

November 3rd, 2014

Mike Bratcher

New Mexico Energy, Minerals, & Natural Resources
Oil Conservation Division, Environmental Bureau – District 2
811 S. First St.
Artesia, NM 88210

**RE: Corrective Action Plan
Burnett Oil Co. Gissler A-2 Battery (2RP-2233)
UL/J sec. 14 T17S R30E
API No. 30-015-33498**

Mr. Bratcher:

Burnett Oil Co. (Burnett) has retained Rice Environmental Consulting and Safety (RECS) to address potential environmental concerns at the above-referenced site.

Background and Previous Work

The site is located approximately 2.5 miles northeast of Loco Hills, New Mexico. The initial C-141 states that the site is located in UL/J. However, the release also extends into UL/O of sec. 14 T17S R30E. Based on RECS soil bore installations near the site, it can be deduced that the Gissler A-2 Battery is in an area of no groundwater (Figure 1).

On March 20th, 2014, a plugged water line caused water to flow into the oil tank; consequently, the oil tank overflowed. A total of 230 barrels of oil were released over 4,609 square feet of battery pad and 8,299 square feet of pasture land. Vacuum trucks were called to the site and recovered 210 barrels of oil. NMOCD and BLM were notified of the release on March 20th, 2014, and an initial C-141 was sent to NMOCD and BLM for their approval. NMOCD approved the initial C-141 on March 31st, 2014 (Appendix A).

RECS personnel were on site beginning on March 20th, 2014 to assess the release. The release was photographed and GPS mapped. Eight samples points were sampled from within the release at the surface and with depth (Figure 2). All soil samples were field tested for chlorides and organic vapors. Representative samples from each sample point were taken to a commercial laboratory for analysis (Appendix B).

Photo documentation of the field activities can be found in Appendix C.

Corrective Action Plan

Based on the laboratory analysis of the release, the site will be excavated in seven sections (Figure 3). The release area in the battery will be scraped down 6 inches to 1 foot bgs. To

protect tank stability and personnel safety, the scrape will not extend past this depth. Once the scrape is completed, a 5 point bottom composite will be taken and field tested for chlorides and organic vapors. The composite will then be taken to a commercial laboratory for analysis. On facility abandonment, the remainder of the contamination at the battery pad will be addressed.

The areas around Point 3, Point 4 and Point 8 will be scraped down to 1 ft bgs. The area around Point 5 will be scraped down to 1.5 ft bgs and the area around Point 7 will be scraped down to 3 ft bgs. The release area in the road will be scraped down to 6 inches bgs. Once the scrape is completed, a sample will be taken from the bottom of the scrape and field tested for chlorides and organic vapors. If field testing indicates that the sample will return chloride, GRO, DRO and BTEX readings below regulatory standards, the sample will be taken to a commercial laboratory for analysis. If field testing does not show that all constituents will be below regulatory standards, the scrape will be deepened until field testing shows that all constituents will be below regulatory standards, or the depth of the scrape will impede vehicular traffic.

The area around Point 6, where the oil pooled, will be excavated to a depth of 4 ft bgs. Once the scrape is completed, the walls of the excavation will be sampled and field tested for chlorides and organic vapors. If field testing indicates that the samples will return chloride, GRO, DRO and BTEX readings below regulatory standards, the samples will be taken to a commercial laboratory for analysis. If field testing does not show that all constituents in the wall samples will be below regulatory standards, the walls of the excavation will be expanded until field testing indicates that laboratory analysis of the walls will return constituents below regulatory standards. At the base of the excavation, a 20-mil reinforced poly liner will be installed and properly seated.

All excavated soil will be taken to a NMOCD approved facility for disposal. Clean caliche will be imported to the site to serve as backfill for the battery pad and the caliche road. Clean top soil will be imported to the site to serve as backfill for the pasture. Samples of both the caliche and top soil will be taken to a commercial laboratory to confirm that their chloride values are below regulatory standards. The battery pad and pasture will be backfilled with the imported soils and contoured to the surrounding location. The disturbed areas in the pasture will then be seeded with a blend of native vegetation.

Once these activities have been completed, a final report will be submitted to NMOCD and BLM requesting 'remediation termination' and site closure.

RECS appreciates the opportunity to work with you on this project. Please call Hack Conder at (575) 393-2967 or me if you have any questions or wish to discuss the site.

Sincerely,



Lara Weinheimer
Project Scientist
RECS
(575) 441-0431

Attachments:

