



March 4, 2020

NMOCD District 1
1625 N. French Drive
Hobbs, New Mexico 88240

Re: Closure Request
Ridgeway Arizona Oil Corp HCSAU #30
NMOCD Reference #: 1RP-5668 & **1RP-5680**

To Whom It May Concern

RXSoil, Inc. is pleased to submit the closure request summarizing work done for the on-site remediation of treated produced water impacted soil for the above release, associated with the HCSAU #30 site located in Roosevelt County, New Mexico.

Sincerely,

A stylized, handwritten signature in black ink.

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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I. Introduction

On behalf of Ridgeway Arizona Oil Corp and PEDEVCO Corporation., RXSoil, Inc. ("RXSoil") has prepared this closure request that describes remediation of the releases of 1RP-5680 and 1RP-5668 associated with the HCSAU #30 site with API #30-041-10480.

The releases were reported to have both occurred in Unit Letter O, Section 34, Township 7S, Range 33E (see *Figure 1* for Vicinity Map) at coordinates (33.662951, -103.543786). It was reported that 15 barrels of produced water were released, and 6 barrels were recovered during the initial response for 1RP-5668. It was reported that 50 barrels of produced water were released, and 22 barrels were recovered during the initial response for 1RP-5680. Closure C-141s are listed in *Appendix A*.

II. Site Assessment/Characterization

1. **Spill Map** – See *Figure 2*
2. **Depth to ground water** – Nearest water wells with data in the past 25 years (listed in *Appendix B*, shown in *Figure 3*) have reported depth to water of 143', 223' and 256'. This release did NOT occur within an area described by any of the line items listed in NMAC 19.15.29.12 that would change the characterization of ground water.
3. **Wellhead protection area** – There are no known water sources within a half mile of the release (see *Figure 4*).
4. **Distance to nearest significant watercourse** – There are no significant watercourses within a half mile of the release (see *Figure 4*).
5. **Soil/waste characteristics** – The release was delineated horizontally and vertically before and 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 samples are shown in *Figure 5*. Excavation went vertically and horizontally until clean soil was found (20,000 mg/kg at depths greater than 4' or 600 mg/kg in top 4'). Excavation went to a depth of 4' and 1' in areas shown in *Figure 5*. Results from these tests are summarized in *Appendix C* with the laboratory report shown in *Appendix F.1*. Not all contaminated soil was able to be safely removed from the spill area. Shown in *Figure 6*, digging stopped approximately 6' from the wellhead.

III. Closure Reporting

1. **Scaled site and sampling diagram** – See *Figure 5* for excavation samples. See *Figure 7* for remediation samples
2. **Photographs of remediated site prior to backfill** – See *Appendix E* for a photograph of remediated site prior to backfill.
3. **Laboratory analyses of final sampling** - See *Appendix F* for laboratory reports summarized in *Appendix D* and *Appendix E*.
4. **Description of all remedial activities** – RXSoil's core process of on-site remediation was used to address the contamination. RXSoil constructed an above-ground treatment cell adjacent to the contaminated area (see *Figure 5* for placement). This cell was built to an approximate height of 4'. The cell was approximately 200' by 100'.

A 30-mil poly liner was installed on the bottom and sides of cells to contain treatment. A proprietary drainage and collection system was installed prior to filling the cells with contaminated soils.

Once all contaminated material was in the treatment cell, chemical treatment began. To confirm successful treatment, as previously agreed upon, confirmation samples were gathered at depth 36"-48" with one sample representing no more than 50 cubic yards as agreed upon in previous work. A grid pattern of 60 samples was collected. If a sample were to test above threshold, treatment continued in that area until the soil tested clean. 50% of the samples were then delivered on ice to Cardinal Laboratories in Hobbs, NM. See *Appendix D* for a summary table of these samples.

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

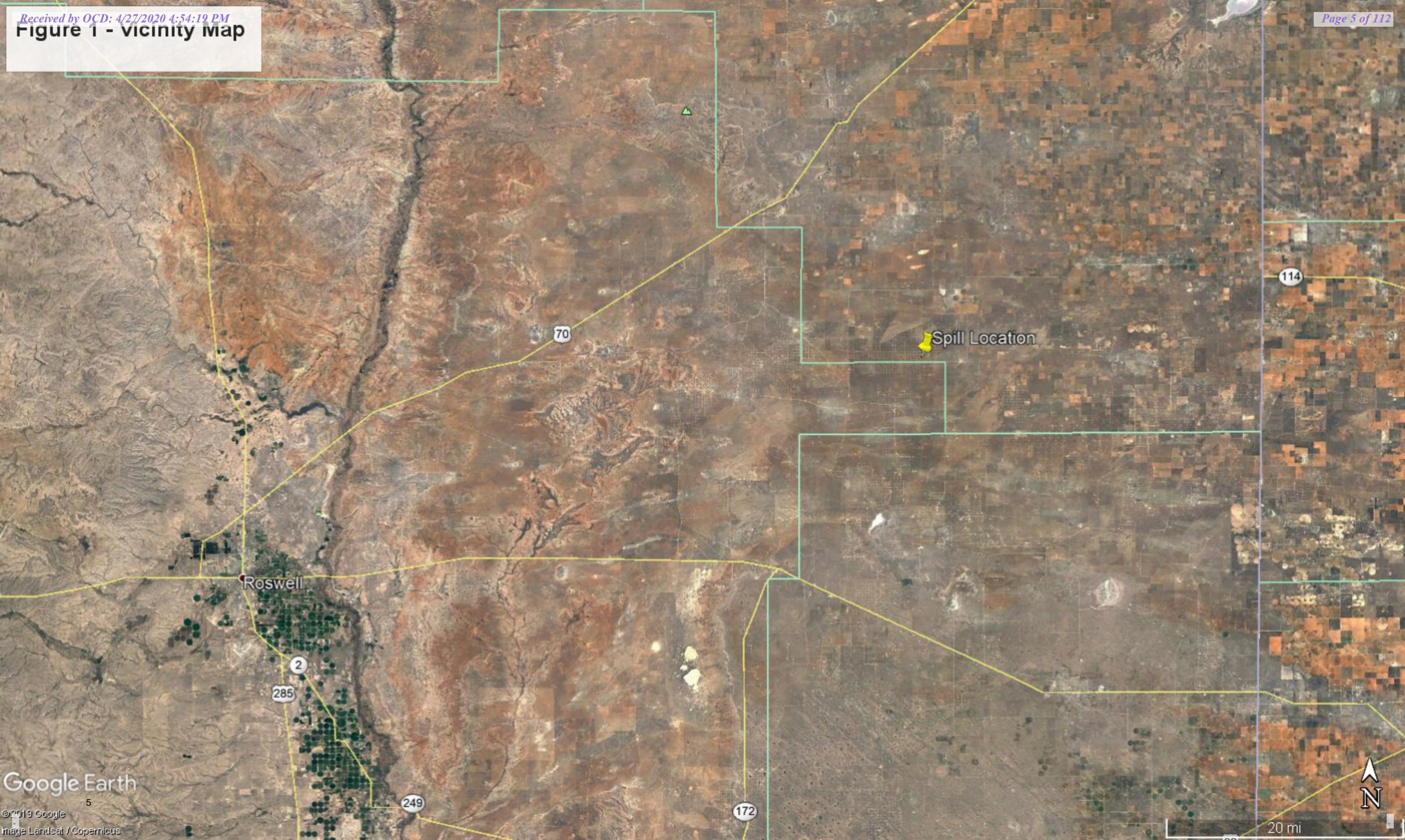
Samples were temporarily transferred to a new plastic bag in the field. Once in a location safer for handling glass, the samples were transferred to glass jars, supplied by an approved laboratory. The threads on all jars were wiped clean to allow an air-tight seal. Samples were transferred on ice to 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 F*.

IV. Restoration, Reclamation and Re-Vegetation

Following confirmation samples, RXSoil placed the soil from the treatment cell back into the excavation area and removed all treatment infrastructure from the location for disposal. RXSoil drilled in a mixture of oats, saltbrush fourwing, triticale and western wheatgrass in all affected areas, using the DOT Zone 6 Seed List as a guide per previous SLO approval. RXSoil will continue to monitor this area and if deemed necessary, reseed in next growing season to encourage more growth.

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



Spill Location

Roswell



20 mi

Figure 2. Spill Map

Legend Page 6 of 112

-  Coordinate Guide
-  GPS Outline



Figure 3 - Depth to Groundwater Map

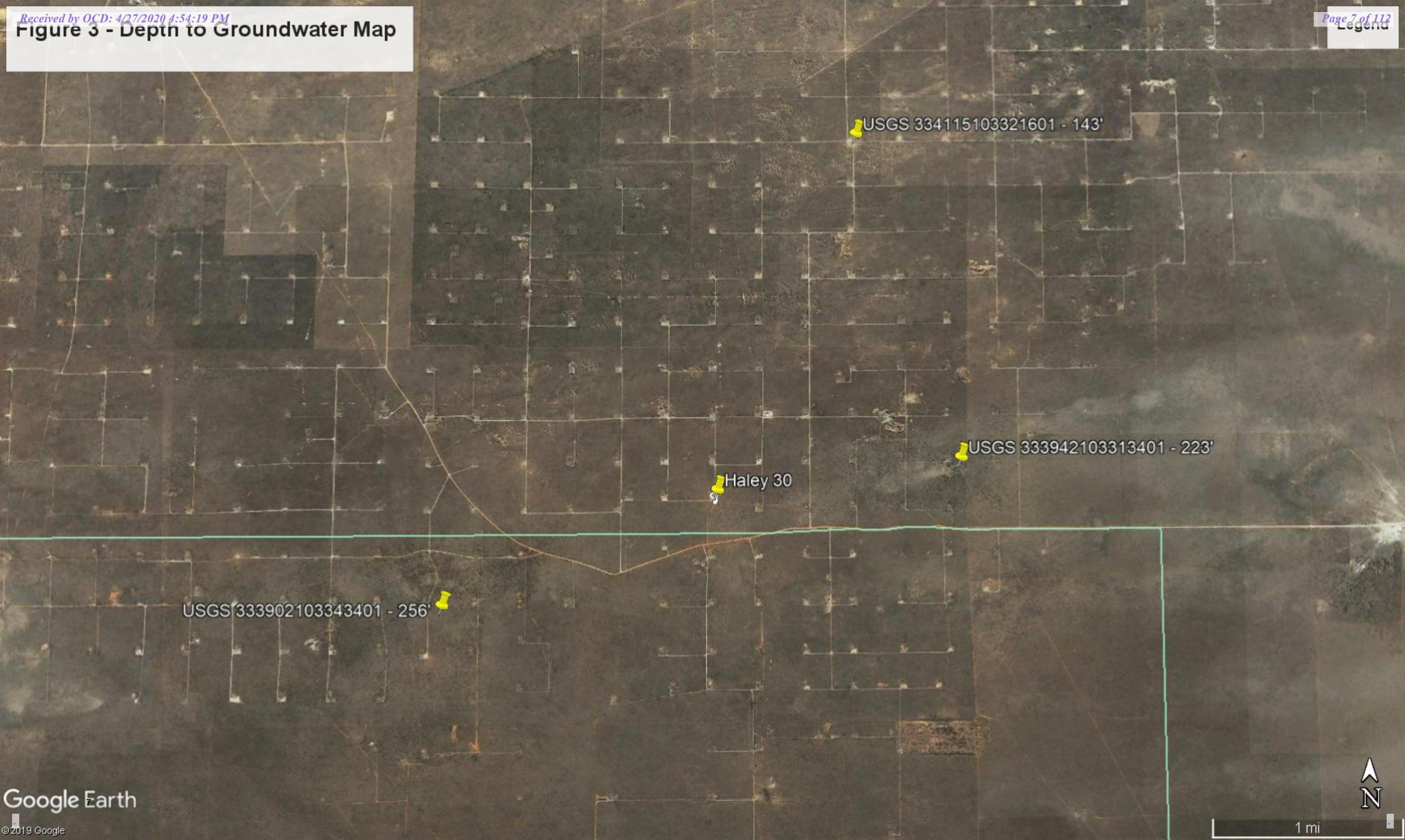
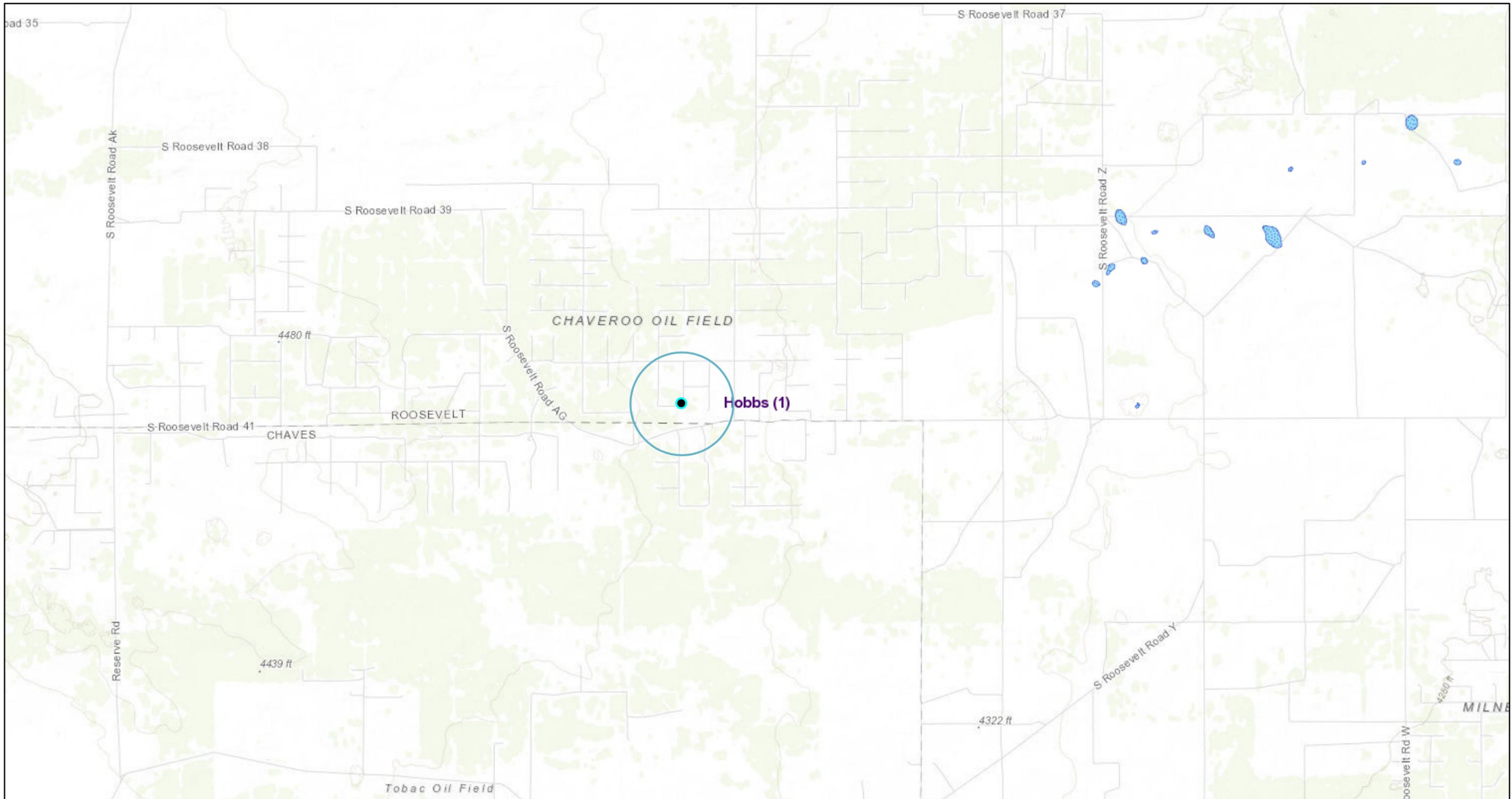


