

Incident ID	nRM2006451315
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

State of New Mexico
Oil Conservation Division

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I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Halie Butler Title: Sr. Corporate Compliance and Environmental ManagerSignature:  Date: 6/1/2020email: HButler@selectenergyservices.com Telephone: 281-467-3153**OCD Only**

Received by: _____ Date: _____

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Remediation Plan

Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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Printed Name: Halie Butler Title: Sr. Corporate Compliance and Environmental Manager
Signature: _____ Date: 6/1/2020
email: HButler@selectenergyservices.com Telephone: 281-467-3153

OCD Only

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

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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: Halie Butler Title: Sr. Corporate Compliance and Environmental Manager

Signature: _____ Date: 6/1/2020

email: HButler@selectservices.com Telephone: 281-467-3153

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: _____

**nRM2006451315
CLOSURE REPORT
Cowtown North
Produced Water Spill
Otero County, New Mexico**

Latitude: 32.727944° North
Longitude: -104.131103° West

LAI Project No. 19-0179-02

June 1, 2020

Prepared for:
Select Energy Services, LLC
5721 NW 132nd Street
Oklahoma City, OK 73142

Prepared by:
Larson & Associates, Inc.
507 North Marienfeld Street, Suite 202
Midland, Texas 79701



Mark J. Larson, P.G.
Certified Professional Geologist #10490



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nRM2006451315
Closure Report
Cowtown North Produced Water Release
June 1, 2020

1.0 INTRODUCTION

Larson & Associates Inc. (LAI) has prepared this closure report on behalf of Select Energy Services (Select) for submittal to the New Mexico Oil Conservation Division (OCD) District 1 for a produced water release at Cowtown North (Site) located in Unit N (SE /4, SW /4), Section 24, Township 18 South, Range 28 East in Otero County, New Mexico. The geodetic position is 32.727944° North and -104.131103° West. Figure 1 presents a topographic map. Figure 2 presents an aerial map.

1.1 Background

The release occurred on October 10, 2019, due to a leak in the water transfer line allowing for approximately 20 barrels (bbls) of produced water to be released onto the lease road. The spill area measured approximately 4,721 square feet. The initial C-141 was submitted to OCD District II in Artesia, New Mexico on March 4, 2020.

1.2 Physical Setting

The physical setting is as follows:

- The surface elevation is approximately 3,478 feet above mean sea level (msl);
- The topography slopes gently to the southwest;
- There are no surface water features within 1,000 feet of the Site;
- The soils are designated as Cacique loamy sand, 0 to 3 percent slopes, eroded, consisting of 0 to 5 inches of loamy sand underlain by 5 to 24 inches of sandy clay loam and 24 to 60 inches of indurated;
- The surface geology is the Eolian and piedmont deposits (Holocene to middle Pleistocene);
- Groundwater is reported in the Ogallala formation at approximately 180 feet below ground surface (bgs)(2016);
- According to the United States Geologic Survey (USGS) the nearest water well is located in Unit A (SE/4, NE/4), Section 29, Township 18 South, Range 29 East, approximately 2.36 miles or 12,506 feet southeast of the Site.

1.3 Remediation Action Levels

The following remediation standards are based on closure criteria for soils impacted by a release as presented in Table 1 of 19.15.29 NMAC:

- Benzene 10 mg/Kg
- BTEX 50 mg/Kg
- TPH 2,500 mg/Kg
- Chloride 20,000 mg/Kg

Further, 19.15.29.13 NMAC (Restoration, Reclamation and Re-Vegetation) requires the operator to restore the impacted surface area that existed prior to the release or their final land use.

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Closure Report
Cowtown North Produced Water Release
June 1, 2020

2.0 DELINEATION

On October 11, 2019, LAI personnel collected soil samples from seven (7) locations within the spill area (HA-1 through HA-7) and four (4) locations in each cardinal direction (north, east, south, west) outside of the spill area (HA-8 through HA-11) using a stainless steel hand auger. The samples were collected at a depth of approximately 0.5 and 1 foot bgs. The soil samples were delivered under preservation and chain of custody to Permian Basin Environmental Laboratory (PBEL) in Midland, Texas. The upper sample from each location was analyzed for benzene, toluene, ethylbenzene and xylenes (BTEX) and total petroleum hydrocarbons (TPH), including gasoline range organics (GRO), diesel range organics (DRO) and oil range organics (ORO) by EPA SW-846 Methods 8021B and 8015M, respectively. All samples were analyzed for chloride by EPA Method 300. Benzene, BTEX, and TPH were reported below the analytical method reporting limits and OCD delineation limits of 10 mg/Kg, 50 mg/Kg, and 100 mg/Kg respectively. Chloride was reported above the delineation limit of 600 mg/Kg in the following samples:

HA-2, 0.5 feet bgs (4,900 mg/Kg)	HA-5, 1 foot bgs (721 mg/Kg)
HA-2, 1 foot bgs (5,880 mg/Kg)	HA-6, 0.5 feet bgs (7,670 mg/Kg)
HA-3, 0.5 feet bgs (5,710 mg/Kg)	HA-6, 1 foot bgs (2,510 mg/Kg)
HA-3, 1 foot bgs (958 mg/Kg)	

On November 15, 2019, LAI personnel utilized a direct push Geoprobe® 7822 DT to collect soil samples at six (6) location (HA-2 through HA-7 and HA-11). The samples were collected every 5 feet to about 10 feet bgs, depending on subsurface conditions. The samples were analyzed for chloride by EPA Method 300. Laboratory analysis reported chloride concentrations under 600 mg/Kg for all samples. Table 1 presents the delineation soil sample analytical data summary. Figure 2 presents an aerial map with soil sample locations. Appendix B presents laboratory reports.

3.0 REMEDIATION

During December 2019 and January 2020, BDS Enterprises (BDS) used a backhoe to excavate soil from an area measuring about 7,441 square feet encompassing delineation samples HA-2 through HA-7 and HA-7, to a depth of approximately 4.1 feet bgs.

On January 23, 2020, LAI personnel collected fifty-three (53) five-point composite confirmation soil samples approximately every 200 square feet from the sidewalls (north, east, south, and west) and bottom of the excavation. The samples were delivered under preservation and chain of custody to PBEL and were analyzed for BTEX, TPH and chloride by EPA SW-846 Methods 8021B, 8015M and Method 300, respectively. All confirmation soil samples reported benzene, BTEX, TPH, and chloride below the OCD remediation levels, except C-6 (Sidewall East) where the chloride concentration was 1,080 mg/Kg.

In February 2020, BDS excavated an additional four (4) feet of soil from C-6 (Sidewall East) measuring approximately 378 square feet. On March 24, 2020, LAI personnel collected a confirmation soil sample from C-6 and laboratory analysis reported chloride below the OCD remediation levels. Approximately 13,930 cubic yards of soil were disposed at Lea Land Landfill, Inc., located at mile marker 64 south of US Highway 62/180 east of Carlsbad, New Mexico. Appendix A presents the waste manifests.

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Closure Report
Cowtown North Produced Water Release
June 1, 2020

Six (6) composite samples each of clean sand and caliche were collected from a nearby pit. The laboratory reported BTEX and TPH were below the analytical method reporting limits and chloride was less 600 mg/Kg. Table 2 presents the confirmation soil analytical data summary. Figure 3 presents the excavations and confirmation sample locations. Appendix B presents laboratory reports. Appendix C presents photographs.

The excavations were backfilled up to 2 feet bgs with clean caliche and to surface with clean sand. On February 7, 2020, LAI personnel seeded the backfilled areas with BLM Mix No 3.

4.0 CLOSURE REQUEST

Select Energy requests no further action for nRM2006451315.

Tables

Table 1
Delineation Soil Sample Analytical Data Summary
Select Energy Services, Cowtown North
Otero County, New Mexico
N32° 43' 40.60" W104° 07' 51.97"

Sample ID	Depth (feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
RAL:										600
Hand Auger Soil Samples										
HA-1	0.5	10/11/2019	In-Situ	<0.00106	<0.00637	<26.6	<26.6	<26.6	<26.6	67.3
	1	10/11/2019	In-Situ	--	--	--	--	--	--	18.7
HA-2	0.5	10/11/2019	In-Situ	<0.00108	<0.00647	<26.9	<26.9	<26.9	<26.9	4,900
	1	10/11/2019	In-Situ	--	--	--	--	--	--	5,880
	5	11/14/2019	In-Situ	--	--	--	--	--	--	33.5
	10	11/14/2019	In-Situ	--	--	--	--	--	--	19.1
HA-3	0.5	10/11/2019	In-Situ	<0.00104	<0.00624	<26.0	<26.0	<26.0	<26.0	5,710
	1	10/11/2019	In-Situ	--	--	--	--	--	--	958
	5	11/14/2019	In-Situ	--	--	--	--	--	--	3.79
	10	11/14/2019	In-Situ	--	--	--	--	--	--	87.8
HA-4	0.5	10/11/2019	In-Situ	<0.00108	<0.00647	<26.9	<26.9	<26.9	<26.9	28.8
	1	10/11/2019	In-Situ	--	--	--	--	--	--	59.1
HA-5	0.5	10/11/2019	In-Situ	<0.00111	<0.00666	<27.8	<27.8	<27.8	<27.8	516
	1	10/11/2019	In-Situ	--	--	--	--	--	--	721
	5	11/15/2019	In-Situ	--	--	--	--	--	--	7.54
HA-6	0.5	10/11/2019	In-Situ	<0.00110	<0.00660	<27.5	<27.5	<27.5	<27.5	7,670
	1	10/11/2019	In-Situ	--	--	--	--	--	--	2,510
	5	11/15/2019	In-Situ	--	--	--	--	--	--	4.54

Table 1
Delineation Soil Sample Analytical Data Summary
Select Energy Services, Cowtown North
Otero County, New Mexico
N32° 43' 40.60" W104° 07' 51.97"

	9	11/15/2019	In-Situ	--	--	--	--	--	--	28.30
HA-7	0.5	10/11/2019	In-Situ	<0.00103	<0.00618	<25.8	<25.8	<25.6	<25.8	5,150
	1	10/11/2019	In-Situ	--	--	--	--	--	--	3,920
	5	11/15/2019	In-Situ	--	--	--	--	--	--	<1.06
HA-8	0.5	10/11/2019	In-Situ	<0.00111	<0.00666	<27.8	<27.8	<27.8	<27.8	30.6
	1	10/11/2019	In-Situ	--	--	--	--	--	--	36.9
HA-9	0.5	10/11/2019	In-Situ	<0.00101	<0.00606	<25.3	<25.3	<25.3	<25.3	33.6
	1	10/11/2019	In-Situ	--	--	--	--	--	--	16.8
HA-10	0.5	10/11/2019	In-Situ	<0.00105	<0.00631	<26.3	<26.3	<26.3	<26.3	10.9
	1	10/11/2019	In-Situ	--	--	--	--	--	--	7.98
HA-11	0.5	10/11/2019	In-Situ	<0.00106	<0.00637	<26.6	<26.6	<26.6	<26.6	4,140
	1	10/11/2019	In-Situ	--	--	--	--	--	--	1,410
	5	11/15/2019	In-Situ	--	--	--	--	--	--	3.49

Notes: Laboratory analysis performed by Permian Basin Environmental Lab (PBEL), Midland, Texas by EPA Method 300 (chloride).

Depth in feet below ground surface (bgs)

mg/Kg: milligrams per kilogram equivalent to parts per million (ppm)

Bold and highlighted indicates that analyte was detected above the OCD Delineation Limit (600 mg/Kg)

Table 2

Confirmation Soil Sample Analytical Data Summary
Apache Cowtown North, Select Energy Produced Water Spill
Otero County, New Mexico
N32° 43' 40.60" W104° 07' 51.97"

Sample ID	Location	Depth (feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)	
RAL:					10	50	100/2,500					600/20,000
C-1	Sidewall North	0 - 4	1/23/2020	In-Situ	<0.00105	<0.00631	<26.3	<26.3	<26.3	<26.3	18.2	
C-2	Sidewall East	0 - 4	1/23/2020	In-Situ	<0.00103	<0.00618	<25.8	<25.8	<25.8	<25.8	86.2	
C-3	Sidewall East	0 - 4	1/23/2020	In-Situ	<0.00105	<0.00631	<26.3	<26.3	<26.3	<26.3	192.0	
C-4	Sidewall East	0 - 4	1/23/2020	In-Situ	<0.00106	<0.00637	<26.6	<26.6	<26.6	<26.6	58.9	
C-5	Sidewall East	0 - 4	1/23/2020	In-Situ	<0.00109	<0.00653	<27.2	<27.2	<27.2	<27.2	19.1	
C-6	Sidewall East	0 - 4	1/23/2020	Excavated	<0.00104	<0.00624	<26.0	<26.0	<26.0	<26.0	1,080.0	
		0 - 4	3/24/2020		In-Situ	<0.00106	<0.00637	<26.6	<26.6	<26.6	<26.6	7.85
C-7	Sidewall East	0 - 4	1/23/2020	In-Situ	<0.00103	<0.00618	<25.8	<25.8	<25.8	<25.8	77.6	
C-8	Sidewall East	0 - 4	1/23/2020	In-Situ	<0.00103	<0.00618	<25.8	<25.8	<25.8	<25.8	17.4	
C-9	Sidewall East	0 - 4	1/23/2020	In-Situ	<0.00110	<0.00660	<27.5	<27.5	<27.5	<27.5	27.3	
C-10	Sidewall East	0 - 4	1/23/2020	In-Situ	<0.00103	<0.00618	<25.8	<25.8	<25.8	<25.8	17.0	
C-11	Sidewall East	0 - 4	1/23/2020	In-Situ	<0.00103	<0.00618	<25.8	<25.8	<25.8	<25.8	22.8	
C-12	Sidewall East	0 - 4	1/23/2020	In-Situ	<0.00103	<0.00618	<25.8	<25.8	<25.8	<25.8	10.8	
C-13	Sidewall East	0 - 4	1/23/2020	In-Situ	<0.00109	<0.00653	<27.2	<27.2	<27.2	<27.2	35.4	
C-14	Sidewall East	0 - 4	1/23/2020	In-Situ	<0.00112	<0.00673	<28.1	<28.1	<28.1	<28.1	14.0	
C-15	Sidewall East	0 - 4	1/23/2020	In-Situ	<0.00102	<0.00612	<25.5	<25.5	<25.5	<25.5	16.8	
C-16	Sidewall East	0 - 4	1/23/2020	In-Situ	<0.00104	<0.00624	<26.0	<26.0	<26.0	<26.0	10.4	
C-17	Sidewall East	0 - 4	1/23/2020	In-Situ	<0.00101	<0.00606	<25.3	<25.3	<25.3	<25.3	23.0	
C-18	Sidewall South	0 - 4	1/23/2020	In-Situ	<0.00102	<0.00612	<25.5	<25.5	<25.5	<25.5	9.44	
C-19	Sidewall West	0 - 4	1/23/2020	In-Situ	<0.00102	<0.00612	<25.5	<25.5	<25.5	<25.5	13.7	
C-20	Sidewall West	0 - 4	1/23/2020	In-Situ	<0.00101	<0.00606	<25.3	<25.3	<25.3	<25.3	12.5	
C-21	Sidewall West	0 - 4	1/23/2020	In-Situ	<0.00102	<0.00612	<25.5	<25.5	<25.5	<25.5	12.3	
C-22	Sidewall West	0 - 4	1/23/2020	In-Situ	<0.00105	<0.00631	<26.3	<26.3	<26.3	<26.3	18.4	
C-23	Sidewall West	0 - 4	1/23/2020	In-Situ	<0.00101	<0.00606	<25.3	<25.3	<25.3	<25.3	52.5	
C-24	Sidewall West	0 - 4	1/23/2020	In-Situ	<0.00103	<0.00618	<25.8	<25.8	<25.8	<25.8	26.8	
C-25	Sidewall West	0 - 4	1/23/2020	In-Situ	<0.00104	<0.00624	<26.0	<26.0	<26.0	<26.0	29.5	
C-26	Sidewall West	0 - 4	1/23/2020	In-Situ	<0.00108	<0.00647	<26.9	<26.9	<26.9	<26.9	12.6	
C-27	Sidewall West	0 - 4	1/23/2020	In-Situ	<0.00101	<0.00606	<25.3	<25.3	<25.3	<25.3	25.6	
C-28	Sidewall West	0 - 4	1/23/2020	In-Situ	<0.00102	<0.00612	<25.5	<25.5	<25.5	<25.5	25.7	
C-29	Sidewall West	0 - 4	1/23/2020	In-Situ	<0.00104	<0.00624	<26.0	<26.0	28.0	28.0	23.9	

Table 2

Confirmation Soil Sample Analytical Data Summary
Apache Cowtown North, Select Energy Produced Water Spill
Otero County, New Mexico
N32° 43' 40.60" W104° 07' 51.97"

C-30	Sidewall West	0 - 4	1/23/2020	In-Situ	<0.00102	<0.00612	<25.5	<25.5	<25.5	<25.5	10.6
C-31	Sidewall West	0 - 4	1/23/2020	In-Situ	<0.00102	<0.00612	<25.5	<25.5	<25.5	<25.5	88.3
C-32	Sidewall West	0 - 4	1/23/2020	In-Situ	<0.00102	<0.00612	<25.5	<25.5	<25.5	<25.5	12.2
C-33	Bottom	4.1	1/23/2020	In-Situ	<0.00104	<0.00624	<26.0	<26.0	<26.0	<26.0	12.1
C-34	Bottom	4.1	1/23/2020	In-Situ	<0.00105	<0.00631	<26.3	<26.3	<26.3	<26.3	29.7
C-35	Bottom	4.1	1/23/2020	In-Situ	<0.00102	<0.00612	<25.5	<25.5	<25.5	<25.5	30.4
C-36	Bottom	4.1	1/23/2020	In-Situ	<0.00105	<0.00631	<26.3	<26.3	<26.3	<26.3	25.8
C-37	Bottom	4.1	1/23/2020	In-Situ	<0.00105	<0.00631	<26.3	<26.3	<26.3	<26.3	231
C-38	Bottom	4.1	1/23/2020	In-Situ	<0.00102	<0.00612	<25.5	<25.5	<25.5	<25.5	127.0
C-39	Bottom	4.1	1/23/2020	In-Situ	<0.00108	<0.00647	<26.9	<26.9	<26.9	<26.9	24.6
C-40	Bottom	4.1	1/23/2020	In-Situ	<0.00106	<0.00637	<26.6	37.4	32.4	69.8	172.0
C-41	Bottom	4.1	1/23/2020	In-Situ	<0.00105	<0.00631	<26.3	39.1	26.4	65.5	256.0
C-42	Bottom	4.1	1/23/2020	In-Situ	<0.00105	<0.00631	<26.3	<26.3	<26.3	<26.3	445.0
C-43	Bottom	4.1	1/23/2020	In-Situ	<0.00106	<0.00637	<26.6	<26.6	<26.6	<26.6	116.0
C-44	Bottom	4.1	1/23/2020	In-Situ	<0.00109	<0.00653	<27.2	<27.2	<27.2	<27.2	10.5
C-45	Bottom	4.1	1/23/2020	In-Situ	<0.00111	0.01487	<27.8	44.4	36.9	81.3	166
C-46	Bottom	4.1	1/23/2020	In-Situ	<0.00106	<0.00637	<26.6	32.2	<26.6	32.2	13.3
C-47	Bottom	4.1	1/23/2020	In-Situ	<0.00105	<0.00631	<26.3	<26.3	<26.3	<26.3	70.7
C-48	Bottom	4.1	1/23/2020	In-Situ	<0.00106	<0.00637	<26.6	27.7	26.9	54.6	45.6
C-49	Bottom	4.1	1/23/2020	In-Situ	<0.00106	<0.00637	<26.6	49.7	45.1	94.8	40.9
C-50	Bottom	4.1	1/23/2020	In-Situ	<0.00108	<0.00647	<26.9	<26.9	<26.9	<26.9	14.1
C-51	Bottom	4.1	1/23/2020	In-Situ	<0.00109	<0.00653	<27.2	31.1	28.9	60	15.9
C-52	Bottom	4.1	1/23/2020	In-Situ	<0.00116	<0.00697	<29.1	<29.1	<29.1	<29.1	13.8
C-53	Bottom	4.1	1/23/2020	In-Situ	<0.00108	<0.00647	<26.9	43.9	46.6	90.5	15.0
Backfill Sand 1	--	--	3/6/2020	In-Situ	<0.00102	<0.00612	<25.5	<25.5	<25.5	<25.5	8.62
Backfill Sand 2	--	--	3/6/2020	In-Situ	<0.00104	<0.00624	<26.0	<26.0	<26.0	<26.0	7.51
Backfill Sand 3	--	--	3/6/2020	In-Situ	<0.00104	<0.00624	<26.0	<26.0	<26.0	<26.0	8.09
Backfill Sand 4	--	--	3/6/2020	In-Situ	<0.00105	<0.00631	<26.3	<26.3	<26.3	<26.3	5.85
Backfill Sand 5	--	--	3/6/2020	In-Situ	<0.00104	<0.00624	<26.0	<26.0	<26.0	<26.0	9.59
Backfill Sand 6	--	--	3/6/2020	In-Situ	<0.00103	<0.00618	<25.8	<25.8	<25.8	<25.8	5.21

Notes: analysis performed by Permian Basin Environmental Lab (PBEL), Midland, Texas by EPA SW-846 Methods 8021B (BTEX) and 8015M (TPH), and Method 300 (chloride)

Depth in feet below ground surface (bgs)

**Confirmation Soil Sample Analytical Data Summary
Apache Cowtown North, Select Energy Produced Water Spill
Otero County, New Mexico
N32° 43' 40.60" W104° 07' 51.97"**

mg/Kg: milligrams per kilogram equivalent to parts per million (ppm)

Figures

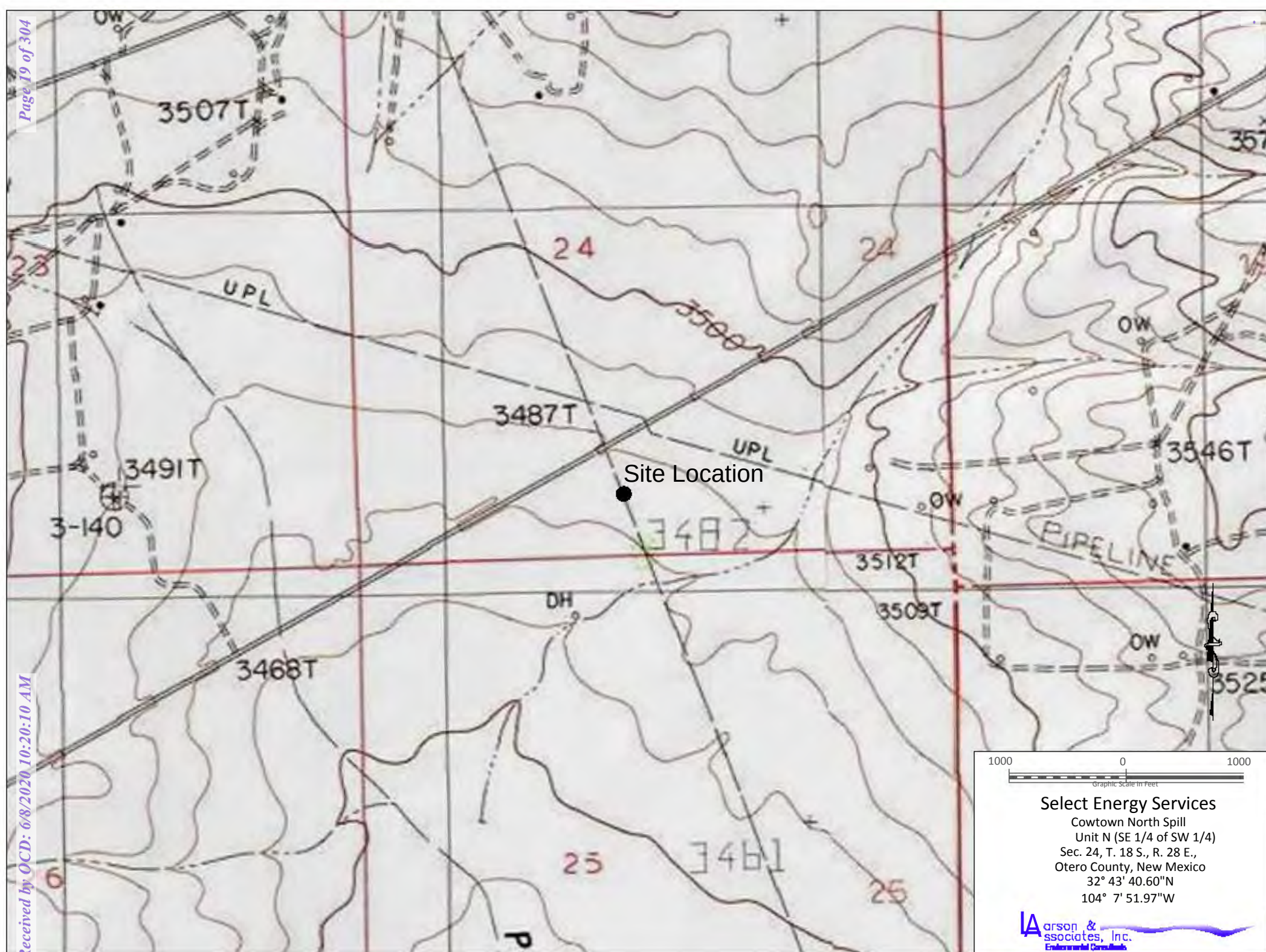
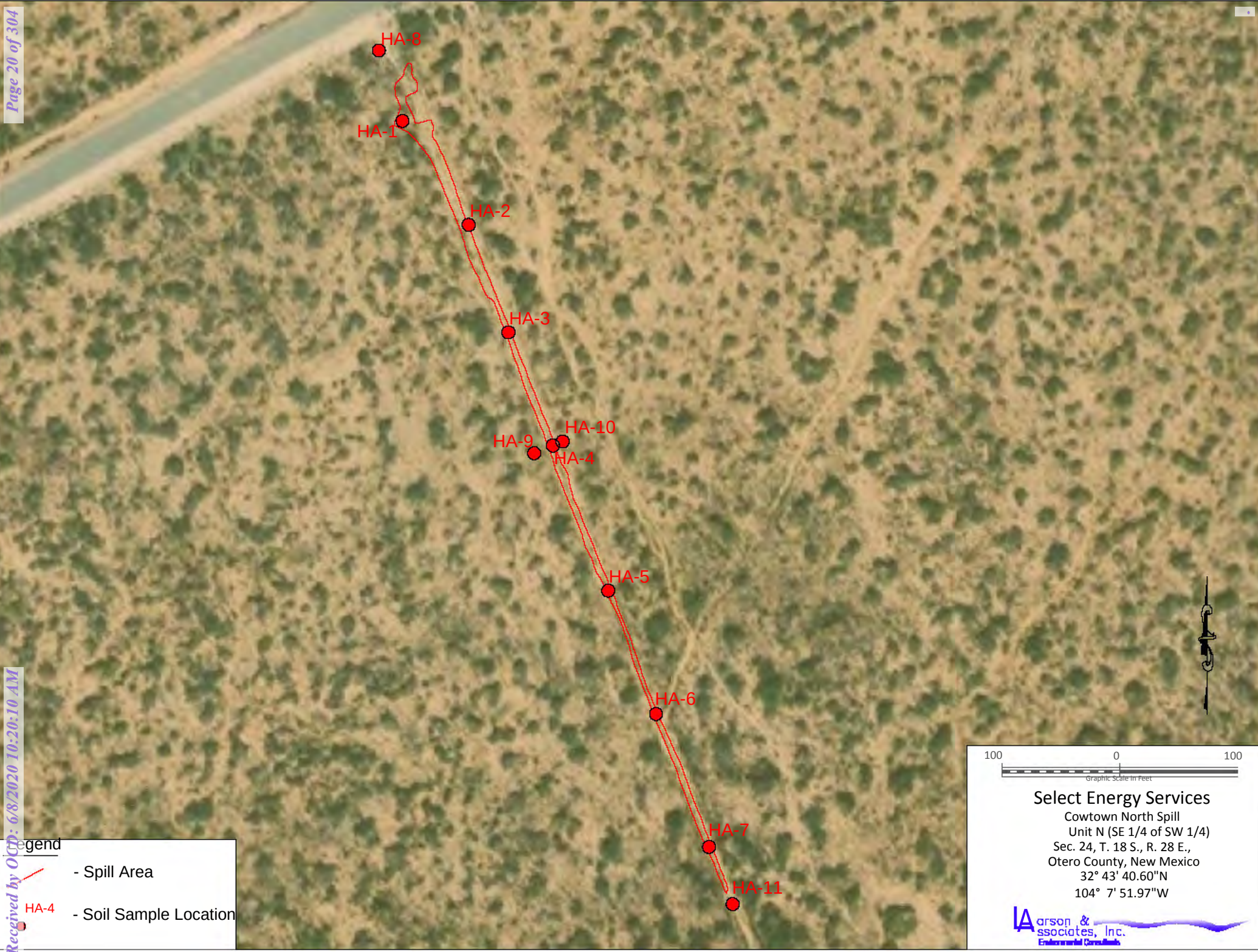


Figure 1 - Topographic Map

Select Energy Services
 Cowtown North Spill
 Unit N (SE 1/4 of SW 1/4)
 Sec. 24, T. 18 S., R. 28 E.,
 Otero County, New Mexico
 32° 43' 40.60"N
 104° 7' 51.97"W

Larson & Associates, Inc.
 Environmental Consultants



Legend

- Spill Area
- HA-4 - Soil Sample Location

100 0 100
Graphic Scale in Feet

Select Energy Services
Cowtown North Spill
Unit N (SE 1/4 of SW 1/4)
Sec. 24, T. 18 S., R. 28 E.,
Otero County, New Mexico
32° 43' 40.60"N
104° 7' 51.97"W

Larson &
ssociates, Inc.
Environmental Consultants

Figure 2 - Aerial Map Showing Soil Sample Locations

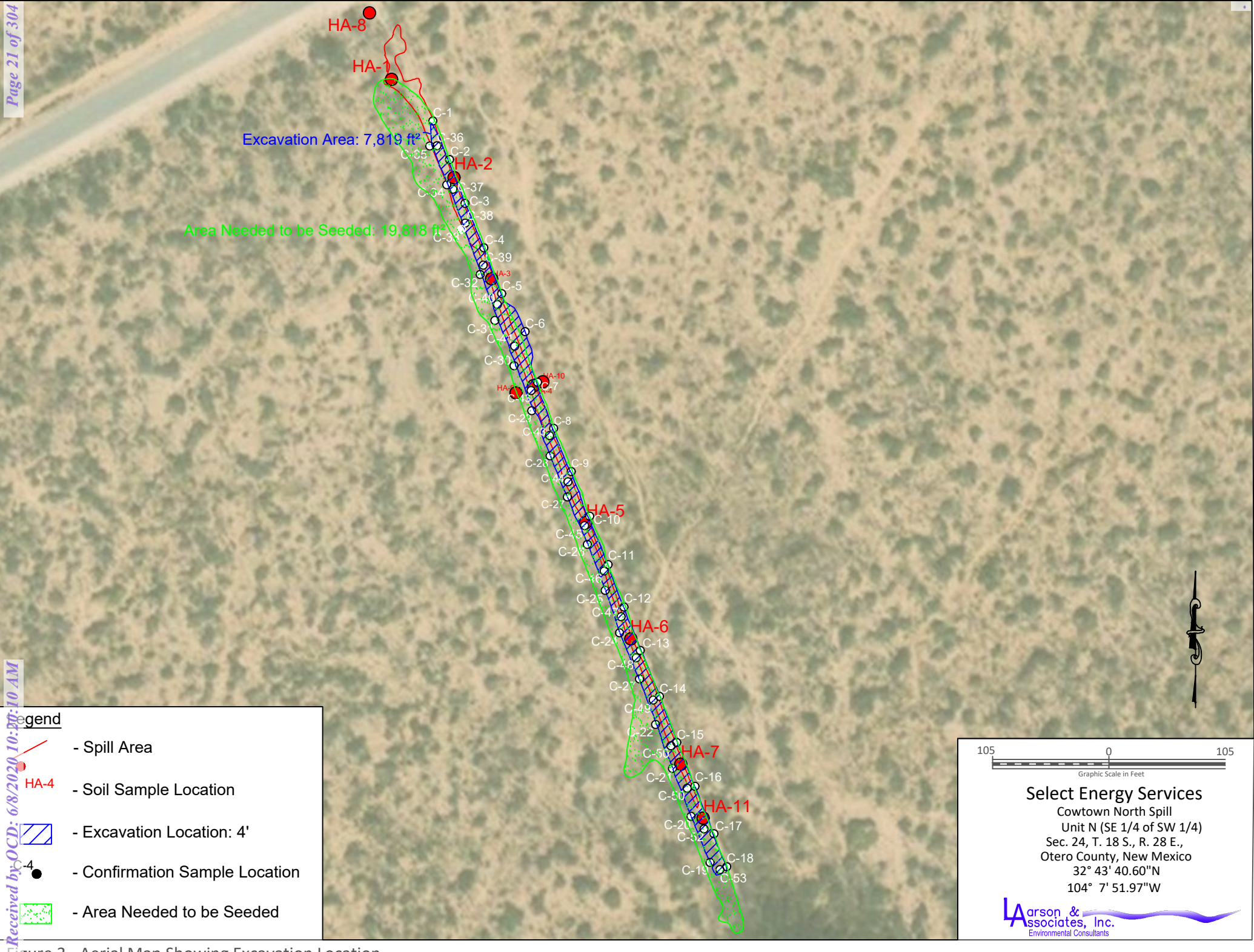


Figure 3 - Aerial Map Showing Excavation Location

Appendix A
Waste Manifests

Iron Horse Services LLC
418 W ave C
Lovington
NM 88260

RECEIVED
JAN 29 2020

313576
RECEIVED
FEB 20 2020



Bill To
BDS Enterprises LLC PO Box 2286 Lovington, NM 88220

Invoice

Date 1/23/2020 Invoice # 1279 ✓

2 pgs.

