



February 2, 2021

NMOCD District 2
811 S. First St.
Artesia, NM 88210

Re: Closure Request
LH Operating, LLC H E West B #009
NMOCD Reference #: nRM2032957547

To Whom It May Concern

RXSoil, Inc. is pleased to submit the closure request summarizing work done for the remediation of produced water impacted soil for the above release.

Sincerely,

A stylized, handwritten signature in blue ink, appearing to read "Jace Caraway".

Jace Caraway
Chief Operating Officer
RXSoil, Inc.
(940) 210-2051

A handwritten signature in black ink, appearing to read "Zach Robbins".

Zach Robbins
Technical and Engineering Analyst
RXSoil, Inc.
(210) 400-7645

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RXSoil, Inc.

201 Main St. Ste. 1360, Fort Worth, TX 76102

I. Introduction

On behalf of LH Operating, LLC, RXSoil, Inc. ("RXSoil") has prepared this closure request that describes remediation of the release at the H E West B #009 site (Coordinates: 32.85815, -103.88115) in Eddy County with reference number nRM2032957547. A vicinity map is given as *Figure 1*.

The C-141 is given in *Appendix A*.

II. Site Assessment/Characterization

1. **Spill Map** – See *Figure 2*
2. **Depth to ground water** – The closest water well is POD number L 14207 POD3, approximately 1.05 miles northeast of location with data from 2016 showing groundwater at a depth of 96' (see *Figure 3* and *Appendix B*).
3. **Wellhead protection area** – There are no known water sources within a half mile of the release.
4. **Distance to nearest significant watercourse** – There are no significant watercourses within a half mile of the release.
5. **Soil/waste characteristics** – The release was delineated horizontally and vertically during excavation. Excavation was guided by field data, testing soil samples until results showed chloride levels below 600 mg/kg, per 19.15.29.13.D.1. Sidewall and bottom sample locations are shown in *Figure 2*. Excavation went vertically and horizontally until clean soil was found (600 mg/kg chloride per field testing). Soil samples were submitted to Cardinal Laboratories and tested for chlorides, TPH and BTEX. All samples tested below Table 1 thresholds for projects with depth to groundwater 50' - <100'. Results from these tests are summarized in *Appendix C* with the laboratory report shown in *Appendix E*.

III. Closure Reporting

1. **Scaled site and sampling diagram** – See *Figure 2* for excavation samples.
2. **Photographs of remediated site prior to backfill** – See *Appendix D* for photographs of the site prior to backfill.
3. **Laboratory analyses of final sampling** - See *Appendix E* for laboratory reports summarized in *Appendix C*.
4. **Description of all remedial activities** – Excavation of contaminated material began based on the area affected by the spill. Samples were collected representing 200 square feet and field screened for chlorides. Excavation continued until all field screenings tested below threshold (600 mg/kg chloride). Vertical excavation continued using the same process. Sample locations are shown in *Figure 2* while results are summarized in a table in *Appendix C*. One bottom sample tested above threshold. Crews returned to further excavate until sampling proved all soil tested below threshold.

Sidewall and bottom samples were taken using a stainless-steel hand shovel. All tools were decontaminated before each sample, as specified in *Field Equipment Cleaning and Decontamination*

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(EPA, 2015). This includes wiping the equipment clean, water-rinsing the equipment, washing the equipment in detergent and water, and rinsing the equipment in water.

Samples were temporarily transferred to a new plastic bag in the field. Once in a location safer for handling glass, the samples were transferred to glass jars, supplied by an approved laboratory. The threads on all jars were wiped clean to allow an air-tight seal. Samples were transferred on ice to a third-party laboratory to ensure tests were completed within 14 days (as recommended in the EPA handbook).

All lab reports of sampling can be found in *Appendix D*.