Figure 1 – Depth to Groundwater

Figure 2 – Initial Sampling Data

Figure 3 – Proposed Corrective Actions

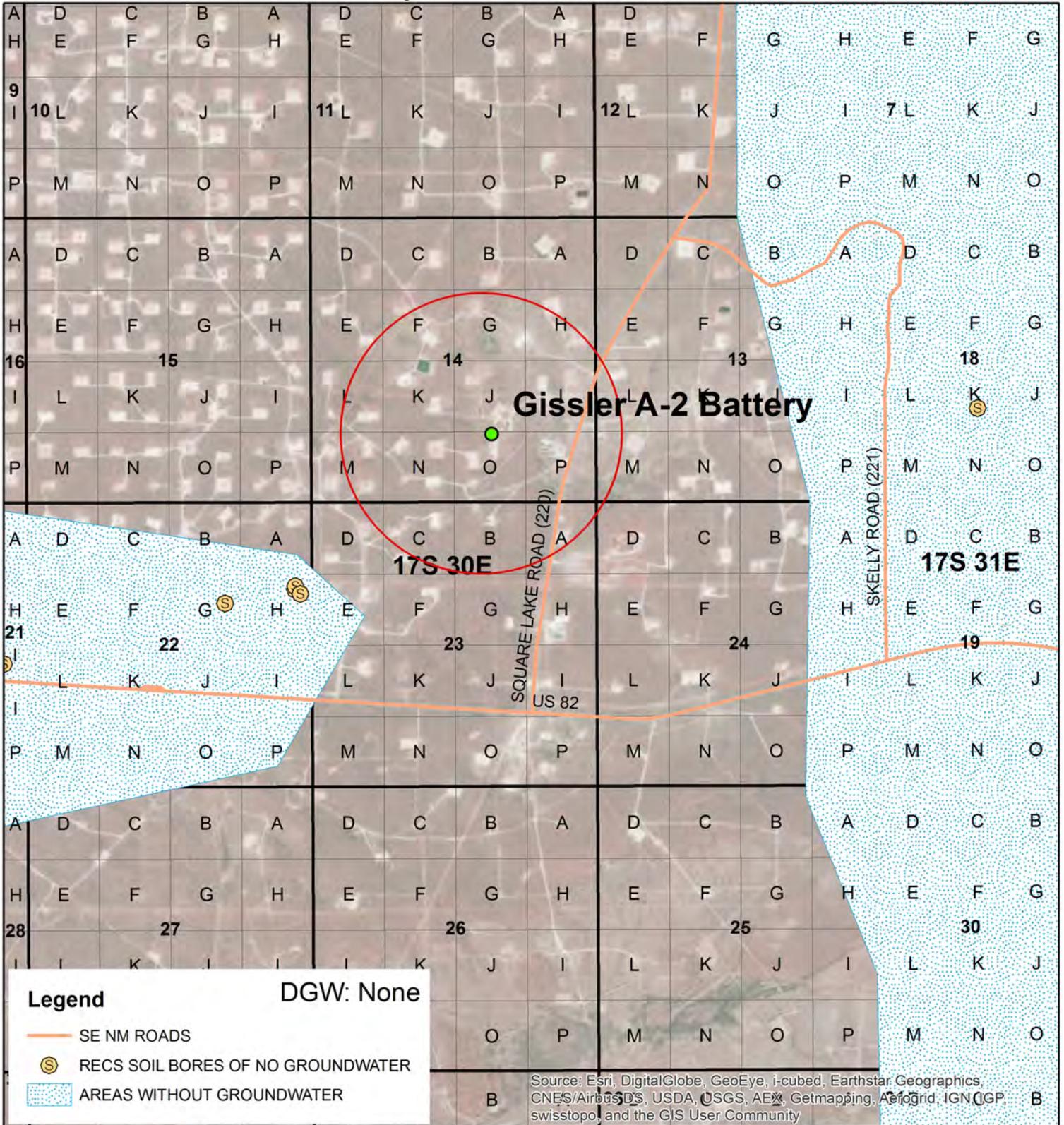
Appendix A – Initial C-141

Appendix B – Initial Sampling Labs

Appendix C – Photo Documentation

Figures

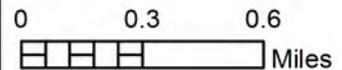
Depth to Groundwater



BURNETT GISSLER A-2 BATTERY

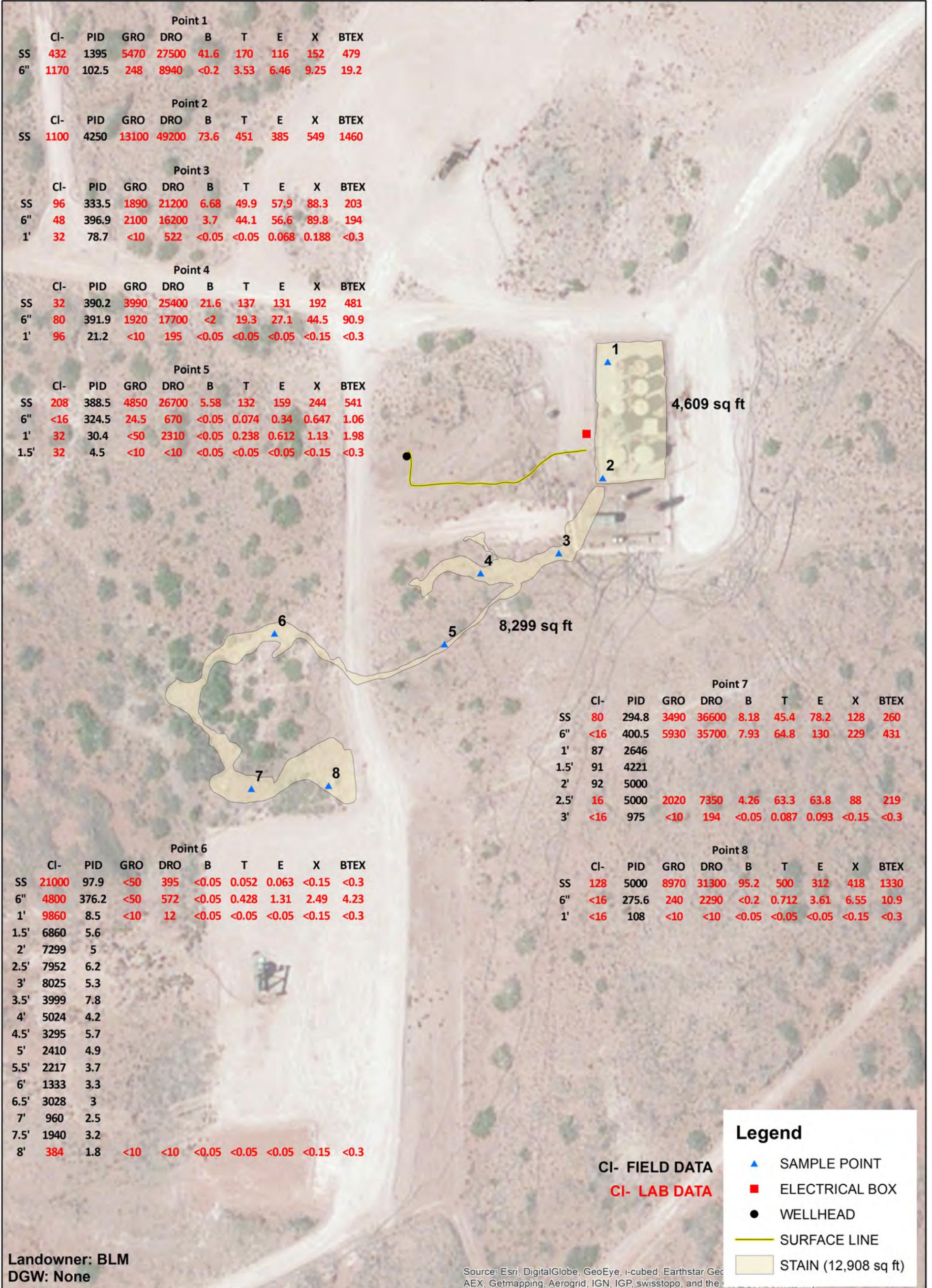
LEGALS: UL/ J & O sec. 14
T-17-S R-30-E
EDDY COUNTY, NM