P.O. No.	Terms	Project
Louie Barnes	Net 30	Cowtown North

Description	Quantity	Rate	Project	Amount
Select Energy - Cowtown North #12 1-20-20 Truck # 8 Reyes Trucking 12yd Loads - 3 Field ticket # 587531 R360 Tickets -433747, 429477, and 429476	13	75.00	Dump Truck	975.00T
Select Energy - Cowtown North #12 1-20-20 Truck # 6 Reyes Trucking 12yd Loads - 3 Field ticket # 587530 R360 Tickets -433763, 433762, and 4337621	13	75.00	Dump Truck	975.00T
Select Energy - Cowtown North #12 1-20-20 Truck # 3 Galindos Trucking 12yd Loads - 3 Field ticket # 609560 R360 Tickets -429502, 429503, and 433780	13	75.00	Dump Truck	975.00T
Select Energy - Cowtown North #12 1-20-20 Truck # 4 Galindos Trucking 12yd Loads - 3 Field ticket # 821984 R360 Tickets -432879, 432880, and 432002	13	75.00	Dump Truck	975.00T
Select Energy - Cowtown North #12 1-20-20 Truck # 1 Montana Trucking 12yd Loads - 3 Field ticket # 336 R360 Tickets - 433708, 433709, and 432707	13	75.00	Dump Truck	975.00T
			Total	

Iron Horse Services LLC
418 W ave C
Lovington
NM 88260



Bill To
BDS Enterprises LLC
PO Box 2286

Invoice

Date Invoice #
 1/23/2020 1279

P.O. No.	Terms	Project
Louie Barnes	Net 30	Cowtown North

Description	Quantity	Rate	Project	Amount
Select Energy - Cowtown North #12 1-20-20 Truck # 2 Montana Trucking 12yd Loads - 3 Field ticket # 278 R360 Tickets - 433897, 433898, and 433707	13	75.00	Dump Truck	975.00T
Select Energy - Cowtown North #12 1-20-20 Truck # 3 Montana Trucking 12yd Loads - 3 Field ticket # 277 R360 Tickets - 433896, 433710, and 432893 tax exempt	13	75.00	Dump Truck	975.00T
		0.00%		0.00
			Total	\$6,825.00

ENTERED
 FEB 20 2020



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

Company Man Contact Information

Name Rick Fouch

Phone No.

GENERATOR

NO. 433747

Operator No.

Operators Name

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name & No.

County

API No.

Rig Name & No.

AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)		
Oil Based Muds	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Cuttings	Washout Water (Non-Injectable)	Washout Water (Injectable)
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Cuttings	Produced Water (Non-Injectable)	Produced Water (Injectable)
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Tank Bottoms	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generation process of the waste)
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount	
All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCIP), ignitability, corrosivity and reactivity.	
Non-Exempt Other	<u>12 yds</u> *please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS L - LIQUID Y - YARDS 12 E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

☐ EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's

Name

Address

Phone No.

Driver's Name

Print Name

Phone No.

Truck No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN:

OUT:

Name/No. 4115

Site Name/

Permit No.

Address

Phone No.

575-393-1079

NORM READINGS TAKEN? (Circle One)

YES

NO

IF YES, was reading > 50 micro roentgens? (circle one)

YES

NO

PASS THE PAINT FILTER TEST? (Circle One)

YES

NO

TANK BOTTOMS

1st Gauge
2nd Gauge
Received

Feet

Inches

BS&W/BBLs Received
Free Water
Total Received

BS&W (%)

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

Company Man Contact Information

Name

Phone No.

GENERATOR

NO. 429477

Operator No.

Operators Name

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name & No.

County

API No.

Rig Name & No.

AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Cuttings	Washout Water (Non-Injectable)	Washout Water (Injectable)
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Cuttings	Produced Water (Non-Injectable)	Produced Water (Injectable)
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Tank Bottoms	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generation process of the waste)
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS:

☐ DRILLING☐ COMPLETION☐ PRODUCTION☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analyzed and be below the threshold limits for toxicity (TCLP), ignitability, corrosivity and reactivity.

Non-Exempt Other

*please select from Non-Exempt Waste List on back

QUANTITY

B - BARRELS

L - LIQUID

Y - YARDS

12

E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD:

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's

Name

Address

Phone No.

Driver's Name

Print Name

Phone No.

Truck No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN:

OUT:

Name/No.

Site Name/

Permit No.

Address

Halfway Facility / NM1-006

6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

Phone No.

575-393-1079

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

PASS THE PAINT FILTER TEST? (Circle One)

YES

NO

TANK BOTTOMS

1st Gauge

2nd Gauge

Received

Feet

Inches

BS&W/BBLS Received

Free Water

Total Received

BS&W (%)

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

Company Man Contact Information

Name KICK 100

Phone No. _____

GENERATORNO. **429476**

Operator No. _____

Operator's Name Schell Energy

Address _____

City, State, Zip _____

Phone No. _____

Permit/RRC No. _____

Lease/Well _____

Name & No. North Coulton #1

County _____

API No. _____

Rig Name & No. NON

AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Muds	Washout Water (Non-Injectable)	Washout Water (Injectable)
Oil Based Cuttings	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Muds	Produced Water (Non-Injectable)	Produced Water (Injectable)
Water Based Cuttings	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Produced Formation Solids	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and quantity of waste)
Tank Bottoms	Truck Washout (exempt waste)	
E&P Contaminated Soil		
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☒ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analyzed and be below the threshold limits for toxicity (TCLP), ignitability, corrosivity and reactivity.

Non-Exempt Other _____

*Please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS L - LIQUID Y - YARDS 17 E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)
- ☐ EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

TRANSPORTERTransporter's Name REXCO TruckingAddress 326 S THORP AVEPhone No. 432 209 0208Driver's Name Martin Rodriguez

Print Name _____

Phone No. _____

Truck No. # 08

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: _____ OUT: _____

DISPOSAL FACILITY**RECEIVING AREA**

Site Name/

Permit No. Halfway Facility / NM1-006Address 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220Phone No. 575-393-1079

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

PASS THE PAINT FILTER TEST? (Circle One)

YES

NO

TANK BOTTOMS1st Gauge
2nd Gauge
Received

Feet

Inches

BS&W/BBLS Received

Free Water

Total Received

BS&W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

C-138

White - R360 ORIGINAL

Yellow - TRANSPORTER COPY

Pink - GENERATOR SITE COPY

Gold - RETURN TO GENERATOR

Version 1

507530

Invoice						
SOLD TO	SHIP TO					
ADDRESS	ADDRESS					
CITY, STATE, ZIP	CITY, STATE, ZIP	F.O.B.	TERMS	DESCRIPTION	PRICE	UNIT
						AMOUNT
Iron Horse 418 W. Ave C Longton, NM SOLD BY unit #06	REYES Trucking 326 S. Tharp Hobbs, NM 88240		CONTAINMENT			
CUSTOMER ORDER NO. (432) 2090308	DATE 1-20-20					
ORDERED	SHIPPED			Company Select		
				Lease : North Cowtown #12		
				Loads: (3)		
				LUB Median 13 hrs		



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST
(PLEASE PRINT)

Company Man Contact Information

Name Rick Fouch

Phone No. _____

GENERATORNO. 433763

Operator No. Select Energy
 Operators Name _____
 Address _____
 City, State, Zip _____
 Phone No. _____

Permit/RRC No. _____
 Lease/Well Name & No. North Cowtown #1d
 County _____
 API No. _____
 Rig Name & No. _____
 AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)		
Oil Based Muds	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Cuttings	Washout Water (Non-Injectable)	Washout Water (Injectable)
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Cuttings	Produced Water (Non-Injectable)	Produced Water (Injectable)
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Tank Bottoms	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generation process of the waste)
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount			
All non-exempt E&P waste must be analyzed and be below the threshold limits for toxicity (TCF), ignitability, corrosivity and reactivity.			
Non-Exempt Other	<u>12 yards</u>	*please select from Non-Exempt Waste List on back	
QUANTITY	B - BARRELS	L - LIQUID	E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

- ☐ EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

Transporter's Name Perez Trucking
 Address 306 S. Thorp
 Phone No. (432) 209 0208

TRANSPORTER

Driver's Name Jose A. Perez
 Print Name _____
 Phone No. _____
 Truck No. #06

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP**DISPOSAL FACILITY****RECEIVING AREA**

IN: _____ OUT: _____

Name/No. 50151

Site Name/ Permit No. Halfway Facility / NM1-006
 Address 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-393-1079

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

PASS THE PAINT FILTER TEST? (Circle One)

YES

NO

TANK BOTTOMS

1st Gauge
 2nd Gauge
 Received

Feet	Inches

BS&W/BBLs Received	BS&W (%)
Free Water	
Total Received	

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

Company Man Contact Information

Name Pete French

Phone No. _____

GENERATORNO. 433762

Operator No. Select Energy

Operators Name _____

Address _____

City, State, Zip _____

Phone No. _____

Permit/RRC No. _____

Lease/Well Name & No. North Canyon #12

County _____

API No. _____

Rig Name & No. WON Drill

AFE/PO No. _____

EXEMPT E&P Waste/Service (identification and Amount (place volume next to waste type in barrels or cubic yards))		
Oil Based Muds	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Cuttings	Washout Water (Non-Injectable)	Washout Water (Injectable)
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Cuttings	Produced Water (Non-Injectable)	Produced Water (Injectable)
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Tank Bottoms	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generate amount of the waste)
E&P Contaminated Soil	Truck Washout (exempt waste)	<u>Washout</u>
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service (identification and Amount)

All non-exempt E&P waste must be analyzed and be below the threshold limits for toxicity (TCIP), ignitability, corrosivity and reactivity.

Non-Exempt Other 12 yards *please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS L - LIQUID 12 Y-YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

☐ EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

Transporter's Name Key's Trucking

Address 326 S. Thorpe St

Phone No. (432) 209-0208

TRANSPORTER

Driver's Name Jose A. Reyes

Print Name _____

Phone No. 432 209 0208

Truck No. #06

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP**DISPOSAL FACILITY****RECEIVING AREA**

IN: _____ OUT: _____

Name/No. 201/11

Site Name/ Permit No. Halfway Facility / NM1-006

Address 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-393-1079NORM READINGS TAKEN? (Circle One) YES ☒ NO ☐If YES, was reading > 50 micro roentgens? (circle one) YES ☐ NO ☐PASS THE PAINT FILTER TEST? (Circle One) YES ☒ NO ☐NO ☐**TANK BOTTOMS**

1st Gauge _____

2nd Gauge _____

Received _____

BS&W/BBLs Received	BS&W (%)
Free Water	
Total Received	

I hereby certify that the above load material has been (circle one):

ACCEPTED ☒DENIED ☐

If denied, why? _____

NAME (PRINT)

DATE

TITLE

SIGNATURE



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

Company Man Contact Information

Name Rick Fouch

Phone No. _____

GENERATORNO. 433761Operator No. Select Fouch

Operators Name _____

Address _____

City, State, Zip _____

Phone No. _____

Permit/RRC No. _____

Lease/Well Name & No. North Canyon Field

County _____

API No. _____

Rig Name & No. _____

AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Muds	Washout Water (Non-Injectable)	Washout Water (Injectable)
Oil Based Cuttings	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Muds	Produced Water (Non-Injectable)	Produced Water (Injectable)
Water Based Cuttings	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Produced Formation Solids	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generating process of the waste)
Tank Bottoms	Truck Washout (exempt waste)	
E&P Contaminated Soil		
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES**NON-EXEMPT E&P Waste/Service Identification and Amount**

All non-exempt E&P waste must be analyzed and be below the threshold limits for toxicity (TCDF), ignitability, Corrosivity and Reactivity.

Non-Exempt Other 12411 *please select from Non-Exempt Waste List on backQUANTITY ☒ B - BARRELS ☐ L - LIQUID ☐ Y - YARDS ☐ E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- ☒ **RCRA EXEMPT:** Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ **RCRA NON-EXEMPT:** Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

- ☐ **EMERGENCY NON-OILFIELD:** Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name Fouch's Trucking

Address 326 S. Throck

Phone No. _____

Driver's Name Jose H. Reyes

Print Name _____

Phone No. 1-771-709-0208

Truck No. #06

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP**DISPOSAL FACILITY****RECEIVING AREA**

IN: _____ OUT: _____

Name/No. 415

Site Name/

Permit No.

Address

Halfway Facility / NM1-0066601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

Phone No.

575-393-1079

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

PASS THE PAINT FILTER TEST? (Circle One)

YES

NO

TANK BOTTOMS

1st Gauge

2nd Gauge

Received

Feet

Inches

BS&W/BBLs Received

Free Water

Total Received

BS&W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

609560

Invoice

SOLD TO Iron Horse Serv. LLC		SHIP TO Galindas TRK	
ADDRESS 418 West Ave C		ADDRESS HCR 4 Box 1580	
CITY, STATE, ZIP Livingston N.M.		CITY, STATE, ZIP Denver City TX 79323	
CUSTOMER ORDER NO	UNIT # 3	TERMS	DATE 1-20-20

ORDERED	SHIPPED	DESCRIPTION	PRICE	UNIT	AMOUNT
		Company - Select Energy			
		Lease - North Cantown #2			
		Hauled 3 Loads of Contaminated Soil from location to R-360			
		Luis IVedrano 13 hrs			
		Loads 3 logs			

E-10000 0000

03-15



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

Company Man Contact Information

Name John F. Smith

Phone No. _____

GENERATORNO. **429502**

Operator No. _____

Operator's Name _____

Address _____

City, State, Zip _____

Phone No. _____

Permit/RRC No. _____

Lease/Well _____

Name & No. North Towntown #2

County _____

API No. _____

Rig Name & No. _____

AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)			
Oil Based Muds	NON-INJECTABLE WATERS	INJECTABLE WATERS	
Oil Based Cuttings	Washout Water (Non-Injectable)	Washout Water (Injectable)	
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)	
Water Based Cuttings	Produced Water (Non-Injectable)	Produced Water (Injectable)	
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)	
Tank Bottoms	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generation process of the waste)	
E&P Contaminated Soil	Truck Washout (exempt waste)		
Gas Plant Waste			

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCPL), ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ "please select from Non-Exempt Waste List on back"

QUANTITY B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)
- ☐ EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) NAME OF TRANSPORTER	DATE	SIGNATURE
TRANSPORTER		
Transporter's Name <u>John F. Smith</u>	Driver's Name <u>John F. Smith</u>	
Address <u>1111 1st St</u>	Print Name	
Phone No. <u>505-251-1500</u>	Phone No.	
	Truck No. <u>31</u>	

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE	DRIVER'S SIGNATURE	DELIVERY DATE	DRIVER'S SIGNATURE

TRUCK TIME STAMP		DISPOSAL FACILITY	RECEIVING AREA
IN: _____	OUT: _____		Name/No. <u>415</u>

Site Name/Permit No. Halfway Facility / NM1-006 Phone No. 575-393-1079

Address 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

NORM READINGS TAKEN? (Circle One) YES ☐ NO ☒ If YES, was reading > 50 micro roentgens? (circle one) YES ☐ NO ☒

PASS THE PAINT FILTER TEST? (Circle One) YES ☒ NO ☐

TANK BOTTOMS			
Feet	Inches	BS&W/BBLs Received	BS&W (%)
1st Gauge		Free Water	
2nd Gauge		Total Received	
Received			

I hereby certify that the above load material has been (circle one): ACCEPTED ☒ DENIED ☐ If denied, why? _____

NAME (PRINT) John F. Smith DATE 6/8/2020 TITLE Generator SIGNATURE _____



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

Company Man Contact Information

Name Rich Fouch

Phone No. _____

GENERATORNO. **429503**

Operator No. _____
 Operators Name Delta Energy Serv.
 Address _____
 City, State, Zip _____
 Phone No. _____

Permit/RRC No. _____
 Lease/Well Name & No. North Count down #2
 County _____
 API No. _____
 Rig Name & No. _____
 AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)		
Oil Based Muds	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Cuttings	Washout Water (Non-Injectable)	Washout Water (Injectable)
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Cuttings	Produced Water (Non-Injectable)	Produced Water (Injectable)
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Tank Bottoms	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generation process of the waste)
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
 All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCPL), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS L - LIQUID 12 Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

☐ EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINTER AUTHORIZED AGENTS NAME)

DATE

SIGNATURE

TRANSPORTER

Transporter's Name Gallardo's TR
 Address Hwy 4 Box 1580
 Phone No. Denver, CO 1279323

Driver's Name Miguel Rodriguez
 Print Name _____
 Phone No. 3
 Truck No. 3

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP		DISPOSAL FACILITY	RECEIVING AREA
IN: _____	OUT: _____		Name/No. <u>415</u>

Site Name/ Permit No. Halfway Facility / NM1-006
 Address 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-393-1079

NORM READINGS TAKEN? (Circle One) YES ☐ NO ☒

If YES, was reading > 50 micro roentgens? (circle one) YES ☐ NO ☒

PASS THE PAINT FILTER TEST? (Circle One) YES ☒ NO ☐

TANK BOTTOMS

1st Gauge _____
 2nd Gauge _____
 Received _____

BS&W/BBLs Received	BS&W (%)
Free Water	
Total Received	

I hereby certify that the above load material has been (circle one) ACCEPTED ☒ DENIED ☐ If denied, why? _____

NAME (PRINT)

DATE

TITLE

SIGNATURE

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST
(PLEASE PRINT)

Company Man Contact Information

Name _____

Phone No. _____

GENERATOR

NO. 433780

Operator No. _____
 Operators Name _____
 Address _____
 City, State, Zip _____
 Phone No. _____

Permit/RRC No. _____
 Lease/Well Name & No. _____
 County _____
 API No. _____
 Rig Name & No. _____
 AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)		
Oil Based Muds	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Cuttings	Washout Water (Non-Injectable)	Washout Water (Injectable)
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Cuttings	Produced Water (Non-Injectable)	Produced Water (Injectable)
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Tank Bottoms	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generation process of the waste)
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
 All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

QUANTITY ☐ B - BARRELS ☐ L - LIQUID ☐ Y - YARDS ☐ E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

☐ EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED ASSIGNEE NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name _____
 Address _____
 Phone No. _____

Driver's Name _____
 Print Name _____
 Phone No. _____
 Truck No. _____

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____

Name/No. 4157

Site Name/ Permit No. Halfway Facility / NM1-006
 Address 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-393-1079

NORM READINGS TAKEN? (Circle One) YES NO
 PASS THE PAINT FILTER TEST? (Circle One) YES NO

If YES, was reading > 50 micro roentgens? (circle one) YES NO

TANK BOTTOMS

1st Gauge _____ Feet _____ Inches
 2nd Gauge _____
 Received _____

BS&W/BBLs Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? _____

NAME (PRINT)

DATE

TITLE

SIGNATURE

821984

Invoice

SOLD TO		Hiron Horse Services LLC		SHIP TO		Galindo Trucking	
ADDRESS		418 West Ave C		ADDRESS		HCR 4 Box 1580	
CITY, STATE, ZIP		Lawington NM 88269		CITY, STATE, ZIP		Denver City TX 79323	
CUSTOMER ORDER NO.		SOLD BY		TERMS		F.O.B.	
		Unit # 4				DATE	
						1-20-20	

ORDERED	SHIPPED	DESCRIPTION	PRICE	UNIT	AMOUNT
		Company			
		Select Energy			
		Lease			
		North Cawtown			
		Hauled 3 loads of contaminated			
		Soil From Location to R-360			
		Travels - 3			
		Horses - 13			
		W/1 Median			

5540

12-13



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

Company Man Contact Information

Name Rich Funch

Phone No. _____

GENERATORNO. **432879**

Operator No. _____

Operators Name 3rd Energy Co

Address _____

City, State, Zip _____

Phone No. _____

Permit/RRC No. _____

Lease/Well _____

Name & No. _____

County _____

API No. _____

Rig Name & No. _____

AFE/PO No. _____

North Cowntown #2

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)		
Oil Based Muds	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Cuttings	Washout Water (Non-Injectable)	Washout Water (Injectable)
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Cuttings	Produced Water (Non-Injectable)	Produced Water (Injectable)
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Tank Bottoms	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generation process of the waste)
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount			
All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLEP), Ignitability, Corrosivity and Reactivity.			
Non-Exempt Other		*please select from Non-Exempt Waste List on back	
QUANTITY	B - BARRELS	L - LIQUID	Y - YARDS
			<u>12</u>

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

☐ EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENT'S NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name Galinda's Trucking

Address HCR 4 Box 1580

Phone No. Denver City TX 79323

Driver's Name Rene Garcia

Print Name _____

Phone No. _____

Truck No. #4

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP**DISPOSAL FACILITY****RECEIVING AREA**

IN: _____ OUT: _____

Name/No. 50151

Site Name/ Permit No. Halfway Facility / NM1-006

Address 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-393-1079

NORM READINGS TAKEN? (Circle One) YES ☐ NO ☒

PASS THE PAINT FILTER TEST? (Circle One) YES ☒ NO ☐

If YES, was reading > 50 micro roentgens? (circle one) YES ☐ NO ☒

TANK BOTTOMS

1st Gauge _____ Feet _____ Inches

2nd Gauge _____

Received _____

BS&W/BBLs Received	BS&W (%)
Free Water	
Total Received	

I hereby certify that the above load material has been (circle one): ACCEPTED ☒ DENIED ☐ If denied, why? _____

NAME (PRINT)

DATE

TITLE

SIGNATURE



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST
(PLEASE PRINT)

Company Man Contact Information

Name RickPhone No. 714-211-1111

GENERATOR

NO. **432880**

Operator No. _____
 Operators Name Sublet Energy Serv
 Address _____
 City, State, Zip _____
 Phone No. _____

Permit/RRC No. _____
 Lease/Well Name & No. North Countown #2
 County _____
 API No. _____
 Rig Name & No. NEW 0.11
 AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)		
Oil Based Muds	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Cuttings	Washout Water (Non-Injectable)	Washout Water (Injectable)
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Cuttings	Produced Water (Non-Injectable)	Produced Water (Injectable)
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Tank Bottoms	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generation process of the waste)
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		<u>1 dump truck</u>

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), ignitability, corrosivity and reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

QUANTITY D - BARRELS L - LIQUID 12 Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

☐ EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENT'S NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name Seibido's Trucking
 Address HCR 4 Box 1580
 Phone No. Denver City Tx 79323

Driver's Name Rene Garcia
 Print Name _____
 Phone No. _____
 Truck No. #4

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____

Name/No. 50151

Site Name/ Permit No. Halfway Facility / NM1-005
 Address 6501 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-393-1079

NORM READINGS TAKEN? (Circle One) YES ☒ NO ☐
 PASS THE PAINT FILTER TEST? (Circle One) YES ☒ NO ☐

If YES, was reading > 50 micro roentgens? (circle one) YES ☐ NO ☐

TANK BOTTOMS

1st Gauge _____
 2nd Gauge _____
 Received _____

BS&W/BBLs Received	BS&W (%)
Free Water	
Total Received	

I hereby certify that the above load/material has been (circle one): ACCEPTED DENIED If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST
(PLEASE PRINT)

Company Man Contact Information

Name Rich Touch

Phone No. _____

GENERATORNO. **432002**

Operator No. _____
 Operators Name Select Energy Serv.
 Address _____
 City, State, Zip _____
 Phone No. _____

Permit/RRC No. _____
 Lease/Well Name & No. North Lounston #2
 County _____
 API No. _____
 Rig Name & No. 100W Dr. 11
 AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)		
Oil Based Muds	<u> </u>	NON-INJECTABLE WATERS
Oil Based Cuttings	<u> </u>	Washout Water (Non-Injectable)
Water Based Muds	<u> </u>	Completion Fluid/Flow back (Non-Injectable)
Water Based Cuttings	<u> </u>	Produced Water (Non-Injectable)
Produced Formation Solids	<u> </u>	Gathering Line Water/Waste (Non-Injectable)
Tank Bottoms	<u> </u>	INTERNAL USE ONLY
E&P Contaminated Soil	<u> </u>	Truck Washout (exempt waste)
Gas Plant Waste	<u> </u>	INJECTABLE WATERS
		Washout Water (Injectable)
		Completion Fluid/Flow back (Injectable)
		Produced Water (Injectable)
		Gathering Line Water/Waste (Injectable)
		OTHER EXEMPT WASTES (type and generation process of the waste)
		<u>Dump TKT</u>

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

QUANTITY	D - BARRELS	L - LIQUID	Y - YARDS	E - EACH
			<u>12</u>	

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- ☐ **RCRA EXEMPT:** Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ **RCRA NON-EXEMPT:** Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)
- ☐ **EMERGENCY NON-OILFIELD:** Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) TRANSPORTER'S NAME		DATE	SIGNATURE
TRANSPORTER			
Transporter's Name	<u>Gallardo, T.A.</u>	Driver's Name	<u>Rich Touch</u>
Address	<u>Hick 4 Box 1580</u>	Print Name	
Phone No.	<u>Denver City 1 x 71324</u>	Phone No.	
		Truck No.	<u>1</u>

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE	DRIVER'S SIGNATURE	DELIVERY DATE	DRIVER'S SIGNATURE
		<u>6-20-20</u>	

TRUCK TIME STAMP		DISPOSAL FACILITY	RECEIVING AREA
IN: _____	OUT: _____		Name/No. <u>7015</u>
Site Name/ Permit No.	<u>Halfway Facility / NM1-006</u>	Phone No.	<u>575-393-1079</u>
Address	<u>6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220</u>		
NORM READINGS TAKEN? (Circle One)	YES ☐ NO ☐	IF YES, was reading > 50 micro roentgens? (circle one)	YES ☐ NO ☐
PASS THE PAINT FILTER TEST? (Circle One)	YES ☐ NO ☐		

TANK BOTTOMS			
Feet	Inches	BS&W/BBLS Received	BS&W (%)
1st Gauge		Free Water	
2nd Gauge		Total Received	
Received			

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? _____

NAME (PRINT) Rich Touch DATE 6/20 TITLE DRIVER SIGNATURE Rich Touch

Montana Trucking, LLC

1015 E. Broadway • Hobbs, NM 88240 • (575) 263-9630

B I L L T O	Iron Horse Services LLC	CONTRACT NUMBER		FIELD ORDER NUMBER	336
	498 west Av.c	A.F.E. NUMBER		DATE	1/20/2020
	Lowinton N.M 8269	REQ. OR PURCHASE ORDER NUMBER		ORDERED BY	

DELIVERED FROM		TO									
LOCATION										WELL OR RIG NO.	
North countown #12											
TRUCK OR UNIT NO.	CAPACITY	AMOUNT HAULED	TIME OUT	AM	PM	TIME IN	AM	PM	HOURS CHGD.	DELIVERED BY	
1	12 yds		6:00								
DESCRIPTION						○ HR.	○ BBL.	RATE		AMOUNT	
						13	Hrs.				
Contaminado Soil							bbls				
							#KCL				
							Disp				
Load III							Disp				
13 hrs.							Loads				
							Yards				
							Other				
TOP GAUGE		BOTTOM GAUGE									
HIGHWAY MILES											
LOADED		UNLOADED									
TERMS:										TAX	
										NET TOTAL	

AUTHORIZED BY:

OPERATOR OR DRIVER
Juan Araiza
 SUPERIOR PRINTING SERVICE, INC.

x Luis Medrano

Thank You



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

Company Man Contact Information

Name

Phone No.

GENERATORNO. **433708**

Operator No.

Permit/RRC No.

Operator's Name

Lease/Well

Address

Name & No.

City/State/Zip

County

Phone No.

API No.

Rig Name & No.

AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Cuttings	Washout Water (Non-Injectable)	Washout Water (Injectable)
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Cuttings	Produced Water (Non-Injectable)	Produced Water (Injectable)
Produced Formation Fluid	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Tank Bottoms	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generation process of the waste)
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES**NON-EXEMPT E&P Waste/Service Identification and Amount**

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), ignitability, Corrosivity and Reactivity

Non-Exempt Other

*please select from Non-Exempt Waste List on back

QUANTITY

B - BARRELS

L - LIQUID

Y - YARDS

E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

☒ RCRA EXEMPT

Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT

Oil field waste which is non hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21 261.24 or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD

Emergency non-hazardous, non oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non hazardous waste determination and a description of the waste must accompany this form)

(PRINT) SHIPMENT SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's

Name

Driver's Name

Address

Print Name

Phone No.

Phone No.

Truck No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP**DISPOSAL FACILITY****RECEIVING AREA**

IN: OUT:

Name/No.

Site Name/

Phone No.

Permit No.

Address

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

PASS THE PAINT FILTER TEST? (Circle One)

YES

NO

TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&W/BBLs Received

Free Water

Total Received

BS&W (%)

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST
(PLEASE PRINT)

Company Man Contact Information

Name _____

Phone No. _____

GENERATORNO. **433709**

Operator No. _____

Permit/RRC No. _____

Lease/Well _____

Name & No. _____

County _____

API No. _____

Rig Name & No. _____

AFE/PO No. _____

Operator's Name _____

Address _____

City, State Zip _____

Phone No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)		
Oil Based Muds	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Cuttings	Washout Water (Non-Injectable)	Washout Water (Injectable)
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Cuttings	Produced Water (Non-Injectable)	Produced Water (Injectable)
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Tank Bottoms	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generation process of the waste)
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCCLP), ignitability, Corrosivity and Reactivity

Non Exempt Other _____ *please select from: **Non-Exempt Waste List** on back

QUANTITY ☐ B - BARRELS ☐ L - LIQUID ☐ Y - YARDS ☐ E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- ☒ **RCRA EXEMPT** Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ **RCRA NON EXEMPT** Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

☐ **EMERGENCY NON-OILFIELD** Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

PRINTED NAME DATE SIGNATURE

TRANSPORTER

Transporter's Name **Montana**

Address _____

Phone No. _____

Driver's Name _____

Print Name _____

Phone No. _____

Truck No. **#1**

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below

SHIPMENT DATE DRIVER'S SIGNATURE DELIVERY DATE DRIVER'S SIGNATURE

TRUCK TIME STAMP		DISPOSAL FACILITY	RECEIVING AREA
IN:	OUT:		Name/No.

Site Name/ Permit No. **Halfway Facility / NM1-006**

Address **5601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220**

Phone No. **575-393-1079**

NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro rontgens? (circle one) YES NO

PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches	BS&W/BBLs Received	BS&W (%)
1st Gauge			Free Water	
2nd Gauge			Total Received	
Received				

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TYPE

SIGNATURE



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

Company Main Contact Information

Name

Phone No.

GENERATORNO. **432707**

Operator No.

Operator's Name

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name & No.

County

API No.

Rig Name & No.

AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Muds	Washout Water (Non-Injectable)	Washout Water (Injectable)
Oil Based Cuttings	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Muds	Produced Water (Non-Injectable)	Produced Water (Injectable)
Water Based Cuttings	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Produced Formation Solids	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generate/PO# of the waste)
Tank Bottoms	Truck Washout (exempt waste)	
E&P Contaminated Soil		
Gas Plant Waste		

WASTE GENERATION PROCESS

☐ DRILLING☐ COMPLETION☐ PRODUCTION☐ GATHERING LINES**NON-EXEMPT E&P Waste/Service Identification and Amount**

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), ignitability, corrosivity and reactivity

Non-Exempt Other

*please select from Non-Exempt Waste List on back

QUANTITY

B BARRELS

L LIQUID

Y YARDS

E EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

☒ RCRA EXEMPT

Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

PRINT SIGNATURE AND DATE

DATE

SIGNATURE

TRANSPORTER

Transporter's

Name

Address

Phone No.

Driver's Name

Print Name

Phone No.

Truck No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN:

OUT:

DISPOSAL FACILITY**RECEIVING AREA**

Name/No.

Site Name/

Permit No.

Address

Phone No.

575-393-1079

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

PASS THE PAINT FILTER TEST? (Circle One)

YES

NO

TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&W/BBLs Received

BS&W (%)

Free Water

Total Received

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why?