IV. Reclamation

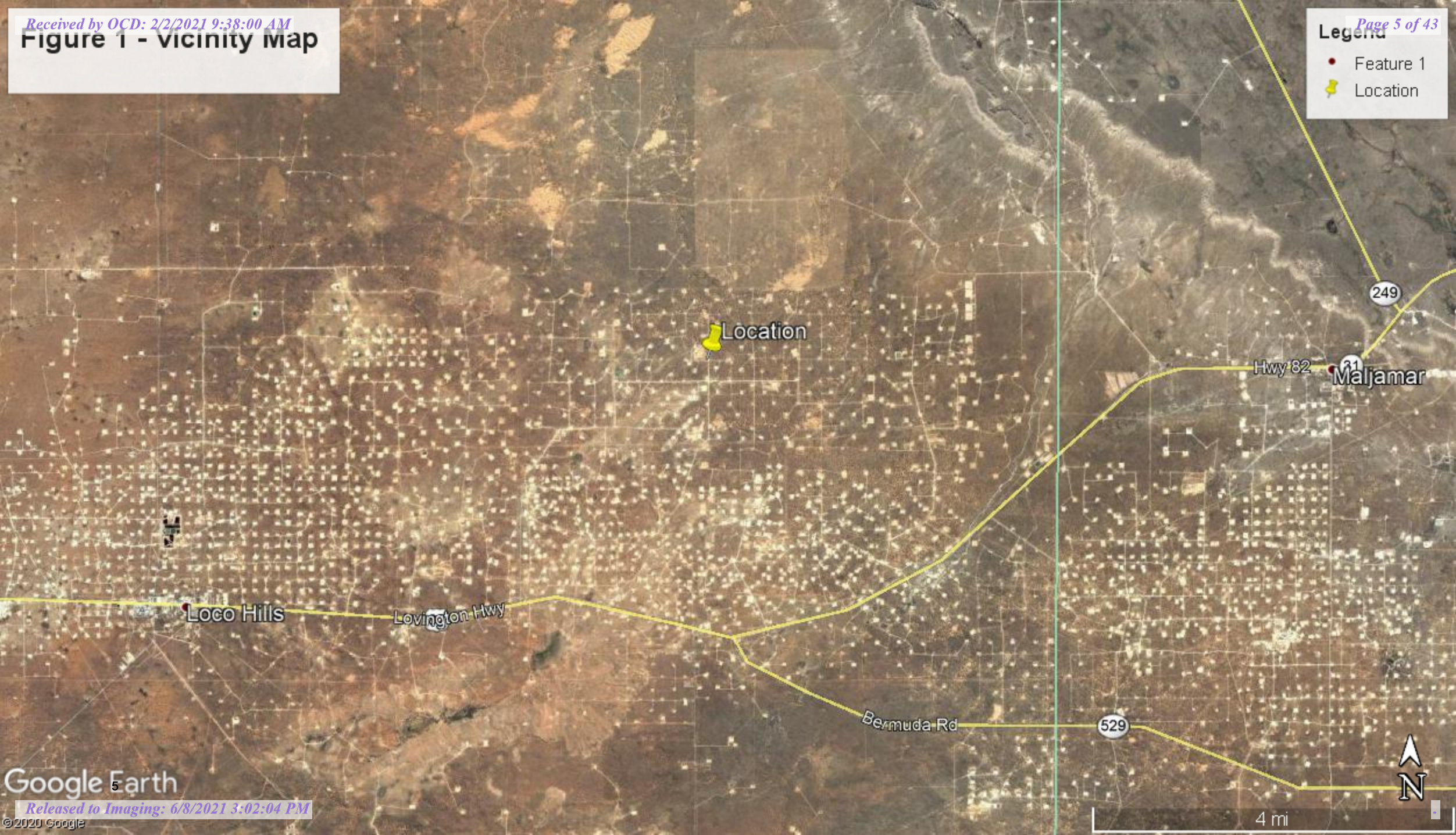
Following removal of all contaminated soil, clean material was backfilled. All impacted areas were restored to match the rest of the padsite.

On behalf of all parties, RXSoil is requesting no further action for this remediation project.

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Figure 1 - vicinity map



Legend

- Feature 1
- 📌 Location

Figure 2 - Spill Map

B = Bottom Samples
S = Sidewall Samples
All samples represent <200 square feet

Legend

-  Excavation Outline
-  Sample Location



Figure 3 - Water Map



1/5/2021, 2:26:09 PM

GIS WATERS PODs

● Active

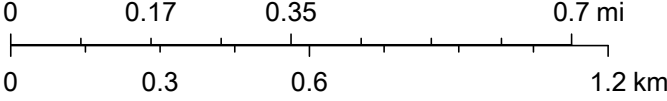
OSE District Boundary

New Mexico State Trust Lands

Both Estates

SiteBoundaries

1:18,056



USDA FSA, GeoEye, Maxar, Esri, HERE, iPC, U.S. Department of Energy Office of Legacy Management, Esri, HERE, Garmin, iPC

APPENDIX A

C-141

RXSoil, Inc.

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Form C-141

Page 3

State of New Mexico
Oil Conservation Division

Incident ID	nRM2032957547
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization*This information must be provided to the appropriate district office no later than 90 days after the release discovery date.*

What is the shallowest depth to groundwater beneath the area affected by the release?	96 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

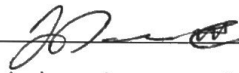
Form C-141

Page 4

State of New Mexico
Oil Conservation Division

Incident ID	nRM2032957547
District RP	
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.