Figure 1



Drawing date: 10/8/14
Drafted by: L. Weinheimer

Initial Sampling Data



BURNETT GISSLER A-2 BATTERY

UL J & O SECTION 14
T-17-S R-30-E
EDDY COUNTY, NM

Figure 2

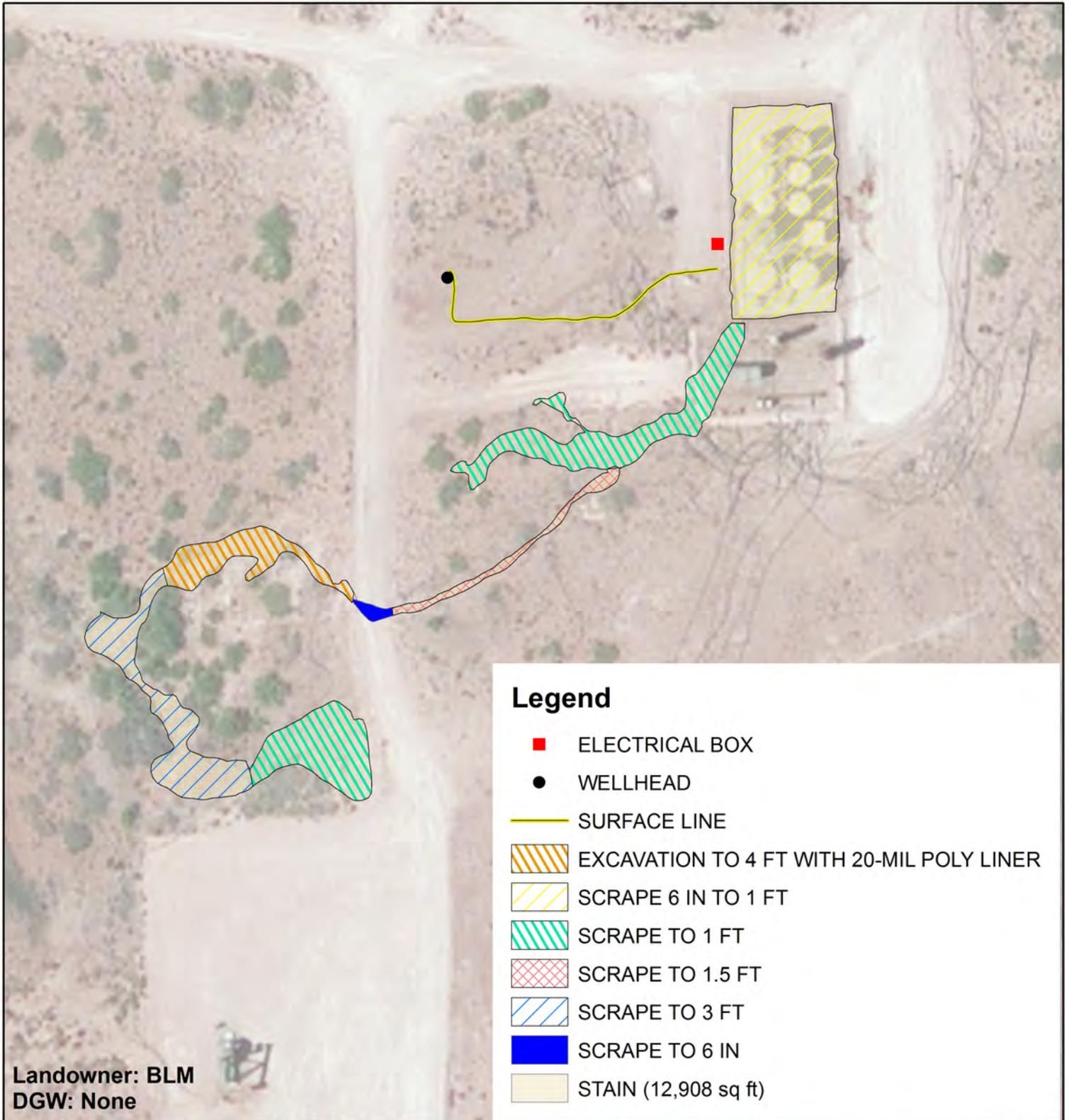


0 50 100
Feet

GPS date: 3/31/14 KH
Drawing date: 5/9/14
Drafted by: L. Weinheimer



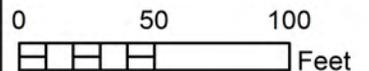
Proposed Corrective Actions



BURNETT GISSLER A-2 BATTERY

UL J & O SECTION 14
T-17-S R-30-E
EDDY COUNTY, NM

Figure 3



GPS date: 3/31/14 KH
Drawing date: 5/9/14, 10/8/14
Drafted by: L. Weinheimer

Appendix A

Initial C-141

RICE Environmental Consulting and Safety (RECS)
P.O. Box 2948 Hobbs, NM 88241
Phone 575.393.2967

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87718
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

RECEIVED
MAR 24 2014
NMOCD ARTESIA

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

nHMP1409023168

OPERATOR

Initial Report Final Report

Name of Company	Burnett Oil Co., Inc. 3080	Contact	Shawna Matthews
Address	87 Square Lake Rd., Loco Hills, NM 88255	Telephone No.	(575) 219-6370
Facility Name	Gissler A-2 Battery	Facility Type	Battery
Surface Owner	BLM	Mineral Owner	
		API No.	30-015-33498

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
J	14	17S	30E	1422	FSL	1705	FEL	Eddy

Latitude 32.831215 Longitude -103.939486

NATURE OF RELEASE

Type of Release	Oil	Volume of Release	230 bbls	Volume Recovered	210 bbls
Source of Release	Oil tank	Date and Hour of Occurrence	3/20/14	Date and Hour of Discovery	3/20/14 7:00 am
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Mike Bratcher - NMOCD; Mike Burton - BLM		
By Whom?	Jacob Kamplain - RECS	Date and Hour	3/20/14 11:22 am		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

The water line plugged up and the water ran into the oil tank causing it to overflow. Vacuum trucks were called out to the site and removed the standing oil.