Name (Print)

DATE

TITLE

SIGNATURE

Montana Trucking, LLC

1015 E. Broadway • Hobbs, NM 88240 • (575) 263-9630

BILL TO	Iron House Services LLC	CONTRACT NUMBER		FIELD ORDER NUMBER	278
	498 West Ave	A.F.E. NUMBER		DATE	06/20/20
	Mountain N.M. 88269	REQ. OR PURCHASE ORDER NUMBER		ORDERED BY	

DELIVERED FROM		TO					
LOCATION							WELL OR RIG NO.
North-Courtown #12							
TRUCK OR UNIT NO.	CAPACITY	AMOUNT HAULED	TIME OUT	AM	TIME IN	AM	HOURS CHGD.
2			6:00	PM			
DESCRIPTION					☐ HR.	☐ BBL.	RATE
Contaminated Soil					13	Hrs.	
						bbls	
load 111						#KCL	
						Disp	
						Disp	
13 hrs						Loads	
						Yards	
						Other	
TOP GAUGE		BOTTOM GAUGE					
HIGHWAY MILES				TAX			
LOADED		UNLOADED		NET TOTAL			

TERMS:

AUTHORIZED BY:

OPERATOR OR DRIVER

Robert To...
SUPERIOR PRINTING SERVICE, INC.

x Luis Medrano

Thank You



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

Company Man Contact Information

Name: 264Phone No: 575-411-1111**GENERATOR**NO. **433897**

Operator No. _____
 Operators Name _____
 Address _____
 City, State, Zip _____
 Phone No. _____

Permit/RRC No. _____
 Lease/Well Name & No. _____
 County _____
 API No. _____
 Rig Name & No. J. A. Dr. II
 AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)		
Oil Based Muds	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Cuttings	Washout Water (Non-Injectable)	Washout Water (Injectable)
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Cuttings	Produced Water (Non-Injectable)	Produced Water (Injectable)
Produced Formation Sands	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Tank Bottoms	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generation process of the waste)
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount	
All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity	
Non-Exempt Other _____	*please select from Non-Exempt Waste List on back
QUANTITY	B BARRELS L LIQUID Y YARDS F EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load(s) (Check the appropriate classification)

- ☐ RCRA EXEMPT Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

☐ EMERGENCY NON-OILFIELD Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order documentation of non-hazardous waste determination and a description of the waste must accompany this form)

TRANSPORTER	
Transporter's Name <u>Montana</u>	Driver's Name _____
Address _____	Print Name _____
Phone No. _____	Phone No. _____
	Truck No. <u>112</u>

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

TRUCK TIME STAMP		DISPOSAL FACILITY		RECEIVING AREA	
IN: _____	OUT: _____	Name/No. <u>50131</u>			

Site Name/Permit No. Halfway Facility / NM1-006 Phone No. 575-393-1079
 Address 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

NORM READINGS TAKEN? (Circle One) YES ☒ NO ☐ If YES, was reading > 50 micro roentgens? (circle one) YES ☐ NO ☐
 PASS THE PAINT FILTER TEST? (Circle One) YES ☒ NO ☐

TANK BOTTOMS			
1st Gauge	Feet	Inches	BS&W/BBLS Received
2nd Gauge			Free Water
Received			Total Received

I hereby certify that the above load material has been (circle one) ACCEPTED ☒ DENIED ☐ If denied, why? _____

NAME (PRINT)

DATE

TIME

SIGNATURE



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

Company Man Contact Information

Name John A. SmithPhone No. 505-771-1111**GENERATOR**NO. **433898**

Operator No. _____

Permit/RRC No. _____

Operator's Name _____

Lease/Well Name & No. _____

Address _____

County _____

City, State, Zip _____

API No. _____

Phone No. _____

Rig Name & No. _____

AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Cuttings	Washout Water (Non-Injectable)	Washout Water (Injectable)
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Cuttings	Produced Water (Non-Injectable)	Produced Water (Injectable)
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Tank Bottoms	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generation process of the waste)
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS

☐ DRILLING☐ COMPLETION☐ PRODUCTION☐ GATHERING LINES**NON-EXEMPT E&P Waste/Service Identification and Amount**

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCPL), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____

*please select from: **Non-Exempt Waste List** on back

QUANTITY

B BARRELS

L LIQUID

Y YARDS

E EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1983 regulatory determination, the above described waste load is (Check the appropriate classification)

☒ RCRA EXEMPT

Oil field waste generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a case load basis only).

☐ RCRA NON-EXEMPT

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

PRINTER'S NAME _____

DATE _____

SIGNATURE _____

TRANSPORTER

Transporter's Name _____

Driver's Name _____

Address _____

Print Name _____

Phone No. _____

Phone No. _____

Truck No. # 2

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below

SHIPMENT DATE _____

ORIGINATOR'S SIGNATURE _____

DELIVERY DATE 12-20

DRIVER'S SIGNATURE _____

TRUCK TIME STAMP**DISPOSAL FACILITY****RECEIVING AREA**

IN: _____ OUT: _____

Name/No. 505-771-1111

Site Name/

Permit No. Halfway Facility / NM1-006Phone No. 575-393-1079Address 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

NORM READINGS TAKEN? (Circle One)

YES

NO

IF YES, was reading > 50 micro roentgens? (circle one)

YES

NO

PASS THE PAINT FILTER TEST? (Circle One)

YES

NO

TANK BOTTOMS

1st Gauge

Feet

Inches

2nd Gauge

Received

BS&W/BBLs Received

BS&W (%)

Free Water

Total Received

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why? _____

NAME (PRINT) _____

DATE _____

TITLE _____

SIGNATURE _____



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST
(PLEASE PRINT)

Company Man Contact Information

Name _____

Phone No. _____

GENERATORNO. **433707**

Operator No. _____
 Operator's Name _____
 Address _____
 City, State, Zip _____
 Phone No. _____

Permit/RRC No. _____
 Lease/Well Name & No. _____
 County _____
 API No. _____
 Rig Name & No. _____
 AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)		
Oil Based Muds	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Cuttings	Washout Water (Non-Injectable)	Washout Water (Injectable)
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Cuttings	Produced Water (Non-Injectable)	Produced Water (Injectable)
Produced Formation Sands	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Tank Bottoms	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generation process of the waste)
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
 All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

QUANTITY ☐ B BARRELS ☐ L - LIQUID ☐ Y YARDS ☐ E EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- ☒ **RCRA EXEMPT** Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ **RCRA NON-EXEMPT** Oil field waste which is non hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

- ☐ **EMERGENCY NON OILFIELD:** Emergency non hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED SIGNATURE

DATE

(PRINT) OF

TRANSPORTER	
Transporter's Name Montaner	Driver's Name _____
Address _____	Print Name _____
Phone No. _____	Phone No. _____
	Truck No. # 2

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

TRUCK TIME STAMP		DISPOSAL FACILITY		RECEIVING AREA	
IN: _____	OUT: _____	Name/No. 50151			
Site Name/Permit No. Halfway Facility / NM1-005	Address 6601 Hobbs Hwy US 62/180 Mile Marker 56 Carlsbad, NM 88220	Phone No. 575 393-1079			
NORM READINGS TAKEN? (Circle One) YES	NO	If YES, was reading > 50 micro roentgens? (circle one) YES	NO		
PASS THE PAINT FILTER TEST? (Circle One) YES	NO				

TANK BOTTOMS			
Feet	Inches	B5&W/BBLs Received	B5&W (%)
1st Gauge		Free Water	
2nd Gauge		Total Received	
Received			

I hereby certify that the above load material has been (circle one) **ACCEPTED** **DENIED** If denied, why? _____

NAME (PRINT)

DATE

TITLE

SIGNATURE

Montana Trucking, LLC

1015 E. Broadway • Hobbs, NM 88240 • (575) 263-9630

B I L L T O	Iron Horse Services LLC	CONTRACT NUMBER		FIELD ORDER NUMBER	277
	498 West Ave C	A.F.E. NUMBER		DATE	01/20/2020
	Lovington N.M 88269	REQ. OR PURCHASE ORDER NUMBER		ORDERED BY	

DELIVERED FROM		TO										
LOCATION		North-Cowtown #12							WELL OR RIG NO.			
TRUCK OR UNIT NO.	3	CAPACITY	12 yds	AMOUNT HAULED		TIME OUT	6:00	AM PM	TIME IN	AM PM	HOURS CHGD.	DELIVERED BY
DESCRIPTION						☐ HR.	☐ BBL.	RATE		AMOUNT		
Contaminate Soil						13	Hrs.					
							bbls					
Loads 111							#KCL					
							Disp					
13 hrs.							Disp					
							Loads					
							Yards					
							Other					
TOP GAUGE		BOTTOM GAUGE										
HIGHWAY MILES												
LOADED		UNLOADED										
TERMS:										TAX		
										NET TOTAL		

OPERATOR OR DRIVER
 Jorge Martin
 SUPERIOR PRINTING SERVICE, INC.

AUTHORIZED BY:

x Luis Medrano

Thank You



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

Company Man Contact Information

Name _____

Phone No. _____

GENERATORNO: **433896**

Operator No. _____

Operator's Name _____

Address _____

City, State & Zip _____

Phone No. _____

Permit/RRC No. _____

Lease/Well _____

Name & No. _____

County _____

API No. _____

Rig Name & No. _____

AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Muds	Washout Water (Non-Injectable)	Washout Water (Injectable)
Oil Based Cuttings	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Muds	Produced Water (Non-Injectable)	Produced Water (Injectable)
Water Based Cuttings	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Produced Formation Solids	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generation process of the waste)
Tank Bottoms	Truck Washout (exempt waste)	
E&P Contaminated Soil		
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES**NON-EXEMPT E&P Waste/Service Identification and Amount**

All non-exempt E&P waste must be analyzed and be below the threshold limits for toxicity (TCLP), ignitability, corrosivity and reactivity.

Non-Exempt Other: _____ *please select from Non-Exempt Waste List on back

QUANTITY: B BARRELS L LIGLID 12 Y YARDS E EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification):

- ☐ RCRA EXEMPT Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications in a separate load basis only)
- ☐ RCRA NON-EXEMPT Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.74, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

- ☐ EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINTED NAME OF GENERATOR)

DATE

SIGNATURE

TRANSPORTER

Transporter's

Name _____

Address _____

Phone No. _____

Driver's Name _____

Print Name _____

Phone No. _____

Truck No. **#3**

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP**DISPOSAL FACILITY****RECEIVING AREA**

IN: _____ OUT: _____

Name/No. _____

Site Name/

Permit No. _____

Address _____

Halfway Facility / NM 1-006

6601 Hobbs Hwy US 52/180 Mile Marker 66 Carlsbad, NM 88220

Phone No. _____

575-393-1079

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

PASS THE PAINT FILTER TEST? (Circle One)

YES

NO

TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&W/BBLs Received

Free Water

Total Received

BS&W (%)

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

Company Man Contact Information

Name _____

Phone No. _____

GENERATORNO. **433710**

Operator No. _____

Permit/RRC No. _____

Operator's Name _____

Lease/Well Name & No. _____

Address _____

County _____

City, State, Zip _____

API No. _____

Phone No. _____

Rig Name & No. _____

AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Cuttings	Washout Water (Non-Injectable)	Washout Water (Injectable)
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Cuttings	Produced Water (Non-Injectable)	Produced Water (Injectable)
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Tank Bottoms	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generation process of the waste)
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES**NON-EXEMPT E&P Waste/Service Identification and Amount**

All non-exempt E&P waste must be analyzed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____

*please select from Non-Exempt Waste List on back

QUANTITY: _____ B BARRELS _____ L LIQUID _____ Y YARDS _____ E EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is (check the appropriate classification):

☐ RCRA EXEMPT

Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only).

☐ RCRA NON-EXEMPT

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name: Montana

Address: 1111 N. 1st St.

Phone No: 505.261.1234

Driver's Name _____

Print Name _____

Phone No. _____

Truck No. #3

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: _____ OUT: _____

DISPOSAL FACILITY**RECEIVING AREA**Name/No. 5051

Site Name/

Permit No.

Address

Halfway Facility / NM1 006

Phone No.

575-393-1079

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

PASS THE PAINT FILTER TEST? (Circle One)

YES

NO

TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&W/BBLS Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why? _____

NAME (PRINT)

DATE

TITLE

SIGNATURE



NEW MEXICO NON HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

Company Man Contact Information

Name

Phone No.

NO. 432893

GENERATOR

Operator No.

Operator's Name

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name & No.

County

API No.

Rig Name & No.

AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)		
Oil Based Muds	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Cuttings	Washout Water (Non-Injectable)	Washout Water (Injectable)
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Cuttings	Produced Water (Non-Injectable)	Produced Water (Injectable)
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Tank Bottoms	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generation process of the waste)
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS

☐ DRILLING☐ COMPLETION☐ PRODUCTION☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity

Non-Exempt Other

*please select from Non-Exempt Waste List on back

QUANTITY

B BARRELS

L LIQUID

Y YARDS

F EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

☒ RCRA EXEMPT

Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's

Name

Address

Phone No.

Driver's Name

Print Name

Phone No.

Truck No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN:

OUT:

Name/No.

Site Name/

Permit No.

Address

Halfway Facility / NM1 006

Phone No.

575-393 1079

6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

PASS THE PAINT FILTER TEST? (Circle One)

YES

NO

TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&W/BBLs Received

BS&W (%)

Free Water

Total Received

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

Iron Horse Services LLC
418 W ave C
Lovington
NM 88260



Bill To
BDS Enterprises LLC
PO Box 2286

RECEIVED

JAN 29 2020

313576

RECEIVED

FEB 20 2020

Invoice

Date 1/23/2020 Invoice # 1280

2 pgs.

P.O. No.	Terms	Project
Louie Barnes	Net 30	Cowtown North #12

Description	Quantity	Rate	Project	Amount
Select Energy - Cowtown North #12 1-21-20 Truck # 8 Reyes Trucking 12yd Loads - 3 Field ticket # 153927 R360 Tickets -429481, 429478, and 429482	13	75.00	Dump Truck	975.00T
Select Energy - Cowtown North #12 1-21-20 Truck # 7 Reyes Trucking 12yd Loads - 3 Field ticket # 587532 R360 Tickets -429479, 433765, and 439480	13	75.00	Dump Truck	975.00T
Select Energy - Cowtown North #12 1-21-20 Truck # 3 Galindos Trucking 12yd Loads - 3 Field ticket # 609561 R360 Tickets -42429504, 429506, and 429505	13	75.00	Dump Truck	975.00T
Select Energy - Cowtown North #12 1-21-20 Truck # 4 Galindos Trucking 12yd Loads - 3 Field ticket # 821985 R360 Tickets -432878, 429569, and 432877	13	75.00	Dump Truck	975.00T
Select Energy - Cowtown North #12 1-21-20 Truck # 1 Montana Trucking 12yd Loads - 3 Field ticket # 341 R360 Tickets -429565, 429564, and 433900	13	75.00	Dump Truck	975.00T
			Total	

Iron Horse Services LLC
 418 W ave C
 Lovington
 NM 88260



Bill To
BDS Enterprises LLC PO Box 2286 Lovington, NM 88260

Invoice

Date Invoice #
 1/23/2020 1280

P.O. No.	Terms	Project
Louie Barnes	Net 30	Cowtown North #12

Description	Quantity	Rate	Project	Amount
Select Energy - Cowtown North #12 1-21-20 Truck # 3 Montana Trucking 12yd Loads - 3 Field ticket # 279 R360 Tickets -432895, 432896, and 432894 tax exempt	13	75.00	Dump Truck	975.00
		0.00%		0.00
ENTERED FEB 20 2020				
Total				\$5,850.00

153927

Invoice

SOLD TO		Iron Horse		SHIP TO		Dexes Trucking	
ADDRESS		418 W. Ave C		ADDRESS		326 S Thorpe St	
CITY, STATE, ZIP		Lovington NM		CITY, STATE, ZIP		Hobbs NM 88240	
CUSTOMER ORDER NO.		SOLD BY		TERMS		F.O.B.	
		Unit 08				DATE	
						6/21/20	

ORDERED	SHIPPED	DESCRIPTION	PRICE	UNIT	AMOUNT
		Company: Select Energy			
		Lease - Nort Cowton #12			
		Driver: Martin G			
		Leads (3)			
		Luis Medrano 13 hrs			

BNA Adams 5540

05-15



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

Company Man Contact Information

Name Pick Touch

Phone No. _____

GENERATORNO. 429481

Operator No. _____

Operators Name Select Energy

Address _____

City, State, Zip _____

Phone No. _____

Permit/RRC No. _____

Lease/Well _____

Name & No. Nort Cowton # 12

County _____

API No. _____

Rig Name & No. Non

AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Muds	Washout Water (Non-Injectable)	Washout Water (Injectable)
Oil Based Cuttings	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Muds	Produced Water (Non-Injectable)	Produced Water (Injectable)
Water Based Cuttings	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Produced Formation Solids	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generation process of the waste)
Tank Bottoms	Truck Washout (exempt waste)	<u>Contaminated</u>
E&P Contaminated Soil		
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES**NON-EXEMPT E&P Waste/Service Identification and Amount**

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS L - LIQUID Y - YARDS 12 E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

☐ EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENT'S NAME _____

DATE _____

SIGNATURE _____

TRANSPORTERTransporter's Name Lexus TruckingAddress 366 Taft StPhone No. 432 709 07 08Driver's Name Martin Jaramas

Print Name _____

Phone No. _____

Truck No. # 08

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE _____

DRIVER'S SIGNATURE _____

DELIVERY DATE _____

DRIVER'S SIGNATURE _____

TRUCK TIME STAMP**DISPOSAL FACILITY****RECEIVING AREA**

IN: _____

OUT: _____

Name/No. 58/51

Site Name/

Permit No. Halfway Facility / NM1-005Address 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220Phone No. 575-393-1079

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

NO

YES

NO

PASS THE PAINT FILTER TEST? (Circle One)

YES

NO

TANK BOTTOMS

1st Gauge

2nd Gauge

Received

Feet

Inches

BS&W/BBLs Received

Free Water

Total Received

BS&W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why? _____

NAME (PRINT) _____

DATE _____

TITLE _____

SIGNATURE _____



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

Company Man Contact Information

Name Rick Touch

Phone No.

GENERATOR

NO. 429478

Operator No.

Operators Name

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name & No.

County

API No.

Rig Name & No.

AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Muds	Washout Water (Non-Injectable)	Washout Water (Injectable)
Oil Based Cuttings	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Muds	Produced Water (Non-Injectable)	Produced Water (Injectable)
Water Based Cuttings	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Produced Formation Solids		
Tank Bottoms	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generation product of the waste)
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCPL), ignitability, corrosivity and reactivity.

Non-Exempt Other

*please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS L - LIQUID Y - YARDS 12 E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

- ☐ EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name

Address

Phone No.

Driver's Name

Print Name

Phone No.

Truck No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN:

OUT:

DISPOSAL FACILITY

RECEIVING AREA

Name/No. 50/81

Site Name/

Permit No.

Address

Phone No.

Halfway Facility / NM1-006

6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

575-393-1079

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

PASS THE PAINT FILTER TEST? (Circle One)

YES

NO

TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&W/BGLS Received

Free Water

Total Received

BS&W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

Company Man Contact Information

Name Eric Four

Phone No. _____

GENERATORNO. **429482**

Operator No. _____

Operator's Name Select Energy

Address _____

City, State, Zip _____

Phone No. _____

Permit/RRC No. _____

Lease/Well Name & No. North Cowton #12

County _____

API No. _____

Rig Name & No. N

AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Muds	Washout Water (Non-Injectable)	Washout Water (Injectable)
Oil Based Cuttings	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Muds	Produced Water (Non-Injectable)	Produced Water (Injectable)
Water Based Cuttings	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Produced Formation Solids	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generation process of the waste)
Tank Bottoms	Truck Washout (exempt waste)	<u>Contaminated</u>
E&P Contaminated Soil		
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES**NON-EXEMPT E&P Waste/Service Identification and Amount**

All non-exempt E&P waste must be analyzed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____

*please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS L - LIQUID Y - YARDS 12 E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

- ☐ EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

TRANSPORTERTransporter's Name Doyes TruckingAddress 326 S Thorpe StPhone No. 432 209 0208Driver's Name Martin Gonzalez

Print Name

Phone No.

Truck No. # 08

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN: _____

OUT: _____

DISPOSAL FACILITY**RECEIVING-AREA**Name/No. 575-393-1079

Site Name/

Halfway Facility / NM1-006

Phone No.

575-393-1079

Address

6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

PASS THE PAINT FILTER TEST? (Circle One)

YES

NO

TANK BOTTOMS

1st Gauge

2nd Gauge

Received

Feet

Inches

BS&W/BBLs Received

BS&W (%)

Free Water

Total Received

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

Company Man Contact Information

Name RIK FOUCH

Phone No. _____

GENERATORNO. 429479

Operator No. _____

Operator's Name _____

Address _____

City, State, Zip _____

Phone No. _____

Permit/RRC No. _____

Lease/Well _____

Name & No. _____

County _____

API No. _____

Rig Name & No. _____

AFE/PO No. _____

NORTH COUNTRY #12NOV

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Muds	Washout Water (Non-Injectable)	Washout Water (Injectable)
Oil Based Cuttings	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Muds	Produced Water (Non-Injectable)	Produced Water (Injectable)
Water Based Cuttings	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Produced Formation Solids	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generation process of the waste)
Tank Bottoms	Truck Washout (exempt waste)	<u>CONTAMINATE</u>
E&P Contaminated Soil		
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analyzed and be below the threshold limits for toxicity (TCLP), ignitability, corrosivity and reactivity.

Non-Exempt Other _____

*please select from Non-Exempt Waste List on back

QUANTITY 12 B - BARRELS L - LIQUID YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

☒ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD:

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENT'S NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's

Name

Address

Phone No.

Driver's Name

Print Name

Phone No.

Truck No.

REYES TRUCKING LLC
- 326 S THORP ST
HOBBS N.M. 88240
432-209-0208
ANTONIO R.
432-209-0208
#07

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN:

OUT:

DISPOSAL FACILITY**RECEIVING AREA**Name/No. 50/51

Site Name/

Permit No.

Address

Phone No.

575-393-1079Halfway Facility / NM-0066601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

PASS THE PAINT FILTER TEST? (Circle One)

YES

NO

TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&W/BBLs Received

BS&W (%)

Free Water

Total Received

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

Company Man Contact Information

Name RICK FOUCH

Phone No. _____

GENERATORNO. 433765

Operator No. _____

Operators Name SELECT ENERGY

Address _____

City, State, Zip _____

Phone No. _____

Permit/RRC No. _____

Lease/Well _____

Name & No. NORTH COWTON #12

County _____

API No. _____

Rig Name & No. _____

AFE/PO No. NON

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Muds	Washout Water (Non-Injectable)	Washout Water (Injectable)
Oil Based Cuttings	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Muds	Produced Water (Non-Injectable)	Produced Water (Injectable)
Water Based Cuttings	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Produced Formation Solids	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generate process of the waste)
Tank Bottoms	Truck Washout (exempt waste)	<u>CONTAMINATE</u>
E&P Contaminated Soil		
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCPL), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____

*please select from Non-Exempt Waste List on back

QUANTITY 12 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

- ☐ EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

TRANSPORTERTransporter's Name RYLES TRUCKING LLCAddress 326 S THORP STPhone No. 432-209-0208Driver's Name ANTONIO R.

Print Name _____

Phone No. 432-209-0208Truck No. 1107

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 01/21/20DRIVER'S SIGNATURE ANTONIO R.

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP**DISPOSAL FACILITY****RECEIVING AREA**

IN: _____

OUT: _____

Name/No. 50/P

Site Name/

Halfway Facility / NM1-006

Phone No. 575-393-1079

Permit No. _____

Address 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

NORM READINGS TAKEN? (Circle one)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

PASS THE PAINT FILTER TEST? (Circle one)

YES

NO

TANK BOTTOMS

1st Gauge

2nd Gauge

Received

Feet

Inches

BS&W/BBLs Received

BS&W (%)

Free Water

Total Received

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why? _____

NAME (PRINT)

DATE

TITLE

SIGNATURE



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

Company Man Contact Information

Name RICK FAUCH

Phone No.

GENERATORNO. 429480

Operator No.

Operators Name SELECT ENERGY

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name & No.

County

API No.

Rig Name & No.

AFE/PO No.

NORTH COWTON #12NOW**EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)**

Oil Based Muds	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Cuttings	Washout Water (Non-Injectable)	Washout Water (Injectable)
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Cuttings	Produced Water (Non-Injectable)	Produced Water (Injectable)
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Tank Bottoms	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generation process of the waste)
E&P Contaminated Soil	Truck Washout (exempt waste)	<u>CONTAMINATE</u>
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES**NON-EXEMPT E&P Waste/Service Identification and Amount**

All non-exempt E&P waste must be analyzed and be below the threshold limits for toxicity (TCLP), ignitability, corrosivity and reactivity.

Non-Exempt Other

*please select from Non-Exempt Waste List on back

QUANTITY 12 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

- ☐ EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's

Name

Address

Phone No.

Driver's Name

Print Name

Phone No.

Truck No.

RYES TRUCKING LLC326 S THORP STHOBBS N.M. 88240432-209-0208ANTONIO R.432-209-0208HOT

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP**DISPOSAL FACILITY****RECEIVING AREA**

IN:

OUT:

Name/No. 5051

Site Name/

Permit No.

Address

Phone No.

Halfway Facility / NM1-0066601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220575-393-1079

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

PASS THE PAINT FILTER TEST? (Circle One)

YES

NO

TANK BOTTOMS

1st Gauge

2nd Gauge

Received

Feet

Inches

BS&W/BBLs Received

Free Water

Total Received

BS&W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

609561

Invoice		SHIP TO		Galindos TRC #3	
SOLD TO		ADDRESS		HCR 4 Box 1580	
418 West Ave C		CITY, STATE, ZIP		Denver City 80233	
Laurington N.M.		TERMS		DATE	
CUSTOMER ORDER NO		SOLD BY		1-21-20	
ORDERED	SHIPPED	DESCRIPTION	PRICE	UNIT	AMOUNT
		Company: Select Energy Serv.			
		Lease: North Countown #2			
		Hauled 3 Loads of Compost			
		Spill from Location to R-360			
Loads #		1015 Mediano 13 hrs			

09-15



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST
(PLEASE PRINT)

Company Man Contact Information

Name Rich F. Webb

Phone No. _____

GENERATOR

NO. **429504**

Operator No. _____

Operators Name Select Energy

Address _____

City, State, Zip _____

Phone No. _____

Permit/RRC No. _____

Lease/Well Name & No. North Cawtown #2

County _____

API No. _____

Rig Name & No. _____

AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Muds	Washout Water (Non-Injectable)	Washout Water (Injectable)
Oil Based Cuttings	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Muds	Produced Water (Non-Injectable)	Produced Water (Injectable)
Water Based Cuttings	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Produced Formation Solids	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generation process of the waste)
Tank Bottoms	Truck Washout (exempt waste)	
E&P Contaminated Soil		
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS L - LIQUID 12 Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

- ☐ EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED SIGNATURE

DATE

SIGNATURE

TRANSPORTER

Transporter's Name Galindo's TR

Address _____

Phone No. Hickory Box 1580Phone No. Dover City TX 79323Driver's Name Mirya M. Robles

Print Name _____

Phone No. _____

Truck No. #3

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____

Name/No. _____

Site Name/Permit No. Halfway Facility / NM1-006Address 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220Phone No. 575-393-1079

NORM READINGS TAKEN? (Circle One) YES NO

If YES, was reading > 50 micro roentgens? (circle one) YES NO

PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
Received		

BS&W/BBLs Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? _____

NAME (PRINT)

DATE

TITLE

SIGNATURE



Permian Basin

Customer: SELECT ENERGY SERVICES
 Customer #: CRI5255
 Ordered by: RICK FOUCH
 AFE #:
 PO #:
 Manifest #: 429506
 Manif. Date: 1/21/2020
 Hauler: GALINDOS TRUCKING
 Driver: MIREYA
 Truck #: 3
 Card #
 Job Ref #

Ticket #: 700-1102688
 Bid #: Walk-in Bid
 Date: 1/21/2020
 Generator: SELECT ENERGY SERVICES
 Generator #:
 Well Ser. #: 999908
 Well Name: NORTH COWTOWN
 Well #: 2
 Field:
 Field #:
 Rig: NON-DRILLING
 County

Facility: CRI

Product/ Service						Quantity Units					
Contaminated Soil (RCRA Exempt)						12.00 yards					
	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis.	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

- ☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: SELECT ENERGY SERVICES
 Customer #: CRI5255
 Ordered by: RICK FLOUCH
 AFE #:
 PO #:
 Manifest #: 429505
 Manif. Date: 1/21/2020
 Hauler: GALINDOS TRUCKING
 Driver: MIREYA
 Truck #: 3
 Card #
 Job Ref #

Ticket #: 700-1102597
 Bid #: Walk-in Bid
 Date: 1/21/2020
 Generator: SELECT ENERGY SERVICES
 Generator #:
 Well Ser. #: 999908
 Well Name: NORTH COWTOWN
 Well #: 2
 Field:
 Field #:
 Rig: NON-DRILLING
 County

Facility: CRI

Product / Service	Quantity Units									
Contaminated Soil (RCRA Exempt)	12.00 yards									
	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0					

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

- ☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

821985

Invoice		SOLD TO		SHIP TO	
ADDRESS		ADDRESS		ADDRESS	
CITY, STATE, ZIP		CITY, STATE, ZIP		CITY, STATE, ZIP	
CUSTOMER ORDER NO.		TERMS		DATE	
Hiron Horse Services LLC		Galindo's Trucking			
418 West Ave C		HER 4 Box 1586			
Lorington NM 88269		Denver City TX 75323			
SOLD BY #4		F.O.B.		1-21-20	
ORDERED	SHIPPED	DESCRIPTION	PRICE	UNIT	AMOUNT
		Company Select Energy			
		Hauled 3 Loads of Combined			
		Lease-North Cowtown			
		Sol From Location To R360			
		Travel 150 = 111			
		Hours: 13 hrs Laid 1 Deck			

12-13



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST
(PLEASE PRINT)

Company Man Contact Information

Name Rich Fourn

Phone No. _____

GENERATOR

NO. **432878**

Operator No. _____

Operators Name Let Energy Serv.

Address _____

City, State, Zip _____

Phone No. _____

Permit/RRC No. _____

Lease/Well _____

Name & No. _____

County _____

API No. _____

Rig Name & No. _____

AFE/PO No. _____

North Cowntown #2

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

		NON-INJECTABLE WATERS		INJECTABLE WATERS	
		Washout Water (Non-Injectable)	Completion Fluid/Flow back (Non-Injectable)	Washout Water (Injectable)	Completion Fluid/Flow back (Injectable)
Oil Based Muds					
Oil Based Cuttings					
Water Based Muds					
Water Based Cuttings					
Produced Formation Solids					
Tank Bottoms					
E&P Contaminated Soil					
Gas Plant Waste					
		INTERNAL USE ONLY		OTHER EXEMPT WASTES (type and generation process of the waste)	
		Truck Washout (exempt waste)			

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____

*please select from Non-Exempt Waste List on back

QUANTITY ☐ B - BARRELS ☐ L - LIQUID 12 ☒ Y - YARDS ☐ E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- ☐ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

- ☐ EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name Gabardo's Trucking

Address _____

Phone No. HCR 4 Box 1580Denver City TX 79323Driver's Name Rene Garcia

Print Name _____

Phone No. _____

Truck No. #9

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____

Name/No. _____

Site Name/

Permit No.

Address

Halfway Facility / NM1-006

Phone No.

575-393-10796601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220NORM READINGS TAKEN? (Circle One) YES ☐ NO ☐If YES, was reading > 50 micro roentgens? (circle one) YES ☐ NO ☐PASS THE PAINT FILTER TEST? (Circle One) YES ☐NO ☐

TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
Received		

BS&W/BBLs Received	BS&W (%)
Free Water	
Total Received	

I hereby certify that the above load material has been (circle one): ACCEPTED ☐ DENIED ☐ If denied, why? _____

NAME (PRINT)

DATE

TITLE

SIGNATURE



Permian Basin

Customer: SELECT ENERGY SERVICES
 Customer #: CRI5255
 Ordered by: RICH FOUCH
 AFE #:
 PO #:
 Manifest #: 429569
 Manif. Date: 1/21/2020
 Hauler: GALINDOS TRUCKING
 Driver: RENE
 Truck #: 4
 Card #
 Job Ref #

Ticket #: 700-1102606
 Bid #: Walk-in Bid
 Date: 1/21/2020
 Generator: SELECT ENERGY SERVICES
 Generator #:
 Well Ser. #: 999908
 Well Name: NORTH COWTOWN
 Well #: 2
 Field:
 Field #:
 Rig: NON-DRILLING
 County

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

12.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis.	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: SELECT ENERGY SERVICES
 Customer #: CRI5255
 Ordered by: RICK FOUCH
 AFE #:
 PO #:
 Manifest #: 432877
 Manif. Date: 1/21/2020
 Hauler: RENE'S TRUCKING
 Driver: RENE
 Truck #: 4
 Card #
 Job Ref #

Ticket #: 700-1102700
 Bid #: Walk-in Bid
 Date: 1/21/2020
 Generator: SELECT ENERGY SERVICES
 Generator #:
 Well Ser. #: 999908
 Well Name: NORTH COWTOWN
 Well #: 2
 Field:
 Field #:
 Rig: NON-DRILLING
 County

Facility: CRI

Product/Service	Quantity Units									
Contaminated Soil (RCRA Exempt)	12.00 yards									
	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0					

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

- ☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

Montana Trucking, LLC

1015 E. Broadway • Hobbs, NM 88240 • (575) 263-9630

BILL TO	Iron Horse Services LLC	CONTRACT NUMBER		FIELD ORDER NUMBER	341
	418 West AV-C	A.F.E. NUMBER		DATE	01/21/20
	Lovinton NM 88269	REQ. OR PURCHASE ORDER NUMBER		ORDERED BY	

DELIVERED FROM				TO			
LOCATION						WELL OR RIG NO.	
Nort Cowntown #2 Non Drill							
TRUCK OR UNIT NO.	CAPACITY	AMOUNT HAULED	TIME OUT	AM PM	TIME IN	AM PM	HOURS CHGD.
1	12		6:00	PM			
DESCRIPTION				☐ HR.	☐ BBL.	RATE	AMOUNT
					Hrs.		
					bbls		
Contaminado Soil					#KCL		
					Disp		
Loads 111					Disp		
					Loads		
13 hrs					Yards		
					Other		
TOP GAUGE		BOTTOM GAUGE					
HIGHWAY MILES						TAX	
LOADED		UNLOADED				NET TOTAL	

TERMS:

AUTHORIZED BY:

OPERATOR OR DRIVER
Juan Araiza
 SUPERIOR PRINTING SERVICE, INC.

x Luis Medina

Thank You



Permian Basin

Customer: SELECT ENERGY SERVICES
 Customer #: CRI5255
 Ordered by: RICK FOUCH
 AFE #:
 PO #:
 Manifest #: 429565
 Manif. Date: 1/21/2020
 Hauler: MONTANA TRUCKING, LLC
 Driver: JUAN
 Truck #: 1
 Card #
 Job Ref #

Ticket #: 700-1102682
 Bid #: Walk-in Bid
 Date: 1/21/2020
 Generator: SELECT ENERGY SERVICES
 Generator #:
 Well Ser. #: 999908
 Well Name: NORTH COWTOWN
 Well #: 2
 Field:
 Field #:
 Rig: NON-DRILLING
 County

Facility: CRI

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	12.00	yards
Lab Analysis	50/51	0.00 0.00 0.00 0
	Cell	pH Cl Cond. %Solids TDS PCI/GM MR/HR H2S % Oil Weight

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

- ☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: SELECT ENERGY SERVICES
 Customer #: CRI5255
 Ordered by: RICK FOUCH
 AFE #:
 PO #:
 Manifest #: 429564
 Manif. Date: 1/21/2020
 Hauler: MONTANA TRUCKING, LLC
 Driver: JUAN
 Truck #: 1
 Card #
 Job Ref #

Ticket #: 700-1102587
 Bid #: Walk-in Bid
 Date: 1/21/2020
 Generator: SELECT ENERGY SERVICES
 Generator #:
 Well Ser. #: 999908
 Well Name: NORTH COWTOWN
 Well #: 2
 Field:
 Field #:
 Rig: NON-DRILLING
 County

Facility: CRI

Product / Service						Quantity Units					
Contaminated Soil (RCRA Exempt)						12.00 yards					
	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis.	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

- ☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

Company Man Contact Information

Name _____

Phone No. _____

GENERATORNO. **433900**

Operator No. _____
 Operator's Name _____
 Address _____
 City, State, Zip _____
 Phone No. _____

Permit/RRC No. _____
 Lease/Well Name & No. _____
 County _____
 AP No. _____
 Rig Name & No. _____
 AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)		
Oil Based Muds	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Cuttings	Washout Water (Non-Injectable)	Washout Water (Injectable)
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Cuttings	Produced Water (Non-Injectable)	Produced Water (Injectable)
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Tank Bottoms	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generation process of the waste)
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analyzed and be below the threshold limits for toxicity (TCLP), ignitability, corrosivity and reactivity.