Printed Name: John Denman Title: Engineer
Signature:  Date: 1/19/21
email: john@LH Operating. com Telephone: 214-563-6060

OCD Only

Received by: _____ Date: _____

Form C-141

Page 6

State of New Mexico
Oil Conservation Division

Incident ID	nRM2032957547
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: John Denman Title: EngineerSignature:  Date: 1/19/21email: john@LH Operating.com Telephone: 214-563-6060**OCD Only**

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____


APPENDIX B

WATER WELL DATA



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)				(quarters are smallest to largest)				(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y		
L	14207 POD3	2	3	3	31	16S	37E	606117	3636977		
<hr/>											
Driller License: 1456		Driller Company:		WHITE DRILLING COMPANY							
Driller Name:		WHITE, JOHN W									
Drill Start Date: 10/03/2016		Drill Finish Date:		10/12/2016				Plug Date:			
Log File Date: 12/12/2016		PCW Rcv Date:						Source:		Shallow	
Pump Type:		Pipe Discharge Size:						Estimated Yield:			
Casing Size: 4.00		Depth Well:		240 feet				Depth Water:		96 feet	
<hr/>											
Water Bearing Stratifications:		Top	Bottom	Description							
		75	140	Sandstone/Gravel/Conglomerate							
		140	200	Sandstone/Gravel/Conglomerate							
		200	205	Sandstone/Gravel/Conglomerate							
		205	218	Sandstone/Gravel/Conglomerate							
		218	236	Sandstone/Gravel/Conglomerate							
		236	237	Sandstone/Gravel/Conglomerate							
		237	240	Sandstone/Gravel/Conglomerate							
<hr/>											
Casing Perforations:		Top	Bottom								
		90	220								

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

1/5/21 1:27 PM

POINT OF DIVERSION SUMMARY

APPENDIX C

DATA SUMMARY TABLE

Soil Data Summary Table												
Sample Name	Sample Date	Reported	Benzene	Toluene	Ethylbenzene	Total Xylenes	BTEX	Chloride	GRO C6-C10	DRO >C10-C28	MRO >C28-C36	TPH C6-C36
8021B								4500	8015M			
S 1.3	12/17/2020	12/22/2020	<0.050	<0.050	<0.050	<0.150	<0.300	112	<10.0	<10.0	<10.0	<10.0
S 2	12/17/2020	12/22/2020	<0.050	<0.050	<0.050	<0.150	<0.300	272	<10.0	16.6	10.6	27.2
S 3.2	12/17/2020	12/22/2020	<0.050	<0.050	<0.050	<0.150	<0.300	32.0	<10.0	<10.0	<10.0	<10.0
S 4	12/17/2020	12/22/2020	<0.050	<0.050	<0.050	<0.150	<0.300	96.0	<10.0	23.1	<10.0	23.1
S 5.2	12/17/2020	12/22/2020	<0.050	<0.050	<0.050	<0.150	<0.300	272	<10.0	10.0	<10.0	10.0
S 6.3	12/17/2020	12/22/2020	<0.050	<0.050	<0.050	<0.150	<0.300	48.0	<10.0	<10.0	<10.0	<10.0
S 7.3	12/17/2020	12/22/2020	<0.050	<0.050	<0.050	<0.150	<0.300	32.0	<10.0	<10.0	<10.0	<10.0
S 8.3	12/17/2020	12/22/2020	<0.050	<0.050	<0.050	<0.150	<0.300	192	<10.0	<10.0	<10.0	<10.0
B 1.2	12/17/2020	12/22/2020	<0.050	<0.050	<0.050	<0.150	<0.300	912	<10.0	69.6	13.1	82.7
B 1.2	12/29/2020	12/30/2020	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0	<10.0	<10.0	<10.0	<10.0
B 2	12/17/2020	12/22/2020	<0.050	<0.050	<0.050	<0.150	<0.300	240	<10.0	<10.0	<10.0	<10.0
B 3.3	12/17/2020	12/22/2020	<0.050	<0.050	<0.050	<0.150	<0.300	48.0	<10.0	<10.0	<10.0	<10.0
B 4.6	12/17/2020	12/22/2020	<0.050	<0.050	<0.050	<0.150	<0.300	16.0	<10.0	<10.0	<10.0	<10.0
B 5.3	12/17/2020	12/22/2020	<0.050	<0.050	<0.050	<0.150	<0.300	80.0	<10.0	<10.0	<10.0	<10.0
B 6.3	12/17/2020	12/22/2020	<0.050	<0.050	<0.050	<0.150	<0.300	16.0	<10.0	<10.0	<10.0	<10.0
Thresholds			10				50	600*	1000			2500

Bold results are greater than given thresholds and represent dirty soil that was further excavated

All results reported in mg/kg unless otherwise noted.