Describe Area Affected and Cleanup Action Taken.*

A total of 12,908 square feet of bermed battery, lease road and pasture land was affected by the release. The site will be remediated per NMOCD and BLM guidelines.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability 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 acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: <i>Shawna Matthews</i>	OIL CONSERVATION DIVISION	
Printed Name: Shawna Matthews	Approved by Environmental Specialist: <i>[Signature]</i>	
Title: Senior Production Technician	Approval Date: 3-31-14	Expiration Date: NA
E-mail Address: smatthews@burnettoil.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: _____ Phone: (575) 219-6370	Remediation per OCD Rule & Guidelines. SUBMIT REMEDIATION PROPOSAL NO LATER THAN: 5-1-14	

* Attach Additional Sheets If Necessary

2RP-2233

Appendix B

Initial Sampling Labs

RICE Environmental Consulting and Safety (RECS)
P.O. Box 2948 Hobbs, NM 88241
Phone 575.393.2967



April 02, 2014

JACOB KAMPLAIN

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

419 W. CAIN

HOBBS, NM 88240

RE: GISSLER A-2

Enclosed are the results of analyses for samples received by the laboratory on 03/26/14 16:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in cursive script that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 JACOB KAMPLAIN
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	03/26/2014	Sampling Date:	03/26/2014
Reported:	04/02/2014	Sampling Type:	Soil
Project Name:	GISSLER A-2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT. 1 @ SURFACE (H400911-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	41.6	5.00	04/01/2014	ND	2.28	114	2.00	8.45	
Toluene*	170	5.00	04/01/2014	ND	2.18	109	2.00	8.38	
Ethylbenzene*	116	5.00	04/01/2014	ND	2.13	106	2.00	8.60	
Total Xylenes*	152	15.0	04/01/2014	ND	6.26	104	6.00	7.23	
Total BTEX	479	30.0	04/01/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	04/02/2014	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	5470	100	03/31/2014	ND	222	111	200	9.86		
DRO >C10-C28	27500	100	03/31/2014	ND	198	99.0	200	1.31		

Surrogate: 1-Chlorooctane 198 % 65.2-140
Surrogate: 1-Chlorooctadecane 753 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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 RICE ENVIRONMENTAL CONSULTING & SAFETY
 JACOB KAMPLAIN
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	03/26/2014	Sampling Date:	03/26/2014
Reported:	04/02/2014	Sampling Type:	Soil
Project Name:	GISSLER A-2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT. 2 @ SURFACE (H400911-02)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	73.6	10.0	04/01/2014	ND	2.28	114	2.00	8.45	
Toluene*	451	10.0	04/01/2014	ND	2.18	109	2.00	8.38	
Ethylbenzene*	385	10.0	04/01/2014	ND	2.13	106	2.00	8.60	
Total Xylenes*	549	30.0	04/01/2014	ND	6.26	104	6.00	7.23	
Total BTEX	1460	60.0	04/01/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 131 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1100	16.0	04/02/2014	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	13100	100	03/31/2014	ND	222	111	200	9.86	
DRO >C10-C28	49200	100	03/31/2014	ND	198	99.0	200	1.31	

Surrogate: 1-Chlorooctane 497 % 65.2-140

Surrogate: 1-Chlorooctadecane 1260 % 63.6-154

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 JACOB KAMPLAIN
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	03/26/2014	Sampling Date:	03/26/2014
Reported:	04/02/2014	Sampling Type:	Soil
Project Name:	GISSLER A-2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT. 3 @ SURFACE (H400911-03)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	6.68	2.00	04/01/2014	ND	2.28	114	2.00	8.45	
Toluene*	49.9	2.00	04/01/2014	ND	2.18	109	2.00	8.38	
Ethylbenzene*	57.9	2.00	04/01/2014	ND	2.13	106	2.00	8.60	
Total Xylenes*	88.3	6.00	04/01/2014	ND	6.26	104	6.00	7.23	
Total BTEX	203	12.0	04/01/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 138 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	04/02/2014	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1890	100	03/31/2014	ND	222	111	200	9.86	
DRO >C10-C28	21200	100	03/31/2014	ND	198	99.0	200	1.31	

Surrogate: 1-Chlorooctane 160 % 65.2-140

Surrogate: 1-Chlorooctadecane 675 % 63.6-154

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* = Accredited Analyte

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 JACOB KAMPLAIN
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	03/26/2014	Sampling Date:	03/26/2014
Reported:	04/02/2014	Sampling Type:	Soil
Project Name:	GISSLER A-2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT. 4 @ SURFACE (H400911-04)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	21.6	5.00	04/01/2014	ND	2.28	114	2.00	8.45	
Toluene*	137	5.00	04/01/2014	ND	2.18	109	2.00	8.38	
Ethylbenzene*	131	5.00	04/01/2014	ND	2.13	106	2.00	8.60	
Total Xylenes*	192	15.0	04/01/2014	ND	6.26	104	6.00	7.23	
Total BTEX	481	30.0	04/01/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 132 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/02/2014	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	3990	100	03/31/2014	ND	222	111	200	9.86	
DRO >C10-C28	25400	100	03/31/2014	ND	198	99.0	200	1.31	

Surrogate: 1-Chlorooctane 218 % 65.2-140

Surrogate: 1-Chlorooctadecane 752 % 63.6-154

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 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	03/26/2014	Sampling Date:	03/26/2014
Reported:	04/02/2014	Sampling Type:	Soil
Project Name:	GISSLER A-2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT. 5 @ SURFACE (H400911-05)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	5.58	5.00	04/01/2014	ND	2.28	114	2.00	8.45	
Toluene*	132	5.00	04/01/2014	ND	2.18	109	2.00	8.38	
Ethylbenzene*	159	5.00	04/01/2014	ND	2.13	106	2.00	8.60	
Total Xylenes*	244	15.0	04/01/2014	ND	6.26	104	6.00	7.23	
Total BTEX	541	30.0	04/01/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 140 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	04/02/2014	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	4850	100	03/31/2014	ND	222	111	200	9.86	
DRO >C10-C28	26700	100	03/31/2014	ND	198	99.0	200	1.31	

Surrogate: 1-Chlorooctane 265 % 65.2-140
Surrogate: 1-Chlorooctadecane 680 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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 RICE ENVIRONMENTAL CONSULTING & SAFETY
 JACOB KAMPLAIN
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	03/26/2014	Sampling Date:	03/26/2014
Reported:	04/02/2014	Sampling Type:	Soil
Project Name:	GISSLER A-2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT. 6 @ SURFACE (H400911-06)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2014	ND	2.28	114	2.00	8.45		
Toluene*	0.052	0.050	04/01/2014	ND	2.18	109	2.00	8.38		
Ethylbenzene*	0.063	0.050	04/01/2014	ND	2.13	106	2.00	8.60		
Total Xylenes*	<0.150	0.150	04/01/2014	ND	6.26	104	6.00	7.23		
Total BTEX	<0.300	0.300	04/01/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	21000	16.0	04/02/2014	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<50.0	50.0	03/31/2014	ND	222	111	200	9.86		
DRO >C10-C28	395	50.0	03/31/2014	ND	198	99.0	200	1.31		