Non-Exempt Other: _____ *please select from Non-Exempt Waste List on back

QUANTITY: _____ G BARRELS _____ L LIQUID _____ Y YARDS _____ E EAL-1

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1985 regulatory determination, the above described waste load is (check the appropriate classification)

- ☒ **RCRA EXEMPT** Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ **RCRA NON-EXEMPT** Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

- ☐ **EMERGENCY NON-OILFIELD** Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) NAME OF TRANSPORTER		DATE	SIGNATURE
TRANSPORTER			
Transporter's Name	<u>Montana</u>	Driver's Name	_____
Address	_____	Print Name	_____
Phone No.	_____	Phone No.	_____
		Truck No.	<u>#1</u>

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below

SHIPMENT DATE	DRIVER'S SIGNATURE	DELIVERY DATE	DRIVER'S SIGNATURE
		<u>01/24/20</u>	

TRUCK TIME STAMP		DISPOSAL FACILITY	RECEIVING AREA
IN: _____	OUT: _____		Name/No. <u>34</u>
Site Name/Permit No.	<u>Halfway Facility / NM1-006</u>	Phone No.	<u>575 393 1079</u>
Address	<u>6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220</u>		
NORM READINGS TAKEN? (Circle One)	YES ☒ NO ☐	If YES, was reading > 50 micro roentgens? (circle one)	YES ☐ NO ☐
PASS THE PAINT FILTER TEST? (Circle One)	YES ☒ NO ☐		

TANK BOTTOMS			
1st Gauge	Feet	Inches	BS&W/BBLs Received
2nd Gauge			Free Water
Received			Total Received
			BS&W (%)

I hereby certify that the above load material has been (circle one) **ACCEPTED** **DENIED** If denied, why? _____

NAME (PRINT)

DATE

TITLE

SIGNATURE

Montana Trucking, LLC

1015 E. Broadway • Hobbs, NM 88240 • (575) 263-9630

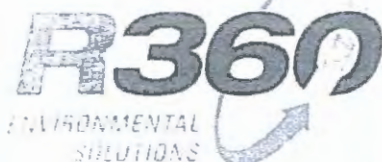
BILL TO	Iran Hourse Services LLC	CONTRACT NUMBER		FIELD ORDER NUMBER	279
	418 West Av-C	A.F.E. NUMBER		DATE	01/21/2020
	Lovinton N.M. 88269	REQ. OR PURCHASE ORDER NUMBER		ORDERED BY	

DELIVERED FROM		TO									
LOCATION										WELL OR RIG NO.	
North Cowtown #12 Nun Drill											
TRUCK OR UNIT NO.	CAPACITY	AMOUNT HAULED	TIME OUT	AM	PM	TIME IN	AM	PM	HOURS CHGD.	DELIVERED BY	
3	12 yds		6:00	AM							
DESCRIPTION						HR.	BBL.	RATE		AMOUNT	
Contaminate Soil						13	Hrs.				
Loads 111							bbls				
							#KCL				
							Disp				
							Disp				
							Loads				
13 hrs							Yards				
TOP GAUGE						BOTTOM GAUGE		Other			
HIGHWAY MILES											
LOADED						UNLOADED					
TERMS:										TAX	
										NET TOTAL	

OPERATOR OR DRIVER
Jorge Marin
 SUPERIOR PRINTING SERVICE, INC.

AUTHORIZED BY:
 X LLIS Medrano

Thank You



Permian Basin

Customer: SELECT ENERGY SERVICES
 Customer #: CRI5255
 Ordered by: RICK FOUCH
 AFE #:
 PO #:
 Manifest #: 432895
 Manif. Date: 1/21/2020
 Hauler: MONTANA TRUCKING, LLC
 Driver: JORGE
 Truck #: 3
 Card #
 Job Ref #

Ticket #: 700-1102575
 Bid #: Walk-in Bid
 Date: 1/21/2020
 Generator: SELECT ENERGY SERVICES
 Generator #:
 Well Ser. #: 999908
 Well Name: NORT COWTOWN
 Well #: 12
 Field:
 Field #:
 Rig: NON-DRILLING
 County

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

12.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis.	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

- ☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: SELECT ENERGY SERVICES
 Customer #: CRI5255
 Ordered by: RICK FOUCH
 AFE #:
 PO #:
 Manifest #: 432896
 Manif. Date: 1/21/2020
 Hauler: MONTANA TRUCKING, LLC
 Driver: JORGE
 Truck #: 3
 Card #
 Job Ref #

Ticket #: 700-1102673
 Bid #: Walk-in Bid
 Date: 1/21/2020
 Generator: SELECT ENERGY SERVICES
 Generator #:
 Well Ser. #: 999908
 Well Name: NORTH COWTOWN
 Well #: 2
 Field:
 Field #:
 Rig: NON-DRILLING
 County

Facility: CRI

Product / Service	Quantity Units									
Contaminated Soil (RCRA Exempt)	12.00 yards									
	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0					

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

- ☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

Company Man Contact Information

Name Phone No. **GENERATOR**NO. **432894**

Operator No.
 Operator's Name
 Address
 City, State, Zip
 Phone No.

Permit/RRC No.
 Lease/Well Name & No.
 County
 API No.
 Rig Name & No.
 AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Cuttings	Washout Water (Non-Injectable)	Washout Water (Injectable)
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Cuttings	Produced Water (Non-Injectable)	Produced Water (Injectable)
Produced Formation Fluid	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Tank Bottoms	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generation process of the waste)
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), ignitability, corrosivity and reactivity.

Non-Exempt Other:

*please select from Non-Exempt Waste List on back

QUANTITY 12 D. BARRELS L. LIQUID 12 Y. YARDS E. EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load(s) (Check the appropriate classification):

- ☐ RCRA EXEMPT Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

☐ EMERGENCY NON-OILFIELD Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) DATE 01/21/20SIGNATURE **TRANSPORTER**

Transporter's Name Montana Trucking LLC
 Address 1015 E. Academy
Y. 111 - N. N. 802-70
 Phone No.

Driver's Name
 Print Name Jorge Marin
 Phone No.
 Truck No. #3

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below

SHIPMENT DATE 1-21-20DRIVER'S SIGNATURE Jorge MarinDELIVERY DATE 1-21-20DRIVER'S SIGNATURE Jorge Marin**TRUCK TIME STAMP**IN: OUT: **DISPOSAL FACILITY****RECEIVING AREA**Name/No.

Site Name/ Permit No. Halfway Facility / NM1-005
 Address 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-393-1079

NORM READINGS TAKEN? (Circle One) YES NO

If YES, was reading > 50 micro roentgens? (circle one) YES NO

PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
Received		

BS&W/BBLS Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one) ACCEPTED DENIED If denied, why?

NAME (PRINT) DATE TITLE SIGNATURE

Iron Horse Services LLC
418 W ave C
Lovington
NM 88260

RECEIVED
JAN 29 2020

313576
RECEIVED
FEB 20 2020



Bill To
BDS Enterprises LLC
PO Box 2286

Invoice

Date 1/23/2020 Invoice # 1281

2 pgs.

P.O. No.	Terms	Project
Louie Barnes	Net 30	Cowtown North #12

Description	Quantity	Rate	Project	Amount
Select Energy - Cowtown North #12 1-22-20 Truck # 8 Reyes Trucking 12yd Loads - 3 Field ticket # 153928 R360 Tickets -429485, 429484, and 429483	13	75.00	Dump Truck	975.00T
Select Energy - Cowtown North #12 1-22-20 Truck # 6 Reyes Trucking 12yd Loads - 3 Field ticket # 587533 R360 Tickets -433736, 433764, and 433749	13	75.00	Dump Truck	975.00T
Select Energy - Cowtown North #12 1-22-20 Truck # 3 Galindos Trucking 12yd Loads - 3 Field ticket # 609562 R360 Tickets -429507, 432798, and 432799	13	75.00	Dump Truck	975.00T
Select Energy - Cowtown North #12 1-22-20 Truck # 4 Galindos Trucking 12yd Loads - 3 Field ticket # 821986 R360 Tickets -42429311, 429318, and 429568	13	75.00	Dump Truck	975.00T
Select Energy - Cowtown North #12 1-22-20 Truck # 1 Montana Trucking 12yd Loads - 3 Field ticket # 343 R360 Tickets - 433706, 432899, and 433705	13	75.00	Dump Truck	975.00T
			Total	

Iron Horse Services LLC
418 W ave C
Lovington
NM 88260



Bill To
BDS Enterprises LLC
PO Box 2286
Lovington, NM 88260

Invoice

Date Invoice #
 1/23/2020 1281

P.O. No.	Terms	Project
Louie Barnes	Net 30	Cowtown North #12

Description	Quantity	Rate	Project	Amount
Select Energy - Cowtown North #12 1-22-20 Truck # 3 Montana Trucking 12yd Loads - 3 Field ticket # 282 R360 Tickets - 433702, 433703, and 433704 tax exempt	13	75.00	Dump Truck	975.00T
		0.00%		0.00
			Total	\$5,850.00

ENTERED
 FEB 20 2020

153928

Invoice

SOLD TO		SHIP TO			
Iron Horse		Pexes Trucking			
ADDRESS		ADDRESS			
418 W. Ave C.		326 S. Thorp St			
CITY, STATE, ZIP		CITY, STATE, ZIP			
Lovington, NM		He, 23 1m 88260			
CUSTOMER ORDER NO.		TERMS			
unit 08		DATE			
01/22/20					
ORDERED	SHIPPED	DESCRIPTION	PRICE	UNIT	AMOUNT
		Company: Select Energy			
		Lease: Nort Cowton #12			
		Driver: Marka granados			
		3 Loads			
		Luis Medrano 13 hrs			

FORM 100-100-100-100

00-15



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

Company Man Contact Information

Name Mike Touch

Phone No.

GENERATORNO. 429485

Operator No.

Operators Name Select Energy

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name & No. North Canton #12

County

API No.

Rig Name & No.

AFE/PO No. Non**EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)**

Oil Based Muds	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Cuttings	Washout Water (Non-Injectable)	Washout Water (Injectable)
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Cuttings	Produced Water (Non-Injectable)	Produced Water (Injectable)
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Tank Bottoms	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generation process of the waste)
E&P Contaminated Soil	Truck Washout (exempt waste)	<u>Contaminated</u>
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES**NON-EXEMPT E&P Waste/Service Identification and Amount**

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), ignitability, corrosivity and reactivity.

Non-Exempt Other

*please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS L - LIQUID Y - YARDS 12 E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

- ☐ EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's

Name Pexco TruckingAddress 326 S Thore StPhone No. 432 209 0208Driver's Name Markus graham

Print Name

Phone No.

Truck No. # 09

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE 1/29/90

DRIVER'S SIGNATURE

TRUCK TIME STAMP**DISPOSAL FACILITY****RECEIVING AREA**

IN: OUT:

Name/No. 5015

Site Name/

Permit No. Halfway Facility / NM1-006Address 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220Phone No. 575-393-1079

NORM READINGS TAKEN? (Circle one)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

PASS THE PAINT FILTER TEST? (Circle one)

YES

NO

TANK BOTTOMS

Feet

Inches

1st Gauge

2nd Gauge

Received

BS&W/BBLs Received

Free Water

Total Received

BS&W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

Company Man Contact Information

Name Pack Fouch

Phone No.

GENERATOR

NO. 429484

Operator No.

Operators Name Select Energy

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name & No. North Cowton #12

County

API No.

Rig Name & No. Non

AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Cuttings	Washout Water (Non-Injectable)	Washout Water (Injectable)
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Cuttings	Produced Water (Non-Injectable)	Produced Water (Injectable)
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Tank Bottoms	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generation process of the waste)
E&P Contaminated Soil	Truck Washout (exempt waste)	<u>Contaminated</u>
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), ignitability, corrosivity and reactivity.

Non-Exempt Other

*please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS L - LIQUID Y - YARDS 12 E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD:

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's

Name Reyes TruckingAddress 326 S Tholo StHobbs, NMPhone No. 505 209 0208Driver's Name Martin Gonzalez

Print Name

Phone No.

Truck No. # 08

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN:

OUT:

DISPOSAL FACILITY

RECEIVING AREA

Site Name/

Permit No. Halfway Facility / NM1-006Address 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220Phone No. 575-393-1079

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

PASS THE PAINT FILTER TEST? (Circle One)

YES

NO

TANK BOTTOMS

1st Gauge

2nd Gauge

Received

Feet

Inches

BS&W/BBLs Received

BS&W (%)

Free Water

Total Received

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

Company Man Contact Information

Name Rock Touch

Phone No. _____

GENERATORNO. **429483**

Operator No. _____

Operator's Name Select Energy

Address _____

City, State, Zip _____

Phone No. _____

Permit/RRC No. _____

Lease/Well _____

Name & No. North Cowton #12

County _____

API No. _____

Rig Name & No. Non

AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Cuttings	Washout Water (Non-Injectable)	Washout Water (Injectable)
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Cuttings	Produced Water (Non-Injectable)	Produced Water (Injectable)
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Tank Bottoms	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generation process of the waste)
E&P Contaminated Soil	Truck Washout (exempt waste)	<u>Contaminated</u>
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES**NON-EXEMPT E&P Waste/Service Identification and Amount**

All non-exempt E&P waste must be analyzed and be below the threshold limits for toxicity (TCLP), ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____

*please select from Non-Exempt Waste List on back

QUANTITY 1 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

- ☐ EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS NAME _____

DATE _____

SIGNATURE _____

TRANSPORTERTransporter's Name Hobbs TransportAddress 338 S 209 St

Phone No. _____

Driver's Name Mark

Print Name _____

Phone No. 408

Truck No. _____

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE _____

DRIVER'S SIGNATURE _____

DELIVERY DATE _____

DRIVER'S SIGNATURE _____

TRUCK TIME STAMP

IN: _____ OUT: _____

DISPOSAL FACILITY**RECEIVING AREA**Name/No. 5517

Site Name/

Permit No. Halfway Facility / NM1-006Address 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220Phone No. 575-393-1079

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

PASS THE PAINT FILTER TEST? (Circle One)

YES

NO

TANK BOTTOMS1st Gauge
2nd Gauge
Received

Feet

Inches

BS&W/BBLs Received
Free Water
Total Received

BS&W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why? _____

(NAME (PRINT))

DATE

TITLE

SIGNATURE

C-138

White - R360 ORIGINAL

Yellow - TRANSPORTER COPY

Pink - GENERATOR SITE COPY

Gold - RETURN TO GENERATOR

Version 1

587533

Invoice		SOLD TO		SHIP TO		ADDRESS		CITY, STATE, ZIP		CITY, STATE, ZIP		DATE	
Iron Horse		418 W. Ave C		Reyes Trucking		326 S. Thorp		Hobbs, NM 88240.		Hobbs, NM 88240.		01-22-20	
CUSTOMER ORDER NO.		SOLD BY		TERMS		F.O.B.		DATE		DATE		DATE	
UNIT-#06		UNIT-#06		UNIT-#06		UNIT-#06		UNIT-#06		UNIT-#06		UNIT-#06	
ORDERED	SHIPPED	DESCRIPTION		PRICE	UNIT	AMOUNT		AMOUNT		AMOUNT		AMOUNT	
		COMPANY= SELECT ENERGY											
		LEASE= NORTH COWTOWN #12											
		LOADS= 2											
		13 hrs											
		LUB MEDIANO											

88-115



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

Company Man Contact Information

Name Rick Fouch

Phone No.

GENERATORNO. 433736

Operator No.

Operator's Name

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name & No.

County

API No.

Rig Name & No.

AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)		
Oil Based Muds	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Cuttings	Washout Water (Non-Injectable)	Washout Water (Injectable)
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Cuttings	Produced Water (Non-Injectable)	Produced Water (Injectable)
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Tank Bottoms	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generation process of the waste)
E&P Contaminated Soil	Truck Washout (exempt waste)	<u>CONTAMINATE</u>
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analyzed and be below the threshold limits for toxicity (TCPL), ignitability, corrosivity, and reactivity.

Non-Exempt Other

*please select from Non-Exempt Waste List on back

QUANTITY 12 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

- ☐ EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENT'S NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name

Address

Phone No.

Driver's Name

Print Name

Phone No.

Truck No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP**DISPOSAL FACILITY****RECEIVING AREA**

IN:

OUT:

Name/No. 5061

Site Name/

Permit No.

Address

Phone No.

575-393-1079

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

PASS THE PAINT FILTER TEST? (Circle One)

YES

NO

TANK BOTTOMS

1st Gauge

2nd Gauge

Received

Feet

Inches

BS&W/BBLS Received

Free Water

Total Received

BS&W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

Company Man Contact Information

Name RICK FOUCH

Phone No.

GENERATORNO. 433764

Operator No.

Operator's Name

Address

City, State, Zip

Phone No.

Permit/RRC No.

Lease/Well

Name & No.

County

API No.

Rig Name & No.

AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)		
Oil Based Muds	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Cuttings	Washout Water (Non-Injectable)	Washout Water (Injectable)
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Cuttings	Produced Water (Non-Injectable)	Produced Water (Injectable)
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Tank Bottoms	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generation process of the waste)
E&P Contaminated Soil	Truck Washout (exempt waste)	<u>CONTAMINATE</u>
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analyzed and be below the threshold limits for toxicity (TCLP), ignitability, corrosivity and reactivity

Non-Exempt Other

*please select from Non-Exempt Waste List on back

QUANTITY 12 B - BARRELS L - LIQUID Y-YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

☐ RCRA EXEMPT:

Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

☐ RCRA NON-EXEMPT:

Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

☐ MSDS Information☐ RCRA Hazardous Waste Analysis☐ Other (Provide Description Below)☐ EMERGENCY NON-OILFIELD:

Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's

Name

Address

Phone No.

Driver's Name

Print Name

Phone No.

Truck No.

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

IN:

OUT:

DISPOSAL FACILITY**RECEIVING AREA**

Name/No.

Site Name/

Permit No.

Address

Phone No.

NORM READINGS TAKEN? (Circle One)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

PASS THE PAINT FILTER TEST? (Circle One)

YES

NO

TANK BOTTOMS

1st Gauge

2nd Gauge

Received

Feet

Inches

BS&W/BBLs Received

Free Water

Total Received

BS&W (%)

I hereby certify that the above load material has been (circle one):

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

ENERGY



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

Company Man Contact Information

Name RICK FOUGH

Phone No. _____

GENERATOR

NO. 433749

Operator No. _____

Operators Name SELECT ENERGY

Address _____

City, State, Zip _____

Phone No. _____

Permit/RRC No. _____

Lease/Well

Name & No. SELECT

County _____

API No. _____

Rig Name & No. NON

AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Cuttings	Washout Water (Non-Injectable)	Washout Water (Injectable)
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Cuttings	Produced Water (Non-Injectable)	Produced Water (Injectable)
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Tank Bottoms	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generation process of the waste)
E&P Contaminated Soil	Truck Washout (exempt waste)	<u>CONTAMINATE</u>
Gas Plant Waste		

WASTE GENERATION PROCESS: ☐ DRILLING ☐ COMPLETION ☐ PRODUCTION ☐ GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analyzed and be below the threshold limits for toxicity (TCLP), ignitability, corrosivity and reactivity.

Non-Exempt Other _____

*please select from Non-Exempt Waste List on back

QUANTITY 12 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1983 regulatory determination, the above described waste load is (Check the appropriate classification)

- ☒ RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- ☐ RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
- ☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

- ☐ EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's

Name REYES TRUCKING LLCAddress 326 S THORP STPhone No. HOBBES N.M. 88240

Driver's Name

Print Name ANTONIO R.Phone No. 432-209-02-08Truck No. #06

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____

OUT: _____

Name/No. _____

Site Name/

Permit No. Halfway Facility / NM1-006Address 5601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220Phone No. 575-393-1079

NORM READINGS TAKEN? (Circle one)

YES

NO

If YES, was reading > 50 micro roentgens? (circle one)

YES

NO

PASS THE PAINT FILTER TEST? (Circle one)

YES

NO

TANK BOTTOMS

1st Gauge

2nd Gauge

Received

Feet

Inches

BS&W/BBLs Received

Free Water

Total Received

BS&W (%)

I hereby certify that the above load material has been (circle one)

ACCEPTED

DENIED

If denied, why?

NAME (PRINT)

DATE

TITLE

SIGNATURE

609562

Invoice

SOLD TO		SHIP TO	
Iron Horse Serv. LLC		Galindos TRN #3	
ADDRESS		ADDRESS	
418 West Ave C		Hwy 418x1580	
CITY, STATE, ZIP		CITY, STATE, ZIP	
Lawryton NM		Denver CO 80232	
CUSTOMER ORDER NO		TERMS	
SOLD BY		DATE	
		1-22-20	

ORDERED	SHIPPED	DESCRIPTION	PRICE	UNIT	AMOUNT
		Company			
		Select Energy Serv			
		Lease:			
		North Cawntown #2			
		Hauled 3 Loads of Carbinated			
		Soil from location to R-360			
		Loads: Luis Medicine			
		13 for			

E-3000 2310



Permian Basin

Customer: SELECT ENERGY SERVICES
 Customer #: CRI5255
 Ordered by: RICK FOUCH
 AFE #:
 PO #:
 Manifest #: 429507
 Manif. Date: 1/22/2020
 Hauler: GALINDOS TRUCKING
 Driver: MIREYA
 Truck #: 3
 Card #
 Job Ref #

Ticket #: 700-1102978
 Bid #: Walk-in Bid
 Date: 1/22/2020
 Generator: SELECT ENERGY SERVICES
 Generator #:
 Well Ser. #: 999908
 Well Name: NORTH COWTOWN
 Well #: 2
 Field:
 Field #:
 Rig: NON-DRILLING
 County

Facility: CRI

Product / Service	Quantity Units										
Contaminated Soil (RCRA Exempt)	12.00 yards										
	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis.	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

- ☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

t6UJ9A)1CS2M

1/22/2020 10:52:54AM



Permian Basin

Customer: SELECT ENERGY SERVICES
 Customer #: CRI5255
 Ordered by: RICK FOUCH
 AFE #:
 PO #:
 Manifest #: 432798
 Manif. Date: 1/22/2020
 Hauler: GALINDOS TRUCKING
 Driver: MIREYA
 Truck #: 03
 Card #
 Job Ref #

Ticket #: 700-1103065
 Bid #: Walk-in Bid
 Date: 1/22/2020
 Generator: SELECT ENERGY SERVICES
 Generator #:
 Well Ser. #: 999908
 Well Name: NORTH COWTOWN
 Well #: 2
 Field:
 Field #:
 Rig: NON-DRILLING
 County

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

12.00 yards

Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

- ☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: SELECT ENERGY SERVICES
 Customer #: CRI5255
 Ordered by: RICK FOUCH
 AFE #:
 PO #:
 Manifest #: 432799
 Manif. Date: 1/22/2020
 Hauler: GALINDOS TRUCKING
 Driver: MIREYA
 Truck #: 3
 Card #
 Job Ref #

Ticket #: 700-1103130
 Bid #: Walk-in Bid
 Date: 1/22/2020
 Generator: SELECT ENERGY SERVICES
 Generator #:
 Well Ser. #: 999908
 Well Name: NORTH COWTOWN
 Well #: 2
 Field:
 Field #:
 Rig: NON-DRILLING
 County

Facility: CRI

Product / Service						Quantity Units					
Contaminated Soil (RCRA Exempt)						12.00 yards					
	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis.	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

- ☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

821986

Invoice

SOLD TO		SHIP TO	
Huron Horse Services LLC		Calinda's Trucking	
ADDRESS		ADDRESS	
418 West Ave C		HCR 4 Box 1580	
CITY, STATE, ZIP		CITY, STATE, ZIP	
Livingston NM 88269		Denver City TX 79325	
CUSTOMER ORDER NO.	SOLD BY	TERMS	DATE
	#4	F.O.B.	1-22-20

ORDERED	SHIPPED	DESCRIPTION	PRICE	UNIT	AMOUNT
		Company: Select Energy			
		Lease: North Country			
		Hauled 3 loads of Contaminated			
		Soil location TO R-360			
		Travel: 3			
		Hours: 13hr			
		Luis Medina			

12-13



Permian Basin

Customer: SELECT ENERGY SERVICES
 Customer #: CRI5255
 Ordered by: RICK FOUCH
 AFE #:
 PO #:
 Manifest #: 429311
 Manif. Date: 1/22/2020
 Hauler: GALINDOS TRUCKING
 Driver: RENE
 Truck #: 4
 Card #
 Job Ref #

Ticket #: 700-1103068
 Bid #: Walk-in Bid
 Date: 1/22/2020
 Generator: SELECT ENERGY SERVICES
 Generator #:
 Well Ser. #: 999908
 Well Name: NORTH COWTOWN
 Well #: 2
 Field:
 Field #:
 Rig: NON-DRILLING
 County

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

12.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis.	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
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Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: SELECT ENERGY SERVICES
 Customer #: CRI5255
 Ordered by: RICK FOUCH
 AFE #:
 PO #:
 Manifest #: 429318
 Manif. Date: 1/22/2020
 Hauler: GALINDOS TRUCKING
 Driver: RENE
 Truck #: 04
 Card #
 Job Ref #

Ticket #: 700-1103139
 Bid #: Walk-in Bid
 Date: 1/22/2020
 Generator: SELECT ENERGY SERVICES
 Generator #:
 Well Ser. #: 999908
 Well Name: NORTH COWTOWN
 Well #: 2
 Field:
 Field #:
 Rig: NON-DRILLING
 County

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

12.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

- ☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: SELECT ENERGY SERVICES
 Customer #: CRI5255
 Ordered by: RICK FOUCH
 AFE #:
 PO #:
 Manifest #: 429568
 Manif. Date: 1/22/2020
 Hauler: GALINDOS TRUCKING
 Driver: RENE
 Truck #: 4
 Card #
 Job Ref #

Ticket #: 700-1102985
 Bid #: Walk-in Bid
 Date: 1/22/2020
 Generator: SELECT ENERGY SERVICES
 Generator #:
 Well Ser. #: 999908
 Well Name: NORTH COWTOWN
 Well #: 2
 Field:
 Field #:
 Rig: NON-DRILLING
 County

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

12.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

Montana Trucking, LLC

1015 E. Broadway • Hobbs, NM 88240 • (575) 263-9630

B I L L T O	Iron Hourse Services LLC	CONTRACT NUMBER		FIELD ORDER NUMBER	343
	418 west AV-C	A.F.E. NUMBER		DATE	01/22/20
	Livingston N.M 88269	REQ. OR PURCHASE ORDER NUMBER		ORDERED BY	

DELIVERED FROM		TO			
LOCATION North Countown #2 Non Drill					WELL OR RIG NO.
TRUCK OR UNIT NO. 1	CAPACITY 12	AMOUNT HAULED	TIME OUT 6:00 PM	TIME IN	AM PM HOURS CHGD.
DELIVERED BY					
DESCRIPTION			☐ HR.	☐ BBL.	RATE
					AMOUNT
				Hrs.	
				bbls	
Contaminado Soil				#KCL	
				Disp	
Loads 111				Disp	
				Loads	
13 hrs				Yards	
				Other	
TOP GAUGE	BOTTOM GAUGE				
HIGHWAY MILES			TAX		
LOADED	UNLOADED		NET TOTAL		

TERMS: _____

AUTHORIZED BY:

OPERATOR OR DRIVER
Juan Araiza
 SUPERIOR PRINTING SERVICE, INC.

x Luis Medrano

Thank You



Permian Basin

Customer: SELECT ENERGY SERVICES
 Customer #: CRI5255
 Ordered by: RICK FOUCH
 AFE #:
 PO #:
 Manifest #: 433706
 Manif. Date: 1/22/2020
 Hauler: MONTANA TRUCKING, LLC
 Driver: JUAN
 Truck #: 01
 Card #
 Job Ref #

Ticket #: 700-1102961
 Bid #: Walk-in Bid
 Date: 1/22/2020
 Generator: SELECT ENERGY SERVICES
 Generator #:
 Well Ser. #: 999908
 Well Name: NORTH COWTOWN
 Well #: 2
 Field:
 Field #:
 Rig: NON-DRILLING
 County

Facility: CRI

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	12.00	yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

- ☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
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Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: SELECT ENERGY SERVICES
 Customer #: CRI5255
 Ordered by: RICK FOUCH
 AFE #:
 PO #:
 Manifest #: 432899
 Manif. Date: 1/22/2020
 Hauler: MONTANA TRUCKING, LLC
 Driver: JUAN
 Truck #: 01
 Card #
 Job Ref #

Ticket #: 700-1103149
 Bid #: Walk-in Bid
 Date: 1/22/2020
 Generator: SELECT ENERGY SERVICES
 Generator #:
 Well Ser. #: 999908
 Well Name: NORTH COWTOWN
 Well #: 2
 Field:
 Field #:
 Rig: NON-DRILLING
 County

Facility: CRI

Product / Service	Quantity Units									
Contaminated Soil (RCRA Exempt)	12.00 yards									
Lab Analysis	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil Weight
50/51	0.00	0.00	0.00	0.00	0					

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

- ☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
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Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: SELECT ENERGY SERVICES
 Customer #: CRI5255
 Ordered by: RICK FOUCH
 AFE #:
 PO #:
 Manifest #: 433705
 Manif. Date: 1/22/2020
 Hauler: MONTANA TRUCKING, LLC
 Driver: JUAN
 Truck #: 01
 Card #
 Job Ref #

Ticket #: 700-1103038
 Bid #: Walk-in Bid
 Date: 1/22/2020
 Generator: SELECT ENERGY SERVICES
 Generator #:
 Well Ser. #: 999908
 Well Name: NORTH COWTOWN
 Well #: 2
 Field:
 Field #:
 Rig: NON-DRILLING
 County

Facility: CRI

Product / Service						Quantity Units					
Contaminated Soil (RCRA Exempt)						12.00 yards					
	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis.	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

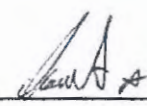
I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

- ☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
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☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!Approved By: 

Date: _____

1015 E. Broadway • Hobbs, NM 88240 • (575) 263-9630

DELIVERED FROM				TO			
LOCATION North Cowtown #12						WELL OR RIG NO.	
TRUCK OR UNIT NO. 3	CAPACITY 12 yds	AMOUNT HAULED	TIME OUT 6:00	AM PM	TIME IN	AM PM	HOURS CHGD.
DELIVERED BY							
DESCRIPTION			☐ HR.	☐ BBL.	RATE		AMOUNT
Contaminate soil				Hrs.			
				bbls			
Loads 111				#KCL			
				Disp			
				Disp			
13 hrs.				Loads			
				Yards			
				Other			
TOP GAUGE		BOTTOM GAUGE					
HIGHWAY MILES							
LOADED		UNLOADED					
TERMS:				NET TOTAL			

AUTHORIZED BY:

OPERATOR OR DRIVER
Jorge Marin
SUPERIOR PRINTING SERVICE, INC.

x Luis IV Mediano

Thank You



Permian Basin

Customer: SELECT ENERGY SERVICES
 Customer #: CRI5255
 Ordered by: RICK FOUCH
 AFE #:
 PO #:
 Manifest #: 433702
 Manif. Date: 1/22/2020
 Hauler: MONTANA TRUCKING, LLC
 Driver: JORGE
 Truck #: 03
 Card #
 Job Ref #

Ticket #: 700-1102942
 Bid #: Walk-in Bid
 Date: 1/22/2020
 Generator: SELECT ENERGY SERVICES
 Generator #:
 Well Ser. #: 999908
 Well Name: NORTH COWTOWN
 Well #: 2
 Field:
 Field #:
 Rig: NON-DRILLING
 County

Facility: CRI

Product / Service	Quantity Units									
Contaminated Soil (RCRA Exempt)	12.00 yards									
	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil Weight
Lab Analysis.	50/51	0.00	0.00	0.00	0					

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

- ☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
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Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: SELECT ENERGY SERVICES
 Customer #: CRI5255
 Ordered by: RICK FOUCH
 AFE #:
 PO #:
 Manifest #: 433703
 Manif. Date: 1/22/2020
 Hauler: MONTANA TRUCKING, LLC
 Driver: JORGE
 Truck #: 03
 Card #
 Job Ref #

Ticket #: 700-1103026
 Bid #: Walk-in Bid
 Date: 1/22/2020
 Generator: SELECT ENERGY SERVICES
 Generator #:
 Well Ser. #: 999908
 Well Name: NORTH COWTOWN
 Well #: 2
 Field:
 Field #:
 Rig: NON-DRILLING
 County

Facility: CRI

Product / Service	Quantity Units									
Contaminated Soil (RCRA Exempt)	12.00 yards									
	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil Weight
Lab Analysis.	50/51	0.00	0.00	0.00	0					

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

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Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



Permian Basin

Customer: SELECT ENERGY SERVICES
 Customer #: CRI5255
 Ordered by: RICK FOUCH
 AFE #:
 PO #:
 Manifest #: 433704
 Manif. Date: 1/22/2020
 Hauler: MONTANA TRUCKING, LLC
 Driver: JORGE
 Truck #: 03
 Card #
 Job Ref #

Ticket #: 700-1103152
 Bid #: Walk-in Bid
 Date: 1/22/2020
 Generator: SELECT ENERGY SERVICES
 Generator #:
 Well Ser. #: 999908
 Well Name: NORTH COWTOWN
 Well #: 2
 Field:
 Field #:
 Rig: NON-DRILLING
 County

Facility: CRI

Product / Service Quantity Units

Contaminated Soil (RCRA Exempt) 12.00 yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	50/51	0.00	0.00	0.00	0						

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

- ☒ RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
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☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

Appendix B
Laboratory Reports

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

Mark Larson
Larson & Associates, Inc.
P.O. Box 50685
Midland, TX 79710

Project: Select Energy Cowtown North

Project Number: 19-0179-02

Location: NM

Lab Order Number: 0C09003



NELAP/TCEQ # T104704516-17-8

Report Date: 03/16/20

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BF Sand 1	0C09003-07	Soil	03/06/20 12:01	03-09-2020 09:33
BF Sand 2	0C09003-08	Soil	03/06/20 12:02	03-09-2020 09:33
BF Sand 3	0C09003-09	Soil	03/06/20 12:03	03-09-2020 09:33
BF Sand 4	0C09003-10	Soil	03/06/20 12:04	03-09-2020 09:33
BF Sand 5	0C09003-11	Soil	03/06/20 12:05	03-09-2020 09:33
BF Sand 6	0C09003-12	Soil	03/06/20 12:06	03-09-2020 09:33

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowtown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

BF Sand 1
0C09003-07 (Soil)

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

Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00102	mg/kg dry	1	POC0907	03/09/20	03/09/20	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	POC0907	03/09/20	03/09/20	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	POC0907	03/09/20	03/09/20	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	POC0907	03/09/20	03/09/20	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	POC0907	03/09/20	03/09/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		101 %	75-125		POC0907	03/09/20	03/09/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		92.8 %	75-125		POC0907	03/09/20	03/09/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	8.62	1.02	mg/kg dry	1	POC0912	03/09/20	03/09/20	EPA 300.0	
% Moisture	2.0	0.1	%	1	POC1002	03/10/20	03/10/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.5	mg/kg dry	1	POC0909	03/09/20	03/10/20	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	POC0909	03/09/20	03/10/20	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	POC0909	03/09/20	03/10/20	TPH 8015M	
Surrogate: 1-Chlorooctane		102 %	70-130		POC0909	03/09/20	03/10/20	TPH 8015M	
Surrogate: o-Terphenyl		113 %	70-130		POC0909	03/09/20	03/10/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	03/09/20	03/10/20	calc	

Permian Basin Environmental Lab, L.P.