* threshold for top 4' of soil

APPENDIX D

SITE PHOTOGRAPHS



RXSoil, Inc.
201 Main St. Ste. 1360, Fort Worth, TX 76102

APPENDIX E

LABORATORY REPORTS

RXSoil, Inc.
201 Main St. Ste. 1360, Fort Worth, TX 76102



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

December 22, 2020

MATTHEW LONGCRIER

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: LH OPERATING

Enclosed are the results of analyses for samples received by the laboratory on 12/17/20 12:06.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

RX-SOIL INC.
 MATTHEW LONGCRIER
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received:	12/17/2020	Sampling Date:	12/17/2020
Reported:	12/22/2020	Sampling Type:	Soil
Project Name:	LH OPERATING	Sampling Condition:	Cool & Intact
Project Number:	LH OPERATING H E WEST B #9	Sample Received By:	Tamara Oldaker
Project Location:	LOCO HILLS		

Sample ID: S 1.3 (H003299-01)

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	12/17/2020	ND	1.99	99.7	2.00	0.0792	
Toluene*	<0.050	0.050	12/17/2020	ND	1.90	95.1	2.00	0.468	
Ethylbenzene*	<0.050	0.050	12/17/2020	ND	1.99	99.4	2.00	0.0885	
Total Xylenes*	<0.150	0.150	12/17/2020	ND	5.68	94.7	6.00	0.387	
Total BTEX	<0.300	0.300	12/17/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	12/18/2020	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	12/22/2020	ND	205	103	200	1.95	
DRO >C10-C28*	<10.0	10.0	12/22/2020	ND	203	102	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	12/22/2020	ND					

Surrogate: 1-Chlorooctane 83.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 77.0 % 42.2-156

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.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

RX-SOIL INC.
 MATTHEW LONGCRIER
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received:	12/17/2020	Sampling Date:	12/17/2020
Reported:	12/22/2020	Sampling Type:	Soil
Project Name:	LH OPERATING	Sampling Condition:	Cool & Intact
Project Number:	LH OPERATING H E WEST B #9	Sample Received By:	Tamara Oldaker
Project Location:	LOCO HILLS		

Sample ID: S 2 (H003299-02)

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	12/18/2020	ND	1.95	97.4	2.00	1.79	
Toluene*	<0.050	0.050	12/18/2020	ND	1.87	93.6	2.00	1.46	
Ethylbenzene*	<0.050	0.050	12/18/2020	ND	1.93	96.5	2.00	1.85	
Total Xylenes*	<0.150	0.150	12/18/2020	ND	5.50	91.7	6.00	1.71	
Total BTX	<0.300	0.300	12/18/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	12/18/2020	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	12/21/2020	ND	205	103	200	1.95	
DRO >C10-C28*	16.6	10.0	12/21/2020	ND	203	102	200	2.18	
EXT DRO >C28-C36	10.6	10.0	12/21/2020	ND					

Surrogate: 1-Chlorooctane 98.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 96.2 % 42.2-156

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.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

RX-SOIL INC.
 MATTHEW LONGCRIER
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received:	12/17/2020	Sampling Date:	12/17/2020
Reported:	12/22/2020	Sampling Type:	Soil
Project Name:	LH OPERATING	Sampling Condition:	Cool & Intact
Project Number:	LH OPERATING H E WEST B #9	Sample Received By:	Tamara Oldaker
Project Location:	LOCO HILLS		

Sample ID: S 3.2 (H003299-03)

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	12/18/2020	ND	1.95	97.4	2.00	1.79	
Toluene*	<0.050	0.050	12/18/2020	ND	1.87	93.6	2.00	1.46	
Ethylbenzene*	<0.050	0.050	12/18/2020	ND	1.93	96.5	2.00	1.85	
Total Xylenes*	<0.150	0.150	12/18/2020	ND	5.50	91.7	6.00	1.71	
Total BTX	<0.300	0.300	12/18/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/18/2020	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	12/21/2020	ND	205	103	200	1.95	
DRO >C10-C28*	<10.0	10.0	12/21/2020	ND	203	102	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	12/21/2020	ND					

Surrogate: 1-Chlorooctane 89.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 89.3 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

RX-SOIL INC.
 MATTHEW LONGCRIER
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received:	12/17/2020	Sampling Date:	12/17/2020
Reported:	12/22/2020	Sampling Type:	Soil
Project Name:	LH OPERATING	Sampling Condition:	Cool & Intact
Project Number:	LH OPERATING H E WEST B #9	Sample Received By:	Tamara Oldaker
Project Location:	LOCO HILLS		

Sample ID: S 4 (H003299-04)