Surrogate: 1-Chlorooctane 92.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 154 % 63.6-154

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 JACOB KAMPLAIN
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	03/26/2014	Sampling Date:	03/26/2014
Reported:	04/02/2014	Sampling Type:	Soil
Project Name:	GISSLER A-2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT. 7 @ SURFACE (H400911-07)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	8.18	2.00	04/01/2014	ND	2.28	114	2.00	8.45	
Toluene*	45.4	2.00	04/01/2014	ND	2.18	109	2.00	8.38	
Ethylbenzene*	78.2	2.00	04/01/2014	ND	2.13	106	2.00	8.60	
Total Xylenes*	128	6.00	04/01/2014	ND	6.26	104	6.00	7.23	
Total BTEX	260	12.0	04/01/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 152 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	04/02/2014	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	3490	100	03/31/2014	ND	222	111	200	9.86	
DRO >C10-C28	36600	100	03/31/2014	ND	198	99.0	200	1.31	

Surrogate: 1-Chlorooctane 259 % 65.2-140

Surrogate: 1-Chlorooctadecane 1090 % 63.6-154

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 JACOB KAMPLAIN
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	03/26/2014	Sampling Date:	03/26/2014
Reported:	04/02/2014	Sampling Type:	Soil
Project Name:	GISSLER A-2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT. 8 @ SURFACE (H400911-08)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	95.2	10.0	04/01/2014	ND	2.28	114	2.00	8.45	
Toluene*	500	10.0	04/01/2014	ND	2.18	109	2.00	8.38	
Ethylbenzene*	312	10.0	04/01/2014	ND	2.13	106	2.00	8.60	
Total Xylenes*	418	30.0	04/01/2014	ND	6.26	104	6.00	7.23	
Total BTEX	1330	60.0	04/01/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 126 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	04/02/2014	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	8970	100	03/31/2014	ND	222	111	200	9.86		
DRO >C10-C28	31300	100	03/31/2014	ND	198	99.0	200	1.31		

Surrogate: 1-Chlorooctane 277 % 65.2-140

Surrogate: 1-Chlorooctadecane 851 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- QM-4X The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM450Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report



Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603
 (505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: RECS

Project Manager: Jacob Kamplain

Address: _____

City: Hobbs State: NM Zip: 88240

Phone #: _____ Fax #: _____

Project #: _____ Project Owner: _____

Project Name: _____

Project Location: GISSLER A-2

Sampler Name: Kyle Humphrey

BILL TO

P.O. #: _____

Company: _____

Attn: _____

Address: _____

City: _____

State: _____ Zip: _____

Phone #: _____

Fax #: _____

ANALYSIS REQUEST

Chlorides

TPH 8015 M

BTEX

Texas TPH

Complete Cations/Anions

TDS

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.		SAMPLING		DATE	TIME	Chlorides	TPH 8015 M	BTEX	Texas TPH	Complete Cations/Anions	TDS
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :									
<u>H400911</u>																					
<u>1</u>	<u>PT 1 @ Surface</u>	<u>6</u>	<u>1</u>			<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>			<u>3-26-14</u>	<u>10:00</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
<u>2</u>	<u>PT 2 @ Surface</u>	<u>6</u>	<u>1</u>			<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>				<u>10:05</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
<u>3</u>	<u>PT 3 @ Surface</u>	<u>6</u>	<u>1</u>			<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>				<u>10:10</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
<u>4</u>	<u>PT 4 @ Surface</u>	<u>6</u>	<u>1</u>			<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>				<u>10:15</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
<u>5</u>	<u>PT 5 @ Surface</u>	<u>6</u>	<u>1</u>			<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>				<u>10:20</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
<u>6</u>	<u>PT 6 @ Surface</u>	<u>6</u>	<u>1</u>			<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>				<u>10:25</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
<u>7</u>	<u>PT 7 @ Surface</u>	<u>6</u>	<u>1</u>			<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>				<u>10:30</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
<u>8</u>	<u>PT 8 @ Surface</u>	<u>6</u>	<u>1</u>			<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>				<u>10:35</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				

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Relinquished By: Kyle Humphrey Date: 3/26/14 Time: 4:25

Received By: Jodi Benson

Phone Result: Yes No Add'l Phone #: _____

Fax Result: Yes No Add'l Fax #: _____

REMARKS: email results
Knorman@rice-ecs.com
Kjones@riceswd.com; jkamplain@rice-ecs.com hconder@rice-ecs.com;
Lweinheimer@rice-ecs.com
Khumphrey@rice-ecs.com
sedwards@rice-ecs.com, lflores@rice-ecs.com

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

Sample Condition: Cool Intact
 Yes Yes
 No No

CHECKED BY: [Signature]

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

#54



April 08, 2014

JACOB KAMPLAIN

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

419 W. CAIN

HOBBS, NM 88240

RE: GISSLER A-2

Enclosed are the results of analyses for samples received by the laboratory on 04/02/14 15:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 JACOB KAMPLAIN
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	04/02/2014	Sampling Date:	03/27/2014
Reported:	04/08/2014	Sampling Type:	Soil
Project Name:	GISSLER A-2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT 1 @ 6" (H400982-01)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	04/07/2014	ND	2.01	100	2.00	1.39	
Toluene*	3.53	0.200	04/07/2014	ND	1.92	95.8	2.00	2.21	
Ethylbenzene*	6.46	0.200	04/07/2014	ND	1.91	95.3	2.00	0.140	
Total Xylenes*	9.25	0.600	04/07/2014	ND	5.49	91.6	6.00	0.369	
Total BTEX	19.2	1.20	04/07/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 162 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1170	16.0	04/07/2014	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: ms				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	248	100	04/04/2014	ND	183	91.4	200	1.10	
DRO >C10-C28	8940	100	04/04/2014	ND	203	101	200	5.74	