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

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

BF Sand 2
0C09003-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00104	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.3 %	75-125		P0C0907	03/09/20	03/09/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		101 %	75-125		P0C0907	03/09/20	03/09/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	7.51	1.04	mg/kg dry	1	P0C0912	03/09/20	03/09/20	EPA 300.0	
% Moisture	4.0	0.1	%	1	P0C1002	03/10/20	03/10/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.0	mg/kg dry	1	P0C0909	03/09/20	03/10/20	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P0C0909	03/09/20	03/10/20	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P0C0909	03/09/20	03/10/20	TPH 8015M	
Surrogate: 1-Chlorooctane		81.6 %	70-130		P0C0909	03/09/20	03/10/20	TPH 8015M	
Surrogate: o-Terphenyl		90.7 %	70-130		P0C0909	03/09/20	03/10/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	03/09/20	03/10/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowtown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

BF Sand 3
0C09003-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00104	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		99.7 %	75-125		P0C0907	03/09/20	03/09/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.2 %	75-125		P0C0907	03/09/20	03/09/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	8.09	1.04	mg/kg dry	1	P0C0912	03/09/20	03/09/20	EPA 300.0	
% Moisture	4.0	0.1	%	1	P0C1002	03/10/20	03/10/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.0	mg/kg dry	1	P0C0909	03/09/20	03/10/20	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P0C0909	03/09/20	03/10/20	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P0C0909	03/09/20	03/10/20	TPH 8015M	
Surrogate: 1-Chlorooctane		92.4 %	70-130		P0C0909	03/09/20	03/10/20	TPH 8015M	
Surrogate: o-Terphenyl		102 %	70-130		P0C0909	03/09/20	03/10/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	03/09/20	03/10/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowtown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

BF Sand 4
0C09003-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00105	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		101 %	75-125		P0C0907	03/09/20	03/09/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		93.8 %	75-125		P0C0907	03/09/20	03/09/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	5.85	1.05	mg/kg dry	1	P0C0912	03/09/20	03/10/20	EPA 300.0	
% Moisture	5.0	0.1	%	1	P0C1002	03/10/20	03/10/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.3	mg/kg dry	1	P0C0909	03/09/20	03/10/20	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P0C0909	03/09/20	03/10/20	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P0C0909	03/09/20	03/10/20	TPH 8015M	
Surrogate: 1-Chlorooctane		108 %	70-130		P0C0909	03/09/20	03/10/20	TPH 8015M	
Surrogate: o-Terphenyl		119 %	70-130		P0C0909	03/09/20	03/10/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	03/09/20	03/10/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowtown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

BF Sand 5
0C09003-11 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00104	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		93.6 %	75-125		P0C0907	03/09/20	03/09/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		99.1 %	75-125		P0C0907	03/09/20	03/09/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	9.59	1.04	mg/kg dry	1	P0C0912	03/09/20	03/10/20	EPA 300.0	
% Moisture	4.0	0.1	%	1	P0C1002	03/10/20	03/10/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.0	mg/kg dry	1	P0C0909	03/09/20	03/10/20	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P0C0909	03/09/20	03/10/20	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P0C0909	03/09/20	03/10/20	TPH 8015M	
Surrogate: 1-Chlorooctane		99.8 %	70-130		P0C0909	03/09/20	03/10/20	TPH 8015M	
Surrogate: o-Terphenyl		111 %	70-130		P0C0909	03/09/20	03/10/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	03/09/20	03/10/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowtown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

BF Sand 6
0C09003-12 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00103	mg/kg dry	1	P0C0908	03/09/20	03/10/20	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P0C0908	03/09/20	03/10/20	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P0C0908	03/09/20	03/10/20	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P0C0908	03/09/20	03/10/20	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P0C0908	03/09/20	03/10/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		98.8 %	75-125		P0C0908	03/09/20	03/10/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		92.9 %	75-125		P0C0908	03/09/20	03/10/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	5.21	1.03	mg/kg dry	1	P0C0912	03/09/20	03/10/20	EPA 300.0	
% Moisture	3.0	0.1	%	1	P0C1002	03/10/20	03/10/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.8	mg/kg dry	1	P0C0910	03/09/20	03/10/20	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P0C0910	03/09/20	03/10/20	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P0C0910	03/09/20	03/10/20	TPH 8015M	
Surrogate: 1-Chlorooctane		114 %	70-130		P0C0910	03/09/20	03/10/20	TPH 8015M	
Surrogate: o-Terphenyl		124 %	70-130		P0C0910	03/09/20	03/10/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	03/09/20	03/10/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0C0907 - General Preparation (GC)

Blank (P0C0907-BLK1)

Prepared & Analyzed: 03/09/20

Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.117		"	0.120		97.1	75-125			
Surrogate: 1,4-Difluorobenzene	0.110		"	0.120		91.4	75-125			

LCS (P0C0907-BS1)

Prepared & Analyzed: 03/09/20

Benzene	0.114	0.00100	mg/kg wet	0.100		114	70-130			
Toluene	0.113	0.00100	"	0.100		113	70-130			
Ethylbenzene	0.118	0.00100	"	0.100		118	70-130			
Xylene (p/m)	0.237	0.00200	"	0.200		119	70-130			
Xylene (o)	0.117	0.00100	"	0.100		117	70-130			
Surrogate: 4-Bromofluorobenzene	0.116		"	0.120		96.7	75-125			
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		95.8	75-125			

LCS Dup (P0C0907-BSD1)

Prepared & Analyzed: 03/09/20

Benzene	0.110	0.00100	mg/kg wet	0.100		110	70-130	3.17	20	
Toluene	0.109	0.00100	"	0.100		109	70-130	3.79	20	
Ethylbenzene	0.113	0.00100	"	0.100		113	70-130	4.05	20	
Xylene (p/m)	0.229	0.00200	"	0.200		115	70-130	3.29	20	
Xylene (o)	0.116	0.00100	"	0.100		116	70-130	0.858	20	
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		95.3	75-125			
Surrogate: 4-Bromofluorobenzene	0.121		"	0.120		101	75-125			

Calibration Blank (P0C0907-CCB1)

Prepared & Analyzed: 03/09/20

Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.115		"	0.120		95.9	75-125			
Surrogate: 1,4-Difluorobenzene	0.110		"	0.120		91.7	75-125			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0C0907 - General Preparation (GC)

Calibration Blank (P0C0907-CCB2)

Prepared & Analyzed: 03/09/20

Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.113		"	0.120		94.3	75-125			
Surrogate: 4-Bromofluorobenzene	0.121		"	0.120		101	75-125			

Calibration Blank (P0C0907-CCB3)

Prepared: 03/09/20 Analyzed: 03/10/20

Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.117		"	0.120		97.3	75-125			
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.8	75-125			

Calibration Check (P0C0907-CCV1)

Prepared & Analyzed: 03/09/20

Benzene	0.107	0.00100	mg/kg wet	0.100		107	80-120			
Toluene	0.106	0.00100	"	0.100		106	80-120			
Ethylbenzene	0.109	0.00100	"	0.100		109	80-120			
Xylene (p/m)	0.214	0.00200	"	0.200		107	80-120			
Xylene (o)	0.107	0.00100	"	0.100		107	80-120			
Surrogate: 4-Bromofluorobenzene	0.113		"	0.120		94.5	75-125			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		95.3	75-125			

Calibration Check (P0C0907-CCV2)

Prepared & Analyzed: 03/09/20

Benzene	0.104	0.00100	mg/kg wet	0.100		104	80-120			
Toluene	0.103	0.00100	"	0.100		103	80-120			
Ethylbenzene	0.104	0.00100	"	0.100		104	80-120			
Xylene (p/m)	0.205	0.00200	"	0.200		103	80-120			
Xylene (o)	0.108	0.00100	"	0.100		108	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.0	75-125			
Surrogate: 4-Bromofluorobenzene	0.125		"	0.120		104	75-125			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0C0907 - General Preparation (GC)

Calibration Check (P0C0907-CCV3)

Prepared: 03/09/20 Analyzed: 03/10/20

Benzene	0.102	0.00100	mg/kg wet	0.100		102	80-120			
Toluene	0.101	0.00100	"	0.100		101	80-120			
Ethylbenzene	0.102	0.00100	"	0.100		102	80-120			
Xylene (p/m)	0.198	0.00200	"	0.200		99.1	80-120			
Xylene (o)	0.105	0.00100	"	0.100		105	80-120			
Surrogate: 4-Bromofluorobenzene	0.123		"	0.120		102	75-125			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.8	75-125			

Matrix Spike (P0C0907-MS1)

Source: 0C09002-01

Prepared & Analyzed: 03/09/20

Benzene	0.0877	0.00106	mg/kg dry	0.106	ND	82.5	80-120			
Toluene	0.0738	0.00106	"	0.106	ND	69.4	80-120			QM-07
Ethylbenzene	0.0942	0.00106	"	0.106	ND	88.6	80-120			
Xylene (p/m)	0.151	0.00213	"	0.213	ND	70.8	80-120			QM-07
Xylene (o)	0.0858	0.00106	"	0.106	ND	80.6	80-120			
Surrogate: 4-Bromofluorobenzene	0.132		"	0.128		103	75-125			
Surrogate: 1,4-Difluorobenzene	0.124		"	0.128		97.0	75-125			

Matrix Spike Dup (P0C0907-MSD1)

Source: 0C09002-01

Prepared: 03/09/20 Analyzed: 03/10/20

Benzene	0.0825	0.00106	mg/kg dry	0.106	ND	77.6	80-120	6.09	20	QM-07
Toluene	0.0599	0.00106	"	0.106	ND	56.3	80-120	20.8	20	QM-07
Ethylbenzene	0.0779	0.00106	"	0.106	ND	73.2	80-120	19.0	20	QM-07
Xylene (p/m)	0.129	0.00213	"	0.213	ND	60.8	80-120	15.2	20	QM-07
Xylene (o)	0.0811	0.00106	"	0.106	ND	76.3	80-120	5.54	20	QM-07
Surrogate: 4-Bromofluorobenzene	0.128		"	0.128		100	75-125			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.128		96.6	75-125			

Batch P0C0908 - General Preparation (GC)

Blank (P0C0908-BLK1)

Prepared: 03/09/20 Analyzed: 03/10/20

Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.117		"	0.120		97.5	75-125			
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.9	75-125			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0C0908 - General Preparation (GC)

LCS (P0C0908-BS1)

Prepared: 03/09/20 Analyzed: 03/10/20

Benzene	0.105	0.00100	mg/kg wet	0.100		105	70-130			
Toluene	0.103	0.00100	"	0.100		103	70-130			
Ethylbenzene	0.100	0.00100	"	0.100		100	70-130			
Xylene (p/m)	0.210	0.00200	"	0.200		105	70-130			
Xylene (o)	0.110	0.00100	"	0.100		110	70-130			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.1	75-125			
Surrogate: 4-Bromofluorobenzene	0.124		"	0.120		103	75-125			

LCS Dup (P0C0908-BSD1)

Prepared: 03/09/20 Analyzed: 03/10/20

Benzene	0.105	0.00100	mg/kg wet	0.100		105	70-130	0.0855	20	
Toluene	0.102	0.00100	"	0.100		102	70-130	0.770	20	
Ethylbenzene	0.103	0.00100	"	0.100		103	70-130	2.89	20	
Xylene (p/m)	0.205	0.00200	"	0.200		103	70-130	2.01	20	
Xylene (o)	0.109	0.00100	"	0.100		109	70-130	1.36	20	
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.7	75-125			
Surrogate: 4-Bromofluorobenzene	0.122		"	0.120		101	75-125			

Calibration Blank (P0C0908-CCB1)

Prepared: 03/09/20 Analyzed: 03/10/20

Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.117		"	0.120		97.3	75-125			
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.8	75-125			

Calibration Blank (P0C0908-CCB2)

Prepared: 03/09/20 Analyzed: 03/10/20

Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.119		"	0.120		99.0	75-125			
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.2	75-125			

Permian Basin Environmental Lab, L.P.

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Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0C0908 - General Preparation (GC)

Calibration Check (P0C0908-CCV1)

Prepared: 03/09/20 Analyzed: 03/10/20

Benzene	0.102	0.00100	mg/kg wet	0.100		102	80-120			
Toluene	0.101	0.00100	"	0.100		101	80-120			
Ethylbenzene	0.102	0.00100	"	0.100		102	80-120			
Xylene (p/m)	0.198	0.00200	"	0.200		99.1	80-120			
Xylene (o)	0.105	0.00100	"	0.100		105	80-120			
Surrogate: 4-Bromofluorobenzene	0.123		"	0.120		102	75-125			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.8	75-125			

Calibration Check (P0C0908-CCV2)

Prepared: 03/09/20 Analyzed: 03/10/20

Benzene	0.100	0.00100	mg/kg wet	0.100		100	80-120			
Toluene	0.0989	0.00100	"	0.100		98.9	80-120			
Ethylbenzene	0.0992	0.00100	"	0.100		99.2	80-120			
Xylene (p/m)	0.190	0.00200	"	0.200		95.2	80-120			
Xylene (o)	0.102	0.00100	"	0.100		102	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.7	75-125			
Surrogate: 4-Bromofluorobenzene	0.121		"	0.120		100	75-125			

Calibration Check (P0C0908-CCV3)

Prepared: 03/09/20 Analyzed: 03/10/20

Benzene	0.100	0.00100	mg/kg wet	0.100		100	80-120			
Toluene	0.0982	0.00100	"	0.100		98.2	80-120			
Ethylbenzene	0.101	0.00100	"	0.100		101	80-120			
Xylene (p/m)	0.192	0.00200	"	0.200		96.2	80-120			
Xylene (o)	0.104	0.00100	"	0.100		104	80-120			
Surrogate: 4-Bromofluorobenzene	0.125		"	0.120		104	75-125			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		97.0	75-125			

Matrix Spike (P0C0908-MS1)

Source: 0C09006-01

Prepared: 03/09/20 Analyzed: 03/10/20

Benzene	0.0790	0.00116	mg/kg dry	0.116	ND	67.9	80-120			QM-07
Toluene	0.0552	0.00116	"	0.116	ND	47.5	80-120			QM-07
Ethylbenzene	0.0440	0.00116	"	0.116	ND	37.8	80-120			QM-07
Xylene (p/m)	0.0669	0.00233	"	0.233	ND	28.8	80-120			QM-07
Xylene (o)	0.0419	0.00116	"	0.116	ND	36.0	80-120			QM-07
Surrogate: 4-Bromofluorobenzene	0.140		"	0.140		100	75-125			
Surrogate: 1,4-Difluorobenzene	0.137		"	0.140		98.4	75-125			

Permian Basin Environmental Lab, L.P.

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Larson & Associates, Inc.
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Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0C0908 - General Preparation (GC)

Matrix Spike Dup (P0C0908-MSD1)		Source: 0C09006-01		Prepared: 03/09/20		Analyzed: 03/10/20				
Benzene	0.0733	0.00116	mg/kg dry	0.116	ND	63.1	80-120	7.47	20	QM-07
Toluene	0.0460	0.00116	"	0.116	ND	39.6	80-120	18.3	20	QM-07
Ethylbenzene	0.0332	0.00116	"	0.116	ND	28.6	80-120	27.8	20	QM-07
Xylene (p/m)	0.0388	0.00233	"	0.233	ND	16.7	80-120	53.2	20	QM-07
Xylene (o)	0.0293	0.00116	"	0.116	ND	25.2	80-120	35.2	20	QM-07
Surrogate: 1,4-Difluorobenzene	0.137		"	0.140		98.4	75-125			
Surrogate: 4-Bromofluorobenzene	0.134		"	0.140		95.9	75-125			

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General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0C0912 - * DEFAULT PREP *****

LCS (P0C0912-BS1)				Prepared & Analyzed: 03/09/20						
Chloride	396	1.00	mg/kg wet	400		99.0	80-120			
LCS Dup (P0C0912-BSD1)				Prepared & Analyzed: 03/09/20						
Chloride	397	1.00	mg/kg wet	400		99.2	80-120	0.189	20	
Matrix Spike (P0C0912-MS1)				Source: 0C09001-01		Prepared & Analyzed: 03/09/20				
Chloride	4980	11.9	mg/kg dry	4760	295	98.5	80-120			
Matrix Spike (P0C0912-MS2)				Source: 0C09003-02		Prepared: 03/10/20 Analyzed: 03/09/20				
Chloride	16900	25.3	mg/kg dry	10100	1370	154	80-120			QM-07
Matrix Spike Dup (P0C0912-MSD1)				Source: 0C09001-01		Prepared & Analyzed: 03/09/20				
Chloride	4990	11.9	mg/kg dry	4760	295	98.7	80-120	0.220	20	

Batch P0C1002 - * DEFAULT PREP *****

Blank (P0C1002-BLK1)				Prepared & Analyzed: 03/10/20						
% Moisture	ND	0.1	%							
Duplicate (P0C1002-DUP1)				Source: 0C08004-04		Prepared & Analyzed: 03/10/20				
% Moisture	11.0	0.1	%		15.0			30.8	20	
Duplicate (P0C1002-DUP2)				Source: 0C09003-12		Prepared & Analyzed: 03/10/20				
% Moisture	3.0	0.1	%		3.0			0.00	20	
Duplicate (P0C1002-DUP3)				Source: 0C09006-10		Prepared & Analyzed: 03/10/20				
% Moisture	16.0	0.1	%		15.0			6.45	20	

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Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0C0909 - TX 1005

Blank (P0C0909-BLK1)

Prepared & Analyzed: 03/09/20

C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	107		"	100		107	70-130			
Surrogate: o-Terphenyl	56.5		"	50.0		113	70-130			

LCS (P0C0909-BS1)

Prepared & Analyzed: 03/09/20

C6-C12	974	25.0	mg/kg wet	1000		97.4	75-125			
>C12-C28	1000	25.0	"	1000		100	75-125			
Surrogate: 1-Chlorooctane	113		"	100		113	70-130			
Surrogate: o-Terphenyl	57.9		"	50.0		116	70-130			

LCS Dup (P0C0909-BSD1)

Prepared & Analyzed: 03/09/20

C6-C12	955	25.0	mg/kg wet	1000		95.5	75-125	1.95	20	
>C12-C28	982	25.0	"	1000		98.2	75-125	1.82	20	
Surrogate: 1-Chlorooctane	110		"	100		110	70-130			
Surrogate: o-Terphenyl	52.7		"	50.0		105	70-130			

Calibration Blank (P0C0909-CCB1)

Prepared & Analyzed: 03/09/20

C6-C12	16.4		mg/kg wet							
>C12-C28	6.41		"							
Surrogate: 1-Chlorooctane	109		"	100		109	70-130			
Surrogate: o-Terphenyl	57.6		"	50.0		115	70-130			

Calibration Blank (P0C0909-CCB2)

Prepared & Analyzed: 03/09/20

C6-C12	15.4		mg/kg wet							
>C12-C28	6.40		"							
Surrogate: 1-Chlorooctane	113		"	100		113	70-130			
Surrogate: o-Terphenyl	60.2		"	50.0		120	70-130			

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Project Manager: Mark Larson

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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0C0909 - TX 1005

Calibration Check (P0C0909-CCV1)

Prepared & Analyzed: 03/09/20

C6-C12	503	25.0	mg/kg wet	500		101	85-115			
>C12-C28	500	25.0	"	500		100	85-115			
Surrogate: 1-Chlorooctane	106		"	100		106	70-130			
Surrogate: o-Terphenyl	53.6		"	50.0		107	70-130			

Calibration Check (P0C0909-CCV2)

Prepared & Analyzed: 03/09/20

C6-C12	511	25.0	mg/kg wet	500		102	85-115			
>C12-C28	544	25.0	"	500		109	85-115			
Surrogate: 1-Chlorooctane	111		"	100		111	70-130			
Surrogate: o-Terphenyl	54.6		"	50.0		109	70-130			

Matrix Spike (P0C0909-MS1)

Source: 0C09003-11

Prepared: 03/09/20 Analyzed: 03/10/20

C6-C12	1090	26.0	mg/kg dry	1040	16.5	103	75-125			
>C12-C28	1130	26.0	"	1040	ND	108	75-125			
Surrogate: 1-Chlorooctane	116		"	104		112	70-130			
Surrogate: o-Terphenyl	54.9		"	52.1		105	70-130			

Matrix Spike Dup (P0C0909-MSD1)

Source: 0C09003-11

Prepared: 03/09/20 Analyzed: 03/10/20

C6-C12	1080	26.0	mg/kg dry	1040	16.5	102	75-125	0.727	20	
>C12-C28	1120	26.0	"	1040	ND	108	75-125	0.411	20	
Surrogate: 1-Chlorooctane	122		"	104		117	70-130			
Surrogate: o-Terphenyl	56.1		"	52.1		108	70-130			

Batch P0C0910 - TX 1005

Blank (P0C0910-BLK1)

Prepared: 03/09/20 Analyzed: 03/10/20

C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	109		"	100		109	70-130			
Surrogate: o-Terphenyl	57.7		"	50.0		115	70-130			

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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0C0910 - TX 1005

LCS (P0C0910-BS1)

Prepared: 03/09/20 Analyzed: 03/10/20

C6-C12	1020	25.0	mg/kg wet	1000		102	75-125			
>C12-C28	1070	25.0	"	1000		107	75-125			
Surrogate: 1-Chlorooctane	117		"	100		117	70-130			
Surrogate: o-Terphenyl	57.4		"	50.0		115	70-130			

LCS Dup (P0C0910-BSD1)

Prepared: 03/09/20 Analyzed: 03/10/20

C6-C12	1000	25.0	mg/kg wet	1000		100	75-125	1.44	20	
>C12-C28	1060	25.0	"	1000		106	75-125	1.05	20	
Surrogate: 1-Chlorooctane	120		"	100		120	70-130			
Surrogate: o-Terphenyl	56.8		"	50.0		114	70-130			

Calibration Blank (P0C0910-CCB1)

Prepared: 03/09/20 Analyzed: 03/10/20

C6-C12	15.5		mg/kg wet							
>C12-C28	3.58		"							
Surrogate: 1-Chlorooctane	112		"	100		112	70-130			
Surrogate: o-Terphenyl	59.5		"	50.0		119	70-130			

Calibration Blank (P0C0910-CCB2)

Prepared: 03/09/20 Analyzed: 03/10/20

C6-C12	18.2		mg/kg wet							
>C12-C28	5.01		"							
Surrogate: 1-Chlorooctane	113		"	100		113	70-130			
Surrogate: o-Terphenyl	59.8		"	50.0		120	70-130			

Calibration Check (P0C0910-CCV1)

Prepared: 03/09/20 Analyzed: 03/10/20

C6-C12	514	25.0	mg/kg wet	500		103	85-115			
>C12-C28	528	25.0	"	500		106	85-115			
Surrogate: 1-Chlorooctane	110		"	100		110	70-130			
Surrogate: o-Terphenyl	53.6		"	50.0		107	70-130			

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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0C0910 - TX 1005

Calibration Check (P0C0910-CCV2)

Prepared: 03/09/20 Analyzed: 03/10/20

C6-C12	517	25.0	mg/kg wet	500		103	85-115			
>C12-C28	541	25.0	"	500		108	85-115			
Surrogate: 1-Chlorooctane	111		"	100		111	70-130			
Surrogate: o-Terphenyl	54.2		"	50.0		108	70-130			

Calibration Check (P0C0910-CCV3)

Prepared: 03/09/20 Analyzed: 03/10/20

C6-C12	505	25.0	mg/kg wet	500		101	85-115			
>C12-C28	529	25.0	"	500		106	85-115			
Surrogate: 1-Chlorooctane	110		"	100		110	70-130			
Surrogate: o-Terphenyl	54.5		"	50.0		109	70-130			

Matrix Spike (P0C0910-MS1)

Source: 0C09003-12

Prepared: 03/09/20 Analyzed: 03/10/20

C6-C12	490	25.8	mg/kg dry	1030	14.7	46.1	75-125			QM-06
>C12-C28	455	25.8	"	1030	ND	44.2	75-125			QM-06
Surrogate: 1-Chlorooctane	63.4		"	103		61.5	70-130			S-GC1
Surrogate: o-Terphenyl	27.7		"	51.5		53.8	70-130			S-GC1

Matrix Spike Dup (P0C0910-MSD1)

Source: 0C09003-12

Prepared: 03/09/20 Analyzed: 03/10/20

C6-C12	652	25.8	mg/kg dry	1030	14.7	61.8	75-125	29.2	20	QM-06
>C12-C28	648	25.8	"	1030	ND	62.9	75-125	34.9	20	QM-06
Surrogate: 1-Chlorooctane	80.4		"	103		77.9	70-130			
Surrogate: o-Terphenyl	33.8		"	51.5		65.6	70-130			S-GC

Permian Basin Environmental Lab, L.P.

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Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

Notes and Definitions

S-GC1 Surrogate recovery outside of control limits. A second analysis confirmed the original results..

S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

ROI Received on Ice

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

QM-06 Due to noted non-homogeneity of the QC sample matrix, the MS/MSD did not provide reliable results for accuracy and precision. Sample results for the QC batch were accepted based on LCS/LCSD percent recoveries and RPD values.

BULK Samples received in Bulk soil containers

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

3/16/2020

Brent Barron, Laboratory Director/Technical Director

Larson & Associates, Inc.

Project: Select Energy Cowntown North

Fax: (432) 687-0456

P.O. Box 50685

Project Number: 19-0179-02

Midland TX, 79710

Project Manager: Mark Larson

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Larson &
ssociates, Inc.
Environmental Consultants

DATE: 3/9/2020

PAGE 1 OF 1

PO#:

LAB WORK ORDER#: 0009003

PROJECT LOCATION OR NAME: Castan North

LAI PROJECT #: 19-0179-02

COLLECTOR: RC

Data Reported to:

[illegible]

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

Mark Larson
Larson & Associates, Inc.
P.O. Box 50685
Midland, TX 79710

Project: Select Energy Cowtown North

Project Number: 19-0179-02

Location:

Lab Order Number: 0A24006



[PBELAB Certification information](#)

Report Date: 01/30/20

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowtown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
C-1,2'	0A24006-01	Soil	01/23/20 10:42	01-24-2020 09:42
C-2,2'	0A24006-02	Soil	01/23/20 10:43	01-24-2020 09:42
C-3,2'	0A24006-03	Soil	01/23/20 10:45	01-24-2020 09:42
C-4,2'	0A24006-04	Soil	01/23/20 10:47	01-24-2020 09:42
C-5,2'	0A24006-05	Soil	01/23/20 10:48	01-24-2020 09:42
C-6,2'	0A24006-06	Soil	01/23/20 10:49	01-24-2020 09:42
C-7,2'	0A24006-07	Soil	01/23/20 10:50	01-24-2020 09:42
C-8,2'	0A24006-08	Soil	01/23/20 10:51	01-24-2020 09:42
C-9,2'	0A24006-09	Soil	01/23/20 10:52	01-24-2020 09:42
C-10,2'	0A24006-10	Soil	01/23/20 10:53	01-24-2020 09:42
C-11,2'	0A24006-11	Soil	01/23/20 10:54	01-24-2020 09:42
C-12,2'	0A24006-12	Soil	01/23/20 10:55	01-24-2020 09:42
C-13,2'	0A24006-13	Soil	01/23/20 10:56	01-24-2020 09:42
C-14,2'	0A24006-14	Soil	01/23/20 10:57	01-24-2020 09:42
C-15,2'	0A24006-15	Soil	01/23/20 10:58	01-24-2020 09:42
C-16,2'	0A24006-16	Soil	01/23/20 10:59	01-24-2020 09:42
C-17,2'	0A24006-17	Soil	01/23/20 11:00	01-24-2020 09:42
C-18,2'	0A24006-18	Soil	01/23/20 11:01	01-24-2020 09:42
C-19,2'	0A24006-19	Soil	01/23/20 11:02	01-24-2020 09:42
C-20,2'	0A24006-20	Soil	01/23/20 11:03	01-24-2020 09:42
C-21,2'	0A24006-21	Soil	01/23/20 11:04	01-24-2020 09:42
C-22,2'	0A24006-22	Soil	01/23/20 11:05	01-24-2020 09:42
C-23,2'	0A24006-23	Soil	01/23/20 11:06	01-24-2020 09:42
C-24,2'	0A24006-24	Soil	01/23/20 11:07	01-24-2020 09:42
C-25,2'	0A24006-25	Soil	01/23/20 11:08	01-24-2020 09:42
C-26,2'	0A24006-26	Soil	01/23/20 11:09	01-24-2020 09:42
C-27,2'	0A24006-27	Soil	01/23/20 11:10	01-24-2020 09:42
C-28,2'	0A24006-28	Soil	01/23/20 11:11	01-24-2020 09:42
C-29,2'	0A24006-29	Soil	01/23/20 11:13	01-24-2020 09:42
C-30,2'	0A24006-30	Soil	01/23/20 11:14	01-24-2020 09:42
C-31,2'	0A24006-31	Soil	01/23/20 11:16	01-24-2020 09:42
C-32,2'	0A24006-32	Soil	01/23/20 11:17	01-24-2020 09:42
C-33,2'	0A24006-33	Soil	01/23/20 11:18	01-24-2020 09:42
C-34,2'	0A24006-34	Soil	01/23/20 11:19	01-24-2020 09:42

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowtown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
C-35,2'	0A24006-35	Soil	01/23/20 11:21	01-24-2020 09:42
C-36,4'	0A24006-36	Soil	01/23/20 11:22	01-24-2020 09:42
C-37,4'	0A24006-37	Soil	01/23/20 11:23	01-24-2020 09:42
C-38,4'	0A24006-38	Soil	01/23/20 11:25	01-24-2020 09:42
C-39,4'	0A24006-39	Soil	01/23/20 11:25	01-24-2020 09:42
C-40,4'	0A24006-40	Soil	01/23/20 11:26	01-24-2020 09:42
C-41,4'	0A24006-41	Soil	01/23/20 11:28	01-24-2020 09:42
C-42,4'	0A24006-42	Soil	01/23/20 11:30	01-24-2020 09:42
C-43,4'	0A24006-43	Soil	01/23/20 11:31	01-24-2020 09:42
C-44,4'	0A24006-44	Soil	01/23/20 11:32	01-24-2020 09:42
C-45,4'	0A24006-45	Soil	01/23/20 11:33	01-24-2020 09:42
C-46,4'	0A24006-46	Soil	01/23/20 11:34	01-24-2020 09:42
C-47,4'	0A24006-47	Soil	01/23/20 11:35	01-24-2020 09:42
C-48,4'	0A24006-48	Soil	01/23/20 11:36	01-24-2020 09:42
C-49,4'	0A24006-49	Soil	01/23/20 11:37	01-24-2020 09:42
C-50,4'	0A24006-50	Soil	01/23/20 11:38	01-24-2020 09:42
C-51,4'	0A24006-51	Soil	01/23/20 11:39	01-24-2020 09:42
C-52,4'	0A24006-52	Soil	01/23/20 11:40	01-24-2020 09:42
C-53,4'	0A24006-53	Soil	01/23/20 11:41	01-24-2020 09:42

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowtown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

C-1,2'
0A24006-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00105	mg/kg dry	1	P0A2404	01/24/20	01/24/20	EPA 8021B
Toluene	ND	0.00105	mg/kg dry	1	P0A2404	01/24/20	01/24/20	EPA 8021B
Ethylbenzene	ND	0.00105	mg/kg dry	1	P0A2404	01/24/20	01/24/20	EPA 8021B
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P0A2404	01/24/20	01/24/20	EPA 8021B
Xylene (o)	ND	0.00105	mg/kg dry	1	P0A2404	01/24/20	01/24/20	EPA 8021B
Surrogate: 4-Bromofluorobenzene		100 %	75-125		P0A2404	01/24/20	01/24/20	EPA 8021B
Surrogate: 1,4-Difluorobenzene		100 %	75-125		P0A2404	01/24/20	01/24/20	EPA 8021B

General Chemistry Parameters by EPA / Standard Methods

Chloride	18.2	1.05	mg/kg dry	1	P0A2715	01/27/20	01/28/20	EPA 300.0
% Moisture	5.0	0.1	%	1	P0A2703	01/27/20	01/27/20	ASTM D2216

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.3	mg/kg dry	1	P0A2405	01/24/20	01/24/20	TPH 8015M
>C12-C28	ND	26.3	mg/kg dry	1	P0A2405	01/24/20	01/24/20	TPH 8015M
>C28-C35	ND	26.3	mg/kg dry	1	P0A2405	01/24/20	01/24/20	TPH 8015M
Surrogate: 1-Chlorooctane		104 %	70-130		P0A2405	01/24/20	01/24/20	TPH 8015M
Surrogate: o-Terphenyl		119 %	70-130		P0A2405	01/24/20	01/24/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	01/24/20	01/24/20	calc

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

C-2,2'

0A24006-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00103	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		100 %	75-125		P0A2410	01/24/20	01/26/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		103 %	75-125		P0A2410	01/24/20	01/26/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	86.2	1.03	mg/kg dry	1	P0A2715	01/27/20	01/28/20	EPA 300.0	
% Moisture	3.0	0.1	%	1	P0A2703	01/27/20	01/27/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.8	mg/kg dry	1	P0A2405	01/24/20	01/24/20	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P0A2405	01/24/20	01/24/20	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P0A2405	01/24/20	01/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		97.8 %	70-130		P0A2405	01/24/20	01/24/20	TPH 8015M	
Surrogate: o-Terphenyl		110 %	70-130		P0A2405	01/24/20	01/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	01/24/20	01/24/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowtown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

C-3,2'

0A24006-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00105	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	75-125		P0A2410	01/24/20	01/26/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		103 %	75-125		P0A2410	01/24/20	01/26/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	192	1.05	mg/kg dry	1	P0A2715	01/27/20	01/28/20	EPA 300.0	
% Moisture	5.0	0.1	%	1	P0A2703	01/27/20	01/27/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.3	mg/kg dry	1	P0A2405	01/24/20	01/24/20	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P0A2405	01/24/20	01/24/20	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P0A2405	01/24/20	01/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		97.7 %	70-130		P0A2405	01/24/20	01/24/20	TPH 8015M	
Surrogate: o-Terphenyl		111 %	70-130		P0A2405	01/24/20	01/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	01/24/20	01/24/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

C-4,2'

0A24006-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00106	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		104 %	75-125		P0A2410	01/24/20	01/26/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		103 %	75-125		P0A2410	01/24/20	01/26/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	58.9	1.06	mg/kg dry	1	P0A2715	01/27/20	01/28/20	EPA 300.0	
% Moisture	6.0	0.1	%	1	P0A2703	01/27/20	01/27/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.6	mg/kg dry	1	P0A2405	01/24/20	01/24/20	TPH 8015M	
>C12-C28	ND	26.6	mg/kg dry	1	P0A2405	01/24/20	01/24/20	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	P0A2405	01/24/20	01/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		97.0 %	70-130		P0A2405	01/24/20	01/24/20	TPH 8015M	
Surrogate: o-Terphenyl		110 %	70-130		P0A2405	01/24/20	01/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	01/24/20	01/24/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowtown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

C-5,2'

0A24006-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00109	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Toluene	ND	0.00109	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Ethylbenzene	ND	0.00109	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Xylene (p/m)	ND	0.00217	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Xylene (o)	ND	0.00109	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		102 %	75-125		P0A2410	01/24/20	01/26/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		102 %	75-125		P0A2410	01/24/20	01/26/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	19.1	1.09	mg/kg dry	1	P0A2715	01/27/20	01/28/20	EPA 300.0	
% Moisture	8.0	0.1	%	1	P0A2703	01/27/20	01/27/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.2	mg/kg dry	1	P0A2405	01/24/20	01/24/20	TPH 8015M	
>C12-C28	ND	27.2	mg/kg dry	1	P0A2405	01/24/20	01/24/20	TPH 8015M	
>C28-C35	ND	27.2	mg/kg dry	1	P0A2405	01/24/20	01/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		91.2 %	70-130		P0A2405	01/24/20	01/24/20	TPH 8015M	
Surrogate: o-Terphenyl		103 %	70-130		P0A2405	01/24/20	01/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.2	mg/kg dry	1	[CALC]	01/24/20	01/24/20	calc	

Permian Basin Environmental Lab, L.P.

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

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowtown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

C-6,2'

0A24006-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00104	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		102 %	75-125		P0A2410	01/24/20	01/26/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		107 %	75-125		P0A2410	01/24/20	01/26/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	1080	5.21	mg/kg dry	5	P0A2716	01/27/20	01/28/20	EPA 300.0	
% Moisture	4.0	0.1	%	1	P0A2703	01/27/20	01/27/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.0	mg/kg dry	1	P0A2405	01/24/20	01/24/20	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P0A2405	01/24/20	01/24/20	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P0A2405	01/24/20	01/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		103 %	70-130		P0A2405	01/24/20	01/24/20	TPH 8015M	
Surrogate: o-Terphenyl		114 %	70-130		P0A2405	01/24/20	01/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	01/24/20	01/24/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

C-7,2'

0A24006-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00103	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	75-125		P0A2410	01/24/20	01/26/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		102 %	75-125		P0A2410	01/24/20	01/26/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	77.6	1.03	mg/kg dry	1	P0A2716	01/27/20	01/28/20	EPA 300.0	
% Moisture	3.0	0.1	%	1	P0A2703	01/27/20	01/27/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.8	mg/kg dry	1	P0A2405	01/24/20	01/24/20	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P0A2405	01/24/20	01/24/20	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P0A2405	01/24/20	01/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		103 %	70-130		P0A2405	01/24/20	01/24/20	TPH 8015M	
Surrogate: o-Terphenyl		116 %	70-130		P0A2405	01/24/20	01/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	01/24/20	01/24/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowtown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

C-8,2'

0A24006-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00103	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		100 %	75-125		P0A2410	01/24/20	01/26/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		105 %	75-125		P0A2410	01/24/20	01/26/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	17.4	1.03	mg/kg dry	1	P0A2716	01/27/20	01/28/20	EPA 300.0	
% Moisture	4.0	0.1	%	1	P0A2703	01/27/20	01/27/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.8	mg/kg dry	1	P0A2405	01/24/20	01/24/20	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P0A2405	01/24/20	01/24/20	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P0A2405	01/24/20	01/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		102 %	70-130		P0A2405	01/24/20	01/24/20	TPH 8015M	
Surrogate: o-Terphenyl		112 %	70-130		P0A2405	01/24/20	01/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	01/24/20	01/24/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowtown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

C-9,2'

0A24006-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00110	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Toluene	ND	0.00110	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Ethylbenzene	ND	0.00110	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Xylene (p/m)	ND	0.00220	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Xylene (o)	ND	0.00110	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		102 %	75-125		P0A2410	01/24/20	01/26/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		106 %	75-125		P0A2410	01/24/20	01/26/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	27.3	1.10	mg/kg dry	1	P0A2716	01/27/20	01/28/20	EPA 300.0	
% Moisture	9.0	0.1	%	1	P0A2703	01/27/20	01/27/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.5	mg/kg dry	1	P0A2405	01/24/20	01/24/20	TPH 8015M	
>C12-C28	ND	27.5	mg/kg dry	1	P0A2405	01/24/20	01/24/20	TPH 8015M	
>C28-C35	ND	27.5	mg/kg dry	1	P0A2405	01/24/20	01/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		89.7 %	70-130		P0A2405	01/24/20	01/24/20	TPH 8015M	
Surrogate: o-Terphenyl		99.9 %	70-130		P0A2405	01/24/20	01/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.5	mg/kg dry	1	[CALC]	01/24/20	01/24/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

C-10,2'

0A24006-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00103	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		105 %	75-125		P0A2410	01/24/20	01/26/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	75-125		P0A2410	01/24/20	01/26/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	17.0	1.03	mg/kg dry	1	P0A2716	01/27/20	01/28/20	EPA 300.0	
% Moisture	3.0	0.1	%	1	P0A2703	01/27/20	01/27/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.8	mg/kg dry	1	P0A2405	01/24/20	01/24/20	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P0A2405	01/24/20	01/24/20	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P0A2405	01/24/20	01/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		103 %	70-130		P0A2405	01/24/20	01/24/20	TPH 8015M	
Surrogate: o-Terphenyl		116 %	70-130		P0A2405	01/24/20	01/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	01/24/20	01/24/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowtown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

C-11,2'

0A24006-11 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00103	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		102 %	75-125		P0A2410	01/24/20	01/26/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		107 %	75-125		P0A2410	01/24/20	01/26/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	22.8	1.03	mg/kg dry	1	P0A2716	01/27/20	01/28/20	EPA 300.0	
% Moisture	3.0	0.1	%	1	P0A2703	01/27/20	01/27/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.8	mg/kg dry	1	P0A2405	01/24/20	01/24/20	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P0A2405	01/24/20	01/24/20	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P0A2405	01/24/20	01/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		105 %	70-130		P0A2405	01/24/20	01/24/20	TPH 8015M	
Surrogate: o-Terphenyl		115 %	70-130		P0A2405	01/24/20	01/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	01/24/20	01/24/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

C-12,2'
0A24006-12 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00103	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	75-125		P0A2410	01/24/20	01/26/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		105 %	75-125		P0A2410	01/24/20	01/26/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	10.8	1.03	mg/kg dry	1	P0A2716	01/27/20	01/28/20	EPA 300.0	
% Moisture	3.0	0.1	%	1	P0A2703	01/27/20	01/27/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.8	mg/kg dry	1	P0A2405	01/24/20	01/24/20	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P0A2405	01/24/20	01/24/20	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P0A2405	01/24/20	01/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		103 %	70-130		P0A2405	01/24/20	01/24/20	TPH 8015M	
Surrogate: o-Terphenyl		115 %	70-130		P0A2405	01/24/20	01/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	01/24/20	01/24/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

C-13,2'

0A24006-13 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00109	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Toluene	ND	0.00109	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Ethylbenzene	ND	0.00109	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Xylene (p/m)	ND	0.00217	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Xylene (o)	ND	0.00109	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	75-125		P0A2410	01/24/20	01/26/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		105 %	75-125		P0A2410	01/24/20	01/26/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	35.4	1.09	mg/kg dry	1	P0A2716	01/27/20	01/28/20	EPA 300.0	
% Moisture	8.0	0.1	%	1	P0A2703	01/27/20	01/27/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.2	mg/kg dry	1	P0A2405	01/24/20	01/24/20	TPH 8015M	
>C12-C28	ND	27.2	mg/kg dry	1	P0A2405	01/24/20	01/24/20	TPH 8015M	
>C28-C35	ND	27.2	mg/kg dry	1	P0A2405	01/24/20	01/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		97.0 %	70-130		P0A2405	01/24/20	01/24/20	TPH 8015M	
Surrogate: o-Terphenyl		107 %	70-130		P0A2405	01/24/20	01/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.2	mg/kg dry	1	[CALC]	01/24/20	01/24/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

C-14,2'

0A24006-14 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00112	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Toluene	ND	0.00112	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Ethylbenzene	ND	0.00112	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Xylene (p/m)	ND	0.00225	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Xylene (o)	ND	0.00112	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		102 %	75-125		P0A2410	01/24/20	01/26/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		106 %	75-125		P0A2410	01/24/20	01/26/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	14.0	1.12	mg/kg dry	1	P0A2716	01/27/20	01/28/20	EPA 300.0	
% Moisture	11.0	0.1	%	1	P0A2703	01/27/20	01/27/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.1	mg/kg dry	1	P0A2405	01/24/20	01/24/20	TPH 8015M	
>C12-C28	ND	28.1	mg/kg dry	1	P0A2405	01/24/20	01/24/20	TPH 8015M	
>C28-C35	ND	28.1	mg/kg dry	1	P0A2405	01/24/20	01/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		99.5 %	70-130		P0A2405	01/24/20	01/24/20	TPH 8015M	
Surrogate: o-Terphenyl		111 %	70-130		P0A2405	01/24/20	01/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	28.1	mg/kg dry	1	[CALC]	01/24/20	01/24/20	calc	

Permian Basin Environmental Lab, L.P.

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

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

C-15,2'
0A24006-15 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00102	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		102 %	75-125		P0A2410	01/24/20	01/26/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		103 %	75-125		P0A2410	01/24/20	01/26/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	16.8	1.02	mg/kg dry	1	P0A2716	01/27/20	01/28/20	EPA 300.0	
% Moisture	2.0	0.1	%	1	P0A2703	01/27/20	01/27/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.5	mg/kg dry	1	P0A2405	01/24/20	01/24/20	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P0A2405	01/24/20	01/24/20	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P0A2405	01/24/20	01/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		110 %	70-130		P0A2405	01/24/20	01/24/20	TPH 8015M	
Surrogate: o-Terphenyl		124 %	70-130		P0A2405	01/24/20	01/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	01/24/20	01/24/20	calc	

Permian Basin Environmental Lab, L.P.

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

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

C-16,2'

0A24006-16 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00104	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		104 %	75-125		P0A2410	01/24/20	01/26/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		106 %	75-125		P0A2410	01/24/20	01/26/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	10.4	1.04	mg/kg dry	1	P0A2716	01/27/20	01/28/20	EPA 300.0	
% Moisture	4.0	0.1	%	1	P0A2703	01/27/20	01/27/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.0	mg/kg dry	1	P0A2405	01/24/20	01/24/20	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P0A2405	01/24/20	01/24/20	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P0A2405	01/24/20	01/24/20	TPH 8015M	
Surrogate: 1-Chlorooctane		108 %	70-130		P0A2405	01/24/20	01/24/20	TPH 8015M	
Surrogate: o-Terphenyl		122 %	70-130		P0A2405	01/24/20	01/24/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	01/24/20	01/24/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

C-17,2'

0A24006-17 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00101	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		102 %	75-125		P0A2410	01/24/20	01/26/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		106 %	75-125		P0A2410	01/24/20	01/26/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	23.0	1.01	mg/kg dry	1	P0A2716	01/27/20	01/28/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0A2703	01/27/20	01/27/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.3	mg/kg dry	1	P0A2405	01/24/20	01/25/20	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P0A2405	01/24/20	01/25/20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0A2405	01/24/20	01/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		106 %	70-130		P0A2405	01/24/20	01/25/20	TPH 8015M	
Surrogate: o-Terphenyl		119 %	70-130		P0A2405	01/24/20	01/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	01/24/20	01/25/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

C-18,2'

0A24006-18 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00102	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		105 %	75-125		P0A2410	01/24/20	01/26/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		100 %	75-125		P0A2410	01/24/20	01/26/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	9.44	1.02	mg/kg dry	1	P0A2716	01/27/20	01/28/20	EPA 300.0	
% Moisture	2.0	0.1	%	1	P0A2703	01/27/20	01/27/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.5	mg/kg dry	1	P0A2405	01/24/20	01/25/20	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P0A2405	01/24/20	01/25/20	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P0A2405	01/24/20	01/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		110 %	70-130		P0A2405	01/24/20	01/25/20	TPH 8015M	
Surrogate: o-Terphenyl		123 %	70-130		P0A2405	01/24/20	01/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	01/24/20	01/25/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowtown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

C-19,2'
0A24006-19 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00102	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		106 %	75-125		P0A2410	01/24/20	01/26/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	75-125		P0A2410	01/24/20	01/26/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	13.7	1.02	mg/kg dry	1	P0A2716	01/27/20	01/28/20	EPA 300.0	
% Moisture	2.0	0.1	%	1	P0A2703	01/27/20	01/27/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.5	mg/kg dry	1	P0A2405	01/24/20	01/25/20	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P0A2405	01/24/20	01/25/20	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P0A2405	01/24/20	01/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		106 %	70-130		P0A2405	01/24/20	01/25/20	TPH 8015M	
Surrogate: o-Terphenyl		119 %	70-130		P0A2405	01/24/20	01/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	01/24/20	01/25/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

C-20,2'

0A24006-20 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00101	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		105 %	75-125		P0A2410	01/24/20	01/26/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		102 %	75-125		P0A2410	01/24/20	01/26/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	12.5	1.01	mg/kg dry	1	P0A2716	01/27/20	01/28/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0A2703	01/27/20	01/27/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.3	mg/kg dry	1	P0A2405	01/24/20	01/25/20	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P0A2405	01/24/20	01/25/20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0A2405	01/24/20	01/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		107 %	70-130		P0A2405	01/24/20	01/25/20	TPH 8015M	
Surrogate: o-Terphenyl		120 %	70-130		P0A2405	01/24/20	01/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	01/24/20	01/25/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

C-21,2'

0A24006-21 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00102	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P0A2410	01/24/20	01/26/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		102 %	75-125		P0A2410	01/24/20	01/26/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		105 %	75-125		P0A2410	01/24/20	01/26/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	12.3	1.02	mg/kg dry	1	P0A2716	01/27/20	01/28/20	EPA 300.0	
% Moisture	2.0	0.1	%	1	P0A2703	01/27/20	01/27/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.5	mg/kg dry	1	P0A2406	01/24/20	01/25/20	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P0A2406	01/24/20	01/25/20	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P0A2406	01/24/20	01/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		85.2 %	70-130		P0A2406	01/24/20	01/25/20	TPH 8015M	
Surrogate: o-Terphenyl		100 %	70-130		P0A2406	01/24/20	01/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	01/24/20	01/25/20	calc	

Permian Basin Environmental Lab, L.P.

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

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

C-22,2'

0A24006-22 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00105	mg/kg dry	1	P0A2411	01/24/20	01/26/20	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P0A2411	01/24/20	01/26/20	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P0A2411	01/24/20	01/26/20	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P0A2411	01/24/20	01/26/20	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P0A2411	01/24/20	01/26/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		104 %	75-125		P0A2411	01/24/20	01/26/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	75-125		P0A2411	01/24/20	01/26/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	18.4	1.05	mg/kg dry	1	P0A2716	01/27/20	01/28/20	EPA 300.0	
% Moisture	5.0	0.1	%	1	P0A2703	01/27/20	01/27/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.3	mg/kg dry	1	P0A2406	01/24/20	01/25/20	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P0A2406	01/24/20	01/25/20	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P0A2406	01/24/20	01/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		101 %	70-130		P0A2406	01/24/20	01/25/20	TPH 8015M	
Surrogate: o-Terphenyl		119 %	70-130		P0A2406	01/24/20	01/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	01/24/20	01/25/20	calc	

Permian Basin Environmental Lab, L.P.

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

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowtown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

C-23,2'

0A24006-23 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00101	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		100 %	75-125		P0A2411	01/24/20	01/27/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		104 %	75-125		P0A2411	01/24/20	01/27/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	52.5	1.01	mg/kg dry	1	P0A2716	01/27/20	01/28/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0A2703	01/27/20	01/27/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.3	mg/kg dry	1	P0A2406	01/24/20	01/25/20	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P0A2406	01/24/20	01/25/20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0A2406	01/24/20	01/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		90.5 %	70-130		P0A2406	01/24/20	01/25/20	TPH 8015M	
Surrogate: o-Terphenyl		106 %	70-130		P0A2406	01/24/20	01/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	01/24/20	01/25/20	calc	

Permian Basin Environmental Lab, L.P.

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

1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowtown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

C-24,2'

0A24006-24 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00103	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	75-125		P0A2411	01/24/20	01/27/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		103 %	75-125		P0A2411	01/24/20	01/27/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	26.8	1.03	mg/kg dry	1	P0A2716	01/27/20	01/28/20	EPA 300.0	
% Moisture	3.0	0.1	%	1	P0A2703	01/27/20	01/27/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.8	mg/kg dry	1	P0A2406	01/24/20	01/25/20	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P0A2406	01/24/20	01/25/20	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P0A2406	01/24/20	01/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		98.6 %	70-130		P0A2406	01/24/20	01/25/20	TPH 8015M	
Surrogate: o-Terphenyl		117 %	70-130		P0A2406	01/24/20	01/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	01/24/20	01/25/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

C-25,2'
0A24006-25 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00104	mg/kg dry	1	P0A2411	01/24/20	01/28/20	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P0A2411	01/24/20	01/28/20	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P0A2411	01/24/20	01/28/20	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P0A2411	01/24/20	01/28/20	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P0A2411	01/24/20	01/28/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		99.1 %	75-125		P0A2411	01/24/20	01/28/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		102 %	75-125		P0A2411	01/24/20	01/28/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	29.5	1.04	mg/kg dry	1	P0A2716	01/27/20	01/28/20	EPA 300.0	
% Moisture	4.0	0.1	%	1	P0A2703	01/27/20	01/27/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.0	mg/kg dry	1	P0A2406	01/24/20	01/25/20	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P0A2406	01/24/20	01/25/20	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P0A2406	01/24/20	01/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		100 %	70-130		P0A2406	01/24/20	01/25/20	TPH 8015M	
Surrogate: o-Terphenyl		116 %	70-130		P0A2406	01/24/20	01/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	01/24/20	01/25/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

C-26,2'

0A24006-26 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00108	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		102 %	75-125		P0A2411	01/24/20	01/27/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		105 %	75-125		P0A2411	01/24/20	01/27/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	12.6	1.08	mg/kg dry	1	P0A2717	01/27/20	01/28/20	EPA 300.0	
% Moisture	7.0	0.1	%	1	P0A2703	01/27/20	01/27/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.9	mg/kg dry	1	P0A2406	01/24/20	01/25/20	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P0A2406	01/24/20	01/25/20	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P0A2406	01/24/20	01/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		99.9 %	70-130		P0A2406	01/24/20	01/25/20	TPH 8015M	
Surrogate: o-Terphenyl		117 %	70-130		P0A2406	01/24/20	01/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	01/24/20	01/25/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

C-27,2'

0A24006-27 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00101	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		98.9 %	75-125		P0A2411	01/24/20	01/27/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		108 %	75-125		P0A2411	01/24/20	01/27/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	25.6	1.01	mg/kg dry	1	P0A2717	01/27/20	01/28/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0A2703	01/27/20	01/27/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.3	mg/kg dry	1	P0A2406	01/24/20	01/25/20	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P0A2406	01/24/20	01/25/20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0A2406	01/24/20	01/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		94.3 %	70-130		P0A2406	01/24/20	01/25/20	TPH 8015M	
Surrogate: o-Terphenyl		110 %	70-130		P0A2406	01/24/20	01/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	01/24/20	01/25/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

C-28,2'

0A24006-28 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00102	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		102 %	75-125		P0A2411	01/24/20	01/27/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		104 %	75-125		P0A2411	01/24/20	01/27/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	25.7	1.02	mg/kg dry	1	P0A2717	01/27/20	01/28/20	EPA 300.0	
% Moisture	2.0	0.1	%	1	P0A2703	01/27/20	01/27/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.5	mg/kg dry	1	P0A2406	01/24/20	01/25/20	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P0A2406	01/24/20	01/25/20	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P0A2406	01/24/20	01/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		94.1 %	70-130		P0A2406	01/24/20	01/25/20	TPH 8015M	
Surrogate: o-Terphenyl		110 %	70-130		P0A2406	01/24/20	01/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	01/24/20	01/25/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

C-29,2'

0A24006-29 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00104	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	75-125		P0A2411	01/24/20	01/27/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		103 %	75-125		P0A2411	01/24/20	01/27/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	23.9	1.04	mg/kg dry	1	P0A2717	01/27/20	01/28/20	EPA 300.0	
% Moisture	4.0	0.1	%	1	P0A2703	01/27/20	01/27/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.0	mg/kg dry	1	P0A2406	01/24/20	01/25/20	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P0A2406	01/24/20	01/25/20	TPH 8015M	
>C28-C35	28.0	26.0	mg/kg dry	1	P0A2406	01/24/20	01/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		96.1 %	70-130		P0A2406	01/24/20	01/25/20	TPH 8015M	
Surrogate: o-Terphenyl		109 %	70-130		P0A2406	01/24/20	01/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	28.0	26.0	mg/kg dry	1	[CALC]	01/24/20	01/25/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

C-30,2'
0A24006-30 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00102	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	75-125		P0A2411	01/24/20	01/27/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		102 %	75-125		P0A2411	01/24/20	01/27/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	10.6	1.02	mg/kg dry	1	P0A2717	01/27/20	01/28/20	EPA 300.0	
% Moisture	2.0	0.1	%	1	P0A2703	01/27/20	01/27/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.5	mg/kg dry	1	P0A2406	01/24/20	01/25/20	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P0A2406	01/24/20	01/25/20	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P0A2406	01/24/20	01/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		101 %	70-130		P0A2406	01/24/20	01/25/20	TPH 8015M	
Surrogate: o-Terphenyl		119 %	70-130		P0A2406	01/24/20	01/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	01/24/20	01/25/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

C-31,2'
0A24006-31 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00102	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		102 %	75-125		P0A2411	01/24/20	01/27/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		100 %	75-125		P0A2411	01/24/20	01/27/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	88.3	1.02	mg/kg dry	1	P0A2717	01/27/20	01/28/20	EPA 300.0	
% Moisture	2.0	0.1	%	1	P0A2703	01/27/20	01/27/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.5	mg/kg dry	1	P0A2406	01/24/20	01/25/20	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P0A2406	01/24/20	01/25/20	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P0A2406	01/24/20	01/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		92.7 %	70-130		P0A2406	01/24/20	01/25/20	TPH 8015M	
Surrogate: o-Terphenyl		111 %	70-130		P0A2406	01/24/20	01/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	01/24/20	01/25/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

C-32,2'
0A24006-32 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00102	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	75-125		P0A2411	01/24/20	01/27/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		104 %	75-125		P0A2411	01/24/20	01/27/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	12.2	1.02	mg/kg dry	1	P0A2717	01/27/20	01/28/20	EPA 300.0	
% Moisture	2.0	0.1	%	1	P0A2703	01/27/20	01/27/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.5	mg/kg dry	1	P0A2406	01/24/20	01/25/20	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P0A2406	01/24/20	01/25/20	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P0A2406	01/24/20	01/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		95.2 %	70-130		P0A2406	01/24/20	01/25/20	TPH 8015M	
Surrogate: o-Terphenyl		111 %	70-130		P0A2406	01/24/20	01/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	01/24/20	01/25/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

C-33,2'

0A24006-33 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00104	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		104 %	75-125		P0A2411	01/24/20	01/27/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	75-125		P0A2411	01/24/20	01/27/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	12.1	1.04	mg/kg dry	1	P0A2717	01/27/20	01/28/20	EPA 300.0	
% Moisture	4.0	0.1	%	1	P0A2703	01/27/20	01/27/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.0	mg/kg dry	1	P0A2406	01/24/20	01/25/20	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P0A2406	01/24/20	01/25/20	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P0A2406	01/24/20	01/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		95.4 %	70-130		P0A2406	01/24/20	01/25/20	TPH 8015M	
Surrogate: o-Terphenyl		110 %	70-130		P0A2406	01/24/20	01/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	01/24/20	01/25/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowtown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

C-34,2'

0A24006-34 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00105	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		100 %	75-125		P0A2411	01/24/20	01/27/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		103 %	75-125		P0A2411	01/24/20	01/27/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	29.7	1.05	mg/kg dry	1	P0A2717	01/27/20	01/28/20	EPA 300.0	
% Moisture	5.0	0.1	%	1	P0A2703	01/27/20	01/27/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.3	mg/kg dry	1	P0A2406	01/24/20	01/25/20	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P0A2406	01/24/20	01/25/20	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P0A2406	01/24/20	01/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		89.0 %	70-130		P0A2406	01/24/20	01/25/20	TPH 8015M	
Surrogate: o-Terphenyl		102 %	70-130		P0A2406	01/24/20	01/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	01/24/20	01/25/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

C-35,2'

0A24006-35 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00102	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	75-125		P0A2411	01/24/20	01/27/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		104 %	75-125		P0A2411	01/24/20	01/27/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	30.4	1.02	mg/kg dry	1	P0A2717	01/27/20	01/28/20	EPA 300.0	
% Moisture	2.0	0.1	%	1	P0A2703	01/27/20	01/27/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.5	mg/kg dry	1	P0A2406	01/24/20	01/25/20	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P0A2406	01/24/20	01/25/20	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P0A2406	01/24/20	01/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		94.9 %	70-130		P0A2406	01/24/20	01/25/20	TPH 8015M	
Surrogate: o-Terphenyl		110 %	70-130		P0A2406	01/24/20	01/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	01/24/20	01/25/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

C-36,4'

0A24006-36 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00105	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	75-125		P0A2411	01/24/20	01/27/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		104 %	75-125		P0A2411	01/24/20	01/27/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	25.8	1.05	mg/kg dry	1	P0A2717	01/27/20	01/28/20	EPA 300.0	
% Moisture	5.0	0.1	%	1	P0A2703	01/27/20	01/27/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.3	mg/kg dry	1	P0A2406	01/24/20	01/25/20	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P0A2406	01/24/20	01/25/20	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P0A2406	01/24/20	01/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		103 %	70-130		P0A2406	01/24/20	01/25/20	TPH 8015M	
Surrogate: o-Terphenyl		118 %	70-130		P0A2406	01/24/20	01/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	01/24/20	01/25/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

C-37,4'

0A24006-37 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00105	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		100 %	75-125		P0A2411	01/24/20	01/27/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		104 %	75-125		P0A2411	01/24/20	01/27/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	231	1.05	mg/kg dry	1	P0A2717	01/27/20	01/28/20	EPA 300.0	
% Moisture	5.0	0.1	%	1	P0A2703	01/27/20	01/27/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.3	mg/kg dry	1	P0A2406	01/24/20	01/25/20	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P0A2406	01/24/20	01/25/20	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P0A2406	01/24/20	01/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		95.2 %	70-130		P0A2406	01/24/20	01/25/20	TPH 8015M	
Surrogate: o-Terphenyl		112 %	70-130		P0A2406	01/24/20	01/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	01/24/20	01/25/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

C-38,4'

0A24006-38 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00102	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		104 %	75-125		P0A2411	01/24/20	01/27/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		100 %	75-125		P0A2411	01/24/20	01/27/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	127	1.02	mg/kg dry	1	P0A2717	01/27/20	01/28/20	EPA 300.0	
% Moisture	2.0	0.1	%	1	P0A2703	01/27/20	01/27/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.5	mg/kg dry	1	P0A2406	01/24/20	01/25/20	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P0A2406	01/24/20	01/25/20	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P0A2406	01/24/20	01/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		93.1 %	70-130		P0A2406	01/24/20	01/25/20	TPH 8015M	
Surrogate: o-Terphenyl		108 %	70-130		P0A2406	01/24/20	01/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	01/24/20	01/25/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

C-39,4'

0A24006-39 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00108	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		99.6 %	75-125		P0A2411	01/24/20	01/27/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		104 %	75-125		P0A2411	01/24/20	01/27/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	24.6	1.08	mg/kg dry	1	P0A2717	01/27/20	01/28/20	EPA 300.0	
% Moisture	7.0	0.1	%	1	P0A2703	01/27/20	01/27/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.9	mg/kg dry	1	P0A2406	01/24/20	01/25/20	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P0A2406	01/24/20	01/25/20	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P0A2406	01/24/20	01/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		101 %	70-130		P0A2406	01/24/20	01/25/20	TPH 8015M	
Surrogate: o-Terphenyl		115 %	70-130		P0A2406	01/24/20	01/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	01/24/20	01/25/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

C-40,4'
0A24006-40 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00106	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		106 %	75-125		P0A2411	01/24/20	01/27/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	75-125		P0A2411	01/24/20	01/27/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	172	1.06	mg/kg dry	1	P0A2717	01/27/20	01/28/20	EPA 300.0	
% Moisture	6.0	0.1	%	1	P0A2703	01/27/20	01/27/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.6	mg/kg dry	1	P0A2406	01/24/20	01/25/20	TPH 8015M	
>C12-C28	37.4	26.6	mg/kg dry	1	P0A2406	01/24/20	01/25/20	TPH 8015M	
>C28-C35	32.4	26.6	mg/kg dry	1	P0A2406	01/24/20	01/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		97.5 %	70-130		P0A2406	01/24/20	01/25/20	TPH 8015M	
Surrogate: o-Terphenyl		112 %	70-130		P0A2406	01/24/20	01/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	69.8	26.6	mg/kg dry	1	[CALC]	01/24/20	01/25/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowtown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

C-41,4'
0A24006-41 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00105	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P0A2411	01/24/20	01/27/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		100 %	75-125		P0A2411	01/24/20	01/27/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		103 %	75-125		P0A2411	01/24/20	01/27/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	256	1.05	mg/kg dry	1	P0A2717	01/27/20	01/28/20	EPA 300.0	
% Moisture	5.0	0.1	%	1	P0A2703	01/27/20	01/27/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.3	mg/kg dry	1	P0A2407	01/24/20	01/25/20	TPH 8015M	
>C12-C28	39.1	26.3	mg/kg dry	1	P0A2407	01/24/20	01/25/20	TPH 8015M	
>C28-C35	26.4	26.3	mg/kg dry	1	P0A2407	01/24/20	01/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		104 %	70-130		P0A2407	01/24/20	01/25/20	TPH 8015M	
Surrogate: o-Terphenyl		119 %	70-130		P0A2407	01/24/20	01/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	65.5	26.3	mg/kg dry	1	[CALC]	01/24/20	01/25/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

C-42,4'

0A24006-42 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00105	mg/kg dry	1	P0A2707	01/27/20	01/27/20	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P0A2707	01/27/20	01/27/20	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P0A2707	01/27/20	01/27/20	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P0A2707	01/27/20	01/27/20	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P0A2707	01/27/20	01/27/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		102 %	75-125		P0A2707	01/27/20	01/27/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		105 %	75-125		P0A2707	01/27/20	01/27/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	445	1.05	mg/kg dry	1	P0A2717	01/27/20	01/28/20	EPA 300.0	
% Moisture	5.0	0.1	%	1	P0A2703	01/27/20	01/27/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.3	mg/kg dry	1	P0A2407	01/24/20	01/25/20	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P0A2407	01/24/20	01/25/20	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P0A2407	01/24/20	01/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		108 %	70-130		P0A2407	01/24/20	01/25/20	TPH 8015M	
Surrogate: o-Terphenyl		120 %	70-130		P0A2407	01/24/20	01/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	01/24/20	01/25/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

C-43,4'

0A24006-43 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00106	mg/kg dry	1	P0A2707	01/27/20	01/27/20	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	P0A2707	01/27/20	01/27/20	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P0A2707	01/27/20	01/27/20	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	P0A2707	01/27/20	01/27/20	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	P0A2707	01/27/20	01/27/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		107 %	75-125		P0A2707	01/27/20	01/27/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	75-125		P0A2707	01/27/20	01/27/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	116	1.06	mg/kg dry	1	P0A2717	01/27/20	01/28/20	EPA 300.0	
% Moisture	6.0	0.1	%	1	P0A2703	01/27/20	01/27/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.6	mg/kg dry	1	P0A2407	01/24/20	01/25/20	TPH 8015M	
>C12-C28	ND	26.6	mg/kg dry	1	P0A2407	01/24/20	01/25/20	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	P0A2407	01/24/20	01/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		98.6 %	70-130		P0A2407	01/24/20	01/25/20	TPH 8015M	
Surrogate: o-Terphenyl		113 %	70-130		P0A2407	01/24/20	01/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	01/24/20	01/25/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowtown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

C-44,4'

0A24006-44 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00109	mg/kg dry	1	P0A2707	01/27/20	01/27/20	EPA 8021B	
Toluene	ND	0.00109	mg/kg dry	1	P0A2707	01/27/20	01/27/20	EPA 8021B	
Ethylbenzene	ND	0.00109	mg/kg dry	1	P0A2707	01/27/20	01/27/20	EPA 8021B	
Xylene (p/m)	ND	0.00217	mg/kg dry	1	P0A2707	01/27/20	01/27/20	EPA 8021B	
Xylene (o)	ND	0.00109	mg/kg dry	1	P0A2707	01/27/20	01/27/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		104 %	75-125		P0A2707	01/27/20	01/27/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		102 %	75-125		P0A2707	01/27/20	01/27/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	10.5	1.09	mg/kg dry	1	P0A2717	01/27/20	01/28/20	EPA 300.0	
% Moisture	8.0	0.1	%	1	P0A2703	01/27/20	01/27/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.2	mg/kg dry	1	P0A2407	01/24/20	01/25/20	TPH 8015M	
>C12-C28	ND	27.2	mg/kg dry	1	P0A2407	01/24/20	01/25/20	TPH 8015M	
>C28-C35	ND	27.2	mg/kg dry	1	P0A2407	01/24/20	01/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		111 %	70-130		P0A2407	01/24/20	01/25/20	TPH 8015M	
Surrogate: o-Terphenyl		126 %	70-130		P0A2407	01/24/20	01/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.2	mg/kg dry	1	[CALC]	01/24/20	01/25/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowtown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

C-45,4'
0A24006-45 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00111	mg/kg dry	1	P0A2707	01/27/20	01/27/20	EPA 8021B	
Toluene	ND	0.00111	mg/kg dry	1	P0A2707	01/27/20	01/27/20	EPA 8021B	
Ethylbenzene	0.00219	0.00111	mg/kg dry	1	P0A2707	01/27/20	01/27/20	EPA 8021B	
Xylene (p/m)	0.0102	0.00222	mg/kg dry	1	P0A2707	01/27/20	01/27/20	EPA 8021B	
Xylene (o)	0.00248	0.00111	mg/kg dry	1	P0A2707	01/27/20	01/27/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		106 %	75-125		P0A2707	01/27/20	01/27/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		97.5 %	75-125		P0A2707	01/27/20	01/27/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	166	1.11	mg/kg dry	1	P0A2717	01/27/20	01/28/20	EPA 300.0	
% Moisture	10.0	0.1	%	1	P0A2703	01/27/20	01/27/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.8	mg/kg dry	1	P0A2407	01/24/20	01/25/20	TPH 8015M	
>C12-C28	44.4	27.8	mg/kg dry	1	P0A2407	01/24/20	01/25/20	TPH 8015M	
>C28-C35	36.9	27.8	mg/kg dry	1	P0A2407	01/24/20	01/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		103 %	70-130		P0A2407	01/24/20	01/25/20	TPH 8015M	
Surrogate: o-Terphenyl		119 %	70-130		P0A2407	01/24/20	01/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	81.3	27.8	mg/kg dry	1	[CALC]	01/24/20	01/25/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

C-46,4'

0A24006-46 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00106	mg/kg dry	1	P0A2707	01/27/20	01/27/20	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	P0A2707	01/27/20	01/27/20	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P0A2707	01/27/20	01/27/20	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	P0A2707	01/27/20	01/27/20	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	P0A2707	01/27/20	01/27/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		106 %	75-125		P0A2707	01/27/20	01/27/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		103 %	75-125		P0A2707	01/27/20	01/27/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	13.3	1.06	mg/kg dry	1	P0A2718	01/27/20	01/28/20	EPA 300.0	
% Moisture	6.0	0.1	%	1	P0A2703	01/27/20	01/27/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.6	mg/kg dry	1	P0A2407	01/24/20	01/25/20	TPH 8015M	
>C12-C28	32.2	26.6	mg/kg dry	1	P0A2407	01/24/20	01/25/20	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	P0A2407	01/24/20	01/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		102 %	70-130		P0A2407	01/24/20	01/25/20	TPH 8015M	
Surrogate: o-Terphenyl		118 %	70-130		P0A2407	01/24/20	01/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	32.2	26.6	mg/kg dry	1	[CALC]	01/24/20	01/25/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

C-47,4'

0A24006-47 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00105	mg/kg dry	1	P0A2707	01/27/20	01/27/20	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P0A2707	01/27/20	01/27/20	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P0A2707	01/27/20	01/27/20	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P0A2707	01/27/20	01/27/20	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P0A2707	01/27/20	01/27/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		105 %	75-125		P0A2707	01/27/20	01/27/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	75-125		P0A2707	01/27/20	01/27/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	70.7	1.05	mg/kg dry	1	P0A2718	01/27/20	01/28/20	EPA 300.0	
% Moisture	5.0	0.1	%	1	P0A2703	01/27/20	01/27/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.3	mg/kg dry	1	P0A2407	01/24/20	01/25/20	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P0A2407	01/24/20	01/25/20	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P0A2407	01/24/20	01/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		110 %	70-130		P0A2407	01/24/20	01/25/20	TPH 8015M	
Surrogate: o-Terphenyl		124 %	70-130		P0A2407	01/24/20	01/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	01/24/20	01/25/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowtown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

C-48,4'
0A24006-48 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00106	mg/kg dry	1	P0A2707	01/27/20	01/27/20	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	P0A2707	01/27/20	01/27/20	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P0A2707	01/27/20	01/27/20	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	P0A2707	01/27/20	01/27/20	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	P0A2707	01/27/20	01/27/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	75-125		P0A2707	01/27/20	01/27/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		105 %	75-125		P0A2707	01/27/20	01/27/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	45.6	1.06	mg/kg dry	1	P0A2718	01/27/20	01/28/20	EPA 300.0	
% Moisture	6.0	0.1	%	1	P0A2703	01/27/20	01/27/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.6	mg/kg dry	1	P0A2407	01/24/20	01/25/20	TPH 8015M	
>C12-C28	27.7	26.6	mg/kg dry	1	P0A2407	01/24/20	01/25/20	TPH 8015M	
>C28-C35	26.9	26.6	mg/kg dry	1	P0A2407	01/24/20	01/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		104 %	70-130		P0A2407	01/24/20	01/25/20	TPH 8015M	
Surrogate: o-Terphenyl		119 %	70-130		P0A2407	01/24/20	01/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	54.6	26.6	mg/kg dry	1	[CALC]	01/24/20	01/25/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

C-49,4'

0A24006-49 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00106	mg/kg dry	1	P0A2707	01/27/20	01/27/20	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	P0A2707	01/27/20	01/27/20	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P0A2707	01/27/20	01/27/20	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	P0A2707	01/27/20	01/27/20	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	P0A2707	01/27/20	01/27/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		105 %	75-125		P0A2707	01/27/20	01/27/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	75-125		P0A2707	01/27/20	01/27/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	40.9	1.06	mg/kg dry	1	P0A2718	01/27/20	01/28/20	EPA 300.0	
% Moisture	6.0	0.1	%	1	P0A2703	01/27/20	01/27/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.6	mg/kg dry	1	P0A2407	01/24/20	01/25/20	TPH 8015M	
>C12-C28	49.7	26.6	mg/kg dry	1	P0A2407	01/24/20	01/25/20	TPH 8015M	
>C28-C35	45.1	26.6	mg/kg dry	1	P0A2407	01/24/20	01/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		106 %	70-130		P0A2407	01/24/20	01/25/20	TPH 8015M	
Surrogate: o-Terphenyl		122 %	70-130		P0A2407	01/24/20	01/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	94.8	26.6	mg/kg dry	1	[CALC]	01/24/20	01/25/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

C-50,4'
0A24006-50 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00108	mg/kg dry	1	P0A2707	01/27/20	01/27/20	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P0A2707	01/27/20	01/27/20	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P0A2707	01/27/20	01/27/20	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P0A2707	01/27/20	01/27/20	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P0A2707	01/27/20	01/27/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		102 %	75-125		P0A2707	01/27/20	01/27/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		106 %	75-125		P0A2707	01/27/20	01/27/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	14.1	1.08	mg/kg dry	1	P0A2718	01/27/20	01/28/20	EPA 300.0	
% Moisture	7.0	0.1	%	1	P0A2703	01/27/20	01/27/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.9	mg/kg dry	1	P0A2407	01/24/20	01/25/20	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P0A2407	01/24/20	01/25/20	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P0A2407	01/24/20	01/25/20	TPH 8015M	
Surrogate: 1-Chlorooctane		112 %	70-130		P0A2407	01/24/20	01/25/20	TPH 8015M	
Surrogate: o-Terphenyl		127 %	70-130		P0A2407	01/24/20	01/25/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	01/24/20	01/25/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

C-51,4'
0A24006-51 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00109	mg/kg dry	1	P0A2707	01/27/20	01/27/20	EPA 8021B	
Toluene	ND	0.00109	mg/kg dry	1	P0A2707	01/27/20	01/27/20	EPA 8021B	
Ethylbenzene	ND	0.00109	mg/kg dry	1	P0A2707	01/27/20	01/27/20	EPA 8021B	
Xylene (p/m)	ND	0.00217	mg/kg dry	1	P0A2707	01/27/20	01/27/20	EPA 8021B	
Xylene (o)	ND	0.00109	mg/kg dry	1	P0A2707	01/27/20	01/27/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		107 %	75-125		P0A2707	01/27/20	01/27/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		102 %	75-125		P0A2707	01/27/20	01/27/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	15.9	1.09	mg/kg dry	1	P0A2718	01/27/20	01/28/20	EPA 300.0	
% Moisture	8.0	0.1	%	1	P0A2703	01/27/20	01/27/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.2	mg/kg dry	1	P0A2407	01/24/20	01/26/20	TPH 8015M	
>C12-C28	31.1	27.2	mg/kg dry	1	P0A2407	01/24/20	01/26/20	TPH 8015M	
>C28-C35	28.9	27.2	mg/kg dry	1	P0A2407	01/24/20	01/26/20	TPH 8015M	
Surrogate: 1-Chlorooctane		101 %	70-130		P0A2407	01/24/20	01/26/20	TPH 8015M	
Surrogate: o-Terphenyl		115 %	70-130		P0A2407	01/24/20	01/26/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	60.0	27.2	mg/kg dry	1	[CALC]	01/24/20	01/26/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

C-52,4'
0A24006-52 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00116	mg/kg dry	1	P0A2707	01/27/20	01/27/20	EPA 8021B	
Toluene	ND	0.00116	mg/kg dry	1	P0A2707	01/27/20	01/27/20	EPA 8021B	
Ethylbenzene	ND	0.00116	mg/kg dry	1	P0A2707	01/27/20	01/27/20	EPA 8021B	
Xylene (p/m)	ND	0.00233	mg/kg dry	1	P0A2707	01/27/20	01/27/20	EPA 8021B	
Xylene (o)	ND	0.00116	mg/kg dry	1	P0A2707	01/27/20	01/27/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		104 %	75-125		P0A2707	01/27/20	01/27/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		99.0 %	75-125		P0A2707	01/27/20	01/27/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	13.8	1.16	mg/kg dry	1	P0A2718	01/27/20	01/28/20	EPA 300.0	
% Moisture	14.0	0.1	%	1	P0A2703	01/27/20	01/27/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	29.1	mg/kg dry	1	P0A2407	01/24/20	01/26/20	TPH 8015M	
>C12-C28	ND	29.1	mg/kg dry	1	P0A2407	01/24/20	01/26/20	TPH 8015M	
>C28-C35	ND	29.1	mg/kg dry	1	P0A2407	01/24/20	01/26/20	TPH 8015M	
Surrogate: 1-Chlorooctane		101 %	70-130		P0A2407	01/24/20	01/26/20	TPH 8015M	
Surrogate: o-Terphenyl		114 %	70-130		P0A2407	01/24/20	01/26/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	29.1	mg/kg dry	1	[CALC]	01/24/20	01/26/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

C-53,4'
0A24006-53 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00108	mg/kg dry	1	P0A2707	01/27/20	01/27/20	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P0A2707	01/27/20	01/27/20	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P0A2707	01/27/20	01/27/20	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P0A2707	01/27/20	01/27/20	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P0A2707	01/27/20	01/27/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		105 %	75-125		P0A2707	01/27/20	01/27/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		100 %	75-125		P0A2707	01/27/20	01/27/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	15.0	1.08	mg/kg dry	1	P0A2718	01/27/20	01/28/20	EPA 300.0	
% Moisture	7.0	0.1	%	1	P0A2703	01/27/20	01/27/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.9	mg/kg dry	1	P0A2407	01/24/20	01/26/20	TPH 8015M	
>C12-C28	43.9	26.9	mg/kg dry	1	P0A2407	01/24/20	01/26/20	TPH 8015M	
>C28-C35	46.6	26.9	mg/kg dry	1	P0A2407	01/24/20	01/26/20	TPH 8015M	
Surrogate: 1-Chlorooctane		106 %	70-130		P0A2407	01/24/20	01/26/20	TPH 8015M	
Surrogate: o-Terphenyl		122 %	70-130		P0A2407	01/24/20	01/26/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	90.5	26.9	mg/kg dry	1	[CALC]	01/24/20	01/26/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0A2404 - General Preparation (GC)

Blank (P0A2404-BLK1)

Prepared & Analyzed: 01/24/20

Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.0	75-125			
Surrogate: 4-Bromofluorobenzene	0.122		"	0.120		102	75-125			

LCS (P0A2404-BS1)

Prepared & Analyzed: 01/24/20

Benzene	0.100	0.00100	mg/kg wet	0.100		100	70-130			
Toluene	0.105	0.00100	"	0.100		105	70-130			
Ethylbenzene	0.100	0.00100	"	0.100		100	70-130			
Xylene (p/m)	0.225	0.00200	"	0.200		112	70-130			
Xylene (o)	0.108	0.00100	"	0.100		108	70-130			
Surrogate: 1,4-Difluorobenzene	0.124		"	0.120		104	75-125			
Surrogate: 4-Bromofluorobenzene	0.123		"	0.120		102	75-125			

LCS Dup (P0A2404-BSD1)

Prepared & Analyzed: 01/24/20

Benzene	0.111	0.00100	mg/kg wet	0.100		111	70-130	10.4	20	
Toluene	0.116	0.00100	"	0.100		116	70-130	9.69	20	
Ethylbenzene	0.108	0.00100	"	0.100		108	70-130	6.96	20	
Xylene (p/m)	0.226	0.00200	"	0.200		113	70-130	0.537	20	
Xylene (o)	0.109	0.00100	"	0.100		109	70-130	1.03	20	
Surrogate: 1,4-Difluorobenzene	0.124		"	0.120		103	75-125			
Surrogate: 4-Bromofluorobenzene	0.125		"	0.120		104	75-125			

Calibration Blank (P0A2404-CCB1)

Prepared & Analyzed: 01/24/20

Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		99.7	75-125			
Surrogate: 4-Bromofluorobenzene	0.122		"	0.120		101	75-125			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0A2404 - General Preparation (GC)

Calibration Blank (P0A2404-CCB2)

Prepared & Analyzed: 01/24/20

Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	75-125			
Surrogate: 4-Bromofluorobenzene	0.123		"	0.120		102	75-125			

Calibration Blank (P0A2404-CCB3)

Prepared & Analyzed: 01/24/20

Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		100	75-125			
Surrogate: 4-Bromofluorobenzene	0.124		"	0.120		104	75-125			

Calibration Check (P0A2404-CCV1)

Prepared & Analyzed: 01/24/20

Benzene	0.106	0.00100	mg/kg wet	0.100		106	80-120			
Toluene	0.104	0.00100	"	0.100		104	80-120			
Ethylbenzene	0.105	0.00100	"	0.100		105	80-120			
Xylene (p/m)	0.222	0.00200	"	0.200		111	80-120			
Xylene (o)	0.113	0.00100	"	0.100		113	80-120			
Surrogate: 4-Bromofluorobenzene	0.123		"	0.120		102	75-125			
Surrogate: 1,4-Difluorobenzene	0.124		"	0.120		103	75-125			

Calibration Check (P0A2404-CCV2)

Prepared & Analyzed: 01/24/20

Benzene	0.104	0.00100	mg/kg wet	0.100		104	80-120			
Toluene	0.107	0.00100	"	0.100		107	80-120			
Ethylbenzene	0.111	0.00100	"	0.100		111	80-120			
Xylene (p/m)	0.219	0.00200	"	0.200		109	80-120			
Xylene (o)	0.117	0.00100	"	0.100		117	80-120			
Surrogate: 1,4-Difluorobenzene	0.127		"	0.120		106	75-125			
Surrogate: 4-Bromofluorobenzene	0.129		"	0.120		107	75-125			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowtown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0A2404 - General Preparation (GC)

Calibration Check (P0A2404-CCV3)

Prepared & Analyzed: 01/24/20

Benzene	0.109	0.00100	mg/kg wet	0.100		109	80-120			
Toluene	0.112	0.00100	"	0.100		112	80-120			
Ethylbenzene	0.117	0.00100	"	0.100		117	80-120			
Xylene (p/m)	0.228	0.00200	"	0.200		114	80-120			
Xylene (o)	0.106	0.00100	"	0.100		106	80-120			
Surrogate: 1,4-Difluorobenzene	0.127		"	0.120		105	75-125			
Surrogate: 4-Bromofluorobenzene	0.118		"	0.120		98.0	75-125			

Matrix Spike (P0A2404-MS1)

Source: 0A24001-01

Prepared & Analyzed: 01/24/20

Benzene	0.0983	0.00112	mg/kg dry	0.112	ND	87.5	80-120			
Toluene	0.127	0.00112	"	0.112	0.0213	94.2	80-120			
Ethylbenzene	0.193	0.00112	"	0.112	0.0559	122	80-120			QM-07
Xylene (p/m)	0.438	0.00225	"	0.225	0.195	108	80-120			
Xylene (o)	0.192	0.00112	"	0.112	0.0797	99.9	80-120			
Surrogate: 1,4-Difluorobenzene	0.137		"	0.135		102	75-125			
Surrogate: 4-Bromofluorobenzene	0.226		"	0.135		168	75-125			S-GC

Matrix Spike Dup (P0A2404-MSD1)

Source: 0A24001-01

Prepared & Analyzed: 01/24/20

Benzene	0.0924	0.00112	mg/kg dry	0.112	ND	82.2	80-120	6.17	20	
Toluene	0.102	0.00112	"	0.112	0.0213	71.6	80-120	27.3	20	QM-07
Ethylbenzene	0.134	0.00112	"	0.112	0.0559	69.1	80-120	55.0	20	QM-07
Xylene (p/m)	0.274	0.00225	"	0.225	0.195	35.2	80-120	102	20	QM-07
Xylene (o)	0.160	0.00112	"	0.112	0.0797	71.0	80-120	33.8	20	QM-07
Surrogate: 1,4-Difluorobenzene	0.133		"	0.135		98.4	75-125			
Surrogate: 4-Bromofluorobenzene	0.173		"	0.135		128	75-125			S-GC

Batch P0A2410 - General Preparation (GC)

Blank (P0A2410-BLK1)

Prepared & Analyzed: 01/24/20

Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.4	75-125			
Surrogate: 4-Bromofluorobenzene	0.122		"	0.120		102	75-125			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0A2410 - General Preparation (GC)

LCS (P0A2410-BS1)

Prepared & Analyzed: 01/24/20

Benzene	0.0990	0.00100	mg/kg wet	0.100		99.0	70-130			
Toluene	0.102	0.00100	"	0.100		102	70-130			
Ethylbenzene	0.101	0.00100	"	0.100		101	70-130			
Xylene (p/m)	0.213	0.00200	"	0.200		107	70-130			
Xylene (o)	0.111	0.00100	"	0.100		111	70-130			
Surrogate: 1,4-Difluorobenzene	0.124		"	0.120		104	75-125			
Surrogate: 4-Bromofluorobenzene	0.125		"	0.120		104	75-125			

LCS Dup (P0A2410-BSD1)

Prepared & Analyzed: 01/24/20

Benzene	0.110	0.00100	mg/kg wet	0.100		110	70-130	10.3	20	
Toluene	0.114	0.00100	"	0.100		114	70-130	11.6	20	
Ethylbenzene	0.107	0.00100	"	0.100		107	70-130	5.54	20	
Xylene (p/m)	0.238	0.00200	"	0.200		119	70-130	11.0	20	
Xylene (o)	0.112	0.00100	"	0.100		112	70-130	0.439	20	
Surrogate: 1,4-Difluorobenzene	0.126		"	0.120		105	75-125			
Surrogate: 4-Bromofluorobenzene	0.125		"	0.120		104	75-125			

Calibration Blank (P0A2410-CCB1)

Prepared & Analyzed: 01/24/20

Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.124		"	0.120		104	75-125			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		100	75-125			

Calibration Blank (P0A2410-CCB2)

Prepared: 01/24/20 Analyzed: 01/26/20

Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.119		"	0.120		99.3	75-125			
Surrogate: 4-Bromofluorobenzene	0.124		"	0.120		103	75-125			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0A2410 - General Preparation (GC)

Calibration Blank (P0A2410-CCB3)

Prepared: 01/24/20 Analyzed: 01/26/20

Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.124		"	0.120		103	75-125			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.5	75-125			

Calibration Check (P0A2410-CCV1)

Prepared & Analyzed: 01/24/20

Benzene	0.109	0.00100	mg/kg wet	0.100		109	80-120			
Toluene	0.112	0.00100	"	0.100		112	80-120			
Ethylbenzene	0.117	0.00100	"	0.100		117	80-120			
Xylene (p/m)	0.228	0.00200	"	0.200		114	80-120			
Xylene (o)	0.106	0.00100	"	0.100		106	80-120			
Surrogate: 1,4-Difluorobenzene	0.127		"	0.120		105	75-125			
Surrogate: 4-Bromofluorobenzene	0.118		"	0.120		98.0	75-125			

Calibration Check (P0A2410-CCV2)

Prepared: 01/24/20 Analyzed: 01/26/20

Benzene	0.0964	0.00100	mg/kg wet	0.100		96.4	80-120			
Toluene	0.0975	0.00100	"	0.100		97.5	80-120			
Ethylbenzene	0.0956	0.00100	"	0.100		95.6	80-120			
Xylene (p/m)	0.196	0.00200	"	0.200		97.8	80-120			
Xylene (o)	0.105	0.00100	"	0.100		105	80-120			
Surrogate: 1,4-Difluorobenzene	0.126		"	0.120		105	75-125			
Surrogate: 4-Bromofluorobenzene	0.130		"	0.120		109	75-125			

Calibration Check (P0A2410-CCV3)

Prepared: 01/24/20 Analyzed: 01/26/20

Benzene	0.0945	0.00100	mg/kg wet	0.100		94.5	80-120			
Toluene	0.0943	0.00100	"	0.100		94.3	80-120			
Ethylbenzene	0.0934	0.00100	"	0.100		93.4	80-120			
Xylene (p/m)	0.188	0.00200	"	0.200		94.0	80-120			
Xylene (o)	0.103	0.00100	"	0.100		103	80-120			
Surrogate: 4-Bromofluorobenzene	0.128		"	0.120		107	75-125			
Surrogate: 1,4-Difluorobenzene	0.126		"	0.120		105	75-125			

Permian Basin Environmental Lab, L.P.

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Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0A2410 - General Preparation (GC)

Matrix Spike (P0A2410-MS1)		Source: 0A24006-02		Prepared: 01/24/20		Analyzed: 01/26/20				
Benzene	0.0216	0.00103	mg/kg dry	0.103	ND	20.9	80-120			QM-07
Toluene	0.0348	0.00103	"	0.103	ND	33.7	80-120			QM-07
Ethylbenzene	0.0684	0.00103	"	0.103	ND	66.3	80-120			QM-07
Xylene (p/m)	0.111	0.00206	"	0.206	ND	53.8	80-120			QM-07
Xylene (o)	0.0641	0.00103	"	0.103	ND	62.1	80-120			QM-07
Surrogate: 4-Bromofluorobenzene	0.136		"	0.124		110	75-125			
Surrogate: 1,4-Difluorobenzene	0.128		"	0.124		104	75-125			

Matrix Spike Dup (P0A2410-MSD1)		Source: 0A24006-02		Prepared: 01/24/20		Analyzed: 01/26/20				
Benzene	0.0316	0.00103	mg/kg dry	0.103	ND	30.7	80-120	37.8	20	QM-07
Toluene	0.0508	0.00103	"	0.103	ND	49.3	80-120	37.5	20	QM-07
Ethylbenzene	0.0901	0.00103	"	0.103	ND	87.4	80-120	27.4	20	QM-07
Xylene (p/m)	0.149	0.00206	"	0.206	ND	72.4	80-120	29.4	20	QM-07
Xylene (o)	0.0845	0.00103	"	0.103	ND	82.0	80-120	27.6	20	QM-07
Surrogate: 4-Bromofluorobenzene	0.137		"	0.124		111	75-125			
Surrogate: 1,4-Difluorobenzene	0.127		"	0.124		102	75-125			

Batch P0A2411 - General Preparation (GC)

Blank (P0A2411-BLK1)				Prepared: 01/24/20		Analyzed: 01/26/20				
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.122		"	0.120		102	75-125			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.7	75-125			

Permian Basin Environmental Lab, L.P.