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	12/18/2020	ND	1.95	97.4	2.00	1.79	
Toluene*	<0.050	0.050	12/18/2020	ND	1.87	93.6	2.00	1.46	
Ethylbenzene*	<0.050	0.050	12/18/2020	ND	1.93	96.5	2.00	1.85	
Total Xylenes*	<0.150	0.150	12/18/2020	ND	5.50	91.7	6.00	1.71	
Total BTX	<0.300	0.300	12/18/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	12/18/2020	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	12/21/2020	ND	205	103	200	1.95	
DRO >C10-C28*	23.1	10.0	12/21/2020	ND	203	102	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	12/21/2020	ND					

Surrogate: 1-Chlorooctane 88.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 87.7 % 42.2-156

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Analytical Results For:

RX-SOIL INC.
 MATTHEW LONGCRIER
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received:	12/17/2020	Sampling Date:	12/17/2020
Reported:	12/22/2020	Sampling Type:	Soil
Project Name:	LH OPERATING	Sampling Condition:	Cool & Intact
Project Number:	LH OPERATING H E WEST B #9	Sample Received By:	Tamara Oldaker
Project Location:	LOCO HILLS		

Sample ID: S 5.2 (H003299-05)

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	12/18/2020	ND	1.95	97.4	2.00	1.79		
Toluene*	<0.050	0.050	12/18/2020	ND	1.87	93.6	2.00	1.46		
Ethylbenzene*	<0.050	0.050	12/18/2020	ND	1.93	96.5	2.00	1.85		
Total Xylenes*	<0.150	0.150	12/18/2020	ND	5.50	91.7	6.00	1.71		
Total BTEX	<0.300	0.300	12/18/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	12/18/2020	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	12/21/2020	ND	205	103	200	1.95	
DRO >C10-C28*	10.0	10.0	12/21/2020	ND	203	102	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	12/21/2020	ND					

Surrogate: 1-Chlorooctane 94.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 93.7 % 42.2-156

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Analytical Results For:

RX-SOIL INC.
 MATTHEW LONGCRIER
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received:	12/17/2020	Sampling Date:	12/17/2020
Reported:	12/22/2020	Sampling Type:	Soil
Project Name:	LH OPERATING	Sampling Condition:	Cool & Intact
Project Number:	LH OPERATING H E WEST B #9	Sample Received By:	Tamara Oldaker
Project Location:	LOCO HILLS		

Sample ID: S 6.3 (H003299-06)

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	12/18/2020	ND	1.95	97.4	2.00	1.79		
Toluene*	<0.050	0.050	12/18/2020	ND	1.87	93.6	2.00	1.46		
Ethylbenzene*	<0.050	0.050	12/18/2020	ND	1.93	96.5	2.00	1.85		
Total Xylenes*	<0.150	0.150	12/18/2020	ND	5.50	91.7	6.00	1.71		
Total BTEx	<0.300	0.300	12/18/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/18/2020	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	12/21/2020	ND	205	103	200	1.95	
DRO >C10-C28*	<10.0	10.0	12/21/2020	ND	203	102	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	12/21/2020	ND					

Surrogate: 1-Chlorooctane 103 % 44.3-144

Surrogate: 1-Chlorooctadecane 101 % 42.2-156

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Analytical Results For:

RX-SOIL INC.
 MATTHEW LONGCRIER
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received:	12/17/2020	Sampling Date:	12/17/2020
Reported:	12/22/2020	Sampling Type:	Soil
Project Name:	LH OPERATING	Sampling Condition:	Cool & Intact
Project Number:	LH OPERATING H E WEST B #9	Sample Received By:	Tamara Oldaker
Project Location:	LOCO HILLS		

Sample ID: S 7.3 (H003299-07)

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	12/18/2020	ND	1.95	97.4	2.00	1.79	
Toluene*	<0.050	0.050	12/18/2020	ND	1.87	93.6	2.00	1.46	
Ethylbenzene*	<0.050	0.050	12/18/2020	ND	1.93	96.5	2.00	1.85	
Total Xylenes*	<0.150	0.150	12/18/2020	ND	5.50	91.7	6.00	1.71	
Total BTX	<0.300	0.300	12/18/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/18/2020	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	12/21/2020	ND	205	103	200	1.95	
DRO >C10-C28*	<10.0	10.0	12/21/2020	ND	203	102	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	12/21/2020	ND					

Surrogate: 1-Chlorooctane 95.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 93.3 % 42.2-156

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Analytical Results For:

RX-SOIL INC.
 MATTHEW LONGCRIER
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received:	12/17/2020	Sampling Date:	12/17/2020
Reported:	12/22/2020	Sampling Type:	Soil
Project Name:	LH OPERATING	Sampling Condition:	Cool & Intact
Project Number:	LH OPERATING H E WEST B #9	Sample Received By:	Tamara Oldaker
Project Location:	LOCO HILLS		

Sample ID: S 8.3 (H003299-08)

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	12/18/2020	ND	1.95	97.4	2.00	1.79	
Toluene*	<0.050	0.050	12/18/2020	ND	1.87	93.6	2.00	1.46	
Ethylbenzene*	<0.050	0.050	12/18/2020	ND	1.93	96.5	2.00	1.85	
Total Xylenes*	<0.150	0.150	12/18/2020	ND	5.50	91.7	6.00	1.71	
Total BTX	<0.300	0.300	12/18/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	12/18/2020	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	12/21/2020	ND	205	103	200	1.95	
DRO >C10-C28*	<10.0	10.0	12/21/2020	ND	203	102	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	12/21/2020	ND					

Surrogate: 1-Chlorooctane 97.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 95.8 % 42.2-156

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Analytical Results For:

RX-SOIL INC.
 MATTHEW LONGCRIER
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received:	12/17/2020	Sampling Date:	12/17/2020
Reported:	12/22/2020	Sampling Type:	Soil
Project Name:	LH OPERATING	Sampling Condition:	Cool & Intact
Project Number:	LH OPERATING H E WEST B #9	Sample Received By:	Tamara Oldaker
Project Location:	LOCO HILLS		

Sample ID: B 1.2 (H003299-09)

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	12/18/2020	ND	1.95	97.4	2.00	1.79	
Toluene*	<0.050	0.050	12/18/2020	ND	1.87	93.6	2.00	1.46	
Ethylbenzene*	<0.050	0.050	12/18/2020	ND	1.93	96.5	2.00	1.85	
Total Xylenes*	<0.150	0.150	12/18/2020	ND	5.50	91.7	6.00	1.71	
Total BTX	<0.300	0.300	12/18/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	912	16.0	12/18/2020	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	12/21/2020	ND	205	103	200	1.95	
DRO >C10-C28*	69.6	10.0	12/21/2020	ND	203	102	200	2.18	
EXT DRO >C28-C36	13.1	10.0	12/21/2020	ND					

Surrogate: 1-Chlorooctane 94.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 96.3 % 42.2-156

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Analytical Results For:

RX-SOIL INC.
 MATTHEW LONGCRIER
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received:	12/17/2020	Sampling Date:	12/17/2020
Reported:	12/22/2020	Sampling Type:	Soil
Project Name:	LH OPERATING	Sampling Condition:	Cool & Intact
Project Number:	LH OPERATING H E WEST B #9	Sample Received By:	Tamara Oldaker
Project Location:	LOCO HILLS		

Sample ID: B 2 (H003299-10)

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	12/18/2020	ND	1.95	97.4	2.00	1.79		
Toluene*	<0.050	0.050	12/18/2020	ND	1.87	93.6	2.00	1.46		
Ethylbenzene*	<0.050	0.050	12/18/2020	ND	1.93	96.5	2.00	1.85		
Total Xylenes*	<0.150	0.150	12/18/2020	ND	5.50	91.7	6.00	1.71		
Total BTX	<0.300	0.300	12/18/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	12/18/2020	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	12/21/2020	ND	205	103	200	1.95	
DRO >C10-C28*	<10.0	10.0	12/21/2020	ND	203	102	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	12/21/2020	ND					

Surrogate: 1-Chlorooctane 98.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 96.5 % 42.2-156

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Analytical Results For:

RX-SOIL INC.
 MATTHEW LONGCRIER
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received:	12/17/2020	Sampling Date:	12/17/2020
Reported:	12/22/2020	Sampling Type:	Soil
Project Name:	LH OPERATING	Sampling Condition:	Cool & Intact
Project Number:	LH OPERATING H E WEST B #9	Sample Received By:	Tamara Oldaker
Project Location:	LOCO HILLS		

Sample ID: B 3.3 (H003299-11)

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	12/18/2020	ND	1.95	97.4	2.00	1.79	
Toluene*	<0.050	0.050	12/18/2020	ND	1.87	93.6	2.00	1.46	
Ethylbenzene*	<0.050	0.050	12/18/2020	ND	1.93	96.5	2.00	1.85	
Total Xylenes*	<0.150	0.150	12/18/2020	ND	5.50	91.7	6.00	1.71	
Total BTX	<0.300	0.300	12/18/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/18/2020	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	12/21/2020	ND	205	103	200	1.95	
DRO >C10-C28*	<10.0	10.0	12/21/2020	ND	203	102	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	12/21/2020	ND					

Surrogate: 1-Chlorooctane 96.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 93.6 % 42.2-156

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Analytical Results For:

RX-SOIL INC.
 MATTHEW LONGCRIER
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received:	12/17/2020	Sampling Date:	12/17/2020
Reported:	12/22/2020	Sampling Type:	Soil
Project Name:	LH OPERATING	Sampling Condition:	Cool & Intact
Project Number:	LH OPERATING H E WEST B #9	Sample Received By:	Tamara Oldaker
Project Location:	LOCO HILLS		