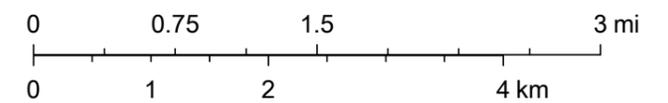
Figure 4 - Hydrology Map



1/23/2020, 11:58:53 AM

1:72,224

- Override 1
- ★ OCD District Offices
- PLJV Probable Playas
- OCD Districts
- OSE Water-bodies
- OSE Streams



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community, OCD

Figure 5. Excavation Map

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Legend

- 1' Excavation
- 4' Excavation
- Treatment Cell

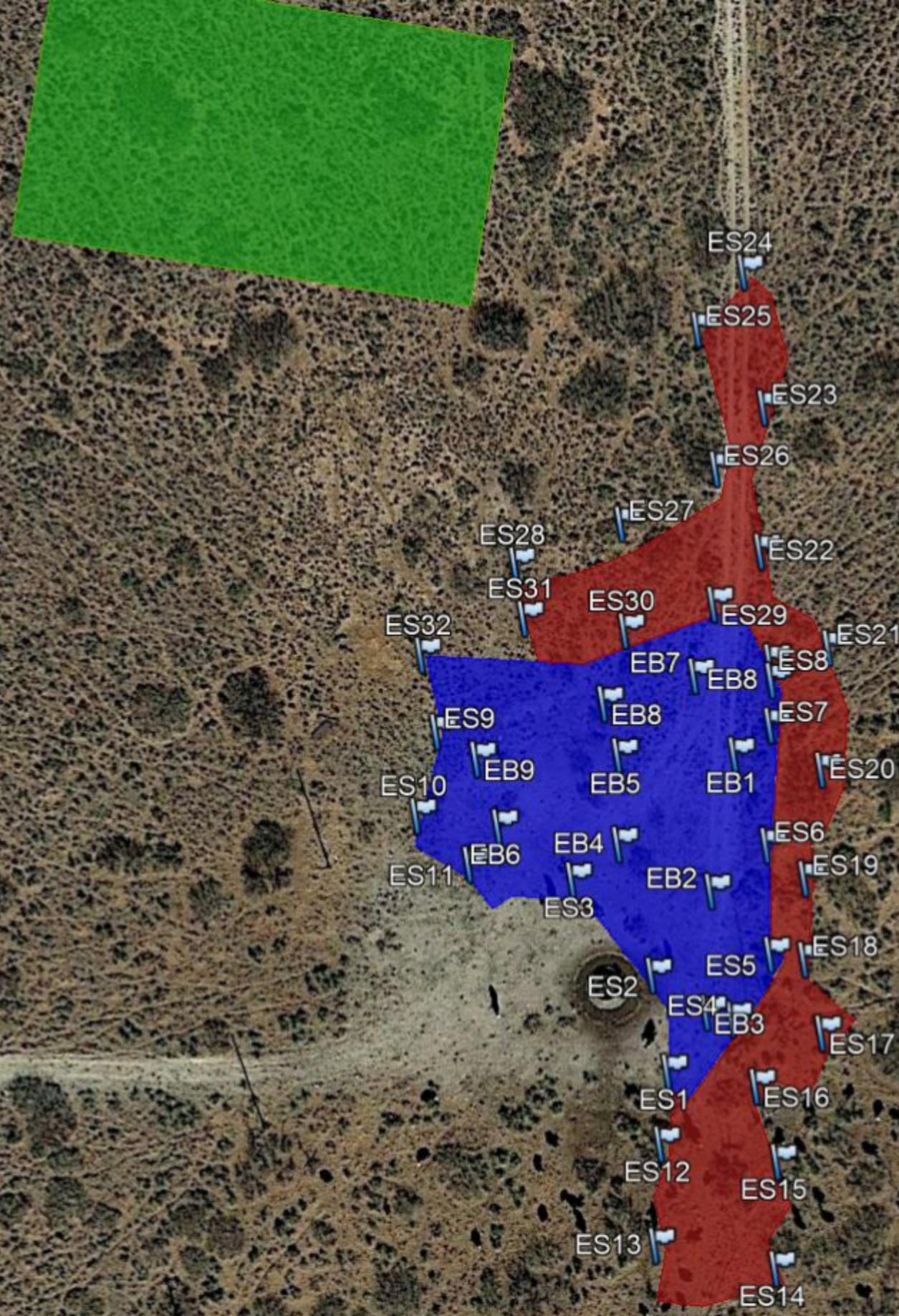


Figure 6. wellhead map

Legend

- 1' Excavation
- 4' Excavation
- Wellhead Area



Figure 7. Treatment Cell Map

Legend Page 11 of 112

-  Sample Point (48")
-  Treatment Cell



APPENDIX A.1

C-141

1RP-5668

Incident ID	NRM1926049522
District RP	IRP-5668
Facility ID	
Application ID	pRM192046121

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: William Boyd Title: Land & Regulatory Manager
 Signature:  Date: 3/4/2020
 email: wboyd@pedevco.com Telephone: (713) 574-7912

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 A.2

C-141

1RP-5680

State of New Mexico
Oil Conservation Division

Incident ID	NRM1926654070
District RP	1RP-5680
Facility ID	fCH1903857157
Application ID	pRM1926653227

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.

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- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- Description of remediation activities

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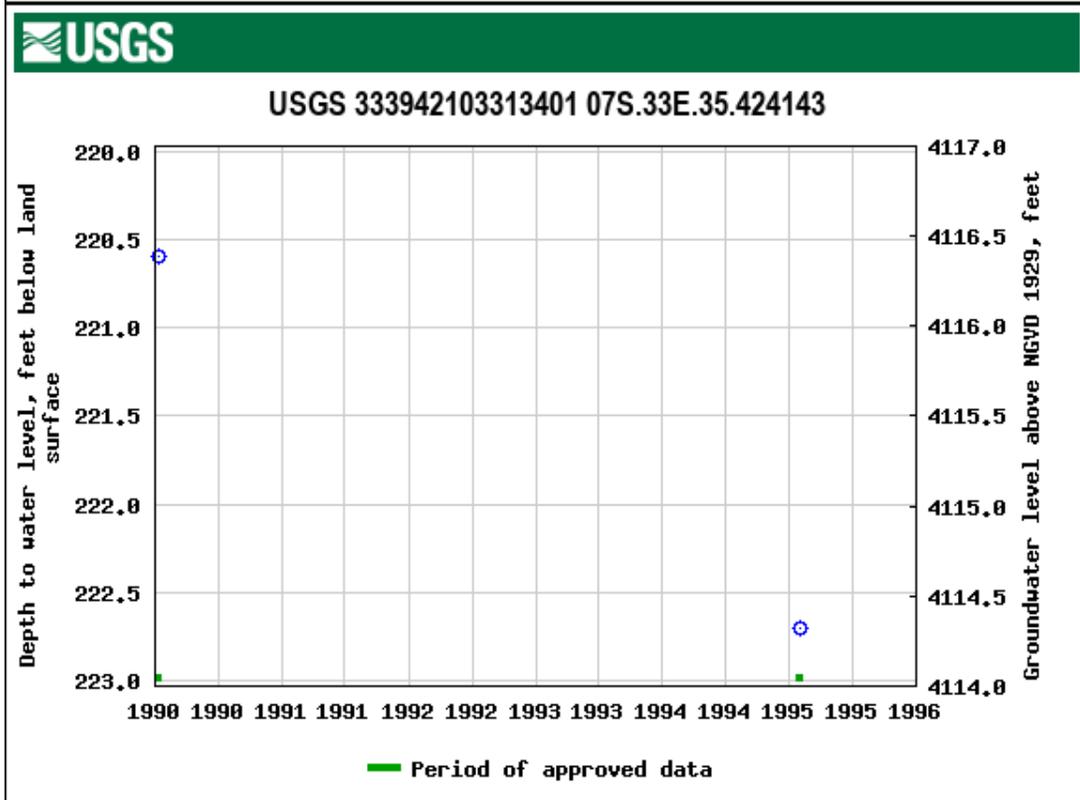
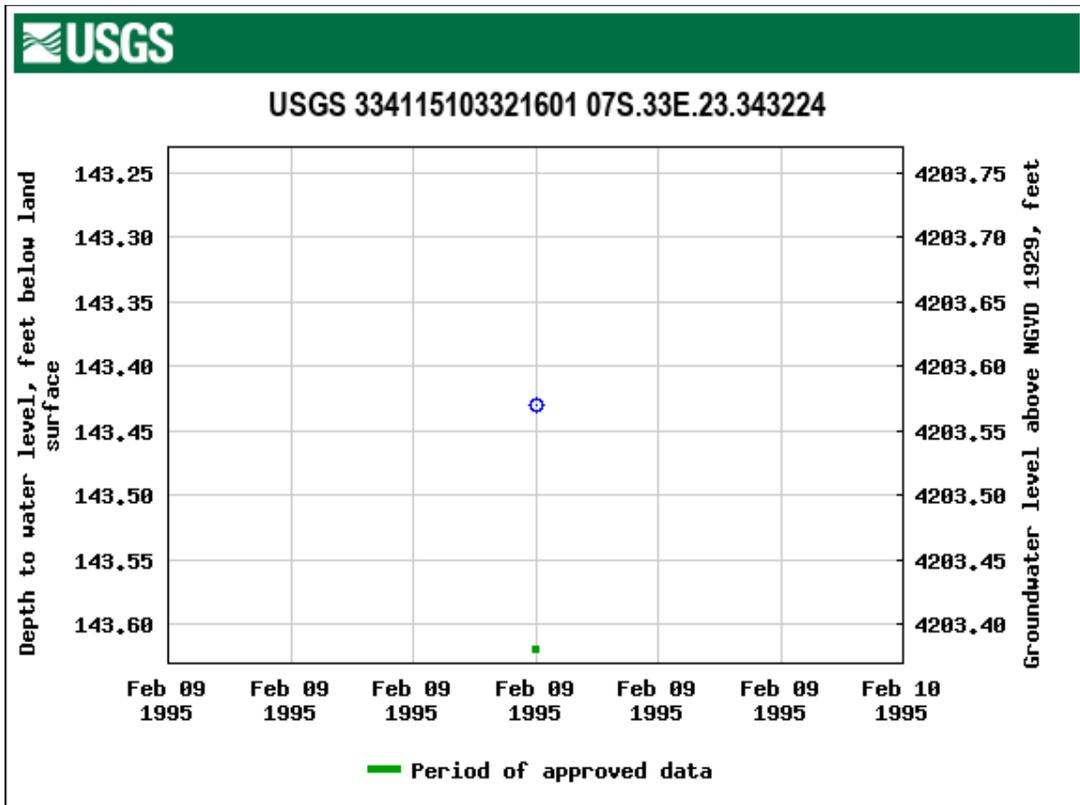
OCD Only

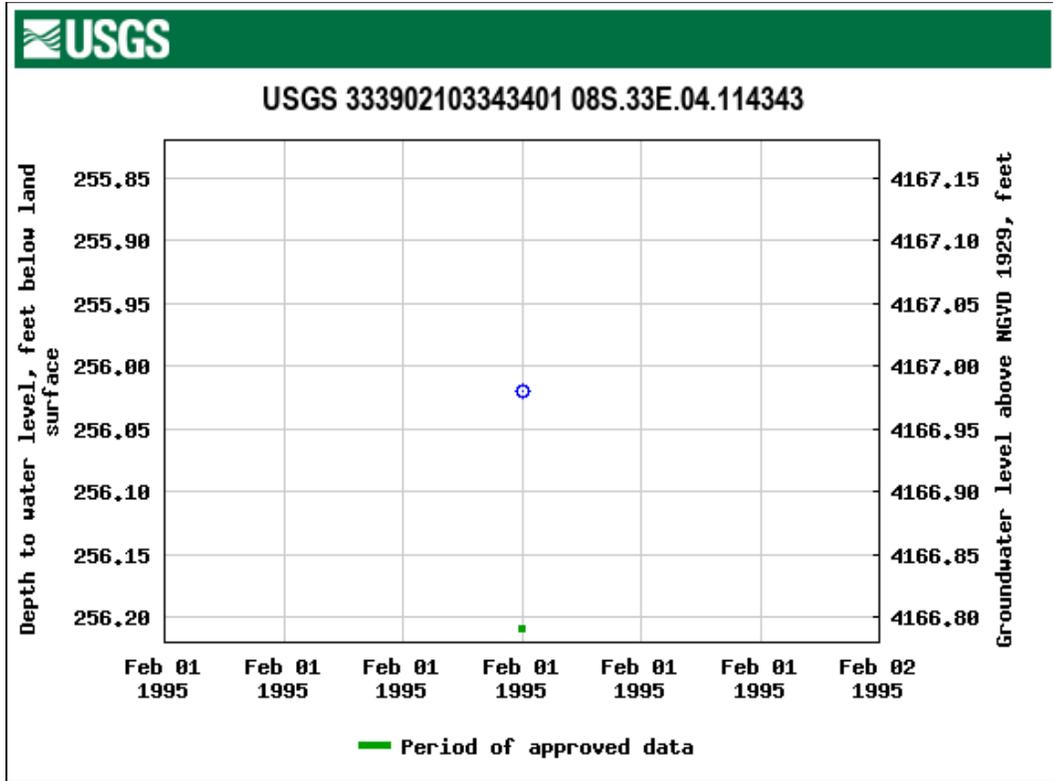
Received by: _____ Date: _____

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
DEPTH TO GROUNDWATER





APPENDIX C

DELINEATION SUMMARY TABLE

Appendix C. Delineation Summary Table											
Sample Type	Sample Name	Depth (ft)	Sample Date	Chloride		BTEX (8021B)		TPH (8015M)			
				Field Screening	M4500	Benzene	Total BTEX	GRO	DRO	EXT DRO	C6-C35
Bottom	EB-1	4	11/20/2019	3500	3320	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Bottom	EB-2	4	11/20/2019	316	880	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Bottom	EB-3	4	11/20/2019	1944	2880	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Bottom	EB-4	4	11/20/2019	4120	1710	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Bottom	EB-5	4	11/20/2019	ND	32.0	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Bottom	EB-6	4	11/20/2019	276	480	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Bottom	EB-7	4	11/20/2019	316	320	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Bottom	EB-8	4	11/20/2019	7940	9280	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Bottom	EB-9	4	11/20/2019	580	656	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-1	4	11/20/2019	ND	48	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-2	4	11/20/2019	ND	16	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-3	4	11/20/2019	180	192	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-4	4	11/20/2019	ND	48	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-5	4	11/20/2019	ND	48	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-6	4	11/20/2019	ND	16	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-7	4	11/20/2019	ND	64	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-8	4	11/20/2019	ND	16	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-9	4	11/20/2019	212	240	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-10	4	11/20/2019	ND	32	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-11	4	11/20/2019	128	64	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-12	1	11/20/2019	ND	16	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-13	1	11/20/2019	ND	16	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-14	1	11/20/2019	ND	<16.0	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-15	1	11/20/2019	ND	<16.0	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-16	1	11/20/2019	ND	80	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-17	1	11/20/2019	ND	<16.0	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-18	1	11/20/2019	ND	<16.0	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-19	1	11/20/2019	ND	<16.0	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-20	1	11/20/2019	ND	<16.0	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-21	1	11/20/2019	ND	<16.0	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-22	1	11/20/2019	ND	32	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-23	1	11/20/2019	352	224	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-24	1	11/20/2019	ND	320	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-25	1	11/20/2019	ND	<16.0	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-26	1	11/20/2019	ND	112	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-27	1	11/20/2019	192	544	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-28	1	11/20/2019	ND	96	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-29	4	11/20/2019	128	112	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-30	4	11/20/2019	ND	112	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-31	4	11/20/2019	ND	272	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-32	4	11/20/2019	ND	32	<0.050	<0.300	<10.0	<10.0	<10.0	<30
NMOCD Thresholds - Top 4'				600	10	50					2500
NMOCD Thresholds - GW >100'				20000							

BOLD results indicate results above RRAL

- indicates tests were not ran

All units in mg/kg unless otherwise noted

APPENDIX D

REMEDIATION SAMPLING SUMMARY TABLE

Appendix D. Remediation Sampling Summary Table											
Row	Column	Depth (ft)	Sample Date	Chloride		BTEX (8021B)		TPH (8015M)			
				Field Screening	M4500	Benzene	Total BTEX	GRO	DRO	EXT DRO	C6-C35
A	1	4	1/3/2020	172	176	<0.050	<0.300	<10.0	<10.0	<10.0	<30
A	2	4	1/3/2020	148	-	-	-	-	-	-	-
A	3	4	1/3/2020	ND	160	<0.050	<0.300	<10.0	<10.0	<10.0	<30
A	4	4	1/3/2020	172	-	-	-	-	-	-	-
A	5	4	1/3/2020	316	208	<0.050	<0.300	<10.0	<10.0	<10.0	<30
B	1	4	1/3/2020	172	-	-	-	-	-	-	-
B	2	4	1/3/2020	ND	144	<0.050	<0.300	<10.0	<10.0	<10.0	<30
B	3	4	1/3/2020	ND	-	-	-	-	-	-	-
B	4	4	1/3/2020	148	160	<0.050	<0.300	<10.0	<10.0	<10.0	<30
B	5	4	1/3/2020	ND	-	-	-	-	-	-	-
C	1	4	1/7/2020	316	336	<0.050	<0.300	<10.0	<10.0	<10.0	<30
C	2	4	1/3/2020	ND	64	<0.050	<0.300	<10.0	<10.0	<10.0	<30
C	3	4	1/3/2020	284	240	<0.050	<0.300	<10.0	<10.0	<10.0	<30
C	4	4	1/7/2020	ND	-	-	-	-	-	-	-
C	5	4	1/7/2020	204	-	-	-	-	-	-	-
D	1	4	1/7/2020	316	-	-	-	-	-	-	-
D	2	4	1/7/2020	316	400	<0.050	<0.300	<10.0	<10.0	<10.0	<30
D	3	4	1/7/2020	316	-	-	-	-	-	-	-
D	4	4	1/3/2020	196	272	<0.050	<0.300	<10.0	<10.0	<10.0	<30
D	5	4	1/3/2020	172	-	-	-	-	-	-	-
E	1	4	1/7/2020	392	144	<0.050	<0.300	<10.0	<10.0	<10.0	<30
E	2	4	1/7/2020	196	-	-	-	-	-	-	-
E	3	4	1/3/2020	124	112	<0.050	<0.300	<10.0	<10.0	<10.0	<30
E	4	4	1/7/2020	196	-	-	-	-	-	-	-
E	5	4	1/7/2020	ND	400	<0.050	<0.300	<10.0	<10.0	<10.0	<30
F	1	4	1/3/2020	ND	-	-	-	-	-	-	-
F	2	4	1/3/2020	172	240	<0.050	<0.300	<10.0	<10.0	<10.0	<30
NMOC thresholds - Remediation				600		10	50				100

BOLD results indicate results above RRAL

- indicates tests were not ran

All units in mg/kg unless otherwise noted

Appendix D. Remediation Sampling Summary Table											
Row	Column	Depth (ft)	Sample Date	Chloride		BTEX (8021B)		TPH (8015M)			
				Field Screening	M4500	Benzene	Total BTEX	GRO	DRO	EXT DRO	C6-C35
F	3	4	1/7/2020	196	-	-	-	-	-	-	-
F	4	4	1/7/2020	316	400	<0.050	<0.300	<10.0	22.9	<10.0	22.9
F	5	4	1/7/2020	284	-	-	-	-	-	-	-
G	1	4	1/7/2020	284	336	<0.050	<0.300	<10.0	<10.0	<10.0	<30
G	2	4	1/7/2020	316	384	<0.050	<0.300	<10.0	<10.0	<10.0	<30
G	3	4	1/3/2020	284	272	<0.050	<0.300	<10.0	<10.0	<10.0	<30
G	4	4	1/3/2020	ND	-	-	-	-	-	-	-
G	5	4	1/3/2020	ND	-	-	-	-	-	-	-
H	1	4	1/3/2020	ND	-	-	-	-	-	-	-
H	2	4	1/7/2020	316	320	<0.050	<0.300	<10.0	11.7	<10.0	11.7
H	3	4	1/3/2020	172	-	-	-	-	-	-	-
H	4	4	1/7/2020	316	400	<0.050	<0.300	<10.0	<10.0	<10.0	<30
H	5	4	1/7/2020	224	-	-	-	-	-	-	-
I	1	4	1/3/2020	ND	384	<0.050	<0.300	<10.0	12.0	<10.0	12.0
I	2	4	1/7/2020	316	-	-	-	-	-	-	-
I	3	4	1/3/2020	ND	80.0	<0.050	<0.300	<10.0	27.3	10.6	37.9
I	4	4	1/3/2020	ND	-	-	-	-	-	-	-
I	5	4	1/3/2020	148	176	<0.050	<0.300	<10.0	<10.0	<10.0	<30
J	1	4	1/7/2020	224	272	<0.050	<0.300	<10.0	10.6	<10.0	10.6
J	2	4	1/3/2020	ND	-	-	-	-	-	-	-
J	3	4	1/3/2020	172	-	-	-	-	-	-	-
J	4	4	1/3/2020	ND	-	-	-	-	-	-	-
J	5	4	1/7/2020	284	288	<0.050	<0.300	<10.0	<10.0	<10.0	<30
K	1	4	1/3/2020	172	176	<0.050	<0.300	<10.0	<10.0	<10.0	<30
K	2	4	1/3/2020	ND	-	-	-	-	-	-	-
K	3	4	1/3/2020	ND	96	<0.050	<0.300	<10.0	<10.0	<10.0	<30
K	4	4	1/3/2020	ND	-	-	-	-	-	-	-
NMOC thresholds - Remediation				600		10	50				100

BOLD results indicate results above RRAL

- indicates tests were not ran

All units in mg/kg unless otherwise noted

Appendix D. Remediation Sampling Summary Table											
Row	Column	Depth (ft)	Sample Date	Chloride		BTEX (8021B)		TPH (8015M)			
				Field Screening	M4500	Benzene	Total BTEX	GRO	DRO	EXT DRO	C6-C35
K	5	4	1/3/2020	196	224	<0.050	<0.300	<10.0	<10.0	<10.0	<30
L	1	4	1/3/2020	ND	-	-	-	-	-	-	-
L	2	4	1/3/2020	ND	144	<0.050	<0.300	<10.0	<10.0	<10.0	<30
L	3	4	1/3/2020	ND	-	-	-	-	-	-	-
L	4	4	1/3/2020	ND	80.0	<0.050	<0.300	<10.0	<10.0	<10.0	<30
L	5	4	1/3/2020	ND	-	-	-	-	-	-	-
NMOCD Thresholds - Remediation				600		10	50				100

BOLD results indicate results above RRAL

- indicates tests were not ran

All units in mg/kg unless otherwise noted

APPENDIX E
SITE PHOTOGRAPHS



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

APPENDIX F.1
LABORATORY REPORTS
CHARACTERIZATION



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

December 04, 2019

MATTHEW LONGCRIER

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: PEDEVCO HALEY 30

Enclosed are the results of analyses for samples received by the laboratory on 11/26/19 14:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. 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.

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:	11/26/2019	Sampling Date:	11/20/2019
Reported:	12/04/2019	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: EB - 1 (H904019-01)

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	11/26/2019	ND	1.86	93.0	2.00	1.92	
Toluene*	<0.050	0.050	11/26/2019	ND	1.82	91.1	2.00	1.83	
Ethylbenzene*	<0.050	0.050	11/26/2019	ND	1.77	88.6	2.00	1.78	
Total Xylenes*	<0.150	0.150	11/26/2019	ND	5.18	86.3	6.00	2.72	
Total BTEX	<0.300	0.300	11/26/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3320	16.0	12/02/2019	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/26/2019	ND	201	101	200	0.353	
DRO >C10-C28*	<10.0	10.0	11/26/2019	ND	202	101	200	0.401	
EXT DRO >C28-C36	<10.0	10.0	11/26/2019	ND					

Surrogate: 1-Chlorooctane 106 % 41-142

Surrogate: 1-Chlorooctadecane 112 % 37.6-147

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* = Accredited Analyte

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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:	11/26/2019	Sampling Date:	11/20/2019
Reported:	12/04/2019	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: EB - 2 (H904019-02)

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	11/26/2019	ND	1.86	93.0	2.00	1.92		
Toluene*	<0.050	0.050	11/26/2019	ND	1.82	91.1	2.00	1.83		
Ethylbenzene*	<0.050	0.050	11/26/2019	ND	1.77	88.6	2.00	1.78		
Total Xylenes*	<0.150	0.150	11/26/2019	ND	5.18	86.3	6.00	2.72		
Total BTEX	<0.300	0.300	11/26/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	880	16.0	12/02/2019	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/26/2019	ND	201	101	200	0.353		
DRO >C10-C28*	<10.0	10.0	11/26/2019	ND	202	101	200	0.401		
EXT DRO >C28-C36	<10.0	10.0	11/26/2019	ND						

Surrogate: 1-Chlorooctane 109 % 41-142

Surrogate: 1-Chlorooctadecane 116 % 37.6-147

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*=Accredited Analyte

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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:	11/26/2019	Sampling Date:	11/20/2019
Reported:	12/04/2019	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: EB - 3 (H904019-03)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/26/2019	ND	1.86	93.0	2.00	1.92		
Toluene*	<0.050	0.050	11/26/2019	ND	1.82	91.1	2.00	1.83		
Ethylbenzene*	<0.050	0.050	11/26/2019	ND	1.77	88.6	2.00	1.78		
Total Xylenes*	<0.150	0.150	11/26/2019	ND	5.18	86.3	6.00	2.72		
Total BTEX	<0.300	0.300	11/26/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2880	16.0	12/02/2019	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/26/2019	ND	201	101	200	0.353		
DRO >C10-C28*	<10.0	10.0	11/26/2019	ND	202	101	200	0.401		
EXT DRO >C28-C36	<10.0	10.0	11/26/2019	ND						

Surrogate: 1-Chlorooctane 107 % 41-142

Surrogate: 1-Chlorooctadecane 113 % 37.6-147

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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:	11/26/2019	Sampling Date:	11/24/2019
Reported:	12/04/2019	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: EB - 4 (H904019-04)

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	11/26/2019	ND	1.86	93.0	2.00	1.92		
Toluene*	<0.050	0.050	11/26/2019	ND	1.82	91.1	2.00	1.83		
Ethylbenzene*	<0.050	0.050	11/26/2019	ND	1.77	88.6	2.00	1.78		
Total Xylenes*	<0.150	0.150	11/26/2019	ND	5.18	86.3	6.00	2.72		
Total BTEX	<0.300	0.300	11/26/2019	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1710	16.0	12/02/2019	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/26/2019	ND	201	101	200	0.353		
DRO >C10-C28*	<10.0	10.0	11/26/2019	ND	202	101	200	0.401		
EXT DRO >C28-C36	<10.0	10.0	11/26/2019	ND						

Surrogate: 1-Chlorooctane 110 % 41-142

Surrogate: 1-Chlorooctadecane 117 % 37.6-147

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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:	11/26/2019	Sampling Date:	11/24/2019
Reported:	12/04/2019	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: EB - 5 (H904019-05)

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	11/26/2019	ND	1.86	93.0	2.00	1.92		
Toluene*	<0.050	0.050	11/26/2019	ND	1.82	91.1	2.00	1.83		
Ethylbenzene*	<0.050	0.050	11/26/2019	ND	1.77	88.6	2.00	1.78		
Total Xylenes*	<0.150	0.150	11/26/2019	ND	5.18	86.3	6.00	2.72		
Total BTEX	<0.300	0.300	11/26/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/02/2019	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/26/2019	ND	201	101	200	0.353		
DRO >C10-C28*	<10.0	10.0	11/26/2019	ND	202	101	200	0.401		
EXT DRO >C28-C36	<10.0	10.0	11/26/2019	ND						

Surrogate: 1-Chlorooctane 107 % 41-142

Surrogate: 1-Chlorooctadecane 112 % 37.6-147

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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: 11/26/2019
 Reported: 12/04/2019
 Project Name: PEDEVCO HALEY 30
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 11/24/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EB - 6 (H904019-06)

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	11/26/2019	ND	1.86	93.0	2.00	1.92		
Toluene*	<0.050	0.050	11/26/2019	ND	1.82	91.1	2.00	1.83		
Ethylbenzene*	<0.050	0.050	11/26/2019	ND	1.77	88.6	2.00	1.78		
Total Xylenes*	<0.150	0.150	11/26/2019	ND	5.18	86.3	6.00	2.72		
Total BTEX	<0.300	0.300	11/26/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	12/02/2019	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/26/2019	ND	201	101	200	0.353		
DRO >C10-C28*	<10.0	10.0	11/26/2019	ND	202	101	200	0.401		
EXT DRO >C28-C36	<10.0	10.0	11/26/2019	ND						

Surrogate: 1-Chlorooctane 105 % 41-142

Surrogate: 1-Chlorooctadecane 111 % 37.6-147

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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:	11/26/2019	Sampling Date:	11/26/2019
Reported:	12/04/2019	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: EB - 7 (H904019-07)

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	11/26/2019	ND	1.86	93.0	2.00	1.92		
Toluene*	<0.050	0.050	11/26/2019	ND	1.82	91.1	2.00	1.83		
Ethylbenzene*	<0.050	0.050	11/26/2019	ND	1.77	88.6	2.00	1.78		
Total Xylenes*	<0.150	0.150	11/26/2019	ND	5.18	86.3	6.00	2.72		
Total BTEX	<0.300	0.300	11/26/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	12/02/2019	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/26/2019	ND	201	101	200	0.353		
DRO >C10-C28*	<10.0	10.0	11/26/2019	ND	202	101	200	0.401		
EXT DRO >C28-C36	<10.0	10.0	11/26/2019	ND						

Surrogate: 1-Chlorooctane 106 % 41-142

Surrogate: 1-Chlorooctadecane 109 % 37.6-147

Cardinal Laboratories

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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:	11/26/2019	Sampling Date:	11/26/2019
Reported:	12/04/2019	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: EB - 8 (H904019-08)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/26/2019	ND	1.86	93.0	2.00	1.92		
Toluene*	<0.050	0.050	11/26/2019	ND	1.82	91.1	2.00	1.83		
Ethylbenzene*	<0.050	0.050	11/26/2019	ND	1.77	88.6	2.00	1.78		
Total Xylenes*	<0.150	0.150	11/26/2019	ND	5.18	86.3	6.00	2.72		
Total BTEX	<0.300	0.300	11/26/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9280	16.0	12/02/2019	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/26/2019	ND	201	101	200	0.353		
DRO >C10-C28*	<10.0	10.0	11/26/2019	ND	202	101	200	0.401		
EXT DRO >C28-C36	<10.0	10.0	11/26/2019	ND						

Surrogate: 1-Chlorooctane 107 % 41-142

Surrogate: 1-Chlorooctadecane 114 % 37.6-147

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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:	11/26/2019	Sampling Date:	11/26/2019
Reported:	12/04/2019	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: EB - 9 (H904019-09)

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	11/26/2019	ND	1.86	93.0	2.00	1.92		
Toluene*	<0.050	0.050	11/26/2019	ND	1.82	91.1	2.00	1.83		
Ethylbenzene*	<0.050	0.050	11/26/2019	ND	1.77	88.6	2.00	1.78		
Total Xylenes*	<0.150	0.150	11/26/2019	ND	5.18	86.3	6.00	2.72		
Total BTEX	<0.300	0.300	11/26/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	656	16.0	12/02/2019	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/26/2019	ND	201	101	200	0.353		
DRO >C10-C28*	<10.0	10.0	11/26/2019	ND	202	101	200	0.401		
EXT DRO >C28-C36	<10.0	10.0	11/26/2019	ND						

Surrogate: 1-Chlorooctane 109 % 41-142

Surrogate: 1-Chlorooctadecane 116 % 37.6-147

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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:	11/26/2019	Sampling Date:	11/20/2019
Reported:	12/04/2019	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: ES - 1 (H904019-10)

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	11/26/2019	ND	1.86	93.0	2.00	1.92		
Toluene*	<0.050	0.050	11/26/2019	ND	1.82	91.1	2.00	1.83		
Ethylbenzene*	<0.050	0.050	11/26/2019	ND	1.77	88.6	2.00	1.78		
Total Xylenes*	<0.150	0.150	11/26/2019	ND	5.18	86.3	6.00	2.72		
Total BTEX	<0.300	0.300	11/26/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	12/02/2019	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/26/2019	ND	201	101	200	0.353		
DRO >C10-C28*	<10.0	10.0	11/26/2019	ND	202	101	200	0.401		
EXT DRO >C28-C36	<10.0	10.0	11/26/2019	ND						

Surrogate: 1-Chlorooctane 105 % 41-142

Surrogate: 1-Chlorooctadecane 109 % 37.6-147

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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:	11/26/2019	Sampling Date:	11/20/2019
Reported:	12/04/2019	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: ES - 2 (H904019-11)

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	11/26/2019	ND	1.86	93.0	2.00	1.92		
Toluene*	<0.050	0.050	11/26/2019	ND	1.82	91.1	2.00	1.83		
Ethylbenzene*	<0.050	0.050	11/26/2019	ND	1.77	88.6	2.00	1.78		
Total Xylenes*	<0.150	0.150	11/26/2019	ND	5.18	86.3	6.00	2.72		
Total BTEX	<0.300	0.300	11/26/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/02/2019	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/26/2019	ND	201	101	200	0.353		
DRO >C10-C28*	<10.0	10.0	11/26/2019	ND	202	101	200	0.401		
EXT DRO >C28-C36	<10.0	10.0	11/26/2019	ND						

Surrogate: 1-Chlorooctane 102 % 41-142

Surrogate: 1-Chlorooctadecane 108 % 37.6-147

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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:	11/26/2019	Sampling Date:	11/20/2019
Reported:	12/04/2019	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: ES - 3 (H904019-12)

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	11/26/2019	ND	1.86	93.0	2.00	1.92		
Toluene*	<0.050	0.050	11/26/2019	ND	1.82	91.1	2.00	1.83		
Ethylbenzene*	<0.050	0.050	11/26/2019	ND	1.77	88.6	2.00	1.78		
Total Xylenes*	<0.150	0.150	11/26/2019	ND	5.18	86.3	6.00	2.72		
Total BTEX	<0.300	0.300	11/26/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	12/02/2019	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/27/2019	ND	201	101	200	0.353		
DRO >C10-C28*	<10.0	10.0	11/27/2019	ND	202	101	200	0.401		
EXT DRO >C28-C36	<10.0	10.0	11/27/2019	ND						

Surrogate: 1-Chlorooctane 108 % 41-142

Surrogate: 1-Chlorooctadecane 114 % 37.6-147

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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:	11/26/2019	Sampling Date:	11/20/2019
Reported:	12/04/2019	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: ES - 4 (H904019-13)

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	11/26/2019	ND	1.86	93.0	2.00	1.92		
Toluene*	<0.050	0.050	11/26/2019	ND	1.82	91.1	2.00	1.83		
Ethylbenzene*	<0.050	0.050	11/26/2019	ND	1.77	88.6	2.00	1.78		
Total Xylenes*	<0.150	0.150	11/26/2019	ND	5.18	86.3	6.00	2.72		
Total BTEX	<0.300	0.300	11/26/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	12/02/2019	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/27/2019	ND	201	101	200	0.353		
DRO >C10-C28*	<10.0	10.0	11/27/2019	ND	202	101	200	0.401		
EXT DRO >C28-C36	<10.0	10.0	11/27/2019	ND						

Surrogate: 1-Chlorooctane 107 % 41-142

Surrogate: 1-Chlorooctadecane 111 % 37.6-147

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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:	11/26/2019	Sampling Date:	11/26/2019
Reported:	12/04/2019	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: ES - 5.2 (H904019-14)

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	11/26/2019	ND	1.86	93.0	2.00	1.92		
Toluene*	<0.050	0.050	11/26/2019	ND	1.82	91.1	2.00	1.83		
Ethylbenzene*	<0.050	0.050	11/26/2019	ND	1.77	88.6	2.00	1.78		
Total Xylenes*	<0.150	0.150	11/26/2019	ND	5.18	86.3	6.00	2.72		
Total BTEX	<0.300	0.300	11/26/2019	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	12/02/2019	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/27/2019	ND	201	101	200	0.353		
DRO >C10-C28*	<10.0	10.0	11/27/2019	ND	202	101	200	0.401		
EXT DRO >C28-C36	<10.0	10.0	11/27/2019	ND						

Surrogate: 1-Chlorooctane 107 % 41-142

Surrogate: 1-Chlorooctadecane 112 % 37.6-147

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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:	11/26/2019	Sampling Date:	11/20/2019
Reported:	12/04/2019	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: ES - 6 (H904019-15)

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	11/26/2019	ND	1.86	93.0	2.00	1.92		
Toluene*	<0.050	0.050	11/26/2019	ND	1.82	91.1	2.00	1.83		
Ethylbenzene*	<0.050	0.050	11/26/2019	ND	1.77	88.6	2.00	1.78		
Total Xylenes*	<0.150	0.150	11/26/2019	ND	5.18	86.3	6.00	2.72		
Total BTEX	<0.300	0.300	11/26/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/02/2019	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/27/2019	ND	201	101	200	0.353		
DRO >C10-C28*	<10.0	10.0	11/27/2019	ND	202	101	200	0.401		
EXT DRO >C28-C36	<10.0	10.0	11/27/2019	ND						

Surrogate: 1-Chlorooctane 104 % 41-142

Surrogate: 1-Chlorooctadecane 110 % 37.6-147

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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:	11/26/2019	Sampling Date:	11/20/2019
Reported:	12/04/2019	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: ES - 7 (H904019-16)

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	11/26/2019	ND	1.86	93.0	2.00	1.92		
Toluene*	<0.050	0.050	11/26/2019	ND	1.82	91.1	2.00	1.83		
Ethylbenzene*	<0.050	0.050	11/26/2019	ND	1.77	88.6	2.00	1.78		
Total Xylenes*	<0.150	0.150	11/26/2019	ND	5.18	86.3	6.00	2.72		
Total BTEX	<0.300	0.300	11/26/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	12/02/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/27/2019	ND	201	101	200	0.353		
DRO >C10-C28*	<10.0	10.0	11/27/2019	ND	202	101	200	0.401		
EXT DRO >C28-C36	<10.0	10.0	11/27/2019	ND						

Surrogate: 1-Chlorooctane 109 % 41-142

Surrogate: 1-Chlorooctadecane 113 % 37.6-147

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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:	11/26/2019	Sampling Date:	11/20/2019
Reported:	12/04/2019	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: ES - 8 (H904019-17)

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	11/26/2019	ND	1.86	93.0	2.00	1.92		
Toluene*	<0.050	0.050	11/26/2019	ND	1.82	91.1	2.00	1.83		
Ethylbenzene*	<0.050	0.050	11/26/2019	ND	1.77	88.6	2.00	1.78		
Total Xylenes*	<0.150	0.150	11/26/2019	ND	5.18	86.3	6.00	2.72		
Total BTEX	<0.300	0.300	11/26/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/02/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/27/2019	ND	201	101	200	0.353		
DRO >C10-C28*	<10.0	10.0	11/27/2019	ND	202	101	200	0.401		
EXT DRO >C28-C36	<10.0	10.0	11/27/2019	ND						

Surrogate: 1-Chlorooctane 105 % 41-142

Surrogate: 1-Chlorooctadecane 112 % 37.6-147

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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:	11/26/2019	Sampling Date:	11/26/2019
Reported:	12/04/2019	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: ES - 9 (H904019-18)

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	11/27/2019	ND	1.76	88.1	2.00	13.5		
Toluene*	<0.050	0.050	11/27/2019	ND	1.69	84.3	2.00	14.2		
Ethylbenzene*	<0.050	0.050	11/27/2019	ND	1.72	85.9	2.00	13.6		
Total Xylenes*	<0.150	0.150	11/27/2019	ND	5.19	86.5	6.00	13.6		
Total BTEX	<0.300	0.300	11/27/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	12/02/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/27/2019	ND	198	98.8	200	4.11		
DRO >C10-C28*	<10.0	10.0	11/27/2019	ND	206	103	200	0.401		
EXT DRO >C28-C36	<10.0	10.0	11/27/2019	ND						

Surrogate: 1-Chlorooctane 107 % 41-142

Surrogate: 1-Chlorooctadecane 113 % 37.6-147

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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:	11/26/2019	Sampling Date:	11/24/2019
Reported:	12/04/2019	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: ES - 10 (H904019-19)

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	11/27/2019	ND	1.76	88.1	2.00	13.5		
Toluene*	<0.050	0.050	11/27/2019	ND	1.69	84.3	2.00	14.2		
Ethylbenzene*	<0.050	0.050	11/27/2019	ND	1.72	85.9	2.00	13.6		
Total Xylenes*	<0.150	0.150	11/27/2019	ND	5.19	86.5	6.00	13.6		
Total BTEX	<0.300	0.300	11/27/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/02/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/27/2019	ND	198	98.8	200	4.11		
DRO >C10-C28*	<10.0	10.0	11/27/2019	ND	206	103	200	0.401		
EXT DRO >C28-C36	<10.0	10.0	11/27/2019	ND						

Surrogate: 1-Chlorooctane 107 % 41-142

Surrogate: 1-Chlorooctadecane 114 % 37.6-147

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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:	11/26/2019	Sampling Date:	11/26/2019
Reported:	12/04/2019	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: ES - 11.2 (H904019-20)

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	11/27/2019	ND	1.76	88.1	2.00	13.5		
Toluene*	<0.050	0.050	11/27/2019	ND	1.69	84.3	2.00	14.2		
Ethylbenzene*	<0.050	0.050	11/27/2019	ND	1.72	85.9	2.00	13.6		
Total Xylenes*	<0.150	0.150	11/27/2019	ND	5.19	86.5	6.00	13.6		
Total BTEX	<0.300	0.300	11/27/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	12/02/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/27/2019	ND	198	98.8	200	4.11		
DRO >C10-C28*	<10.0	10.0	11/27/2019	ND	206	103	200	0.401		
EXT DRO >C28-C36	<10.0	10.0	11/27/2019	ND						

Surrogate: 1-Chlorooctane 96.2 % 41-142

Surrogate: 1-Chlorooctadecane 102 % 37.6-147

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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:	11/26/2019	Sampling Date:	11/24/2019
Reported:	12/04/2019	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: ES - 12 (H904019-21)

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	11/27/2019	ND	1.76	88.1	2.00	13.5		
Toluene*	<0.050	0.050	11/27/2019	ND	1.69	84.3	2.00	14.2		
Ethylbenzene*	<0.050	0.050	11/27/2019	ND	1.72	85.9	2.00	13.6		
Total Xylenes*	<0.150	0.150	11/27/2019	ND	5.19	86.5	6.00	13.6		
Total BTEX	<0.300	0.300	11/27/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/02/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/27/2019	ND	198	98.8	200	4.11		
DRO >C10-C28*	<10.0	10.0	11/27/2019	ND	206	103	200	0.401		
EXT DRO >C28-C36	<10.0	10.0	11/27/2019	ND						

Surrogate: 1-Chlorooctane 97.4 % 41-142

Surrogate: 1-Chlorooctadecane 104 % 37.6-147

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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:	11/26/2019	Sampling Date:	11/24/2019
Reported:	12/04/2019	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: ES - 13 (H904019-22)

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	11/27/2019	ND	1.76	88.1	2.00	13.5		
Toluene*	<0.050	0.050	11/27/2019	ND	1.69	84.3	2.00	14.2		
Ethylbenzene*	<0.050	0.050	11/27/2019	ND	1.72	85.9	2.00	13.6		
Total Xylenes*	<0.150	0.150	11/27/2019	ND	5.19	86.5	6.00	13.6		
Total BTEX	<0.300	0.300	11/27/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/02/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/27/2019	ND	198	98.8	200	4.11		
DRO >C10-C28*	<10.0	10.0	11/27/2019	ND	206	103	200	0.401		
EXT DRO >C28-C36	<10.0	10.0	11/27/2019	ND						

Surrogate: 1-Chlorooctane 107 % 41-142

Surrogate: 1-Chlorooctadecane 113 % 37.6-147

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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: 11/26/2019
 Reported: 12/04/2019
 Project Name: PEDEVCO HALEY 30
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 11/24/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: ES - 14 (H904019-23)

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	11/27/2019	ND	1.76	88.1	2.00	13.5		
Toluene*	<0.050	0.050	11/27/2019	ND	1.69	84.3	2.00	14.2		
Ethylbenzene*	<0.050	0.050	11/27/2019	ND	1.72	85.9	2.00	13.6		
Total Xylenes*	<0.150	0.150	11/27/2019	ND	5.19	86.5	6.00	13.6		
Total BTEX	<0.300	0.300	11/27/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/02/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/27/2019	ND	198	98.8	200	4.11		
DRO >C10-C28*	<10.0	10.0	11/27/2019	ND	206	103	200	0.401		
EXT DRO >C28-C36	<10.0	10.0	11/27/2019	ND						

Surrogate: 1-Chlorooctane 107 % 41-142

Surrogate: 1-Chlorooctadecane 113 % 37.6-147

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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: 11/26/2019
 Reported: 12/04/2019
 Project Name: PEDEVCO HALEY 30
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 11/24/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: ES - 15 (H904019-24)

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	11/27/2019	ND	1.76	88.1	2.00	13.5	
Toluene*	<0.050	0.050	11/27/2019	ND	1.69	84.3	2.00	14.2	
Ethylbenzene*	<0.050	0.050	11/27/2019	ND	1.72	85.9	2.00	13.6	
Total Xylenes*	<0.150	0.150	11/27/2019	ND	5.19	86.5	6.00	13.6	
Total BTEX	<0.300	0.300	11/27/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/02/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/27/2019	ND	198	98.8	200	4.11	
DRO >C10-C28*	<10.0	10.0	11/27/2019	ND	206	103	200	0.401	
EXT DRO >C28-C36	<10.0	10.0	11/27/2019	ND					

Surrogate: 1-Chlorooctane 108 % 41-142

Surrogate: 1-Chlorooctadecane 113 % 37.6-147

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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:	11/26/2019	Sampling Date:	11/24/2019
Reported:	12/04/2019	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: ES - 16 (H904019-25)

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	11/27/2019	ND	1.76	88.1	2.00	13.5		
Toluene*	<0.050	0.050	11/27/2019	ND	1.69	84.3	2.00	14.2		
Ethylbenzene*	<0.050	0.050	11/27/2019	ND	1.72	85.9	2.00	13.6		
Total Xylenes*	<0.150	0.150	11/27/2019	ND	5.19	86.5	6.00	13.6		
Total BTEX	<0.300	0.300	11/27/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.4 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/02/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/27/2019	ND	198	98.8	200	4.11		
DRO >C10-C28*	<10.0	10.0	11/27/2019	ND	206	103	200	0.401		
EXT DRO >C28-C36	<10.0	10.0	11/27/2019	ND						

Surrogate: 1-Chlorooctane 102 % 41-142

Surrogate: 1-Chlorooctadecane 108 % 37.6-147

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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:	11/26/2019	Sampling Date:	11/24/2019
Reported:	12/04/2019	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: ES - 17 (H904019-26)

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	11/27/2019	ND	1.76	88.1	2.00	13.5		
Toluene*	<0.050	0.050	11/27/2019	ND	1.69	84.3	2.00	14.2		
Ethylbenzene*	<0.050	0.050	11/27/2019	ND	1.72	85.9	2.00	13.6		
Total Xylenes*	<0.150	0.150	11/27/2019	ND	5.19	86.5	6.00	13.6		
Total BTEX	<0.300	0.300	11/27/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/02/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/27/2019	ND	198	98.8	200	4.11		
DRO >C10-C28*	<10.0	10.0	11/27/2019	ND	206	103	200	0.401		
EXT DRO >C28-C36	<10.0	10.0	11/27/2019	ND						

Surrogate: 1-Chlorooctane 105 % 41-142

Surrogate: 1-Chlorooctadecane 112 % 37.6-147

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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:	11/26/2019	Sampling Date:	11/24/2019
Reported:	12/04/2019	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: ES - 18 (H904019-27)

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	11/27/2019	ND	1.76	88.1	2.00	13.5		
Toluene*	<0.050	0.050	11/27/2019	ND	1.69	84.3	2.00	14.2		
Ethylbenzene*	<0.050	0.050	11/27/2019	ND	1.72	85.9	2.00	13.6		
Total Xylenes*	<0.150	0.150	11/27/2019	ND	5.19	86.5	6.00	13.6		
Total BTEX	<0.300	0.300	11/27/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/02/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/27/2019	ND	198	98.8	200	4.11		
DRO >C10-C28*	<10.0	10.0	11/27/2019	ND	206	103	200	0.401		
EXT DRO >C28-C36	<10.0	10.0	11/27/2019	ND						

Surrogate: 1-Chlorooctane 104 % 41-142

Surrogate: 1-Chlorooctadecane 112 % 37.6-147

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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:	11/26/2019	Sampling Date:	11/24/2019
Reported:	12/04/2019	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: ES - 19 (H904019-28)

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	11/27/2019	ND	1.76	88.1	2.00	13.5		
Toluene*	<0.050	0.050	11/27/2019	ND	1.69	84.3	2.00	14.2		
Ethylbenzene*	<0.050	0.050	11/27/2019	ND	1.72	85.9	2.00	13.6		
Total Xylenes*	<0.150	0.150	11/27/2019	ND	5.19	86.5	6.00	13.6		
Total BTEX	<0.300	0.300	11/27/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/02/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/27/2019	ND	198	98.8	200	4.11		
DRO >C10-C28*	<10.0	10.0	11/27/2019	ND	206	103	200	0.401		
EXT DRO >C28-C36	<10.0	10.0	11/27/2019	ND						

Surrogate: 1-Chlorooctane 110 % 41-142

Surrogate: 1-Chlorooctadecane 118 % 37.6-147

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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:	11/26/2019	Sampling Date:	11/24/2019
Reported:	12/04/2019	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: ES - 20 (H904019-29)

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	11/27/2019	ND	1.76	88.1	2.00	13.5	
Toluene*	<0.050	0.050	11/27/2019	ND	1.69	84.3	2.00	14.2	
Ethylbenzene*	<0.050	0.050	11/27/2019	ND	1.72	85.9	2.00	13.6	
Total Xylenes*	<0.150	0.150	11/27/2019	ND	5.19	86.5	6.00	13.6	
Total BTEX	<0.300	0.300	11/27/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/02/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/27/2019	ND	198	98.8	200	4.11	
DRO >C10-C28*	<10.0	10.0	11/27/2019	ND	206	103	200	0.401	
EXT DRO >C28-C36	<10.0	10.0	11/27/2019	ND					

Surrogate: 1-Chlorooctane 105 % 41-142

Surrogate: 1-Chlorooctadecane 112 % 37.6-147

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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:	11/26/2019	Sampling Date:	11/24/2019
Reported:	12/04/2019	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: ES - 21 (H904019-30)

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	11/27/2019	ND	1.76	88.1	2.00	13.5		
Toluene*	<0.050	0.050	11/27/2019	ND	1.69	84.3	2.00	14.2		
Ethylbenzene*	<0.050	0.050	11/27/2019	ND	1.72	85.9	2.00	13.6		
Total Xylenes*	<0.150	0.150	11/27/2019	ND	5.19	86.5	6.00	13.6		
Total BTEX	<0.300	0.300	11/27/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/02/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/27/2019	ND	198	98.8	200	4.11		
DRO >C10-C28*	<10.0	10.0	11/27/2019	ND	206	103	200	0.401		
EXT DRO >C28-C36	<10.0	10.0	11/27/2019	ND						

Surrogate: 1-Chlorooctane 103 % 41-142

Surrogate: 1-Chlorooctadecane 109 % 37.6-147

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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:	11/26/2019	Sampling Date:	11/24/2019
Reported:	12/04/2019	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: ES - 22 (H904019-31)

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	11/27/2019	ND	1.76	88.1	2.00	13.5	
Toluene*	<0.050	0.050	11/27/2019	ND	1.69	84.3	2.00	14.2	
Ethylbenzene*	<0.050	0.050	11/27/2019	ND	1.72	85.9	2.00	13.6	
Total Xylenes*	<0.150	0.150	11/27/2019	ND	5.19	86.5	6.00	13.6	
Total BTEX	<0.300	0.300	11/27/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/02/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/27/2019	ND	198	98.8	200	4.11	
DRO >C10-C28*	<10.0	10.0	11/27/2019	ND	206	103	200	0.401	
EXT DRO >C28-C36	<10.0	10.0	11/27/2019	ND					

Surrogate: 1-Chlorooctane 96.0 % 41-142

Surrogate: 1-Chlorooctadecane 104 % 37.6-147

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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:	11/26/2019	Sampling Date:	11/24/2019
Reported:	12/04/2019	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: ES - 23.2 (H904019-32)

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	11/27/2019	ND	1.76	88.1	2.00	13.5		
Toluene*	<0.050	0.050	11/27/2019	ND	1.69	84.3	2.00	14.2		
Ethylbenzene*	<0.050	0.050	11/27/2019	ND	1.72	85.9	2.00	13.6		
Total Xylenes*	<0.150	0.150	11/27/2019	ND	5.19	86.5	6.00	13.6		
Total BTEX	<0.300	0.300	11/27/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	12/02/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/27/2019	ND	198	98.8	200	4.11		
DRO >C10-C28*	<10.0	10.0	11/27/2019	ND	206	103	200	0.401		
EXT DRO >C28-C36	<10.0	10.0	11/27/2019	ND						

Surrogate: 1-Chlorooctane 101 % 41-142

Surrogate: 1-Chlorooctadecane 104 % 37.6-147

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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:	11/26/2019	Sampling Date:	11/24/2019
Reported:	12/04/2019	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: ES - 24 (H904019-33)

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	11/28/2019	ND	1.76	88.1	2.00	13.5		
Toluene*	<0.050	0.050	11/28/2019	ND	1.69	84.3	2.00	14.2		
Ethylbenzene*	<0.050	0.050	11/28/2019	ND	1.72	85.9	2.00	13.6		
Total Xylenes*	<0.150	0.150	11/28/2019	ND	5.19	86.5	6.00	13.6		
Total BTEX	<0.300	0.300	11/28/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	12/02/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/27/2019	ND	198	98.8	200	4.11		
DRO >C10-C28*	<10.0	10.0	11/27/2019	ND	206	103	200	0.401		
EXT DRO >C28-C36	<10.0	10.0	11/27/2019	ND						

Surrogate: 1-Chlorooctane 108 % 41-142

Surrogate: 1-Chlorooctadecane 112 % 37.6-147

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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:	11/26/2019	Sampling Date:	11/24/2019
Reported:	12/04/2019	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: ES - 25 (H904019-34)

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	11/28/2019	ND	1.76	88.1	2.00	13.5	
Toluene*	<0.050	0.050	11/28/2019	ND	1.69	84.3	2.00	14.2	
Ethylbenzene*	<0.050	0.050	11/28/2019	ND	1.72	85.9	2.00	13.6	
Total Xylenes*	<0.150	0.150	11/28/2019	ND	5.19	86.5	6.00	13.6	
Total BTEX	<0.300	0.300	11/28/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/02/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/27/2019	ND	198	98.8	200	4.11	
DRO >C10-C28*	<10.0	10.0	11/27/2019	ND	206	103	200	0.401	
EXT DRO >C28-C36	<10.0	10.0	11/27/2019	ND					

Surrogate: 1-Chlorooctane 107 % 41-142

Surrogate: 1-Chlorooctadecane 114 % 37.6-147

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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:	11/26/2019	Sampling Date:	11/26/2019
Reported:	12/04/2019	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: ES - 26.2 (H904019-35)

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	11/28/2019	ND	1.76	88.1	2.00	13.5		
Toluene*	<0.050	0.050	11/28/2019	ND	1.69	84.3	2.00	14.2		
Ethylbenzene*	<0.050	0.050	11/28/2019	ND	1.72	85.9	2.00	13.6		
Total Xylenes*	<0.150	0.150	11/28/2019	ND	5.19	86.5	6.00	13.6		
Total BTEX	<0.300	0.300	11/28/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	12/02/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/27/2019	ND	198	98.8	200	4.11		
DRO >C10-C28*	<10.0	10.0	11/27/2019	ND	206	103	200	0.401		
EXT DRO >C28-C36	<10.0	10.0	11/27/2019	ND						

Surrogate: 1-Chlorooctane 109 % 41-142

Surrogate: 1-Chlorooctadecane 115 % 37.6-147

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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:	11/26/2019	Sampling Date:	11/26/2019
Reported:	12/04/2019	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: ES - 27 (H904019-36)

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	11/28/2019	ND	1.76	88.1	2.00	13.5		
Toluene*	<0.050	0.050	11/28/2019	ND	1.69	84.3	2.00	14.2		
Ethylbenzene*	<0.050	0.050	11/28/2019	ND	1.72	85.9	2.00	13.6		
Total Xylenes*	<0.150	0.150	11/28/2019	ND	5.19	86.5	6.00	13.6		
Total BTEX	<0.300	0.300	11/28/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	12/02/2019	ND	416	104	400	0.00	QM-07	

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	11/27/2019	ND	198	98.8	200	4.11		
DRO >C10-C28*	<10.0	10.0	11/27/2019	ND	206	103	200	0.401		
EXT DRO >C28-C36	<10.0	10.0	11/27/2019	ND						

Surrogate: 1-Chlorooctane 82.7 % 41-142

Surrogate: 1-Chlorooctadecane 89.1 % 37.6-147

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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:	11/26/2019	Sampling Date:	11/26/2019
Reported:	12/04/2019	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: ES - 28.3 (H904019-37)

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	11/28/2019	ND	1.76	88.1	2.00	13.5	
Toluene*	<0.050	0.050	11/28/2019	ND	1.69	84.3	2.00	14.2	
Ethylbenzene*	<0.050	0.050	11/28/2019	ND	1.72	85.9	2.00	13.6	
Total Xylenes*	<0.150	0.150	11/28/2019	ND	5.19	86.5	6.00	13.6	
Total BTEX	<0.300	0.300	11/28/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	12/02/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/27/2019	ND	198	98.8	200	4.11	
DRO >C10-C28*	<10.0	10.0	11/27/2019	ND	206	103	200	0.401	
EXT DRO >C28-C36	<10.0	10.0	11/27/2019	ND					

Surrogate: 1-Chlorooctane 102 % 41-142

Surrogate: 1-Chlorooctadecane 111 % 37.6-147

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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:	11/26/2019	Sampling Date:	11/26/2019
Reported:	12/04/2019	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: ES - 29 (H904019-38)

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	12/02/2019	ND	2.00	99.9	2.00	2.06		
Toluene*	<0.050	0.050	12/02/2019	ND	1.91	95.5	2.00	2.27		
Ethylbenzene*	<0.050	0.050	12/02/2019	ND	1.94	96.8	2.00	2.41		
Total Xylenes*	<0.150	0.150	12/02/2019	ND	5.88	98.1	6.00	2.34		
Total BTEX	<0.300	0.300	12/02/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	12/02/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/27/2019	ND	199	99.7	200	2.31		
DRO >C10-C28*	<10.0	10.0	11/27/2019	ND	203	101	200	0.662		
EXT DRO >C28-C36	<10.0	10.0	11/27/2019	ND						

Surrogate: 1-Chlorooctane 97.7 % 41-142

Surrogate: 1-Chlorooctadecane 105 % 37.6-147

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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: 11/26/2019
 Reported: 12/04/2019
 Project Name: PEDEVCO HALEY 30
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 11/26/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: ES - 30 (H904019-39)

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	12/02/2019	ND	2.00	99.9	2.00	2.06	
Toluene*	<0.050	0.050	12/02/2019	ND	1.91	95.5	2.00	2.27	
Ethylbenzene*	<0.050	0.050	12/02/2019	ND	1.94	96.8	2.00	2.41	
Total Xylenes*	<0.150	0.150	12/02/2019	ND	5.88	98.1	6.00	2.34	
Total BTEX	<0.300	0.300	12/02/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	12/02/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/27/2019	ND	199	99.7	200	2.31	
DRO >C10-C28*	<10.0	10.0	11/27/2019	ND	203	101	200	0.662	
EXT DRO >C28-C36	<10.0	10.0	11/27/2019	ND					

Surrogate: 1-Chlorooctane 106 % 41-142

Surrogate: 1-Chlorooctadecane 111 % 37.6-147

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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:	11/26/2019	Sampling Date:	11/26/2019
Reported:	12/04/2019	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: ES - 31.2 (H904019-40)

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	12/02/2019	ND	2.00	99.9	2.00	2.06	
Toluene*	<0.050	0.050	12/02/2019	ND	1.91	95.5	2.00	2.27	
Ethylbenzene*	<0.050	0.050	12/02/2019	ND	1.94	96.8	2.00	2.41	
Total Xylenes*	<0.150	0.150	12/02/2019	ND	5.88	98.1	6.00	2.34	
Total BTEX	<0.300	0.300	12/02/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	12/02/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/27/2019	ND	199	99.7	200	2.31	
DRO >C10-C28*	<10.0	10.0	11/27/2019	ND	203	101	200	0.662	
EXT DRO >C28-C36	<10.0	10.0	11/27/2019	ND					

Surrogate: 1-Chlorooctane 105 % 41-142

Surrogate: 1-Chlorooctadecane 110 % 37.6-147

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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:	11/26/2019	Sampling Date:	11/26/2019
Reported:	12/04/2019	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: ES - 32.2 (H904019-41)

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	12/02/2019	ND	2.00	99.9	2.00	2.06	
Toluene*	<0.050	0.050	12/02/2019	ND	1.91	95.5	2.00	2.27	
Ethylbenzene*	<0.050	0.050	12/02/2019	ND	1.94	96.8	2.00	2.41	
Total Xylenes*	<0.150	0.150	12/02/2019	ND	5.88	98.1	6.00	2.34	
Total BTEX	<0.300	0.300	12/02/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/02/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/27/2019	ND	199	99.7	200	2.31	
DRO >C10-C28*	<10.0	10.0	11/27/2019	ND	203	101	200	0.662	
EXT DRO >C28-C36	<10.0	10.0	11/27/2019	ND					

Surrogate: 1-Chlorooctane 104 % 41-142

Surrogate: 1-Chlorooctadecane 111 % 37.6-147

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

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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: KX Soil		P.O. #:		BILL TO		ANALYSIS REQUEST			
Project Manager: Matthew Longener		Company:							
Address:		Attn:							
City:		Address:							
Phone #:		City:							
Project #:		State:							
Project Name: Pedevco Haler 30		Zip:							
Project Location:		Phone #:							
Sampler Name:		Fax #:							
FOR LAB USE ONLY		MATRIX		PRESERV.		SAMPLING			
Lab I.D. Sample I.D.		(G)RAB OR (C)OMP.		DATE		TIME			
		# CONTAINERS							
		GROUNDWATER							
		WASTEWATER							
		SOIL							
		OIL							
		SLUDGE							
		OTHER :							
		ACID/BASE:							
		ICE / COOL							
		OTHER :							
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		EB-2		11/20				Btex	
		EB-3		11/24				Chlorides	
		EB-4		11/24					
		EB-5		11/24					
		EB-6		11/24					
		EB-7		11/24					
		EB-8		11/24					
		EB-9		11/24					
		ES-1		11/20		8:00am			
Relinquished By: Matt Longener		Date: 11/20		Time: 7:20		Received By: Jessica White		Date: 11/20	
Delivered By: (Circle One)		Observed Temp. °C		Corrected Temp. °C		Sample Condition		CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other:		4.3		4.7		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		70-	
REMARKS:		Turnaround Time:		Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>		Bacteria (only) <input type="checkbox"/>		Sample Condition	
		Thermometer ID #97		Correction Factor +0.4 °C		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Observed Temp. °C	
						Corrected Temp. °C			

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: RX Soil		P.O. #:		BILL TO		ANALYSIS REQUEST	
Project Manager: Matthew Langerier		Company:					
Address:		Attn:					
City:		Address:					
Phone #:		City:					
Project #:		State:					
Project Name: Pedvelco Haley 30		Zip:					
Project Location:		Phone #:					
Sampler Name: Matt		Fax #:					
FOR LAB USE ONLY		PRESERV		SAMPLING			
Lab I.D. Sample I.D.		MATRIX					
H904019		GROUNDWATER					
41		WASTEWATER					
ES-32.2		SOIL					
		OIL					
		SLUDGE					
		OTHER :					
		ACID/BASE:					
		ICE / COOL					
		OTHER :					
		DATE					
		TIME					
		4/1					
		4/26					
		8:00 am					
		TPH					
		Btex					
		Chlorides					

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Relinquished By: Matt Langerier	Date: 4/26	Received By: Jessama Keene	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Date:	Received By:	All Results are emailed. <input type="checkbox"/> Yes <input type="checkbox"/> No	Please provide Email address:
Delivered By: (Circle One)	Observed Temp. °C	Sample Condition	Checked By: (Initials)	Turnaround Time:
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	4.3	Standard
		Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	4.7	Rush
			4.0	Bacteria (only) <input type="checkbox"/> Yes <input type="checkbox"/> No
				Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No
				Sample Condition
				Observed Temp. °C
				Corrected Temp. °C

FOR INFORMATION ONLY

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APPENDIX F.2
LABORATORY REPORTS
REMEDIATION



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

January 13, 2020

MATTHEW LONGCRIER

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: PEDEVCO HALEY 30

Enclosed are the results of analyses for samples received by the laboratory on 01/08/20 13:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. 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



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:	01/08/2020	Sampling Date:	01/03/2020
Reported:	01/13/2020	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: A 1 (H000065-01)

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	01/10/2020	ND	2.09	104	2.00	3.22		
Toluene*	<0.050	0.050	01/10/2020	ND	2.07	104	2.00	3.06		
Ethylbenzene*	<0.050	0.050	01/10/2020	ND	2.11	105	2.00	2.66		
Total Xylenes*	<0.150	0.150	01/10/2020	ND	6.14	102	6.00	2.42		
Total BTEX	<0.300	0.300	01/10/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	01/09/2020	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	01/09/2020	ND	191	95.7	200	6.24		
DRO >C10-C28*	<10.0	10.0	01/09/2020	ND	215	107	200	4.95		
EXT DRO >C28-C36	<10.0	10.0	01/09/2020	ND						

Surrogate: 1-Chlorooctane 83.0 % 41-142

Surrogate: 1-Chlorooctadecane 90.2 % 37.6-147

Cardinal Laboratories

*=Accredited Analyte

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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:	01/08/2020	Sampling Date:	01/03/2020
Reported:	01/13/2020	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: A 3 (H000065-02)

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	01/10/2020	ND	2.09	104	2.00	3.22	
Toluene*	<0.050	0.050	01/10/2020	ND	2.07	104	2.00	3.06	
Ethylbenzene*	<0.050	0.050	01/10/2020	ND	2.11	105	2.00	2.66	
Total Xylenes*	<0.150	0.150	01/10/2020	ND	6.14	102	6.00	2.42	
Total BTEX	<0.300	0.300	01/10/2020	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	01/09/2020	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	01/10/2020	ND	191	95.7	200	6.24	
DRO >C10-C28*	<10.0	10.0	01/10/2020	ND	215	107	200	4.95	
EXT DRO >C28-C36	<10.0	10.0	01/10/2020	ND					

Surrogate: 1-Chlorooctane 83.8 % 41-142

Surrogate: 1-Chlorooctadecane 89.6 % 37.6-147

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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:	01/08/2020	Sampling Date:	01/03/2020
Reported:	01/13/2020	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: A 5 (H000065-03)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2020	ND	2.09	104	2.00	3.22	
Toluene*	<0.050	0.050	01/10/2020	ND	2.07	104	2.00	3.06	
Ethylbenzene*	<0.050	0.050	01/10/2020	ND	2.11	105	2.00	2.66	
Total Xylenes*	<0.150	0.150	01/10/2020	ND	6.14	102	6.00	2.42	
Total BTEX	<0.300	0.300	01/10/2020	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	01/09/2020	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	01/10/2020	ND	191	95.7	200	6.24	
DRO >C10-C28*	<10.0	10.0	01/10/2020	ND	215	107	200	4.95	
EXT DRO >C28-C36	<10.0	10.0	01/10/2020	ND					

Surrogate: 1-Chlorooctane 83.1 % 41-142

Surrogate: 1-Chlorooctadecane 91.0 % 37.6-147

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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:	01/08/2020	Sampling Date:	01/03/2020
Reported:	01/13/2020	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: B 2 (H000065-04)

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	01/10/2020	ND	2.09	104	2.00	3.22		
Toluene*	<0.050	0.050	01/10/2020	ND	2.07	104	2.00	3.06		
Ethylbenzene*	<0.050	0.050	01/10/2020	ND	2.11	105	2.00	2.66		
Total Xylenes*	<0.150	0.150	01/10/2020	ND	6.14	102	6.00	2.42		
Total BTEX	<0.300	0.300	01/10/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	01/09/2020	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	01/10/2020	ND	191	95.7	200	6.24		
DRO >C10-C28*	<10.0	10.0	01/10/2020	ND	215	107	200	4.95		
EXT DRO >C28-C36	<10.0	10.0	01/10/2020	ND						

Surrogate: 1-Chlorooctane 83.6 % 41-142

Surrogate: 1-Chlorooctadecane 90.3 % 37.6-147

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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:	01/08/2020	Sampling Date:	01/03/2020
Reported:	01/13/2020	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: B 4 (H000065-05)

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	01/10/2020	ND	2.09	104	2.00	3.22	
Toluene*	<0.050	0.050	01/10/2020	ND	2.07	104	2.00	3.06	
Ethylbenzene*	<0.050	0.050	01/10/2020	ND	2.11	105	2.00	2.66	
Total Xylenes*	<0.150	0.150	01/10/2020	ND	6.14	102	6.00	2.42	
Total BTEX	<0.300	0.300	01/10/2020	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	01/09/2020	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	01/10/2020	ND	191	95.7	200	6.24	
DRO >C10-C28*	<10.0	10.0	01/10/2020	ND	215	107	200	4.95	
EXT DRO >C28-C36	<10.0	10.0	01/10/2020	ND					

Surrogate: 1-Chlorooctane 91.6 % 41-142

Surrogate: 1-Chlorooctadecane 96.7 % 37.6-147

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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:	01/08/2020	Sampling Date:	01/07/2020
Reported:	01/13/2020	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: C 1 (H000065-06)

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	01/10/2020	ND	2.09	104	2.00	3.22	
Toluene*	<0.050	0.050	01/10/2020	ND	2.07	104	2.00	3.06	
Ethylbenzene*	<0.050	0.050	01/10/2020	ND	2.11	105	2.00	2.66	
Total Xylenes*	<0.150	0.150	01/10/2020	ND	6.14	102	6.00	2.42	
Total BTEX	<0.300	0.300	01/10/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	01/09/2020	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	01/10/2020	ND	191	95.7	200	6.24	
DRO >C10-C28*	<10.0	10.0	01/10/2020	ND	215	107	200	4.95	
EXT DRO >C28-C36	<10.0	10.0	01/10/2020	ND					

Surrogate: 1-Chlorooctane 77.9 % 41-142

Surrogate: 1-Chlorooctadecane 83.3 % 37.6-147

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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: 01/08/2020
 Reported: 01/13/2020
 Project Name: PEDEVCO HALEY 30
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 01/03/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: C 2 (H000065-07)

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	01/10/2020	ND	2.09	104	2.00	3.22	
Toluene*	<0.050	0.050	01/10/2020	ND	2.07	104	2.00	3.06	
Ethylbenzene*	<0.050	0.050	01/10/2020	ND	2.11	105	2.00	2.66	
Total Xylenes*	<0.150	0.150	01/10/2020	ND	6.14	102	6.00	2.42	
Total BTEX	<0.300	0.300	01/10/2020	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/09/2020	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	01/10/2020	ND	191	95.7	200	6.24	
DRO >C10-C28*	<10.0	10.0	01/10/2020	ND	215	107	200	4.95	
EXT DRO >C28-C36	<10.0	10.0	01/10/2020	ND					

Surrogate: 1-Chlorooctane 81.6 % 41-142

Surrogate: 1-Chlorooctadecane 88.7 % 37.6-147

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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:	01/08/2020	Sampling Date:	01/03/2020
Reported:	01/13/2020	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: C 3 (H000065-08)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2020	ND	2.09	104	2.00	3.22	
Toluene*	<0.050	0.050	01/10/2020	ND	2.07	104	2.00	3.06	
Ethylbenzene*	<0.050	0.050	01/10/2020	ND	2.11	105	2.00	2.66	
Total Xylenes*	<0.150	0.150	01/10/2020	ND	6.14	102	6.00	2.42	
Total BTEX	<0.300	0.300	01/10/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	01/09/2020	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	01/10/2020	ND	191	95.7	200	6.24	
DRO >C10-C28*	<10.0	10.0	01/10/2020	ND	215	107	200	4.95	
EXT DRO >C28-C36	<10.0	10.0	01/10/2020	ND					

Surrogate: 1-Chlorooctane 78.3 % 41-142

Surrogate: 1-Chlorooctadecane 82.9 % 37.6-147

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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:	01/08/2020	Sampling Date:	01/07/2020
Reported:	01/13/2020	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: D 2 (H000065-09)

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	01/10/2020	ND	2.09	104	2.00	3.22	
Toluene*	<0.050	0.050	01/10/2020	ND	2.07	104	2.00	3.06	
Ethylbenzene*	<0.050	0.050	01/10/2020	ND	2.11	105	2.00	2.66	
Total Xylenes*	<0.150	0.150	01/10/2020	ND	6.14	102	6.00	2.42	
Total BTEX	<0.300	0.300	01/10/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	01/09/2020	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	01/10/2020	ND	191	95.7	200	6.24	
DRO >C10-C28*	<10.0	10.0	01/10/2020	ND	215	107	200	4.95	
EXT DRO >C28-C36	<10.0	10.0	01/10/2020	ND					

Surrogate: 1-Chlorooctane 77.3 % 41-142

Surrogate: 1-Chlorooctadecane 84.2 % 37.6-147

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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:	01/08/2020	Sampling Date:	01/03/2020
Reported:	01/13/2020	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: D 4 (H000065-10)

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	01/10/2020	ND	2.09	104	2.00	3.22	
Toluene*	<0.050	0.050	01/10/2020	ND	2.07	104	2.00	3.06	
Ethylbenzene*	<0.050	0.050	01/10/2020	ND	2.11	105	2.00	2.66	
Total Xylenes*	<0.150	0.150	01/10/2020	ND	6.14	102	6.00	2.42	
Total BTEX	<0.300	0.300	01/10/2020	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	01/09/2020	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	01/10/2020	ND	196	98.2	200	0.145	
DRO >C10-C28*	<10.0	10.0	01/10/2020	ND	217	108	200	0.728	
EXT DRO >C28-C36	<10.0	10.0	01/10/2020	ND					

Surrogate: 1-Chlorooctane 79.5 % 41-142

Surrogate: 1-Chlorooctadecane 89.1 % 37.6-147

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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: 01/08/2020
 Reported: 01/13/2020
 Project Name: PEDEVCO HALEY 30
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 01/07/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: E 1 (H000065-11)

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	01/10/2020	ND	2.09	104	2.00	3.22	
Toluene*	<0.050	0.050	01/10/2020	ND	2.07	104	2.00	3.06	
Ethylbenzene*	<0.050	0.050	01/10/2020	ND	2.11	105	2.00	2.66	
Total Xylenes*	<0.150	0.150	01/10/2020	ND	6.14	102	6.00	2.42	
Total BTEX	<0.300	0.300	01/10/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	01/09/2020	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	01/10/2020	ND	196	98.2	200	0.145	
DRO >C10-C28*	<10.0	10.0	01/10/2020	ND	217	108	200	0.728	
EXT DRO >C28-C36	<10.0	10.0	01/10/2020	ND					

Surrogate: 1-Chlorooctane 82.1 % 41-142

Surrogate: 1-Chlorooctadecane 90.6 % 37.6-147

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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:	01/08/2020	Sampling Date:	01/03/2020
Reported:	01/13/2020	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: E 3 (H00065-12)

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	01/10/2020	ND	2.09	104	2.00	3.22	
Toluene*	<0.050	0.050	01/10/2020	ND	2.07	104	2.00	3.06	
Ethylbenzene*	<0.050	0.050	01/10/2020	ND	2.11	105	2.00	2.66	
Total Xylenes*	<0.150	0.150	01/10/2020	ND	6.14	102	6.00	2.42	
Total BTEX	<0.300	0.300	01/10/2020	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	01/09/2020	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	01/10/2020	ND	196	98.2	200	0.145	
DRO >C10-C28*	<10.0	10.0	01/10/2020	ND	217	108	200	0.728	
EXT DRO >C28-C36	<10.0	10.0	01/10/2020	ND					

Surrogate: 1-Chlorooctane 75.9 % 41-142

Surrogate: 1-Chlorooctadecane 84.6 % 37.6-147

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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:	01/08/2020	Sampling Date:	01/07/2020
Reported:	01/13/2020	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: E 5 (H00065-13)

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	01/10/2020	ND	2.09	104	2.00	3.22	
Toluene*	<0.050	0.050	01/10/2020	ND	2.07	104	2.00	3.06	
Ethylbenzene*	<0.050	0.050	01/10/2020	ND	2.11	105	2.00	2.66	
Total Xylenes*	<0.150	0.150	01/10/2020	ND	6.14	102	6.00	2.42	
Total BTEX	<0.300	0.300	01/10/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	01/09/2020	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	01/10/2020	ND	196	98.2	200	0.145	
DRO >C10-C28*	<10.0	10.0	01/10/2020	ND	217	108	200	0.728	
EXT DRO >C28-C36	<10.0	10.0	01/10/2020	ND					

Surrogate: 1-Chlorooctane 79.5 % 41-142

Surrogate: 1-Chlorooctadecane 87.8 % 37.6-147

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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:	01/08/2020	Sampling Date:	01/03/2020
Reported:	01/13/2020	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: F 2 (H000065-14)

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	01/10/2020	ND	2.09	104	2.00	3.22	
Toluene*	<0.050	0.050	01/10/2020	ND	2.07	104	2.00	3.06	
Ethylbenzene*	<0.050	0.050	01/10/2020	ND	2.11	105	2.00	2.66	
Total Xylenes*	<0.150	0.150	01/10/2020	ND	6.14	102	6.00	2.42	
Total BTEX	<0.300	0.300	01/10/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	01/09/2020	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	01/10/2020	ND	196	98.2	200	0.145	
DRO >C10-C28*	<10.0	10.0	01/10/2020	ND	217	108	200	0.728	
EXT DRO >C28-C36	<10.0	10.0	01/10/2020	ND					

Surrogate: 1-Chlorooctane 81.8 % 41-142

Surrogate: 1-Chlorooctadecane 90.5 % 37.6-147

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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:	01/08/2020	Sampling Date:	01/07/2020
Reported:	01/13/2020	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: F 4 (H000065-15)

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	01/10/2020	ND	2.09	104	2.00	3.22	
Toluene*	<0.050	0.050	01/10/2020	ND	2.07	104	2.00	3.06	
Ethylbenzene*	<0.050	0.050	01/10/2020	ND	2.11	105	2.00	2.66	
Total Xylenes*	<0.150	0.150	01/10/2020	ND	6.14	102	6.00	2.42	
Total BTEX	<0.300	0.300	01/10/2020	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	01/09/2020	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	01/10/2020	ND	196	98.2	200	0.145	
DRO >C10-C28*	22.9	10.0	01/10/2020	ND	217	108	200	0.728	
EXT DRO >C28-C36	<10.0	10.0	01/10/2020	ND					

Surrogate: 1-Chlorooctane 86.1 % 41-142

Surrogate: 1-Chlorooctadecane 94.7 % 37.6-147

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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:	01/08/2020	Sampling Date:	01/07/2020
Reported:	01/13/2020	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: G 1 (H000065-16)

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	01/10/2020	ND	2.09	104	2.00	3.22	
Toluene*	<0.050	0.050	01/10/2020	ND	2.07	104	2.00	3.06	
Ethylbenzene*	<0.050	0.050	01/10/2020	ND	2.11	105	2.00	2.66	
Total Xylenes*	<0.150	0.150	01/10/2020	ND	6.14	102	6.00	2.42	
Total BTEX	<0.300	0.300	01/10/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	01/09/2020	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	01/10/2020	ND	196	98.2	200	0.145	
DRO >C10-C28*	<10.0	10.0	01/10/2020	ND	217	108	200	0.728	
EXT DRO >C28-C36	<10.0	10.0	01/10/2020	ND					

Surrogate: 1-Chlorooctane 78.1 % 41-142

Surrogate: 1-Chlorooctadecane 85.0 % 37.6-147

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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:	01/08/2020	Sampling Date:	01/03/2020
Reported:	01/13/2020	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: G 2 (H000065-17)

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	01/10/2020	ND	2.09	104	2.00	3.22	
Toluene*	<0.050	0.050	01/10/2020	ND	2.07	104	2.00	3.06	
Ethylbenzene*	<0.050	0.050	01/10/2020	ND	2.11	105	2.00	2.66	
Total Xylenes*	<0.150	0.150	01/10/2020	ND	6.14	102	6.00	2.42	
Total BTEX	<0.300	0.300	01/10/2020	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	01/09/2020	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	01/10/2020	ND	196	98.2	200	0.145	
DRO >C10-C28*	<10.0	10.0	01/10/2020	ND	217	108	200	0.728	
EXT DRO >C28-C36	<10.0	10.0	01/10/2020	ND					

Surrogate: 1-Chlorooctane 78.5 % 41-142

Surrogate: 1-Chlorooctadecane 85.9 % 37.6-147

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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:	01/08/2020	Sampling Date:	01/07/2020
Reported:	01/13/2020	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: G 3 (H000065-18)

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	01/10/2020	ND	2.09	104	2.00	3.22	
Toluene*	<0.050	0.050	01/10/2020	ND	2.07	104	2.00	3.06	
Ethylbenzene*	<0.050	0.050	01/10/2020	ND	2.11	105	2.00	2.66	
Total Xylenes*	<0.150	0.150	01/10/2020	ND	6.14	102	6.00	2.42	
Total BTEX	<0.300	0.300	01/10/2020	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	01/09/2020	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	01/10/2020	ND	196	98.2	200	0.145	
DRO >C10-C28*	<10.0	10.0	01/10/2020	ND	217	108	200	0.728	
EXT DRO >C28-C36	<10.0	10.0	01/10/2020	ND					

Surrogate: 1-Chlorooctane 77.8 % 41-142

Surrogate: 1-Chlorooctadecane 84.8 % 37.6-147

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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:	01/08/2020	Sampling Date:	01/07/2020
Reported:	01/13/2020	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: H 2 (H000065-19)

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	01/10/2020	ND	1.98	99.0	2.00	4.70	
Toluene*	<0.050	0.050	01/10/2020	ND	1.96	98.2	2.00	4.86	
Ethylbenzene*	<0.050	0.050	01/10/2020	ND	2.00	99.8	2.00	4.76	
Total Xylenes*	<0.150	0.150	01/10/2020	ND	5.81	96.8	6.00	4.68	
Total BTEX	<0.300	0.300	01/10/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	01/09/2020	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	01/10/2020	ND	196	98.2	200	0.145	
DRO >C10-C28*	11.7	10.0	01/10/2020	ND	217	108	200	0.728	
EXT DRO >C28-C36	<10.0	10.0	01/10/2020	ND					

