparation (WetChem)

Blank (EK50912-BLK1)

Prepared & Analyzed: 11/09/05

| | | | | | | | | | | |
|------------------|----|------|------|--|--|--|--|--|--|--|
| Total Alkalinity | ND | 2.00 | mg/L | | | | | | | |
|------------------|----|------|------|--|--|--|--|--|--|--|

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

Project: Hobbs Jet. F-29-1A
 Project Number: None Given
 Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
 11/11/05 12:15

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 EK50912 - General Preparation (WetChem)

Duplicate (EK50912-DUP1)

Source: 5K02009-01

Prepared & Analyzed: 11/09/05

| | | | | | | | | | | |
|------------------|-----|------|------|--|-----|--|--|-------|----|--|
| Total Alkalinity | 206 | 4.00 | mg/L | | 208 | | | 0.966 | 20 | |
|------------------|-----|------|------|--|-----|--|--|-------|----|--|

Reference (EK50912-SRM1)

Prepared & Analyzed: 11/09/05

| | | | | | | | | | | |
|------------------------|-----|--|------|-----|--|-----|--------|--|--|--|
| Bicarbonate Alkalinity | 229 | | mg/L | 200 | | 114 | 80-120 | | | |
|------------------------|-----|--|------|-----|--|-----|--------|--|--|--|

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

Project: Hobbs Jet. F-29-1A
 Project Number: None Given
 Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
 11/11/05 12:15

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 EK50907 - 6010B/No Digestion

Blank (EK50907-BLK1)

Prepared & Analyzed: 11/09/05

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

Calibration Check (EK50907-CCV1)

Prepared & Analyzed: 11/09/05

| | | | | | | | | | | |
|-----------|------|--|------|------|--|------|--------|--|--|--|
| Calcium | 1.96 | | mg/L | 2.00 | | 98.0 | 85-115 | | | |
| Magnesium | 2.14 | | " | 2.00 | | 107 | 85-115 | | | |
| Potassium | 1.89 | | " | 2.00 | | 94.5 | 85-115 | | | |
| Sodium | 1.88 | | " | 2.00 | | 94.0 | 85-115 | | | |

Duplicate (EK50907-DUP1)

Source: 5K02009-01

Prepared & Analyzed: 11/09/05

| | | | | | | | | | | |
|-----------|------|--------|------|--|------|--|--|------|----|--|
| Calcium | 146 | 0.500 | mg/L | | 136 | | | 7.09 | 20 | |
| Magnesium | 24.7 | 0.0100 | " | | 24.4 | | | 1.22 | 20 | |
| Potassium | 4.71 | 0.0500 | " | | 4.79 | | | 1.68 | 20 | |
| Sodium | 87.3 | 0.500 | " | | 85.0 | | | 2.67 | 20 | |

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

Project: Hobbs Jct. F-29-1A
Project Number: None Given
Project Manager: Kristin Farris-Pope

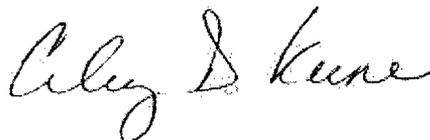
Fax: (505) 397-1471

Reported:
11/11/05 12:15

Notes and Definitions

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

Report Approved By: _____



Date: 11/11/2005

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

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

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

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

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

Client: RICE OP.
 Date/Time: 11/2/05 2:05
 Order #: 5R02010
 Initials: CR

Sample Receipt Checklist

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

Other observations:

Variance Documentation:

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

Corrective Action Taken:

