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By OCD; Dr. Oberding at 12:30 pm, Apr 06, 2015

CONOCOPHILLIPS

P.O. Box 2197
Houston, TX 77252-2197
Phone 281.293.1000

APPROVED

By OCD; Dr. Oberding at 12:30 pm, Apr 06, 2015

MCA Transfer Line

(1RP-3373)

Termination Request

Release Date: December 13th, 2013

Unit Letter C, Section 28, Township 17S, Range 32E

April 1, 2015

Dr. Tomáš Oberding, PhD

Environmental Specialist – New Mexico Oil Conservation Division
Energy, Minerals and Natural Resources Department
1625 N. French Dr.
Hobbs, NM 88240

RE: Termination Request

ConocoPhillips MCA Transfer Line (1RP-3373)

UL/C sec. 28 T17S R32E

Dr. Oberding:

ConocoPhillips (CoP) 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 3.1 miles southwest of Maljamar, New Mexico. The initial C-141 states that the release is situated in UL/C; however, GPS mapping shows the site is situated in UL/B sec. 28 T17S R32E. NM OSE and BLM records indicate that groundwater will likely be encountered at a depth of approximately 70 +/- feet.

On December 13th, 2013, a buried 8 inch fiberglass line was struck by a track-hoe while installing a new line. The line released 25 barrels of produced water, none of which was recovered. The line was identified and shut in. The release covered 14,704 square feet of open trench, caliche road and pasture land. NMOCD and BLM were notified of the release on December 13th, 2013, and an initial C-141 was sent to both parties. NMOCD approved the initial C-141 on October 10th, 2014 (Appendix A).

RECS personnel were on site to visually assess the release on December 20th, 2013. The release was mapped and photographed. Based on the visual assessment, a hydro-vac was used to remove the wet material from the trench. Once all the wet material was removed, samples were taken from the north wall of the trench, and two auger points were installed in the base of the trench. As the auger points were advanced, samples were taken at varying depths and field tested for chlorides and organic vapors. Representative samples from both the auger points and all three wall samples were taken to a commercial laboratory for analysis (Appendix B). Laboratory results from the wall samples confirmed chloride, Gasoline Range Organics (GRO), Diesel Range Organics (DRO) and BTEX readings at or near non-detectable levels. Laboratory sampling from both auger points revealed elevated chloride readings with depth. GRO, DRO and BTEX readings

in Auger Point 1 returned values at or near non-detectable levels at all depths. In Auger Point 2, GRO, DRO and BTEX readings were elevated at 3 ft bgs. However, the readings declined to non-detectable levels at 12 ft bgs, except for the DRO reading, which returned a result of 17.7 mg/kg. Given the elevated chloride readings with depth in both auger points, RECS installed a 20-mil reinforced poly liner measuring 130 ft x 4 ft throughout the base of the trench (Figure 1). NMOCD verbally approved the liner installation on January 8th, 2014.

On October 10th, 2014, seven points within the remainder of the release area were sampled at the surface and with depth. The soil samples were field tested for chlorides and organic vapors, and the samples were then taken to a commercial laboratory for analysis. Points 1 and 2 and Points 4 through 7 returned laboratory chloride readings below regulatory standards with depth. Point 3 returned laboratory chloride values of 7,330 mg/kg at the surface and 80 mg/kg at 2 ft bgs. GRO, DRO and BTEX readings returned values of non-detect at all points at all depths, except at the surface of Point 6, where the DRO reading was 20.8 mg/kg.

Based on the laboratory analysis of the release, a Corrective Action Plan (CAP) was submitted to NMOCD and BLM on October 30th, 2014. BLM approved the CAP on October 30th, 2014, and NMOCD approved the CAP on October 31st, 2014. The CAP stated that the area around Point 3 would be excavated to a depth of 2 ft bgs (Figure 2). To provide for the safety of equipment and personnel, the excavation would remain 3 – 5 ft from the active pipelines. Once the excavation was completed, a bottom composite would be taken and field tested for chlorides. If the field data indicated that the composite would not achieve a chloride reading below regulatory standards, the scrape would be deepened until field testing indicated that the chloride reading from the bottom composite would be below regulatory standards. The bottom composite would then be taken to a commercial laboratory to confirm that the chloride reading is below regulatory standards.

All excavated soil would be taken to a NMOCD approved facility for disposal. Clean top soil would be imported to the site to serve as backfill. A sample of the imported soil would be taken to a commercial laboratory to confirm that the chloride reading was below regulatory standards. The scrape would be backfilled with the imported soil and contoured to the surrounding location. All disturbed areas in the pasture would be seeded with a blend of native vegetation.

Corrective actions began at the site on November 25th, 2014. The release area, as stated in the CAP, was scraped down 2 ft (Figure 3). A 3 point bottom composite was taken from both the northern and southern scrape. The composites were field tested for chlorides and organic vapors and then taken to a commercial laboratory for analyses (Appendix C). The northern composite returned a laboratory chloride reading of 32 mg/kg, and the southern composite returned a laboratory chloride reading of non-detect. GRO, DRO and BTEX readings for both composites returned readings of non-detect, except for the benzene, toluene and ethyl-benzene in the southern composite. In the southern composite, the benzene reading returned a value of 0.05 mg/kg, the toluene

reading returned a value of 0.113 mg/kg and the ethyl-benzene reading returned a value of 0.062 mg/kg.

On December 5th, 2014, a request to backfill the site was sent to NMOCD and BLM. BLM approved the site to be backfilled on December 8th, 2014, and NMOCD approved the site to be backfilled on December 9th, 2014. All excavated soil, for a total of 105 cubic yards, was taken to NMOCD approved facilities for disposal. A total of 135 cubic yards of top soil was imported to the site to serve as backfill. A 5 point composite of the imported soil was taken to a commercial laboratory for analysis and returned a chloride value of non-detect. The site was backfilled with the imported top soil and contoured to the surrounding location. On December 10th, 2014, the disturbed area was seeded with a 50/50 mix of BLM #2 and BLM #3.

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

Given that CoP has completed the actions as stated in the approved CAP, CoP respectfully requests 'remediation termination' and site closure. The final C-141 can be found in Appendix E.

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,

A handwritten signature in dark ink, appearing to read 'J.C.W.' followed by a stylized flourish.

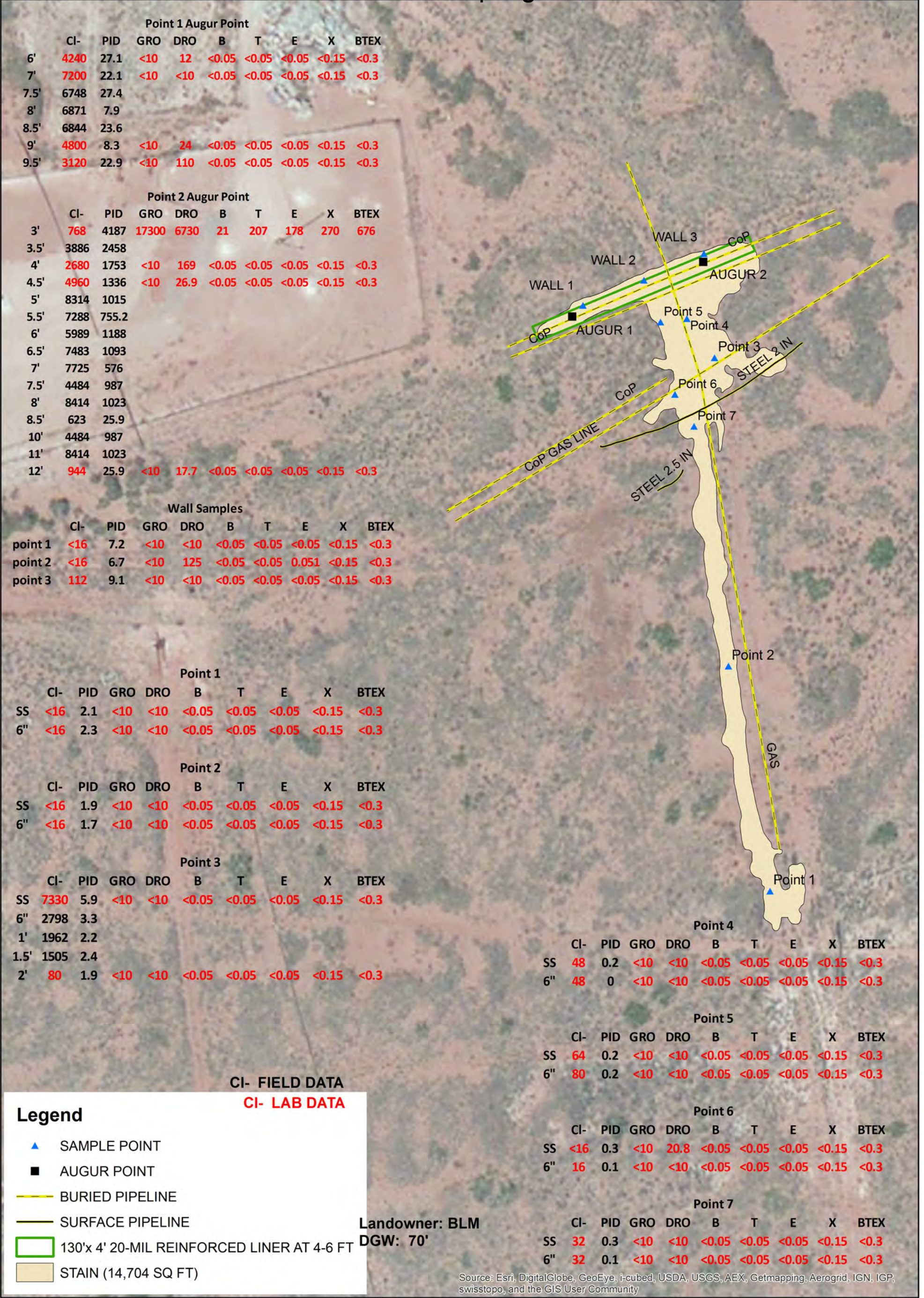
Lara Weinheimer
Project Scientist
RECS
(575) 441-0431

Attachments:

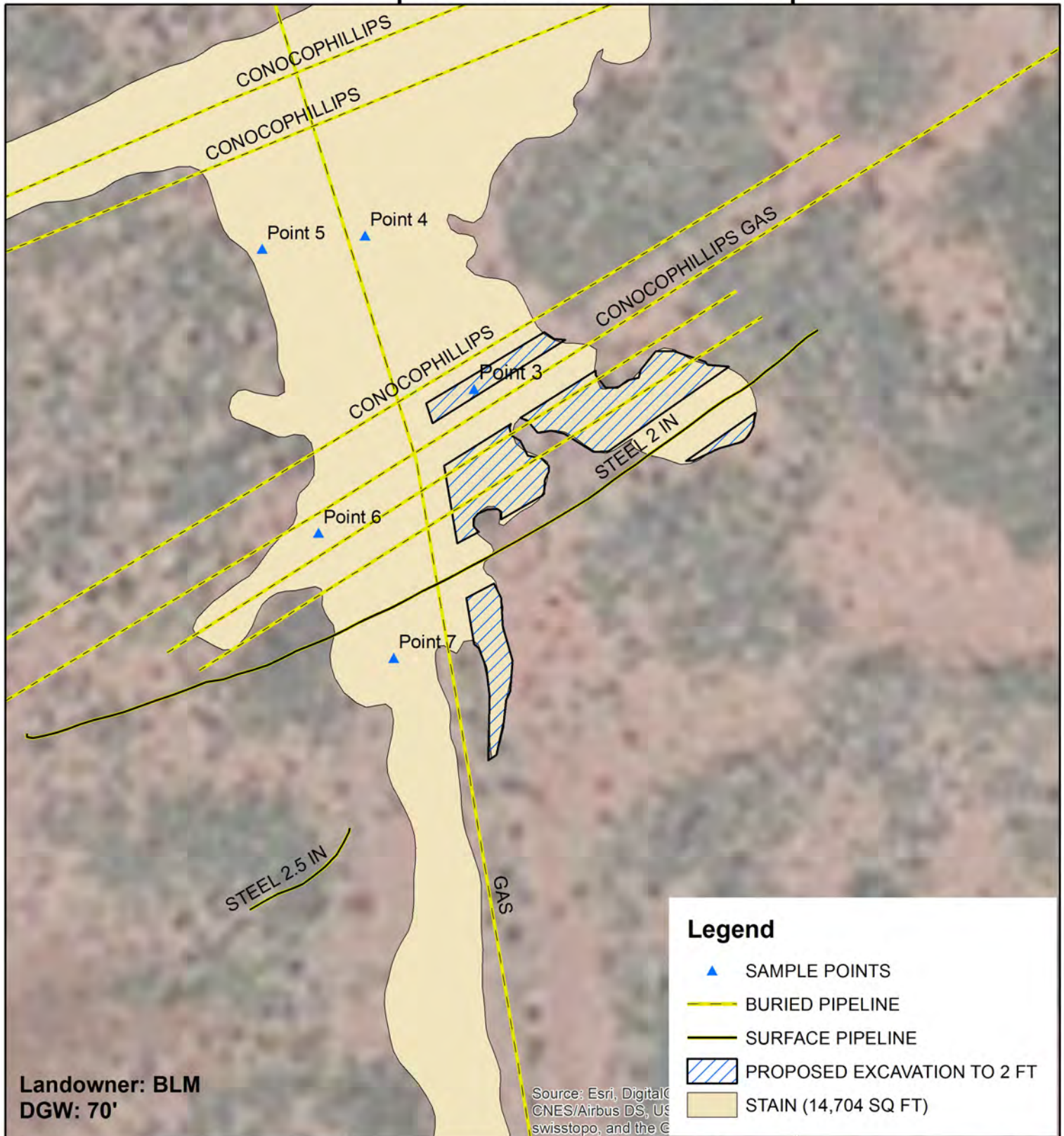
Figure 1 – Initial Sampling Data
Figure 2 – Proposed Excavation Map
Figure 3 – Excavation Data
Appendix A – Initial C-141
Appendix B – Initial Sampling Labs
Appendix C – Corrective Action Sampling Labs
Appendix D – Photo Documentation
Appendix E – Final C-141