Surrogate: 1-Chlorooctane 81.9 % 41-142

Surrogate: 1-Chlorooctadecane 89.7 % 37.6-147

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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:	01/08/2020	Sampling Date:	01/07/2020
Reported:	01/13/2020	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: H 4 (H000065-20)

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	01/10/2020	ND	1.98	99.0	2.00	4.70		
Toluene*	<0.050	0.050	01/10/2020	ND	1.96	98.2	2.00	4.86		
Ethylbenzene*	<0.050	0.050	01/10/2020	ND	2.00	99.8	2.00	4.76		
Total Xylenes*	<0.150	0.150	01/10/2020	ND	5.81	96.8	6.00	4.68		
Total BTEX	<0.300	0.300	01/10/2020	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	01/09/2020	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	01/10/2020	ND	196	98.2	200	0.145		
DRO >C10-C28*	<10.0	10.0	01/10/2020	ND	217	108	200	0.728		
EXT DRO >C28-C36	<10.0	10.0	01/10/2020	ND						

Surrogate: 1-Chlorooctane 78.9 % 41-142

Surrogate: 1-Chlorooctadecane 86.0 % 37.6-147

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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:	01/08/2020	Sampling Date:	01/07/2020
Reported:	01/13/2020	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: I 1 (H00065-21)

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	01/10/2020	ND	1.98	99.0	2.00	4.70	
Toluene*	<0.050	0.050	01/10/2020	ND	1.96	98.2	2.00	4.86	
Ethylbenzene*	<0.050	0.050	01/10/2020	ND	2.00	99.8	2.00	4.76	
Total Xylenes*	<0.150	0.150	01/10/2020	ND	5.81	96.8	6.00	4.68	
Total BTEX	<0.300	0.300	01/10/2020	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	01/09/2020	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	01/10/2020	ND	196	98.2	200	0.145	
DRO >C10-C28*	12.0	10.0	01/10/2020	ND	217	108	200	0.728	
EXT DRO >C28-C36	<10.0	10.0	01/10/2020	ND					

Surrogate: 1-Chlorooctane 80.9 % 41-142

Surrogate: 1-Chlorooctadecane 87.4 % 37.6-147

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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: 01/08/2020
 Reported: 01/13/2020
 Project Name: PEDEVCO HALEY 30
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 01/03/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: I 3 (H00065-22)

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	01/10/2020	ND	1.98	99.0	2.00	4.70	
Toluene*	<0.050	0.050	01/10/2020	ND	1.96	98.2	2.00	4.86	
Ethylbenzene*	<0.050	0.050	01/10/2020	ND	2.00	99.8	2.00	4.76	
Total Xylenes*	<0.150	0.150	01/10/2020	ND	5.81	96.8	6.00	4.68	
Total BTEX	<0.300	0.300	01/10/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/09/2020	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	01/10/2020	ND	196	98.2	200	0.145	
DRO >C10-C28*	27.3	10.0	01/10/2020	ND	217	108	200	0.728	
EXT DRO >C28-C36	10.6	10.0	01/10/2020	ND					

Surrogate: 1-Chlorooctane 80.7 % 41-142

Surrogate: 1-Chlorooctadecane 89.1 % 37.6-147

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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:	01/08/2020	Sampling Date:	01/03/2020
Reported:	01/13/2020	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: I 5 (H00065-23)

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	01/10/2020	ND	1.98	99.0	2.00	4.70	
Toluene*	<0.050	0.050	01/10/2020	ND	1.96	98.2	2.00	4.86	
Ethylbenzene*	<0.050	0.050	01/10/2020	ND	2.00	99.8	2.00	4.76	
Total Xylenes*	<0.150	0.150	01/10/2020	ND	5.81	96.8	6.00	4.68	
Total BTEX	<0.300	0.300	01/10/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	01/09/2020	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	01/10/2020	ND	196	98.2	200	0.145	
DRO >C10-C28*	<10.0	10.0	01/10/2020	ND	217	108	200	0.728	
EXT DRO >C28-C36	<10.0	10.0	01/10/2020	ND					

Surrogate: 1-Chlorooctane 77.0 % 41-142

Surrogate: 1-Chlorooctadecane 85.7 % 37.6-147

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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:	01/08/2020	Sampling Date:	01/07/2020
Reported:	01/13/2020	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: J 1 (H000065-24)

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	01/10/2020	ND	1.98	99.0	2.00	4.70	
Toluene*	<0.050	0.050	01/10/2020	ND	1.96	98.2	2.00	4.86	
Ethylbenzene*	<0.050	0.050	01/10/2020	ND	2.00	99.8	2.00	4.76	
Total Xylenes*	<0.150	0.150	01/10/2020	ND	5.81	96.8	6.00	4.68	
Total BTEX	<0.300	0.300	01/10/2020	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	01/09/2020	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	01/10/2020	ND	196	98.2	200	0.145	
DRO >C10-C28*	10.6	10.0	01/10/2020	ND	217	108	200	0.728	
EXT DRO >C28-C36	<10.0	10.0	01/10/2020	ND					

Surrogate: 1-Chlorooctane 75.2 % 41-142

Surrogate: 1-Chlorooctadecane 82.5 % 37.6-147

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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:	01/08/2020	Sampling Date:	01/07/2020
Reported:	01/13/2020	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: J 5 (H00065-25)

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	01/10/2020	ND	1.98	99.0	2.00	4.70	
Toluene*	<0.050	0.050	01/10/2020	ND	1.96	98.2	2.00	4.86	
Ethylbenzene*	<0.050	0.050	01/10/2020	ND	2.00	99.8	2.00	4.76	
Total Xylenes*	<0.150	0.150	01/10/2020	ND	5.81	96.8	6.00	4.68	
Total BTEX	<0.300	0.300	01/10/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	01/09/2020	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	01/10/2020	ND	196	98.2	200	0.145	
DRO >C10-C28*	<10.0	10.0	01/10/2020	ND	217	108	200	0.728	
EXT DRO >C28-C36	<10.0	10.0	01/10/2020	ND					

Surrogate: 1-Chlorooctane 81.5 % 41-142

Surrogate: 1-Chlorooctadecane 88.9 % 37.6-147

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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: 01/08/2020
 Reported: 01/13/2020
 Project Name: PEDEVCO HALEY 30
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 01/03/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: K 1 (H000065-26)

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	01/10/2020	ND	1.98	99.0	2.00	4.70	
Toluene*	<0.050	0.050	01/10/2020	ND	1.96	98.2	2.00	4.86	
Ethylbenzene*	<0.050	0.050	01/10/2020	ND	2.00	99.8	2.00	4.76	
Total Xylenes*	<0.150	0.150	01/10/2020	ND	5.81	96.8	6.00	4.68	
Total BTEX	<0.300	0.300	01/10/2020	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	01/09/2020	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	01/10/2020	ND	196	98.2	200	0.145	
DRO >C10-C28*	<10.0	10.0	01/10/2020	ND	217	108	200	0.728	
EXT DRO >C28-C36	<10.0	10.0	01/10/2020	ND					

Surrogate: 1-Chlorooctane 84.3 % 41-142

Surrogate: 1-Chlorooctadecane 90.8 % 37.6-147

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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:	01/08/2020	Sampling Date:	01/03/2020
Reported:	01/13/2020	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: K 3 (H000065-27)

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	01/10/2020	ND	1.98	99.0	2.00	4.70	
Toluene*	<0.050	0.050	01/10/2020	ND	1.96	98.2	2.00	4.86	
Ethylbenzene*	<0.050	0.050	01/10/2020	ND	2.00	99.8	2.00	4.76	
Total Xylenes*	<0.150	0.150	01/10/2020	ND	5.81	96.8	6.00	4.68	
Total BTEX	<0.300	0.300	01/10/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	01/09/2020	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	01/10/2020	ND	165	82.5	200	18.4	
DRO >C10-C28*	<10.0	10.0	01/10/2020	ND	159	79.4	200	19.4	
EXT DRO >C28-C36	<10.0	10.0	01/10/2020	ND					

Surrogate: 1-Chlorooctane 104 % 41-142

Surrogate: 1-Chlorooctadecane 109 % 37.6-147

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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:	01/08/2020	Sampling Date:	01/03/2020
Reported:	01/13/2020	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: K 5 (H000065-28)

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	01/10/2020	ND	1.98	99.0	2.00	4.70	
Toluene*	<0.050	0.050	01/10/2020	ND	1.96	98.2	2.00	4.86	
Ethylbenzene*	<0.050	0.050	01/10/2020	ND	2.00	99.8	2.00	4.76	
Total Xylenes*	<0.150	0.150	01/10/2020	ND	5.81	96.8	6.00	4.68	
Total BTEX	<0.300	0.300	01/10/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	01/09/2020	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	01/10/2020	ND	165	82.5	200	18.4	
DRO >C10-C28*	<10.0	10.0	01/10/2020	ND	159	79.4	200	19.4	
EXT DRO >C28-C36	<10.0	10.0	01/10/2020	ND					

Surrogate: 1-Chlorooctane 104 % 41-142

Surrogate: 1-Chlorooctadecane 111 % 37.6-147

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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:	01/08/2020	Sampling Date:	01/03/2020
Reported:	01/13/2020	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: L 2 (H000065-29)

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	01/10/2020	ND	1.98	99.0	2.00	4.70		
Toluene*	<0.050	0.050	01/10/2020	ND	1.96	98.2	2.00	4.86		
Ethylbenzene*	<0.050	0.050	01/10/2020	ND	2.00	99.8	2.00	4.76		
Total Xylenes*	<0.150	0.150	01/10/2020	ND	5.81	96.8	6.00	4.68		
Total BTEX	<0.300	0.300	01/10/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	01/09/2020	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	01/10/2020	ND	165	82.5	200	18.4		
DRO >C10-C28*	<10.0	10.0	01/10/2020	ND	159	79.4	200	19.4		
EXT DRO >C28-C36	<10.0	10.0	01/10/2020	ND						

Surrogate: 1-Chlorooctane 105 % 41-142

Surrogate: 1-Chlorooctadecane 111 % 37.6-147

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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:	01/08/2020	Sampling Date:	01/03/2020
Reported:	01/13/2020	Sampling Type:	Soil
Project Name:	PEDEVCO HALEY 30	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: L 4 (H000065-30)

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	01/10/2020	ND	1.98	99.0	2.00	4.70	
Toluene*	<0.050	0.050	01/10/2020	ND	1.96	98.2	2.00	4.86	
Ethylbenzene*	<0.050	0.050	01/10/2020	ND	2.00	99.8	2.00	4.76	
Total Xylenes*	<0.150	0.150	01/10/2020	ND	5.81	96.8	6.00	4.68	
Total BTEX	<0.300	0.300	01/10/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/09/2020	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	01/10/2020	ND	230	115	200	14.1	
DRO >C10-C28*	<10.0	10.0	01/10/2020	ND	266	133	200	15.6	
EXT DRO >C28-C36	<10.0	10.0	01/10/2020	ND					

Surrogate: 1-Chlorooctane 89.0 % 41-142

Surrogate: 1-Chlorooctadecane 96.9 % 37.6-147

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Notes and Definitions

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

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 RXSOIL		BILL TO		ANALYSIS REQUEST															
Project Manage MATTHEW LONGCRIER		P.O. #:																	
Address:		Company:																	
City:		Attn:																	
Phone #:		Address:																	
Project #:		City:																	
Project Name: PEDEVCO HALEY 30		State:																	
Project Location:		Zip:																	
Sampler Name: MATTHEW LONGCRIER		Phone #:																	
FOR LAB USE ONLY		Fax #:																	
Lab I.D. Sample I.D. <i>H000045</i>		(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :		MATRIX PRESERV. SAMPLING		DATE TIME		TPH BTEX CHLORIDES											
										11 E1		X		JAN 7		12 PM		X	
										12 E3		X		JAN 3		12 PM		X	
										13 E5		X		JAN 7		12 PM		X	
										14 F2		X		JAN 3		12 PM		X	
										15 F4		X		JAN 7		12 PM		X	
										14 G1		X		JAN 7		10 AM		X	
										17 G2		X		JAN 3		12 AM		X	
										18 G3		X		JAN 7		12 PM		X	
										19 H2		X		JAN 7		10 PM		X	
										20 H4		X		JAN 7		12 AM		X	

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Relinquished By:	Date: 1-8-20	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: 13:20	<i>Matthew Longcrier</i>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	
	Date:		REMARKS:	
	Time:			

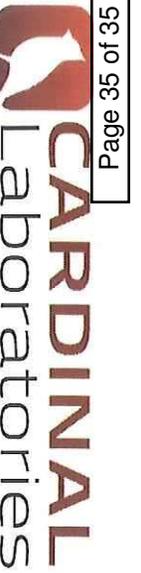
Delivered By: (Circle One) UPS Bus Other: **#113** *ASB*

Sample Condition: Cool Intact Eyes Yes No No No No

CHECKED BY: *TS*

REMARKS: *2 days Rush !!*

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: MATTHEW LONGCRIER		BILL TO		ANALYSIS REQUEST	
Project Name: PEDEVCO HALEY 30		P.O. #:			
Project Location:		Company:			
Sampler Name: MATTHEW LONGCRIER		Attn:			
FOR LAB USE ONLY		Address:			
Lab I.D. Sample I.D.		City:			
State:		Zip:			
Phone #:		Address:			
Project #:		City:			
Project Name: PEDEVCO HALEY 30		State:			
Project Location:		Zip:			
Phone #:		Phone #:			
Fax #:		Fax #:			
Project Owner:		PRESERV:			
City:		SAMPLING			
State:		DATE			
Zip:		TIME			
Matrix:		TPH			
GROUNDWATER		BTEX			
WASTEWATER		CHLORIDES			
SOIL					
OIL					
SLUDGE					
OTHER:					
ACID/BASE:					
ICE / COOL					
OTHER:					
(G)RAB OR (C)OMP.					
# CONTAINERS					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

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Relinquished By: _____ Date: **1-8-20** Received By: *Matthew Longcrier*

Relinquished By: _____ Date: **1-3-20** Received By: *Matthew Longcrier*

Delivered By: (Circle One) **UPS** **2.88** Sample Condition: Cool Intact YES NO

FORM-008 R.2.0

Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

Stacy Rust!!

END OF REPORT