Surrogate: 1-Chlorooctane 146 % 65.2-140

Surrogate: 1-Chlorooctadecane 304 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 JACOB KAMPLAIN
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	04/02/2014	Sampling Date:	03/27/2014
Reported:	04/08/2014	Sampling Type:	Soil
Project Name:	GISSLER A-2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT 3 @ 6" (H400982-02)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	3.70	2.00	04/07/2014	ND	2.01	100	2.00	1.39	
Toluene*	44.1	2.00	04/07/2014	ND	1.92	95.8	2.00	2.21	
Ethylbenzene*	56.6	2.00	04/07/2014	ND	1.91	95.3	2.00	0.140	
Total Xylenes*	89.8	6.00	04/07/2014	ND	5.49	91.6	6.00	0.369	
Total BTEX	194	12.0	04/07/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 147 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/07/2014	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: ms				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	2100	100	04/04/2014	ND	183	91.4	200	1.10	
DRO >C10-C28	16200	100	04/04/2014	ND	203	101	200	5.74	

Surrogate: 1-Chlorooctane 202 % 65.2-140

Surrogate: 1-Chlorooctadecane 452 % 63.6-154

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 JACOB KAMPLAIN
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	04/02/2014	Sampling Date:	03/27/2014
Reported:	04/08/2014	Sampling Type:	Soil
Project Name:	GISSLER A-2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT 4 @ 6" (H400982-03)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	04/07/2014	ND	2.01	100	2.00	1.39	
Toluene*	19.3	2.00	04/07/2014	ND	1.92	95.8	2.00	2.21	
Ethylbenzene*	27.1	2.00	04/07/2014	ND	1.91	95.3	2.00	0.140	
Total Xylenes*	44.5	6.00	04/07/2014	ND	5.49	91.6	6.00	0.369	
Total BTEX	90.9	12.0	04/07/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 136 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	04/07/2014	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: ms				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1920	100	04/04/2014	ND	183	91.4	200	1.10	
DRO >C10-C28	17700	100	04/04/2014	ND	203	101	200	5.74	

Surrogate: 1-Chlorooctane 207 % 65.2-140

Surrogate: 1-Chlorooctadecane 461 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 JACOB KAMPLAIN
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	04/02/2014	Sampling Date:	03/27/2014
Reported:	04/08/2014	Sampling Type:	Soil
Project Name:	GISSLER A-2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT 5 @ 6" (H400982-04)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/07/2014	ND	2.01	100	2.00	1.39	
Toluene*	0.074	0.050	04/07/2014	ND	1.92	95.8	2.00	2.21	
Ethylbenzene*	0.340	0.050	04/07/2014	ND	1.91	95.3	2.00	0.140	
Total Xylenes*	0.647	0.150	04/07/2014	ND	5.49	91.6	6.00	0.369	
Total BTEX	1.06	0.300	04/07/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 153 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/07/2014	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	24.5	10.0	04/04/2014	ND	183	91.4	200	1.10	
DRO >C10-C28	670	10.0	04/04/2014	ND	203	101	200	5.74	

Surrogate: 1-Chlorooctane 123 % 65.2-140

Surrogate: 1-Chlorooctadecane 115 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 JACOB KAMPLAIN
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	04/02/2014	Sampling Date:	03/27/2014
Reported:	04/08/2014	Sampling Type:	Soil
Project Name:	GISSLER A-2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT 6 @ 6" (H400982-05)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/07/2014	ND	2.01	100	2.00	1.39	
Toluene*	0.428	0.050	04/07/2014	ND	1.92	95.8	2.00	2.21	
Ethylbenzene*	1.31	0.050	04/07/2014	ND	1.91	95.3	2.00	0.140	
Total Xylenes*	2.49	0.150	04/07/2014	ND	5.49	91.6	6.00	0.369	
Total BTEX	4.23	0.300	04/07/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 133 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4800	16.0	04/07/2014	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: ms				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	04/04/2014	ND	183	91.4	200	1.10	
DRO >C10-C28	572	50.0	04/04/2014	ND	203	101	200	5.74	

Surrogate: 1-Chlorooctane 113 % 65.2-140

Surrogate: 1-Chlorooctadecane 137 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 JACOB KAMPLAIN
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	04/02/2014	Sampling Date:	03/27/2014
Reported:	04/08/2014	Sampling Type:	Soil
Project Name:	GISSLER A-2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT 7 @ 6" (H400982-06)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	7.93	5.00	04/07/2014	ND	2.01	100	2.00	1.39	
Toluene*	64.8	5.00	04/07/2014	ND	1.92	95.8	2.00	2.21	
Ethylbenzene*	130	5.00	04/07/2014	ND	1.91	95.3	2.00	0.140	
Total Xylenes*	229	15.0	04/07/2014	ND	5.49	91.6	6.00	0.369	
Total BTEX	431	30.0	04/07/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 150 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/07/2014	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: ms				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	5930	200	04/04/2014	ND	183	91.4	200	1.10	
DRO >C10-C28	35700	200	04/04/2014	ND	203	101	200	5.74	

Surrogate: 1-Chlorooctane 424 % 65.2-140

Surrogate: 1-Chlorooctadecane 104 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 JACOB KAMPLAIN
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	04/02/2014	Sampling Date:	03/27/2014
Reported:	04/08/2014	Sampling Type:	Soil
Project Name:	GISSLER A-2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT 8 @ 6" (H400982-07)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	04/07/2014	ND	2.01	100	2.00	1.39	
Toluene*	0.712	0.200	04/07/2014	ND	1.92	95.8	2.00	2.21	
Ethylbenzene*	3.61	0.200	04/07/2014	ND	1.91	95.3	2.00	0.140	
Total Xylenes*	6.55	0.600	04/07/2014	ND	5.49	91.6	6.00	0.369	
Total BTEX	10.9	1.20	04/07/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 165 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/07/2014	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: ms				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	240	10.0	04/04/2014	ND	183	91.4	200	1.10	
DRO >C10-C28	2290	10.0	04/04/2014	ND	203	101	200	5.74	

Surrogate: 1-Chlorooctane 144 % 65.2-140

Surrogate: 1-Chlorooctadecane 94.2 % 63.6-154

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 JACOB KAMPLAIN
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	04/02/2014	Sampling Date:	03/27/2014
Reported:	04/08/2014	Sampling Type:	Soil
Project Name:	GISSLER A-2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT 6 @ 1' (H400982-08)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/07/2014	ND	2.01	100	2.00	1.39	
Toluene*	<0.050	0.050	04/07/2014	ND	1.92	95.8	2.00	2.21	
Ethylbenzene*	<0.050	0.050	04/07/2014	ND	1.91	95.3	2.00	0.140	
Total Xylenes*	<0.150	0.150	04/07/2014	ND	5.49	91.6	6.00	0.369	
Total BTEX	<0.300	0.300	04/07/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9860	16.0	04/07/2014	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/04/2014	ND	163	81.4	200	1.36	
DRO >C10-C28	12.0	10.0	04/04/2014	ND	181	90.3	200	2.70	