Sample ID: B 4.6 (H003299-12)

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	12/18/2020	ND	1.95	97.4	2.00	1.79	
Toluene*	<0.050	0.050	12/18/2020	ND	1.87	93.6	2.00	1.46	
Ethylbenzene*	<0.050	0.050	12/18/2020	ND	1.93	96.5	2.00	1.85	
Total Xylenes*	<0.150	0.150	12/18/2020	ND	5.50	91.7	6.00	1.71	
Total BTX	<0.300	0.300	12/18/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/18/2020	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	12/21/2020	ND	205	103	200	1.95	
DRO >C10-C28*	<10.0	10.0	12/21/2020	ND	203	102	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	12/21/2020	ND					

Surrogate: 1-Chlorooctane 100 % 44.3-144

Surrogate: 1-Chlorooctadecane 98.8 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

RX-SOIL INC.
 MATTHEW LONGCRIER
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received:	12/17/2020	Sampling Date:	12/17/2020
Reported:	12/22/2020	Sampling Type:	Soil
Project Name:	LH OPERATING	Sampling Condition:	Cool & Intact
Project Number:	LH OPERATING H E WEST B #9	Sample Received By:	Tamara Oldaker
Project Location:	LOCO HILLS		

Sample ID: B 5.3 (H003299-13)

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	12/18/2020	ND	1.95	97.4	2.00	1.79		
Toluene*	<0.050	0.050	12/18/2020	ND	1.87	93.6	2.00	1.46		
Ethylbenzene*	<0.050	0.050	12/18/2020	ND	1.93	96.5	2.00	1.85		
Total Xylenes*	<0.150	0.150	12/18/2020	ND	5.50	91.7	6.00	1.71		
Total BTEx	<0.300	0.300	12/18/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/18/2020	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	12/22/2020	ND	220	110	200	3.11	
DRO >C10-C28*	<10.0	10.0	12/22/2020	ND	209	105	200	4.42	
EXT DRO >C28-C36	<10.0	10.0	12/22/2020	ND					

Surrogate: 1-Chlorooctane 87.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 82.5 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

RX-SOIL INC.
 MATTHEW LONGCRIER
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received:	12/17/2020	Sampling Date:	12/17/2020
Reported:	12/22/2020	Sampling Type:	Soil
Project Name:	LH OPERATING	Sampling Condition:	Cool & Intact
Project Number:	LH OPERATING H E WEST B #9	Sample Received By:	Tamara Oldaker
Project Location:	LOCO HILLS		

Sample ID: B 6.3 (H003299-14)

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	12/18/2020	ND	1.96	98.0	2.00	3.14	
Toluene*	<0.050	0.050	12/18/2020	ND	1.87	93.5	2.00	2.81	
Ethylbenzene*	<0.050	0.050	12/18/2020	ND	1.94	97.0	2.00	3.49	
Total Xylenes*	<0.150	0.150	12/18/2020	ND	5.56	92.6	6.00	3.12	
Total BTX	<0.300	0.300	12/18/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/18/2020	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	12/22/2020	ND	220	110	200	3.11	
DRO >C10-C28*	<10.0	10.0	12/22/2020	ND	209	105	200	4.42	
EXT DRO >C28-C36	<10.0	10.0	12/22/2020	ND					

Surrogate: 1-Chlorooctane 93.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 87.2 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
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

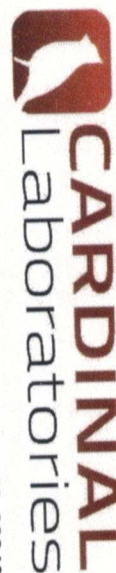
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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: QX501		P.O. #:		BILL TO				ANALYSIS REQUEST			
Project Manager: Matt Longner		Company:									
Address:		Attn:									
City:		Address:									
State:		City:									
Zip:		State:									
Phone #:		Fax #:									
Project #:		Project Owner:									
Project Name: LH opening		State:									
Project Location: H E West B #9		Phone #:									
Fax #:											
Sampler Name:		PRESERV.		SAMPLING							
FOR LAB USE ONLY											
Lab I.D.		Sample I.D.									
H0632871		S1.3		12/17		8:00		X		TPH	
2		S2		12/17		8:00		X		Btex	
3		S3.2		12/17		8:00		X		Chlorides	
4		S4		12/17		8:00		X			
5		S5.2		12/17		8:00		X			
6		S6.3		12/17		8:00		X			
7		S7.3		12/17		8:00		X			
8		S8.3		12/17		8:00		X			
9		S1.2		12/17		8:00		X			
10		S2		12/17		8:00		X			

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Relinquished By: *[Signature]* Date: **12/17** Time: **12:06** Received By: *[Signature]* Date: **12/17** Time: **8:00**