Figures

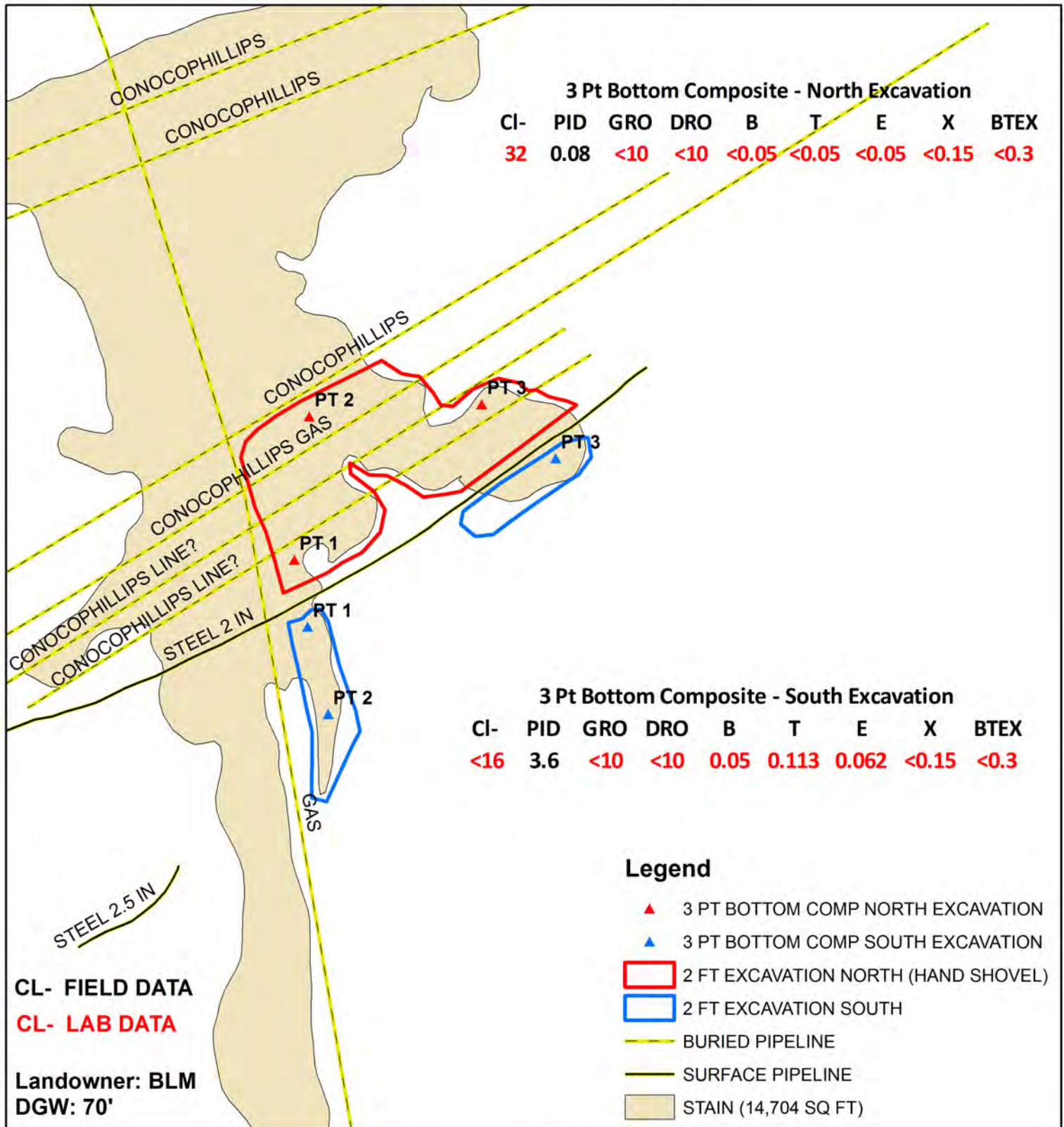
Initial Sampling Data



Proposed Excavation Map



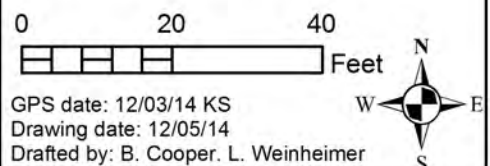
Excavation Data



CONOCOPHILLIPS MCA TRANSFER LINE

LEGALS: UL/B SEC. 28
T17S R32E
LEA COUNTY, NM

Figure 3



Appendix A

Initial C-141

ogrid 217817
f701428 343353
n701428 343576
p701428 343802

Appendix B

Initial Sampling Labs

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

January 09, 2014

JACOB KAMPLAIN

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

419 W. CAIN

HOBBS, NM 88240

RE: MCA TRANSFER LINE

Enclosed are the results of analyses for samples received by the laboratory on 01/08/14 16:35.

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:	01/08/2014	Sampling Date:	01/07/2014
Reported:	01/09/2014	Sampling Type:	Soil
Project Name:	MCA TRANSFER LINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT. 1 WALL (H400065-01)

BTX 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	01/09/2014	ND	1.86	93.1	2.00	2.40	
Toluene*	<0.050	0.050	01/09/2014	ND	1.85	92.5	2.00	2.47	
Ethylbenzene*	<0.050	0.050	01/09/2014	ND	1.90	94.8	2.00	2.46	
Total Xylenes*	<0.150	0.150	01/09/2014	ND	5.64	93.9	6.00	1.54	
Total BTX	<0.300	0.300	01/09/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	01/09/2014	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	01/09/2014	ND	176	88.2	200	7.91	
DRO >C10-C28	<10.0	10.0	01/09/2014	ND	178	89.2	200	7.01	

Surrogate: 1-Chlorooctane 94.1 % 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:	01/08/2014	Sampling Date:	01/07/2014
Reported:	01/09/2014	Sampling Type:	Soil
Project Name:	MCA TRANSFER LINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT. 2 WALL (H400065-02)

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	01/09/2014	ND	1.86	93.1	2.00	2.40		
Toluene*	<0.050	0.050	01/09/2014	ND	1.85	92.5	2.00	2.47		
Ethylbenzene*	0.051	0.050	01/09/2014	ND	1.90	94.8	2.00	2.46		
Total Xylenes*	<0.150	0.150	01/09/2014	ND	5.64	93.9	6.00	1.54		
Total BTEx	<0.300	0.300	01/09/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 89.4-126

Chloride, SM4500CI-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	01/09/2014	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	01/09/2014	ND	176	88.2	200	7.91	
DRO >C10-C28	125	10.0	01/09/2014	ND	178	89.2	200	7.01	

Surrogate: 1-Chlorooctane 86.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 91.7 % 63.6-154

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

Received: 01/08/2014
Reported: 01/09/2014
Project Name: MCA TRANSFER LINE
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 01/07/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: PT. 3 WALL (H400065-03)

BTX 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	01/09/2014	ND	1.86	93.1	2.00	2.40	
Toluene*	<0.050	0.050	01/09/2014	ND	1.85	92.5	2.00	2.47	
Ethylbenzene*	<0.050	0.050	01/09/2014	ND	1.90	94.8	2.00	2.46	
Total Xylenes*	<0.150	0.150	01/09/2014	ND	5.64	93.9	6.00	1.54	
Total BTX	<0.300	0.300	01/09/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	112	16.0	01/09/2014	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	01/09/2014	ND	176	88.2	200	7.91	
DRO >C10-C28	<10.0	10.0	01/09/2014	ND	178	89.2	200	7.01	

Surrogate: 1-Chlorooctane 89.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 88.1 % 63.6-154

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

Received: 01/08/2014
Reported: 01/09/2014
Project Name: MCA TRANSFER LINE
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 01/07/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: PT. 1 @ 6' (H400065-04)

BTX 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	01/09/2014	ND	1.86	93.1	2.00	2.40		
Toluene*	<0.050	0.050	01/09/2014	ND	1.85	92.5	2.00	2.47		
Ethylbenzene*	<0.050	0.050	01/09/2014	ND	1.90	94.8	2.00	2.46		
Total Xylenes*	<0.150	0.150	01/09/2014	ND	5.64	93.9	6.00	1.54		
Total BTX	<0.300	0.300	01/09/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	4240	16.0	01/09/2014	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	01/09/2014	ND	176	88.2	200	7.91	
DRO >C10-C28	12.0	10.0	01/09/2014	ND	178	89.2	200	7.01	

Surrogate: 1-Chlorooctane 88.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 89.4 % 63.6-154

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Fax To: (575) 397-1471

Received: 01/08/2014
Reported: 01/09/2014
Project Name: MCA TRANSFER LINE
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 01/07/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: PT. 1 @ 7' (H400065-05)

BTX 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	01/09/2014	ND	1.86	93.1	2.00	2.40		
Toluene*	<0.050	0.050	01/09/2014	ND	1.85	92.5	2.00	2.47		
Ethylbenzene*	<0.050	0.050	01/09/2014	ND	1.90	94.8	2.00	2.46		
Total Xylenes*	<0.150	0.150	01/09/2014	ND	5.64	93.9	6.00	1.54		
Total BTX	<0.300	0.300	01/09/2014	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	7200	16.0	01/09/2014	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	01/09/2014	ND	176	88.2	200	7.91	
DRO >C10-C28	<10.0	10.0	01/09/2014	ND	178	89.2	200	7.01	

Surrogate: 1-Chlorooctane 89.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 88.6 % 63.6-154

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*=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:	01/08/2014	Sampling Date:	01/07/2014
Reported:	01/09/2014	Sampling Type:	Soil
Project Name:	MCA TRANSFER LINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT. 1 @ 9' (H400065-06)

BTX 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	01/09/2014	ND	1.86	93.1	2.00	2.40		
Toluene*	<0.050	0.050	01/09/2014	ND	1.85	92.5	2.00	2.47		
Ethylbenzene*	<0.050	0.050	01/09/2014	ND	1.90	94.8	2.00	2.46		
Total Xylenes*	<0.150	0.150	01/09/2014	ND	5.64	93.9	6.00	1.54		
Total BTX	<0.300	0.300	01/09/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	4800	16.0	01/09/2014	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	01/09/2014	ND	176	88.2	200	7.91	
DRO >C10-C28	24.0	10.0	01/09/2014	ND	178	89.2	200	7.01	

Surrogate: 1-Chlorooctane 95.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 96.7 % 63.6-154

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*=Accredited Analyte

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 HOBBS NM, 88240
 Fax To: (575) 397-1471

Received:	01/08/2014	Sampling Date:	01/07/2014
Reported:	01/09/2014	Sampling Type:	Soil
Project Name:	MCA TRANSFER LINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT. 1 @ 9.5 (H400065-07)

BTX 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	01/09/2014	ND	1.86	93.1	2.00	2.40	
Toluene*	<0.050	0.050	01/09/2014	ND	1.85	92.5	2.00	2.47	
Ethylbenzene*	<0.050	0.050	01/09/2014	ND	1.90	94.8	2.00	2.46	
Total Xylenes*	<0.150	0.150	01/09/2014	ND	5.64	93.9	6.00	1.54	
Total BTX	<0.300	0.300	01/09/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	3120	16.0	01/09/2014	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	01/09/2014	ND	176	88.2	200	7.91	
DRO >C10-C28	110	10.0	01/09/2014	ND	178	89.2	200	7.01	

Surrogate: 1-Chlorooctane 89.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 91.2 % 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

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 10 of 10

[illegible]

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Relinquished By:		Date:	Received By:	Phone Result:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Add'l Phone #:
1 Kyle Schnadt		Time:	Jodi Henson	Fax Result:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Add'l Fax #:
Relinquished By:		Date:	Received By:	REMARKS:			
		Time:		email results			
Delivered By: (Circle One)		Sample Condition		Knorman@rice-ecs.com			
Sampler - UPS - Bus - Other:		Cool Intact		Kjones@riceswd.com; jkamplain@rice-ecs.com			
		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		hconder@rice-ecs.com; Lweinheimer@rice-ecs.com			
		CHECKED BY:					
		(Initials)					

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

505-393-2476
#54

RUSH!!



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

January 13, 2014

JACOB KAMPLAIN

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

419 W. CAIN

HOBBS, NM 88240

RE: MCA TRANSFER LINE

Enclosed are the results of analyses for samples received by the laboratory on 01/08/14 16:35.

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, stylized '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:	01/08/2014	Sampling Date:	01/08/2014
Reported:	01/13/2014	Sampling Type:	Soil
Project Name:	MCA TRANSFER LINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT. 2 @ 3' (H400066-01)

BTX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	21.0	5.00	01/09/2014	ND	1.86	93.1	2.00	2.40	
Toluene*	207	5.00	01/09/2014	ND	1.85	92.5	2.00	2.47	
Ethylbenzene*	178	5.00	01/09/2014	ND	1.90	94.8	2.00	2.46	
Total Xylenes*	270	15.0	01/09/2014	ND	5.64	93.9	6.00	1.54	
Total BTX	676	30.0	01/09/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 130 % 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	768	16.0	01/09/2014	ND	400	100	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	6730	200	01/09/2014	ND	176	88.2	200	7.91	
DRO >C10-C28	17300	200	01/09/2014	ND	178	89.2	200	7.01	

Surrogate: 1-Chlorooctane 260 % 65.2-140

Surrogate: 1-Chlorooctadecane 414 % 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: 01/08/2014
 Reported: 01/13/2014
 Project Name: MCA TRANSFER LINE
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 01/08/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: PT. 2 @ 4.5' (H400066-02)

BTX 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	01/09/2014	ND	1.86	93.1	2.00	2.40		
Toluene*	<0.050	0.050	01/09/2014	ND	1.85	92.5	2.00	2.47		
Ethylbenzene*	<0.050	0.050	01/09/2014	ND	1.90	94.8	2.00	2.46		
Total Xylenes*	<0.150	0.150	01/09/2014	ND	5.64	93.9	6.00	1.54		
Total BTX	<0.300	0.300	01/09/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4960	16.0	01/09/2014	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	01/09/2014	ND	176	88.2	200	7.91	
DRO >C10-C28	26.9	10.0	01/09/2014	ND	178	89.2	200	7.01	

Surrogate: 1-Chlorooctane 90.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 92.1 % 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:	01/08/2014	Sampling Date:	01/08/2014
Reported:	01/13/2014	Sampling Type:	Soil
Project Name:	MCA TRANSFER LINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT. 2 @ 4' (H400066-03)

BTX 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	01/09/2014	ND	1.86	93.1	2.00	2.40		
Toluene*	<0.050	0.050	01/09/2014	ND	1.85	92.5	2.00	2.47		
Ethylbenzene*	<0.050	0.050	01/09/2014	ND	1.90	94.8	2.00	2.46		
Total Xylenes*	<0.150	0.150	01/09/2014	ND	5.64	93.9	6.00	1.54		
Total BTX	<0.300	0.300	01/09/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2680	16.0	01/09/2014	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	01/09/2014	ND	176	88.2	200	7.91	
DRO >C10-C28	169	10.0	01/09/2014	ND	178	89.2	200	7.01	

Surrogate: 1-Chlorooctane 95.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 102 % 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:	01/08/2014	Sampling Date:	01/08/2014
Reported:	01/13/2014	Sampling Type:	Soil
Project Name:	MCA TRANSFER LINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: PT.2 @ 12' (H400066-04)

BTX 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	01/09/2014	ND	1.86	93.1	2.00	2.40		
Toluene*	<0.050	0.050	01/09/2014	ND	1.85	92.5	2.00	2.47		
Ethylbenzene*	<0.050	0.050	01/09/2014	ND	1.90	94.8	2.00	2.46		
Total Xylenes*	<0.150	0.150	01/09/2014	ND	5.64	93.9	6.00	1.54		
Total BTX	<0.300	0.300	01/09/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	944	16.0	01/09/2014	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	01/09/2014	ND	176	88.2	200	7.91	
DRO >C10-C28	17.7	10.0	01/09/2014	ND	178	89.2	200	7.01	

Surrogate: 1-Chlorooctane 89.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 93.4 % 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.
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

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Relinquished By:		Date:	Received By:	Phone Result:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:
Kyle Schmidt		Time:	Jodi Benson	Fax Result:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Fax #:
Relinquished By:		Date:	Received By:	REMARKS:		
		Time:		email results		
Delivered By: (Circle One)		Sample Condition		Knorman@rice-ecs.com		
Sampler - UPS - Bus - Other:		Cool Intact		Kjones@riceswd.com; jkamplain@rice-ecs.com		
		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No		hconder@rice-ecs.com; Lweinheimer@rice-ecs.com		
		CHECKED BY:		* Sample id revised as per Lara. 11/6/14		
		(Initials)				

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

#54

id revised as per Lara. 11/14/14 Ch
RUST!!

August 22, 2014

JACOB KAMPLAIN

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

419 W. CAIN

HOBBS, NM 88240

RE: MCA TRANSFER LINE

Enclosed are the results of analyses for samples received by the laboratory on 08/19/14 16:10.

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: 08/19/2014
Reported: 08/22/2014
Project Name: MCA TRANSFER LINE
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 08/19/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: PT. 1 @ SURFACE (H402543-01)

BTX 8021B		mg/kg		Analyzed By: ck					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/20/2014	ND	1.80	89.8	2.00	5.15	
Toluene*	<0.050	0.050	08/20/2014	ND	1.65	82.6	2.00	4.46	
Ethylbenzene*	<0.050	0.050	08/20/2014	ND	1.84	91.8	2.00	4.49	
Total Xylenes*	<0.150	0.150	08/20/2014	ND	5.47	91.1	6.00	5.21	
Total BTX	<0.300	0.300	08/20/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	08/20/2014	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/20/2014	ND	187	93.3	200	1.35	
DRO >C10-C28	<10.0	10.0	08/20/2014	ND	194	96.9	200	2.36	

Surrogate: 1-Chlorooctane 95.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 110 % 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: 08/19/2014
Reported: 08/22/2014
Project Name: MCA TRANSFER LINE
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 08/19/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: PT. 1 @ 6" (H402543-02)

BTX 8021B		mg/kg		Analyzed By: ck						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/20/2014	ND	1.80	89.8	2.00	5.15		
Toluene*	<0.050	0.050	08/20/2014	ND	1.65	82.6	2.00	4.46		
Ethylbenzene*	<0.050	0.050	08/20/2014	ND	1.84	91.8	2.00	4.49		
Total Xylenes*	<0.150	0.150	08/20/2014	ND	5.47	91.1	6.00	5.21		
Total BTX	<0.300	0.300	08/20/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 89.4-126

Chloride, SM4500CI-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	08/20/2014	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/20/2014	ND	187	93.3	200	1.35	
DRO >C10-C28	<10.0	10.0	08/20/2014	ND	194	96.9	200	2.36	

Surrogate: 1-Chlorooctane 96.2 % 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: 08/19/2014
Reported: 08/22/2014
Project Name: MCA TRANSFER LINE
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 08/19/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: PT. 2 @ SURFACE (H402543-03)

BTX 8021B		mg/kg		Analyzed By: ck						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/20/2014	ND	1.80	89.8	2.00	5.15		
Toluene*	<0.050	0.050	08/20/2014	ND	1.65	82.6	2.00	4.46		
Ethylbenzene*	<0.050	0.050	08/20/2014	ND	1.84	91.8	2.00	4.49		
Total Xylenes*	<0.150	0.150	08/20/2014	ND	5.47	91.1	6.00	5.21		
Total BTX	<0.300	0.300	08/20/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 89.4-126

Chloride, SM4500CI-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	08/20/2014	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/20/2014	ND	187	93.3	200	1.35	
DRO >C10-C28	<10.0	10.0	08/20/2014	ND	194	96.9	200	2.36	

Surrogate: 1-Chlorooctane 96.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 109 % 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: 08/19/2014
Reported: 08/22/2014
Project Name: MCA TRANSFER LINE
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 08/19/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: PT. 2 @ 6" (H402543-04)

BTX 8021B		mg/kg		Analyzed By: ck						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/20/2014	ND	1.80	89.8	2.00	5.15		
Toluene*	<0.050	0.050	08/20/2014	ND	1.65	82.6	2.00	4.46		
Ethylbenzene*	<0.050	0.050	08/20/2014	ND	1.84	91.8	2.00	4.49		
Total Xylenes*	<0.150	0.150	08/20/2014	ND	5.47	91.1	6.00	5.21		
Total BTX	<0.300	0.300	08/20/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 89.4-126

Chloride, SM4500CI-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	08/20/2014	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/20/2014	ND	187	93.3	200	1.35	
DRO >C10-C28	<10.0	10.0	08/20/2014	ND	194	96.9	200	2.36	

Surrogate: 1-Chlorooctane 95.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 111 % 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: 08/19/2014
Reported: 08/22/2014
Project Name: MCA TRANSFER LINE
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 08/19/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: PT. 3 @ SURFACE (H402543-05)

BTX 8021B		mg/kg		Analyzed By: ck						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/20/2014	ND	1.80	89.8	2.00	5.15		
Toluene*	<0.050	0.050	08/20/2014	ND	1.65	82.6	2.00	4.46		
Ethylbenzene*	<0.050	0.050	08/20/2014	ND	1.84	91.8	2.00	4.49		
Total Xylenes*	<0.150	0.150	08/20/2014	ND	5.47	91.1	6.00	5.21		
Total BTX	<0.300	0.300	08/20/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7330	16.0	08/20/2014	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/20/2014	ND	187	93.3	200	1.35	
DRO >C10-C28	<10.0	10.0	08/20/2014	ND	194	96.9	200	2.36	

Surrogate: 1-Chlorooctane 96.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 114 % 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: 08/19/2014
 Reported: 08/22/2014
 Project Name: MCA TRANSFER LINE
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

 Sampling Date: 08/19/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: PT. 3 @ 2' (H402543-06)

BTEx 8021B		mg/kg		Analyzed By: ck						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/20/2014	ND	1.80	89.8	2.00	5.15		
Toluene*	<0.050	0.050	08/20/2014	ND	1.65	82.6	2.00	4.46		
Ethylbenzene*	<0.050	0.050	08/20/2014	ND	1.84	91.8	2.00	4.49		
Total Xylenes*	<0.150	0.150	08/20/2014	ND	5.47	91.1	6.00	5.21		
Total BTEx	<0.300	0.300	08/20/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	80.0	16.0	08/20/2014	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/20/2014	ND	187	93.3	200	1.35	
DRO >C10-C28	<10.0	10.0	08/20/2014	ND	194	96.9	200	2.36	

Surrogate: 1-Chlorooctane 98.2 % 65.2-140

Surrogate: 1-Chlorooctadecane 112 % 63.6-154

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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

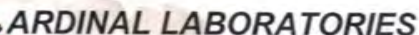
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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Relinquished By:		Date:	Received By:		Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Add'l Phone #:
<i>Kyle Schneider</i>		<i>8-19-14</i>	<i>Jodi Benson</i>		Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Add'l Fax #:
Time:					REMARKS:		
<i>4:10</i>					email: hconder@riceswd.com; lflores@rice-ecs.com;		
Relinquished By:		Date:	Received By:		lweinheimer@rice-ecs.com; knorman@rice-ecs.com;		
					jkamplain@rice-ecs.com; sedwards@rice-ecs.com;		
Time:					cursanic@rice-ecs.com		
Delivered By: (Circle One)		Sample Condition		CHECKED BY:	Environmental Tech: @rice-ecs.com		
Sampler - UPS - Bus - Other:		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		(Initials) <i>[Signature]</i>			

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

#54

October 13, 2014

KYLE NORMAN

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

419 W. CAIN

HOBBS, NM 88240

RE: MCA TRANSFER LINE

Enclosed are the results of analyses for samples received by the laboratory on 10/10/14 14:40.

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

Received:	10/10/2014	Sampling Date:	10/10/2014
Reported:	10/13/2014	Sampling Type:	Soil
Project Name:	MCA TRANSFER LINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

Sample ID: POINT 4 AUGER @ SURFACE (H403126-01)

BTX 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	10/13/2014	ND	1.73	86.7	2.00	1.98	
Toluene*	<0.050	0.050	10/13/2014	ND	1.67	83.4	2.00	2.16	
Ethylbenzene*	<0.050	0.050	10/13/2014	ND	1.60	79.9	2.00	3.62	
Total Xylenes*	<0.150	0.150	10/13/2014	ND	4.77	79.5	6.00	3.41	
Total BTX	<0.300	0.300	10/13/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	10/13/2014	ND	432	108	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	<10.0	10.0	10/11/2014	ND	178	88.9	200	0.0506	
DRO >C10-C28	<10.0	10.0	10/11/2014	ND	188	94.0	200	0.737	

Surrogate: 1-Chlorooctane 107 % 47.2-157

Surrogate: 1-Chlorooctadecane 114 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 10/10/2014
Reported: 10/13/2014
Project Name: MCA TRANSFER LINE
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 10/10/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: POINT 4 AUGER @ 6" (H403126-02)

BTX 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	10/13/2014	ND	1.73	86.7	2.00	1.98	
Toluene*	<0.050	0.050	10/13/2014	ND	1.67	83.4	2.00	2.16	
Ethylbenzene*	<0.050	0.050	10/13/2014	ND	1.60	79.9	2.00	3.62	
Total Xylenes*	<0.150	0.150	10/13/2014	ND	4.77	79.5	6.00	3.41	
Total BTEX	<0.300	0.300	10/13/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/13/2014	ND	432	108	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	<10.0	10.0	10/11/2014	ND	178	88.9	200	0.0506	
DRO >C10-C28	<10.0	10.0	10/11/2014	ND	188	94.0	200	0.737	

Surrogate: 1-Chlorooctane 93.5 % 47.2-157

Surrogate: 1-Chlorooctadecane 98.3 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 10/10/2014
Reported: 10/13/2014
Project Name: MCA TRANSFER LINE
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 10/10/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: POINT 5 AUGER @ SURFACE (H403126-03)

BTX 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	10/13/2014	ND	1.73	86.7	2.00	1.98		
Toluene*	<0.050	0.050	10/13/2014	ND	1.67	83.4	2.00	2.16		
Ethylbenzene*	<0.050	0.050	10/13/2014	ND	1.60	79.9	2.00	3.62		
Total Xylenes*	<0.150	0.150	10/13/2014	ND	4.77	79.5	6.00	3.41		
Total BTX	<0.300	0.300	10/13/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	10/13/2014	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	10/11/2014	ND	178	88.9	200	0.0506	
DRO >C10-C28	<10.0	10.0	10/11/2014	ND	188	94.0	200	0.737	

Surrogate: 1-Chlorooctane 98.6 % 47.2-157

Surrogate: 1-Chlorooctadecane 105 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 10/10/2014
Reported: 10/13/2014
Project Name: MCA TRANSFER LINE
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 10/10/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: POINT 5 AUGER @ 6" (H403126-04)

BTX 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	10/13/2014	ND	1.73	86.7	2.00	1.98	
Toluene*	<0.050	0.050	10/13/2014	ND	1.67	83.4	2.00	2.16	
Ethylbenzene*	<0.050	0.050	10/13/2014	ND	1.60	79.9	2.00	3.62	
Total Xylenes*	<0.150	0.150	10/13/2014	ND	4.77	79.5	6.00	3.41	
Total BTEX	<0.300	0.300	10/13/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/13/2014	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	10/11/2014	ND	178	88.9	200	0.0506	
DRO >C10-C28	<10.0	10.0	10/11/2014	ND	188	94.0	200	0.737	

Surrogate: 1-Chlorooctane 109 % 47.2-157

Surrogate: 1-Chlorooctadecane 115 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 10/10/2014
Reported: 10/13/2014
Project Name: MCA TRANSFER LINE
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 10/10/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: POINT 6 AUGER @ SURFACE (H403126-05)

BTX 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	10/13/2014	ND	1.73	86.7	2.00	1.98	
Toluene*	<0.050	0.050	10/13/2014	ND	1.67	83.4	2.00	2.16	
Ethylbenzene*	<0.050	0.050	10/13/2014	ND	1.60	79.9	2.00	3.62	
Total Xylenes*	<0.150	0.150	10/13/2014	ND	4.77	79.5	6.00	3.41	
Total BTEX	<0.300	0.300	10/13/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 61-154

Chloride, SM4500CI-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	10/13/2014	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	10/11/2014	ND	178	88.9	200	0.0506	
DRO >C10-C28	20.8	10.0	10/11/2014	ND	188	94.0	200	0.737	

Surrogate: 1-Chlorooctane 106 % 47.2-157

Surrogate: 1-Chlorooctadecane 112 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 10/10/2014
Reported: 10/13/2014
Project Name: MCA TRANSFER LINE
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 10/10/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: POINT 6 AUGER @ 6" (H403126-06)

BTX 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	10/13/2014	ND	1.73	86.7	2.00	1.98	
Toluene*	<0.050	0.050	10/13/2014	ND	1.67	83.4	2.00	2.16	
Ethylbenzene*	<0.050	0.050	10/13/2014	ND	1.60	79.9	2.00	3.62	
Total Xylenes*	<0.150	0.150	10/13/2014	ND	4.77	79.5	6.00	3.41	
Total BTX	<0.300	0.300	10/13/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 61-154