Surrogate: 1-Chlorooctane 116 % 65.2-140

Surrogate: 1-Chlorooctadecane 113 % 63.6-154

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report



Celey D. Keene, Lab Director/Quality Manager

April 08, 2014

JACOB KAMPLAIN

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

419 W. CAIN

HOBBS, NM 88240

RE: GISSLER A-2

Enclosed are the results of analyses for samples received by the laboratory on 04/02/14 15:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 JACOB KAMPLAIN
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	04/02/2014	Sampling Date:	03/31/2014
Reported:	04/08/2014	Sampling Type:	Soil
Project Name:	GISSLER A-2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT. 4 @ 1' (H400983-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/07/2014	ND	2.01	100	2.00	1.39	
Toluene*	<0.050	0.050	04/07/2014	ND	1.92	95.8	2.00	2.21	
Ethylbenzene*	<0.050	0.050	04/07/2014	ND	1.91	95.3	2.00	0.140	
Total Xylenes*	<0.150	0.150	04/07/2014	ND	5.49	91.6	6.00	0.369	
Total BTEX	<0.300	0.300	04/07/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	04/08/2014	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/04/2014	ND	163	81.4	200	1.36	
DRO >C10-C28	195	10.0	04/04/2014	ND	181	90.3	200	2.70	

Surrogate: 1-Chlorooctane 118 % 65.2-140
Surrogate: 1-Chlorooctadecane 111 % 63.6-154

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 JACOB KAMPLAIN
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	04/02/2014	Sampling Date:	03/31/2014
Reported:	04/08/2014	Sampling Type:	Soil
Project Name:	GISSLER A-2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT. 5 @ 1' (H400983-02)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/07/2014	ND	2.01	100	2.00	1.39	
Toluene*	0.238	0.050	04/07/2014	ND	1.92	95.8	2.00	2.21	
Ethylbenzene*	0.612	0.050	04/07/2014	ND	1.91	95.3	2.00	0.140	
Total Xylenes*	1.13	0.150	04/07/2014	ND	5.49	91.6	6.00	0.369	
Total BTEX	1.98	0.300	04/07/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 134 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/08/2014	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: ms				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	04/04/2014	ND	163	81.4	200	1.36	
DRO >C10-C28	2310	50.0	04/04/2014	ND	181	90.3	200	2.70	

Surrogate: 1-Chlorooctane 128 % 65.2-140

Surrogate: 1-Chlorooctadecane 159 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 JACOB KAMPLAIN
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	04/02/2014	Sampling Date:	03/31/2014
Reported:	04/08/2014	Sampling Type:	Soil
Project Name:	GISSLER A-2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT. 6 @ 8' (H400983-03)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/07/2014	ND	1.99	99.3	2.00	3.19	
Toluene*	<0.050	0.050	04/07/2014	ND	2.02	101	2.00	2.90	
Ethylbenzene*	<0.050	0.050	04/07/2014	ND	1.99	99.6	2.00	3.10	
Total Xylenes*	<0.150	0.150	04/07/2014	ND	5.73	95.5	6.00	3.00	
Total BTEX	<0.300	0.300	04/07/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	04/08/2014	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/04/2014	ND	163	81.4	200	1.36	
DRO >C10-C28	<10.0	10.0	04/04/2014	ND	181	90.3	200	2.70	

Surrogate: 1-Chlorooctane 123 % 65.2-140

Surrogate: 1-Chlorooctadecane 115 % 63.6-154

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report



Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

May 09, 2014

JACOB KAMPLAIN

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

419 W. CAIN

HOBBS, NM 88240

RE: GISSLER A-2

Enclosed are the results of analyses for samples received by the laboratory on 05/01/14 11:48.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, flowing "C" and "K".

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 JACOB KAMPLAIN
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	05/01/2014	Sampling Date:	04/30/2014
Reported:	05/09/2014	Sampling Type:	Soil
Project Name:	GISSLER A-2	Sampling Condition:	Cool & Intact
Project Number:	BURNETT	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

Sample ID: PT 8 1' (H401329-01)

BTEX 8260B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/09/2014	ND	2.37	119	2.00	0.0531	
Toluene*	<0.050	0.050	05/09/2014	ND	2.38	119	2.00	0.125	
Ethylbenzene*	<0.050	0.050	05/09/2014	ND	2.24	112	2.00	0.819	
Total Xylenes*	<0.150	0.150	05/09/2014	ND	6.91	115	6.00	0.228	
Total BTEX	<0.300	0.300	05/09/2014	ND					

Surrogate: Dibromofluoromethane 97.6 % 61.3-142

Surrogate: Toluene-d8 109 % 71.3-129

Surrogate: 4-Bromofluorobenzene 105 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/08/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/08/2014	ND	192	95.9	200	1.84	
DRO >C10-C28	<10.0	10.0	05/08/2014	ND	220	110	200	12.1	

Surrogate: 1-Chlorooctane 89.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 98.4 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 JACOB KAMPLAIN
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	05/01/2014	Sampling Date:	04/30/2014
Reported:	05/09/2014	Sampling Type:	Soil
Project Name:	GISSLER A-2	Sampling Condition:	Cool & Intact
Project Number:	BURNETT	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

Sample ID: PT 7 2.5' (H401329-02)

BTEX 8260B		mg/kg		Analyzed By: ms				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	4.26	0.500	05/09/2014	ND	2.37	119	2.00	0.0531		
Toluene*	63.3	0.500	05/09/2014	ND	2.38	119	2.00	0.125		
Ethylbenzene*	63.8	0.500	05/09/2014	ND	2.24	112	2.00	0.819		
Total Xylenes*	88.0	1.50	05/09/2014	ND	6.91	115	6.00	0.228		
Total BTEX	219	3.00	05/09/2014	ND						

Surrogate: Dibromofluoromethane 98.3 % 61.3-142

Surrogate: Toluene-d8 115 % 71.3-129

Surrogate: 4-Bromofluorobenzene 247 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP				S-06		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	05/08/2014	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-06		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	2020	100	05/08/2014	ND	192	95.9	200	1.84		
DRO >C10-C28	7350	100	05/08/2014	ND	220	110	200	12.1		