Reinquinished By: *[Signature]* Date: **12/17** Time: **8:00** Received By: *[Signature]* Date: **12/17** Time: **8:00**

Delivered By: (Circle One) Observed Temp. °C **4.1** Sample Condition Cool ☒ Yes ☐ No Intact ☒ Yes ☐ No CHECKED BY: (Initials) **VB**

Sampler - UPS - Bus - Other: Corrected Temp. °C **4.1** Turnaround Time: **Standard** ☒ Rush ☐ Bacteria (only) ☒ Sample Condition Cool ☒ Intact ☐ Observed Temp. °C **4.1** Corrected Temp. °C **4.1**

Thermometer ID #113 Correction Factor None

Verbal Result: ☐ Yes ☐ No Add'l Phone #: **393-2326**

All Results are emailed. Please provide Email address: **celley.keene@cardinallabsnm.com**

REMARKS:



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO				ANALYSIS REQUEST											
Company Name: <u>RX501</u>				P.O. #:											
Project Manager: <u>Matt Longmier</u>				Company:											
Address:				Attn:											
City:				Address:											
State:				City:											
Zip:				State:											
Phone #:				Fax #:											
Project #:				Project Owner:											
Project Name: <u>LH Operating</u>				State:											
Project Location: <u>HE West B #9</u>				Phone #:											
Fax #:															
Sampler Name:															
FOR LAB USE ONLY															
Lab I.D.				Sample I.D.											
<u>H003399</u>				<u>11</u>											
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Relinquished By: Matt Longmier Date: 2/17 Time: 12:06

Received By: Janice Clark Date: 2/17 Time: 8:00 am

REMARKS:

Turnaround Time: Standard ☒ Rush ☐ Add'l Phone #:

Thermometer ID #113 ☒ Bacteria (only) Sample Condition

Correction Factor None ☒ Cool Intact ☐ Observed Temp. °C

Corrected Temp. °C

Delivered By: (Circle One) ☒ UPS ☐ Bus ☐ Other: ☐ Corrected Temp. °C

FORW-0007-R-3-1-00104720

† Cardinal cannot accept verbal changes. Please email changes to caley.keene@cardinallabsnm.com



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

December 30, 2020

MATTHEW LONGCRIER

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: LH OPERATING

Enclosed are the results of analyses for samples received by the laboratory on 12/29/20 11:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

RX-SOIL INC.
 MATTHEW LONGCRIER
 201 MAIN STREET, SUITE 1360
 FORT WORTH TX, 76102
 Fax To: NA

Received:	12/29/2020	Sampling Date:	12/29/2020
Reported:	12/30/2020	Sampling Type:	Soil
Project Name:	LH OPERATING	Sampling Condition:	Cool & Intact
Project Number:	LH OPERATING H E WEST B #9	Sample Received By:	Jodi Henson
Project Location:	LOCO HILLS		

Sample ID: B1.2 (H003347-01)

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	12/29/2020	ND	2.03	101	2.00	1.47	
Toluene*	<0.050	0.050	12/29/2020	ND	1.96	98.0	2.00	0.781	
Ethylbenzene*	<0.050	0.050	12/29/2020	ND	2.02	101	2.00	1.20	
Total Xylenes*	<0.150	0.150	12/29/2020	ND	5.77	96.1	6.00	0.989	
Total BTEX	<0.300	0.300	12/29/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500Cl-B			mg/kg		Analyzed By: GM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/29/2020	ND	400	100	400	11.3	

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	12/29/2020	ND	192	96.0	200	7.51	
DRO >C10-C28*	<10.0	10.0	12/29/2020	ND	213	107	200	6.20	
EXT DRO >C28-C36	<10.0	10.0	12/29/2020	ND					

Surrogate: 1-Chlorooctane 101 % 44.3-144

Surrogate: 1-Chlorooctadecane 102 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

END OF REPORT

RXSoil, Inc.

201 Main St. Ste. 1360, Fort Worth, TX 76102

Form C-141

Page 6

State of New Mexico
Oil Conservation Division

Incident ID	nRM2032957547
District RP	
Facility ID	
Application ID	

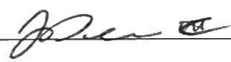
Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: John Denman Title: Engineer
Signature:  Date: 1/19/21
email: john@LH Operating.com Telephone: 214-563-6060

OCD Only

Received by: Robert Hamlet Date: 6/8/2021

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Robert Hamlet Date: 6/8/2021
Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 16629

CONDITIONS

Operator: RXSoil, Inc. 201 Main St Ste 1360 Fort Worth, TX 76102	OGRID: 329578
	Action Number: 16629
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NRM2032957547 H E WEST B #009, thank you. This closure is approved.	6/8/2021