Chloride, SM4500CI-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	10/13/2014	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	10/11/2014	ND	178	88.9	200	0.0506	
DRO >C10-C28	<10.0	10.0	10/11/2014	ND	188	94.0	200	0.737	

Surrogate: 1-Chlorooctane 104 % 47.2-157

Surrogate: 1-Chlorooctadecane 107 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	10/10/2014	Sampling Date:	10/10/2014
Reported:	10/13/2014	Sampling Type:	Soil
Project Name:	MCA TRANSFER LINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

Sample ID: POINT 7 AUGER @ SURFACE (H403126-07)

BTX 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	10/13/2014	ND	1.73	86.7	2.00	1.98		
Toluene*	<0.050	0.050	10/13/2014	ND	1.67	83.4	2.00	2.16		
Ethylbenzene*	<0.050	0.050	10/13/2014	ND	1.60	79.9	2.00	3.62		
Total Xylenes*	<0.150	0.150	10/13/2014	ND	4.77	79.5	6.00	3.41		
Total BTEX	<0.300	0.300	10/13/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 61-154

Chloride, SM4500CI-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	10/13/2014	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	10/11/2014	ND	178	88.9	200	0.0506	
DRO >C10-C28	<10.0	10.0	10/11/2014	ND	188	94.0	200	0.737	

Surrogate: 1-Chlorooctane 108 % 47.2-157

Surrogate: 1-Chlorooctadecane 110 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	10/10/2014	Sampling Date:	10/10/2014
Reported:	10/13/2014	Sampling Type:	Soil
Project Name:	MCA TRANSFER LINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN		

Sample ID: POINT 7 AUGER @ 6" (H403126-08)

BTX 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	10/13/2014	ND	1.73	86.7	2.00	1.98		
Toluene*	<0.050	0.050	10/13/2014	ND	1.67	83.4	2.00	2.16		
Ethylbenzene*	<0.050	0.050	10/13/2014	ND	1.60	79.9	2.00	3.62		
Total Xylenes*	<0.150	0.150	10/13/2014	ND	4.77	79.5	6.00	3.41		
Total BTX	<0.300	0.300	10/13/2014	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 61-154

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	10/13/2014	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	10/11/2014	ND	178	88.9	200	0.0506	
DRO >C10-C28	<10.0	10.0	10/11/2014	ND	188	94.0	200	0.737	

Surrogate: 1-Chlorooctane 107 % 47.2-157

Surrogate: 1-Chlorooctadecane 116 % 52.1-176

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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

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Celey D. Keene, Lab Director/Quality Manager



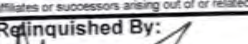
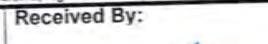



101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603
(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325) 673-7020

RUSH

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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Relinquished By: 		Date: 10-10-2011 Time: 2:40p	Received By: 	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Phone #: Add'l Fax #: REMARKS:
Relinquished By: 		Date: Time:	Received By: 	email results: hconder@rice-ecs.com; knorman@rice-ecs.com; jkamplain@rice-ecs.com; regans@rice-ecs.com; lflores@rice-ecs.com; lweinheimer@rice-ecs.com; cursanic@rice-ecs.com environmental tech: cflores@rice-ecs.com
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		5.8°C	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	CHECKED BY: (Initials) 

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

#54

Appendix C

Corrective Action Sampling Labs

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

December 04, 2014

LAURA FLORES

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

419 W. CAIN

HOBBS, NM 88240

RE: MCA TRANSFER LINE

Enclosed are the results of analyses for samples received by the laboratory on 12/03/14 15:15.

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

Received:	12/03/2014	Sampling Date:	12/03/2014
Reported:	12/04/2014	Sampling Type:	Soil
Project Name:	MCA TRANSFER LINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: 3 PT. COMP 2' EXC (H403687-01)

BTX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2014	ND	1.96	97.8	2.00	2.18	
Toluene*	<0.050	0.050	12/04/2014	ND	1.93	96.5	2.00	1.89	
Ethylbenzene*	<0.050	0.050	12/04/2014	ND	1.83	91.7	2.00	1.94	
Total Xylenes*	<0.150	0.150	12/04/2014	ND	5.63	93.8	6.00	2.05	
Total BTX	<0.300	0.300	12/04/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 61-154

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	12/04/2014	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/04/2014	ND	199	99.5	200	0.653	
DRO >C10-C28	<10.0	10.0	12/04/2014	ND	204	102	200	0.660	

Surrogate: 1-Chlorooctane 136 % 47.2-157

Surrogate: 1-Chlorooctadecane 155 % 52.1-176

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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



CARDINAL 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

RUSH $\downarrow \downarrow \downarrow$

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO										ANALYSIS REQUEST											
Company Name: RECS					P.O. #:					Chlorides	TPH 8015 M	BTEX	Texas TPH	Complete Cations/Anions	TDS						
Project Manager: Laura Flores, Kyle Norman					Company:																
Address:					Attn:																
City: Hobbs State: NM Zip: 88240					Address:																
Phone #: Fax #:					City:																
Project #: Project Owner:					State: Zip:																
Project Name:					Phone #:																
Project Location: MCA Transfer Line					Fax #:																
Sampler Name: Kyle Schnaidt																					
FOR LAB USE ONLY		Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	MATRIX	PRESERV.	SAMPLING	DATE	TIME			
H403687		1		3 point composite 2' excavation		C				X							12-3-14	9:30	X	X	

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

Relinquished By:	Date:	Received By:	Phone Result:	Fax Result:	REMARKS:
Kyle Schnaidt	12-3-14	Jodi Benson	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	email: hconder@riceswd.com; lflores@rice-ecs.com;
Relinquished By:	Date:	Received By:			lweinheimer@rice-ecs.com; knorman@rice-ecs.com;
	Time:				jkamplain@rice-ecs.com; sedwards@rice-ecs.com;
Delivered By: (Circle One)		Sample Condition	CHECKED BY:		cursanic@rice-ecs.com
Sampler - UPS - Bus - Other:		Cool Intact	(Initials)		Environmental Tech: K Schnaidt @rice-ecs.com
		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	[Signature]		

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

#54



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

November 26, 2014

LAURA FLORES

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

419 W. CAIN

HOBBS, NM 88240

RE: MCA TRANSFER LINE

Enclosed are the results of analyses for samples received by the laboratory on 11/25/14 16:00.

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 "Hope S. Moreno". The signature is fluid and cursive, with the first letters of each word being capitalized and prominent.