Surrogate: 1-Chlorooctane 153 % 65.2-140

Surrogate: 1-Chlorooctadecane 192 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 JACOB KAMPLAIN
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	05/01/2014	Sampling Date:	04/30/2014
Reported:	05/09/2014	Sampling Type:	Soil
Project Name:	GISSLER A-2	Sampling Condition:	Cool & Intact
Project Number:	BURNETT	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

Sample ID: PT 7 3' (H401329-03)

BTEX 8260B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/09/2014	ND	2.37	119	2.00	0.0531	
Toluene*	0.087	0.050	05/09/2014	ND	2.38	119	2.00	0.125	
Ethylbenzene*	0.093	0.050	05/09/2014	ND	2.24	112	2.00	0.819	
Total Xylenes*	<0.150	0.150	05/09/2014	ND	6.91	115	6.00	0.228	
Total BTEX	<0.300	0.300	05/09/2014	ND					

Surrogate: Dibromofluoromethane 96.5 % 61.3-142

Surrogate: Toluene-d8 99.6 % 71.3-129

Surrogate: 4-Bromofluorobenzene 132 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/08/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/08/2014	ND	192	95.9	200	1.84	
DRO >C10-C28	194	10.0	05/08/2014	ND	220	110	200	12.1	

Surrogate: 1-Chlorooctane 107 % 65.2-140

Surrogate: 1-Chlorooctadecane 127 % 63.6-154

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 JACOB KAMPLAIN
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	05/01/2014	Sampling Date:	04/30/2014
Reported:	05/09/2014	Sampling Type:	Soil
Project Name:	GISSLER A-2	Sampling Condition:	Cool & Intact
Project Number:	BURNETT	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

Sample ID: PT 3 1' (H401329-04)

BTEX 8260B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2014	ND	2.37	119	2.00	0.0531		
Toluene*	<0.050	0.050	05/09/2014	ND	2.38	119	2.00	0.125		
Ethylbenzene*	0.068	0.050	05/09/2014	ND	2.24	112	2.00	0.819		
Total Xylenes*	0.188	0.150	05/09/2014	ND	6.91	115	6.00	0.228		
Total BTEX	<0.300	0.300	05/09/2014	ND						

Surrogate: Dibromofluoromethane 98.3 % 61.3-142

Surrogate: Toluene-d8 103 % 71.3-129

Surrogate: 4-Bromofluorobenzene 128 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/08/2014	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	05/08/2014	ND	192	95.9	200	1.84		
DRO >C10-C28	522	10.0	05/08/2014	ND	220	110	200	12.1		

Surrogate: 1-Chlorooctane 119 % 65.2-140

Surrogate: 1-Chlorooctadecane 126 % 63.6-154

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report



Celey D. Keene, Lab Director/Quality Manager



September 12, 2014

JACOB KAMPLAIN

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

419 W. CAIN

HOBBS, NM 88240

RE: GISSLER A-2

Enclosed are the results of analyses for samples received by the laboratory on 09/11/14 13:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, flowing "C" and "K".

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 RICE ENVIRONMENTAL CONSULTING & SAFETY
 JACOB KAMPLAIN
 419 W. CAIN
 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	09/11/2014	Sampling Date:	09/11/2014
Reported:	09/12/2014	Sampling Type:	Soil
Project Name:	GISSLER A-2	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT. 5 @ 1.5' (H402826-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/11/2014	ND	1.82	91.1	2.00	6.49	
Toluene*	<0.050	0.050	09/11/2014	ND	1.68	83.8	2.00	5.95	
Ethylbenzene*	<0.050	0.050	09/11/2014	ND	1.75	87.5	2.00	6.27	
Total Xylenes*	<0.150	0.150	09/11/2014	ND	5.34	89.0	6.00	6.76	
Total BTEX	<0.300	0.300	09/11/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/12/2014	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	09/12/2014	ND	198	99.1	200	4.65	
DRO >C10-C28	<10.0	10.0	09/12/2014	ND	198	98.9	200	8.84	

Surrogate: 1-Chlorooctane 112 % 65.2-140
Surrogate: 1-Chlorooctadecane 123 % 63.6-154

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report



Celey D. Keene, Lab Director/Quality Manager

RUSH !!
x x

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

				BILL TO				ANALYSIS REQUEST																			
Company Name: <u>RECS</u>				P.O. #:																							
Project Manager: <u>Laura Flores, Jacob Kamplain</u>				Company:																							
Address:				Attn:																							
City:		State:		Zip:		Address:																					
Phone #:		Fax #:		City:																							
Project #:		Project Owner:		State:																Zip:							
Project Name:				Phone #:																							
Project Location: <u>Gissler A-2 battery</u>				Fax #:																							
Sampler Name: <u>Kyle Schnaidt</u>																											
FOR LAB USE ONLY		(G)RAB OR (C)OMP. # CONTAINERS	MATRIX																	PRESERV.		SAMPLING					
Lab I.D.	Sample I.D.		GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME														
<u>H402826</u>	<u>1 point 5 @ 1.5'</u>	<u>G 1</u>			<u>X</u>					<u>X</u>	<u>9-11-14</u>	<u>10:40</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>CI</u> <u>TPH</u> <u>BTEX</u>											

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Relinquished By: <u>Kyle Schnaidt</u>	Date: <u>9-11-14</u> Time: <u>1:20</u>	Received By: <u>Jodi Henson</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Date:	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	<u>3.20</u>	Sample Condition Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	REMARKS: <u>All</u>	
			CHECKED BY: (Initials) <u>JS</u>	

* Cardinal Laboratories cannot accept verbal changes. Please fax written changes to (575) 393-2326

Appendix C

Photo Documentation

RICE Environmental Consulting and Safety (RECS)
P.O. Box 2948 Hobbs, NM 88241
Phone 575.393.2967

Burnett Gissler A-2 Battery

Unit Letter J&O, Section 14, T17S, R30E



Initial release area, facing northwest 3/20/14



Initial release area, facing southwest 3/20/14



Initial release area, facing northeast 3/20/14



Initial release area, facing south 3/20/14



Initial release area, facing southeast 3/20/14



Hand augering for depth, facing west 3/27/14



Hand augering for depth, facing southwest 3/27/14



Installing vertical, facing west 9/11/14