Hope S. Moreno For Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received:	11/25/2014	Sampling Date:	11/25/2014
Reported:	11/26/2014	Sampling Type:	Soil
Project Name:	MCA TRANSFER LINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Kathy Perez
Project Location:	NOT GIVEN		

Sample ID: 3 POINT COMPOSTIRE 2' EXCAVATION (H403634-01)

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	11/25/2014	ND	1.73	86.5	2.00	6.14	
Toluene*	0.113	0.050	11/25/2014	ND	1.71	85.5	2.00	6.80	
Ethylbenzene*	0.062	0.050	11/25/2014	ND	1.71	85.3	2.00	7.55	
Total Xylenes*	<0.150	0.150	11/25/2014	ND	5.19	86.4	6.00	7.82	
Total BTEX	<0.300	0.300	11/25/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 61-154

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	11/26/2014	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	11/25/2014	ND	197	98.7	200	0.107	
DRO >C10-C28	<10.0	10.0	11/25/2014	ND	198	99.1	200	1.15	

Surrogate: 1-Chlorooctane 108 % 47.2-157

Surrogate: 1-Chlorooctadecane 122 % 52.1-176

Cardinal Laboratories

*=Accredited Analyte

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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Hope S. Moreno For 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

Cardinal Laboratories

*=Accredited Analyte

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Hope S. Moreno For Celey D. Keene, Lab Director/Quality Manager



PUSH $\downarrow \downarrow \downarrow$
x x x

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

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

Relinquished By: <u>Kyle Schnaidt</u> Date: <u>11-25-14</u> Time: <u>4:00</u>				Received By: <u>[Signature]</u> Date: <u>11-25-14</u> Time: <u>4:00</u>				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: <u> </u> Add'l Fax #: <u> </u> REMARKS: <u>All Plz</u>			
Relinquished By: <u> </u> Date: <u> </u> Time: <u> </u>				Received By: <u> </u> Date: <u> </u> Time: <u> </u>				REMARKS: <u> </u>			
Delivered By: (Circle One) Sampler - UPS - Bus - Other: <u>5.0°C</u>				Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: (Initials) <u>KP</u>					

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

December 30, 2014

KYLE NORMAN

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

419 W. CAIN

HOBBS, NM 88240

RE: MCA TRANSFER LINE

Enclosed are the results of analyses for samples received by the laboratory on 12/10/14 15:50.

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

Received: 12/10/2014
Reported: 12/30/2014
Project Name: MCA TRANSFER LINE
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 12/10/2014
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Kathy Perez

Sample ID: 5 PT. COMP IMPORTED TOPSOIL (H403771-01)**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	12/11/2014	ND	400	100	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

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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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>REGS</u>		BILL TO		ANALYSIS REQUEST																								
Project Manager: <u>Loren Flores, Kyle Norman</u>		P.O. #:																										
Address:		Company:																										
City:	State:	Zip:	Attn:																									
Phone #:	Fax #:	Address:																										
Project #:	Project Owner:		City:																									
Project Name:			State:													Zip:												
Project Location: <u>*MCA Well #275 Transfer Line</u>			Phone #:																									
Sampler Name: <u>Kyle Schmidt</u>			Fax #:																									
FOR LAB USE ONLY	Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX			PRESERV.	SAMPLING																			
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME													
	<u>H403771</u>	<u>1 Spout composition port topsoil</u>	<u>C</u>	<u>1</u>				<u>X</u>				<u>X</u>		<u>12-10-14</u>	<u>3:30</u>	<u>X</u>												

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

Relinquished By: <u>Kyle Schmidt</u>	Date: <u>12-10-14</u> Time: <u>3:50</u>	Received By: <u>[Signature]</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)	Time:	Sample Condition	REMARKS: <u>All Plz</u>	
Sampler - UPS - Bus - Other:		Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	* Project name changed as per Kyle. 12/18/14 <u>ch</u>	
	<u>12.60</u>	Checked By: <u>RP</u>		

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

Appendix D

Photo Documentation

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

ConocoPhillips MCA Transfer Line

Unit Letter B, Section 28, T17S, R32E



Initial release area, facing south

12/20/13



Initial release area, facing west

12/20/13



Initial release area, facing northwest

12/20/13



Initial release area, facing southwest

12/20/13



Sampling release, facing south

12/23/13



Excavating vertical, facing east

1/8/14



Hydro excavation, facing northeast

1/7/14



Excavation ready for liner, facing southwest

1/9/14



Installing liner in excavation, facing west 1/9/14



Liner installation completed, facing west 1/9/14



Beginning the south 2 ft excavation, facing southeast 11/25/14



Exporting soil, facing east 11/25/14



South excavation completed, facing east 12/3/14



South excavation completed, facing north 12/3/14



North excavation completed, facing south 12/3/14



Importing top soil, facing north 12/9/14



Backfilling site, facing southwest

12/9/14



Backfilling completed, facing northeast

12/10/14



Seeding site, facing northwest

12/10/14



Site completed, facing southeast

12/10/14



Site completed, facing west

12/10/14



Site completed, facing northeast

12/10/14

Appendix E

Final 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 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-141
Revised August 8, 2011

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company	ConocoPhillips	Contact	
Address	1410 N West County Road, Hobbs	Telephone No.	
Facility Name	Transfer Line	Facility Type	Pipeline
Surface Owner	Federal	Mineral Owner	N/A
		API No.	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	28	17S	32E	680'	FNL	1980'	FWL	Lea

Latitude 32.8110202208679 Longitude 103.77358375187

NATURE OF RELEASE


Type of Release	Produced Water	Volume of Release	25 bbls	Volume Recovered	0
Source of Release	Transfer Line	Date and Hour of Occurrence	12/13/13 0850 hours	Date and Hour of Discovery	SAME
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Geoffrey Leking		
By Whom?	Jose A Zepeda	Date and Hour	12/13/13 1445 hours		
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.* ☐ As the track-hoe was being operated by the contract excavation company, the operator struck an 8 inch fiberglass line that transfers produced water from Station #2 and Station #4. The line was identified and shut in.

Describe Area Affected and Cleanup Action Taken.* The release covered 14,704 square feet of open trench, caliche road and pasture land. RECS personnel were on site to visually assess the release on December 20th, 2013. Based on the visual assessment, a hydro-vac was used to remove the wet material from the trench. Once all the wet material was removed, samples were taken from the north wall of the trench, and two auger points were installed in the base of the trench. Given the elevated chloride readings with depth in both auger points, RECS installed a 20-mil reinforced poly liner measuring 130 ft x 4 ft throughout the base of the trench. NMOCD verbally approved the liner installation on January 8th, 2014. On October 10th, 2014, seven points within the remainder of the release area were sampled at the surface and with depth. The soil samples were field tested for chlorides and organic vapors, and the samples were then taken to a commercial laboratory for analysis. Based on the laboratory analysis of the release, a CAP was submitted to NMOCD and BLM on October 30th, 2014. BLM approved the CAP on October 30th, 2014, and NMOCD approved the CAP on October 31st, 2014. Corrective actions began at the site on November 25th, 2014. The release area, as stated in the CAP, was scraped down 2 ft. A 3 point bottom composite was taken from both the northern and southern scrape. The composites were taken to a commercial laboratory for analyses. On December 5th, 2014, a request to backfill the site was sent to NMOCD and BLM. BLM approved the site to be backfilled on December 8th, 2014, and NMOCD approved the site to be backfilled on December 9th, 2014. All excavated soil, for a total of 105 cubic yards, was taken to NMOCD approved facilities for disposal. A total of 135 cubic yards of top soil was imported to the site to serve as backfill. A 5 point composite of the imported soil was taken to a commercial laboratory for analysis. The site was backfilled with the imported top soil and contoured to the surrounding location. On December 10th, 2014, the disturbed area was seeded with a 50/50 mix of BLM #2 and BLM #3.

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: 	OIL CONSERVATION DIVISION		
Printed Name: <u>SEAN ROBINSON</u>	Approved by Environmental Specialist:		
Title: <u>OPERATIONS SUPERVISOR</u>	Approval Date:	Expiration Date:	
E-mail Address: <u>stobin@cp.com</u>	Conditions of Approval:		Attached <input type="checkbox"/>
Date: <u>2-27-15</u>	Phone: <u>575.391.3147</u>		

* Attach Additional Sheets If Necessary