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Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

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Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch P0A2411 - General Preparation (GC)

LCS (P0A2411-BS1)		Prepared: 01/24/20 Analyzed: 01/26/20							
Benzene	0.106	0.00100	mg/kg wet	0.100	106	70-130			
Toluene	0.107	0.00100	"	0.100	107	70-130			
Ethylbenzene	0.107	0.00100	"	0.100	107	70-130			
Xylene (p/m)	0.217	0.00200	"	0.200	108	70-130			
Xylene (o)	0.114	0.00100	"	0.100	114	70-130			
Surrogate: 4-Bromofluorobenzene	0.127		"	0.120	106	75-125			
Surrogate: 1,4-Difluorobenzene	0.125		"	0.120	104	75-125			

LCS Dup (P0A2411-BSD1)		Prepared: 01/24/20 Analyzed: 01/26/20							
Benzene	0.110	0.00100	mg/kg wet	0.100	110	70-130	3.47	20	
Toluene	0.109	0.00100	"	0.100	109	70-130	1.86	20	
Ethylbenzene	0.107	0.00100	"	0.100	107	70-130	0.355	20	
Xylene (p/m)	0.222	0.00200	"	0.200	111	70-130	2.13	20	
Xylene (o)	0.120	0.00100	"	0.100	120	70-130	5.01	20	
Surrogate: 1,4-Difluorobenzene	0.128		"	0.120	106	75-125			
Surrogate: 4-Bromofluorobenzene	0.131		"	0.120	109	75-125			

Calibration Blank (P0A2411-CCB1)		Prepared: 01/24/20 Analyzed: 01/26/20							
Benzene	0.00		mg/kg wet						
Toluene	0.00		"						
Ethylbenzene	0.00		"						
Xylene (p/m)	0.00		"						
Xylene (o)	0.00		"						
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120	97.5	75-125			
Surrogate: 4-Bromofluorobenzene	0.124		"	0.120	103	75-125			

Calibration Blank (P0A2411-CCB2)		Prepared: 01/24/20 Analyzed: 01/27/20							
Benzene	0.00		mg/kg wet						
Toluene	0.00		"						
Ethylbenzene	0.00		"						
Xylene (p/m)	0.00		"						
Xylene (o)	0.00		"						
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120	99.9	75-125			
Surrogate: 4-Bromofluorobenzene	0.121		"	0.120	101	75-125			

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Project: Select Energy Cowtown North
Project Number: 19-0179-02
Project Manager: Mark Larson

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Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0A2411 - General Preparation (GC)

Calibration Check (P0A2411-CCV1)

Prepared: 01/24/20 Analyzed: 01/26/20

Benzene	0.0945	0.00100	mg/kg wet	0.100		94.5	80-120			
Toluene	0.0943	0.00100	"	0.100		94.3	80-120			
Ethylbenzene	0.0934	0.00100	"	0.100		93.4	80-120			
Xylene (p/m)	0.188	0.00200	"	0.200		94.0	80-120			
Xylene (o)	0.103	0.00100	"	0.100		103	80-120			
Surrogate: 1,4-Difluorobenzene	0.126		"	0.120		105	75-125			
Surrogate: 4-Bromofluorobenzene	0.128		"	0.120		107	75-125			

Calibration Check (P0A2411-CCV2)

Prepared: 01/24/20 Analyzed: 01/27/20

Benzene	0.103	0.00100	mg/kg wet	0.100		103	80-120			
Toluene	0.104	0.00100	"	0.100		104	80-120			
Ethylbenzene	0.102	0.00100	"	0.100		102	80-120			
Xylene (p/m)	0.206	0.00200	"	0.200		103	80-120			
Xylene (o)	0.111	0.00100	"	0.100		111	80-120			
Surrogate: 1,4-Difluorobenzene	0.126		"	0.120		105	75-125			
Surrogate: 4-Bromofluorobenzene	0.128		"	0.120		107	75-125			

Calibration Check (P0A2411-CCV3)

Prepared: 01/24/20 Analyzed: 01/27/20

Benzene	0.103	0.00100	mg/kg wet	0.100		103	80-120			
Toluene	0.101	0.00100	"	0.100		101	80-120			
Ethylbenzene	0.100	0.00100	"	0.100		100	80-120			
Xylene (p/m)	0.200	0.00200	"	0.200		100	80-120			
Xylene (o)	0.109	0.00100	"	0.100		109	80-120			
Surrogate: 4-Bromofluorobenzene	0.128		"	0.120		107	75-125			
Surrogate: 1,4-Difluorobenzene	0.127		"	0.120		106	75-125			

Matrix Spike (P0A2411-MS1)

Source: 0A24006-22

Prepared: 01/24/20 Analyzed: 01/27/20

Benzene	0.0849	0.00105	mg/kg dry	0.105	ND	80.6	80-120			
Toluene	0.0818	0.00105	"	0.105	ND	77.7	80-120			QM-07
Ethylbenzene	0.0964	0.00105	"	0.105	ND	91.6	80-120			
Xylene (p/m)	0.162	0.00211	"	0.211	ND	76.9	80-120			QM-07
Xylene (o)	0.0802	0.00105	"	0.105	ND	76.2	80-120			QM-07
Surrogate: 1,4-Difluorobenzene	0.134		"	0.126		106	75-125			
Surrogate: 4-Bromofluorobenzene	0.136		"	0.126		107	75-125			

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Project Number: 19-0179-02
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Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0A2411 - General Preparation (GC)

Matrix Spike Dup (P0A2411-MSD1)		Source: 0A24006-22		Prepared: 01/24/20		Analyzed: 01/27/20				
Benzene	0.0835	0.00105	mg/kg dry	0.105	ND	79.3	80-120	1.68	20	QM-07
Toluene	0.0791	0.00105	"	0.105	ND	75.1	80-120	3.39	20	QM-07
Ethylbenzene	0.0925	0.00105	"	0.105	ND	87.9	80-120	4.10	20	
Xylene (p/m)	0.153	0.00211	"	0.211	ND	72.7	80-120	5.62	20	QM-07
Xylene (o)	0.0763	0.00105	"	0.105	ND	72.5	80-120	4.95	20	QM-07
Surrogate: 1,4-Difluorobenzene	0.133		"	0.126		105	75-125			
Surrogate: 4-Bromofluorobenzene	0.133		"	0.126		106	75-125			

Batch P0A2707 - General Preparation (GC)

Blank (P0A2707-BLK1)				Prepared & Analyzed: 01/27/20						
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.124		"	0.120		103	75-125			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		99.8	75-125			

LCS (P0A2707-BS1)				Prepared & Analyzed: 01/27/20						
Benzene	0.103	0.00100	mg/kg wet	0.100		103	70-130			
Toluene	0.107	0.00100	"	0.100		107	70-130			
Ethylbenzene	0.106	0.00100	"	0.100		106	70-130			
Xylene (p/m)	0.236	0.00200	"	0.200		118	70-130			
Xylene (o)	0.120	0.00100	"	0.100		120	70-130			
Surrogate: 1,4-Difluorobenzene	0.128		"	0.120		106	75-125			
Surrogate: 4-Bromofluorobenzene	0.133		"	0.120		111	75-125			

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Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0A2707 - General Preparation (GC)

LCS Dup (P0A2707-BSD1)

Prepared & Analyzed: 01/27/20

Benzene	0.107	0.00100	mg/kg wet	0.100		107	70-130	3.47	20	
Toluene	0.114	0.00100	"	0.100		114	70-130	6.07	20	
Ethylbenzene	0.112	0.00100	"	0.100		112	70-130	5.56	20	
Xylene (p/m)	0.232	0.00200	"	0.200		116	70-130	1.67	20	
Xylene (o)	0.108	0.00100	"	0.100		108	70-130	10.6	20	
Surrogate: 1,4-Difluorobenzene	0.126		"	0.120		105	75-125			
Surrogate: 4-Bromofluorobenzene	0.128		"	0.120		106	75-125			

Calibration Blank (P0A2707-CCB1)

Prepared & Analyzed: 01/27/20

Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.120		"	0.120		100	75-125			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.8	75-125			

Calibration Blank (P0A2707-CCB2)

Prepared & Analyzed: 01/27/20

Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.120		"	0.120		100	75-125			
Surrogate: 1,4-Difluorobenzene	0.120		"	0.120		99.7	75-125			

Calibration Blank (P0A2707-CCB3)

Prepared & Analyzed: 01/27/20

Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.122		"	0.120		102	75-125			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.6	75-125			

Permian Basin Environmental Lab, L.P.

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Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0A2707 - General Preparation (GC)

Calibration Check (P0A2707-CCV1)

Prepared & Analyzed: 01/27/20

Benzene	0.103	0.00100	mg/kg wet	0.100		103	80-120			
Toluene	0.106	0.00100	"	0.100		106	80-120			
Ethylbenzene	0.107	0.00100	"	0.100		107	80-120			
Xylene (p/m)	0.227	0.00200	"	0.200		113	80-120			
Xylene (o)	0.116	0.00100	"	0.100		116	80-120			
Surrogate: 4-Bromofluorobenzene	0.128		"	0.120		107	75-125			
Surrogate: 1,4-Difluorobenzene	0.128		"	0.120		107	75-125			

Calibration Check (P0A2707-CCV2)

Prepared & Analyzed: 01/27/20

Benzene	0.108	0.00100	mg/kg wet	0.100		108	80-120			
Toluene	0.109	0.00100	"	0.100		109	80-120			
Ethylbenzene	0.109	0.00100	"	0.100		109	80-120			
Xylene (p/m)	0.228	0.00200	"	0.200		114	80-120			
Xylene (o)	0.112	0.00100	"	0.100		112	80-120			
Surrogate: 4-Bromofluorobenzene	0.126		"	0.120		105	75-125			
Surrogate: 1,4-Difluorobenzene	0.125		"	0.120		105	75-125			

Calibration Check (P0A2707-CCV3)

Prepared & Analyzed: 01/27/20

Benzene	0.109	0.00100	mg/kg wet	0.100		109	80-120			
Toluene	0.114	0.00100	"	0.100		114	80-120			
Ethylbenzene	0.115	0.00100	"	0.100		115	80-120			
Xylene (p/m)	0.233	0.00200	"	0.200		117	80-120			
Xylene (o)	0.109	0.00100	"	0.100		109	80-120			
Surrogate: 1,4-Difluorobenzene	0.126		"	0.120		105	75-125			
Surrogate: 4-Bromofluorobenzene	0.126		"	0.120		105	75-125			

Matrix Spike (P0A2707-MS1)

Source: 0A24006-42

Prepared & Analyzed: 01/27/20

Benzene	0.0788	0.00105	mg/kg dry	0.105	ND	74.9	80-120			QM-07
Toluene	0.0808	0.00105	"	0.105	ND	76.7	80-120			QM-07
Ethylbenzene	0.0937	0.00105	"	0.105	ND	89.0	80-120			
Xylene (p/m)	0.162	0.00211	"	0.211	ND	76.9	80-120			QM-07
Xylene (o)	0.0789	0.00105	"	0.105	ND	75.0	80-120			QM-07
Surrogate: 4-Bromofluorobenzene	0.139		"	0.126		110	75-125			
Surrogate: 1,4-Difluorobenzene	0.134		"	0.126		106	75-125			

Permian Basin Environmental Lab, L.P.

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Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0A2707 - General Preparation (GC)

Matrix Spike Dup (P0A2707-MSD1)	Source: 0A24006-42			Prepared & Analyzed: 01/27/20						
Benzene	0.0876	0.00105	mg/kg dry	0.105	ND	83.2	80-120	10.6	20	
Toluene	0.0886	0.00105	"	0.105	ND	84.1	80-120	9.19	20	
Ethylbenzene	0.0984	0.00105	"	0.105	ND	93.5	80-120	4.93	20	
Xylene (p/m)	0.174	0.00211	"	0.211	ND	82.8	80-120	7.42	20	
Xylene (o)	0.0872	0.00105	"	0.105	ND	82.8	80-120	9.95	20	
Surrogate: 1,4-Difluorobenzene	0.136		"	0.126		108	75-125			
Surrogate: 4-Bromofluorobenzene	0.141		"	0.126		112	75-125			

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Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0A2703 - * DEFAULT PREP *****

Blank (P0A2703-BLK1)	Prepared & Analyzed: 01/27/20									
% Moisture	ND	0.1	%							
Duplicate (P0A2703-DUP1)	Source: 0A24006-19 Prepared & Analyzed: 01/27/20									
% Moisture	2.0	0.1	%		2.0			0.00	20	
Duplicate (P0A2703-DUP2)	Source: 0A24006-46 Prepared & Analyzed: 01/27/20									
% Moisture	7.0	0.1	%		6.0			15.4	20	
Duplicate (P0A2703-DUP3)	Source: 0A24008-18 Prepared & Analyzed: 01/27/20									
% Moisture	5.0	0.1	%		5.0			0.00	20	
Duplicate (P0A2703-DUP4)	Source: 0A24009-05 Prepared & Analyzed: 01/27/20									
% Moisture	10.0	0.1	%		10.0			0.00	20	
Duplicate (P0A2703-DUP5)	Source: 0A24010-12 Prepared & Analyzed: 01/27/20									
% Moisture	10.0	0.1	%		10.0			0.00	20	
Duplicate (P0A2703-DUP6)	Source: 0A24012-15 Prepared & Analyzed: 01/27/20									
% Moisture	6.0	0.1	%		7.0			15.4	20	

Batch P0A2715 - * DEFAULT PREP *****

Blank (P0A2715-BLK1)	Prepared & Analyzed: 01/27/20									
Chloride	ND	0.100	mg/kg wet							
LCS (P0A2715-BS1)	Prepared & Analyzed: 01/27/20									
Chloride	418	1.00	mg/kg wet	400		105	80-120			

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Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0A2715 - * DEFAULT PREP *****

LCS Dup (P0A2715-BSD1)				Prepared & Analyzed: 01/27/20						
Chloride	420	1.00	mg/kg wet	400		105	80-120	0.472	20	
Calibration Blank (P0A2715-CCB1)				Prepared & Analyzed: 01/27/20						
Chloride	0.00		mg/kg wet							
Calibration Blank (P0A2715-CCB2)				Prepared & Analyzed: 01/27/20						
Chloride	0.00		mg/kg wet							
Calibration Check (P0A2715-CCV1)				Prepared & Analyzed: 01/27/20						
Chloride	20.1		mg/kg	20.0		100	0-200			
Calibration Check (P0A2715-CCV2)				Prepared & Analyzed: 01/27/20						
Chloride	20.4		mg/kg	20.0		102	0-200			
Calibration Check (P0A2715-CCV3)				Prepared: 01/27/20 Analyzed: 01/28/20						
Chloride	20.5		mg/kg	20.0		103	0-200			
Matrix Spike (P0A2715-MS1)		Source: 0A14018-21		Prepared & Analyzed: 01/27/20						
Chloride	11700	58.1	mg/kg dry	5810	5640	103	80-120			
Matrix Spike (P0A2715-MS2)		Source: 0A22009-02		Prepared & Analyzed: 01/27/20						
Chloride	2960	11.4	mg/kg dry	1140	1590	120	80-120			
Matrix Spike Dup (P0A2715-MSD1)		Source: 0A14018-21		Prepared & Analyzed: 01/27/20						
Chloride	11800	58.1	mg/kg dry	5810	5640	106	80-120	1.23	20	
Matrix Spike Dup (P0A2715-MSD2)		Source: 0A22009-02		Prepared & Analyzed: 01/27/20						
Chloride	2890	11.4	mg/kg dry	1140	1590	114	80-120	2.48	20	

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General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0A2716 - * DEFAULT PREP *****

Blank (P0A2716-BLK1)				Prepared: 01/27/20 Analyzed: 01/28/20						
Chloride	ND	1.00	mg/kg wet							
LCS (P0A2716-BS1)				Prepared: 01/27/20 Analyzed: 01/28/20						
Chloride	420	1.00	mg/kg wet	400		105	80-120			
LCS Dup (P0A2716-BSD1)				Prepared: 01/27/20 Analyzed: 01/28/20						
Chloride	418	1.00	mg/kg wet	400		104	80-120	0.482	20	
Calibration Blank (P0A2716-CCB1)				Prepared: 01/27/20 Analyzed: 01/28/20						
Chloride	0.00		mg/kg wet							
Calibration Blank (P0A2716-CCB2)				Prepared: 01/27/20 Analyzed: 01/28/20						
Chloride	0.00		mg/kg wet							
Calibration Check (P0A2716-CCV1)				Prepared: 01/27/20 Analyzed: 01/28/20						
Chloride	20.5		mg/kg	20.0		103	0-200			
Calibration Check (P0A2716-CCV2)				Prepared: 01/27/20 Analyzed: 01/28/20						
Chloride	20.7		mg/kg	20.0		103	0-200			
Calibration Check (P0A2716-CCV3)				Prepared: 01/27/20 Analyzed: 01/28/20						
Chloride	20.8		mg/kg	20.0		104	0-200			
Matrix Spike (P0A2716-MS1)				Prepared: 01/27/20 Analyzed: 01/28/20						
Chloride	1630	5.21	mg/kg dry	521	1080	105	80-120			
Matrix Spike (P0A2716-MS2)				Prepared: 01/27/20 Analyzed: 01/28/20						
Chloride	557	1.04	mg/kg dry	521	10.4	105	80-120			

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General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0A2716 - * DEFAULT PREP *****

Matrix Spike Dup (P0A2716-MSD1)		Source: 0A24006-06		Prepared: 01/27/20		Analyzed: 01/28/20				
Chloride	1710	5.21	mg/kg dry	521	1080	121	80-120	4.78	20	QM-07
Matrix Spike Dup (P0A2716-MSD2)		Source: 0A24006-16		Prepared: 01/27/20		Analyzed: 01/28/20				
Chloride	507	1.04	mg/kg dry	521	10.4	95.4	80-120	9.34	20	

Batch P0A2717 - * DEFAULT PREP *****

Blank (P0A2717-BLK1)				Prepared: 01/27/20		Analyzed: 01/28/20				
Chloride	ND	1.00	mg/kg wet							
LCS (P0A2717-BS1)				Prepared: 01/27/20		Analyzed: 01/28/20				
Chloride	419	1.00	mg/kg wet	400		105	80-120			
LCS Dup (P0A2717-BSD1)				Prepared: 01/27/20		Analyzed: 01/28/20				
Chloride	422	1.00	mg/kg wet	400		106	80-120	0.849	20	
Calibration Blank (P0A2717-CCB1)				Prepared: 01/27/20		Analyzed: 01/28/20				
Chloride	0.00		mg/kg wet							
Calibration Blank (P0A2717-CCB2)				Prepared: 01/27/20		Analyzed: 01/28/20				
Chloride	0.00		mg/kg wet							
Calibration Check (P0A2717-CCV1)				Prepared: 01/27/20		Analyzed: 01/28/20				
Chloride	20.8		mg/kg	20.0		104	0-200			
Calibration Check (P0A2717-CCV2)				Prepared: 01/27/20		Analyzed: 01/28/20				
Chloride	20.6		mg/kg	20.0		103	0-200			

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General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0A2717 - * DEFAULT PREP *****

Calibration Check (P0A2717-CCV3)				Prepared: 01/27/20 Analyzed: 01/28/20						
Chloride	20.6		mg/kg	20.0		103	0-200			
Matrix Spike (P0A2717-MS1)				Source: 0A24006-26 Prepared: 01/27/20 Analyzed: 01/28/20						
Chloride	529	1.08	mg/kg dry	538	12.6	96.0	80-120			
Matrix Spike (P0A2717-MS2)				Source: 0A24006-36 Prepared: 01/27/20 Analyzed: 01/28/20						
Chloride	543	1.05	mg/kg dry	526	25.8	98.2	80-120			
Matrix Spike Dup (P0A2717-MSD1)				Source: 0A24006-26 Prepared: 01/27/20 Analyzed: 01/28/20						
Chloride	534	1.08	mg/kg dry	538	12.6	96.9	80-120	0.897	20	
Matrix Spike Dup (P0A2717-MSD2)				Source: 0A24006-36 Prepared: 01/27/20 Analyzed: 01/28/20						
Chloride	535	1.05	mg/kg dry	526	25.8	96.7	80-120	1.46	20	

Batch P0A2718 - * DEFAULT PREP *****

Blank (P0A2718-BLK1)				Prepared: 01/27/20 Analyzed: 01/28/20						
Chloride	ND	0.100	mg/kg wet							
LCS (P0A2718-BS1)				Prepared: 01/27/20 Analyzed: 01/28/20						
Chloride	415	1.00	mg/kg wet	400		104	80-120			
LCS Dup (P0A2718-BSD1)				Prepared: 01/27/20 Analyzed: 01/28/20						
Chloride	415	1.00	mg/kg wet	400		104	80-120	0.145	20	
Calibration Blank (P0A2718-CCB1)				Prepared: 01/27/20 Analyzed: 01/28/20						
Chloride	0.00		mg/kg wet							

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General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0A2718 - *** DEFAULT PREP ***										
Calibration Blank (P0A2718-CCB2)				Prepared: 01/27/20 Analyzed: 01/28/20						
Chloride	0.00		mg/kg wet							
Calibration Check (P0A2718-CCV1)				Prepared: 01/27/20 Analyzed: 01/28/20						
Chloride	20.6		mg/kg	20.0		103	0-200			
Calibration Check (P0A2718-CCV2)				Prepared: 01/27/20 Analyzed: 01/28/20						
Chloride	21.0		mg/kg	20.0		105	0-200			
Calibration Check (P0A2718-CCV3)				Prepared: 01/27/20 Analyzed: 01/29/20						
Chloride	21.3		mg/kg	20.0		106	0-200			
Matrix Spike (P0A2718-MS1)				Source: 0A24006-46 Prepared: 01/27/20 Analyzed: 01/28/20						
Chloride	537	1.06	mg/kg dry	532	13.3	98.4	80-120			
Matrix Spike (P0A2718-MS2)				Source: 0A24008-03 Prepared: 01/27/20 Analyzed: 01/28/20						
Chloride	858	1.06	mg/kg dry	532	332	98.9	80-120			
Matrix Spike Dup (P0A2718-MSD1)				Source: 0A24006-46 Prepared: 01/27/20 Analyzed: 01/28/20						
Chloride	528	1.06	mg/kg dry	532	13.3	96.8	80-120	1.59	20	
Matrix Spike Dup (P0A2718-MSD2)				Source: 0A24008-03 Prepared: 01/27/20 Analyzed: 01/28/20						
Chloride	846	1.06	mg/kg dry	532	332	96.7	80-120	1.40	20	

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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0A2405 - TX 1005

Blank (P0A2405-BLK1)

Prepared & Analyzed: 01/24/20

C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	95.1		"	100		95.1	70-130			
Surrogate: o-Terphenyl	51.6		"	50.0		103	70-130			

LCS (P0A2405-BS1)

Prepared & Analyzed: 01/24/20

C6-C12	844	25.0	mg/kg wet	1000		84.4	75-125			
>C12-C28	999	25.0	"	1000		99.9	75-125			
Surrogate: 1-Chlorooctane	99.0		"	100		99.0	70-130			
Surrogate: o-Terphenyl	49.7		"	50.0		99.3	70-130			

LCS Dup (P0A2405-BSD1)

Prepared & Analyzed: 01/24/20

C6-C12	892	25.0	mg/kg wet	1000		89.2	75-125	5.48	20	
>C12-C28	1060	25.0	"	1000		106	75-125	6.28	20	
Surrogate: 1-Chlorooctane	105		"	100		105	70-130			
Surrogate: o-Terphenyl	51.4		"	50.0		103	70-130			

Calibration Blank (P0A2405-CCB1)

Prepared & Analyzed: 01/24/20

C6-C12	18.1		mg/kg wet							
>C12-C28	19.8		"							
Surrogate: 1-Chlorooctane	99.1		"	100		99.1	70-130			
Surrogate: o-Terphenyl	54.5		"	50.0		109	70-130			

Calibration Blank (P0A2405-CCB2)

Prepared & Analyzed: 01/24/20

C6-C12	18.3		mg/kg wet							
>C12-C28	2.76		"							
Surrogate: 1-Chlorooctane	103		"	100		103	70-130			
Surrogate: o-Terphenyl	56.4		"	50.0		113	70-130			

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Project Manager: Mark Larson

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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0A2405 - TX 1005

Calibration Check (P0A2405-CCV1)

Prepared & Analyzed: 01/24/20

C6-C12	436	25.0	mg/kg wet	500		87.2	85-115			
>C12-C28	510	25.0	"	500		102	85-115			
Surrogate: 1-Chlorooctane	94.0		"	100		94.0	70-130			
Surrogate: o-Terphenyl	47.6		"	50.0		95.1	70-130			

Calibration Check (P0A2405-CCV2)

Prepared & Analyzed: 01/24/20

C6-C12	458	25.0	mg/kg wet	500		91.6	85-115			
>C12-C28	535	25.0	"	500		107	85-115			
Surrogate: 1-Chlorooctane	96.3		"	100		96.3	70-130			
Surrogate: o-Terphenyl	50.0		"	50.0		99.9	70-130			

Calibration Check (P0A2405-CCV3)

Prepared: 01/24/20 Analyzed: 01/25/20

C6-C12	467	25.0	mg/kg wet	500		93.4	85-115			
>C12-C28	546	25.0	"	500		109	85-115			
Surrogate: 1-Chlorooctane	101		"	100		101	70-130			
Surrogate: o-Terphenyl	50.0		"	50.0		100	70-130			

Matrix Spike (P0A2405-MS1)

Source: 0A24006-20

Prepared: 01/24/20 Analyzed: 01/25/20

C6-C12	944	25.3	mg/kg dry	1010	18.1	91.7	75-125			
>C12-C28	1130	25.3	"	1010	ND	112	75-125			
Surrogate: 1-Chlorooctane	114		"	101		113	70-130			
Surrogate: o-Terphenyl	55.5		"	50.5		110	70-130			

Matrix Spike Dup (P0A2405-MSD1)

Source: 0A24006-20

Prepared: 01/24/20 Analyzed: 01/25/20

C6-C12	922	25.3	mg/kg dry	1010	18.1	89.5	75-125	2.42	20	
>C12-C28	1080	25.3	"	1010	ND	107	75-125	4.37	20	
Surrogate: 1-Chlorooctane	108		"	101		107	70-130			
Surrogate: o-Terphenyl	58.9		"	50.5		117	70-130			

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Project: Select Energy Cowntown North
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0A2406 - TX 1005

Blank (P0A2406-BLK1)

Prepared: 01/24/20 Analyzed: 01/25/20

C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	106		"	100		106	70-130			
Surrogate: o-Terphenyl	59.6		"	50.0		119	70-130			

LCS (P0A2406-BS1)

Prepared: 01/24/20 Analyzed: 01/25/20

C6-C12	903	25.0	mg/kg wet	1000		90.3	75-125			
>C12-C28	1080	25.0	"	1000		108	75-125			
Surrogate: 1-Chlorooctane	121		"	100		121	70-130			
Surrogate: o-Terphenyl	56.8		"	50.0		114	70-130			

LCS Dup (P0A2406-BSD1)

Prepared: 01/24/20 Analyzed: 01/25/20

C6-C12	902	25.0	mg/kg wet	1000		90.2	75-125	0.0510	20	
>C12-C28	1100	25.0	"	1000		110	75-125	1.35	20	
Surrogate: 1-Chlorooctane	122		"	100		122	70-130			
Surrogate: o-Terphenyl	58.2		"	50.0		116	70-130			

Calibration Blank (P0A2406-CCB1)

Prepared: 01/24/20 Analyzed: 01/25/20

C6-C12	18.8		mg/kg wet							
>C12-C28	7.97		"							
Surrogate: 1-Chlorooctane	109		"	100		109	70-130			
Surrogate: o-Terphenyl	61.4		"	50.0		123	70-130			

Calibration Blank (P0A2406-CCB2)

Prepared: 01/24/20 Analyzed: 01/25/20

C6-C12	19.3		mg/kg wet							
>C12-C28	5.12		"							
Surrogate: 1-Chlorooctane	97.9		"	100		97.9	70-130			
Surrogate: o-Terphenyl	56.3		"	50.0		113	70-130			

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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0A2406 - TX 1005

Calibration Check (P0A2406-CCV1)

Prepared: 01/24/20 Analyzed: 01/25/20

C6-C12	481	25.0	mg/kg wet	500		96.2	85-115			
>C12-C28	567	25.0	"	500		113	85-115			
Surrogate: 1-Chlorooctane	108		"	100		108	70-130			
Surrogate: o-Terphenyl	54.1		"	50.0		108	70-130			

Calibration Check (P0A2406-CCV2)

Prepared: 01/24/20 Analyzed: 01/25/20

C6-C12	461	25.0	mg/kg wet	500		92.1	85-115			
>C12-C28	559	25.0	"	500		112	85-115			
Surrogate: 1-Chlorooctane	103		"	100		103	70-130			
Surrogate: o-Terphenyl	51.2		"	50.0		102	70-130			

Matrix Spike (P0A2406-MS1)

Source: 0A24006-40

Prepared: 01/24/20 Analyzed: 01/25/20

C6-C12	805	26.6	mg/kg dry	1060	22.7	73.5	75-125			QM-07
>C12-C28	952	26.6	"	1060	37.4	86.0	75-125			
Surrogate: 1-Chlorooctane	95.6		"	106		89.8	70-130			
Surrogate: o-Terphenyl	43.0		"	53.2		80.8	70-130			

Matrix Spike Dup (P0A2406-MSD1)

Source: 0A24006-40

Prepared: 01/24/20 Analyzed: 01/25/20

C6-C12	858	26.6	mg/kg dry	1060	22.7	78.5	75-125	6.55	20	
>C12-C28	1020	26.6	"	1060	37.4	92.0	75-125	6.70	20	
Surrogate: 1-Chlorooctane	100		"	106		94.4	70-130			
Surrogate: o-Terphenyl	42.7		"	53.2		80.2	70-130			

Batch P0A2407 - TX 1005

Blank (P0A2407-BLK1)

Prepared: 01/24/20 Analyzed: 01/25/20

C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	115		"	100		115	70-130			
Surrogate: o-Terphenyl	63.3		"	50.0		127	70-130			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0A2407 - TX 1005

LCS (P0A2407-BS1)

Prepared: 01/24/20 Analyzed: 01/25/20

C6-C12	898	25.0	mg/kg wet	1000		89.8	75-125			
>C12-C28	1120	25.0	"	1000		112	75-125			
Surrogate: 1-Chlorooctane	121		"	100		121	70-130			
Surrogate: o-Terphenyl	54.3		"	50.0		109	70-130			

LCS Dup (P0A2407-BSD1)

Prepared: 01/24/20 Analyzed: 01/25/20

C6-C12	900	25.0	mg/kg wet	1000		90.0	75-125	0.245	20	
>C12-C28	1110	25.0	"	1000		111	75-125	0.740	20	
Surrogate: 1-Chlorooctane	123		"	100		123	70-130			
Surrogate: o-Terphenyl	57.3		"	50.0		115	70-130			

Calibration Blank (P0A2407-CCB1)

Prepared: 01/24/20 Analyzed: 01/25/20

C6-C12	18.6		mg/kg wet							
>C12-C28	10.6		"							
Surrogate: 1-Chlorooctane	108		"	100		108	70-130			
Surrogate: o-Terphenyl	60.3		"	50.0		121	70-130			

Calibration Blank (P0A2407-CCB2)

Prepared: 01/24/20 Analyzed: 01/26/20

C6-C12	18.4		mg/kg wet							
>C12-C28	22.1		"							
Surrogate: 1-Chlorooctane	110		"	100		110	70-130			
Surrogate: o-Terphenyl	61.9		"	50.0		124	70-130			

Calibration Check (P0A2407-CCV1)

Prepared: 01/24/20 Analyzed: 01/25/20

C6-C12	483	25.0	mg/kg wet	500		96.7	85-115			
>C12-C28	573	25.0	"	500		115	85-115			
Surrogate: 1-Chlorooctane	109		"	100		109	70-130			
Surrogate: o-Terphenyl	52.2		"	50.0		104	70-130			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0A2407 - TX 1005

Calibration Check (P0A2407-CCV2)

Prepared: 01/24/20 Analyzed: 01/26/20

C6-C12	501	25.0	mg/kg wet	500		100	85-115			
>C12-C28	572	25.0	"	500		114	85-115			
Surrogate: 1-Chlorooctane	110		"	100		110	70-130			
Surrogate: o-Terphenyl	54.3		"	50.0		109	70-130			

Matrix Spike (P0A2407-MS1)

Source: 0A24008-07

Prepared: 01/24/20 Analyzed: 01/26/20

C6-C12	875	25.0	mg/kg dry	1000	18.7	85.6	75-125			
>C12-C28	1080	25.0	"	1000	ND	108	75-125			
Surrogate: 1-Chlorooctane	122		"	100		122	70-130			
Surrogate: o-Terphenyl	58.1		"	50.0		116	70-130			

Matrix Spike Dup (P0A2407-MSD1)

Source: 0A24008-07

Prepared: 01/24/20 Analyzed: 01/26/20

C6-C12	874	25.0	mg/kg dry	1000	18.7	85.5	75-125	0.145	20	
>C12-C28	1080	25.0	"	1000	ND	108	75-125	0.179	20	
Surrogate: 1-Chlorooctane	121		"	100		121	70-130			
Surrogate: o-Terphenyl	57.9		"	50.0		116	70-130			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

Notes and Definitions

S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

BULK Samples received in Bulk soil containers

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

1/30/2020

Brent Barron, Laboratory Director/Technical Director

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If you have received this material in error, please notify us immediately at 432-686-7235.

507 N. Mariefeld, Ste. 200
Midland, TX 79701
432-687-0901

DATE: 1/24/2020 PAGE 2 OF 4
PO#: _____ LAB WORK ORDER#: _____
PROJECT LOCATION OR NAME: Select + Energy - Coniston Rd
LAI PROJECT #: 19-0179-02 COLLECTOR: RW

Data Reported to:

[illegible]

RELINQUISHED BY: (Signature) <i>Doreen Owen</i>	DATE/TIME <i>1/24/20 9:42</i>	RECEIVED BY: (Signature) <i>James B. Davis</i>
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
LABORATORY: <i>PAEL</i>		

TURN AROUND TIME
 NORMAL ~~2~~ **PO**
 1 DAY ☐
 2 DAY ☐
 OTHER ~~2~~ **3 day rush**

LABORATORY USE ONLY: 203.0 OF41
RECEIVING TEMP: _____ THERM#: 12 _____
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL # _____
☐ HAND DELIVERED

507 N. Marienfeld, Ste. 200
Midland, TX 79701
432-687-0901

DATE: 1/24/2020 PAGE 3 OF 4
PO#: _____ LAB WORK ORDER#: _____
PROJECT LOCATION OR NAME: Select Energy - low town North
LAI PROJECT #: 19-0179-02 COLLECTOR: RN

Data Reported to:

[illegible]

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

Mark Larson
Larson & Associates, Inc.
P.O. Box 50685
Midland, TX 79710

Project: Select Energy Cowtown North

Project Number: 19-0179-02

Location: NM

Lab Order Number: 0C09003



NELAP/TCEQ # T104704516-17-8

Report Date: 03/13/20

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BF Caliche 1	0C09003-01	Soil	03/06/20 11:55	03-09-2020 09:33
BF Caliche 2	0C09003-02	Soil	03/06/20 11:56	03-09-2020 09:33
BF Caliche 3	0C09003-03	Soil	03/06/20 11:57	03-09-2020 09:33
BF Caliche 4	0C09003-04	Soil	03/06/20 11:58	03-09-2020 09:33
BF Caliche 5	0C09003-05	Soil	03/06/20 11:59	03-09-2020 09:33
BF Caliche 6	0C09003-06	Soil	03/06/20 12:00	03-09-2020 09:33
BF Sand 1	0C09003-07	Soil	03/06/20 12:01	03-09-2020 09:33
BF Sand 2	0C09003-08	Soil	03/06/20 12:02	03-09-2020 09:33
BF Sand 3	0C09003-09	Soil	03/06/20 12:03	03-09-2020 09:33
BF Sand 4	0C09003-10	Soil	03/06/20 12:04	03-09-2020 09:33
BF Sand 5	0C09003-11	Soil	03/06/20 12:05	03-09-2020 09:33
BF Sand 6	0C09003-12	Soil	03/06/20 12:06	03-09-2020 09:33

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowtown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

BF Caliche 1
0C09003-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00101	mg/kg dry	1	POC0907	03/09/20	03/09/20	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	POC0907	03/09/20	03/09/20	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	POC0907	03/09/20	03/09/20	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	POC0907	03/09/20	03/09/20	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	POC0907	03/09/20	03/09/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		104 %	75-125		POC0907	03/09/20	03/09/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.5 %	75-125		POC0907	03/09/20	03/09/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	12.8	1.01	mg/kg dry	1	POC0912	03/09/20	03/09/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	POC1002	03/10/20	03/10/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.3	mg/kg dry	1	POC0909	03/09/20	03/09/20	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	POC0909	03/09/20	03/09/20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	POC0909	03/09/20	03/09/20	TPH 8015M	
Surrogate: 1-Chlorooctane		107 %	70-130		POC0909	03/09/20	03/09/20	TPH 8015M	
Surrogate: o-Terphenyl		120 %	70-130		POC0909	03/09/20	03/09/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	03/09/20	03/09/20	calc	

Permian Basin Environmental Lab, L.P.

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Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowtown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

BF Caliche 2
0C09003-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00101	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		95.9 %	75-125		P0C0907	03/09/20	03/09/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		107 %	75-125		P0C0907	03/09/20	03/09/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	1370	5.05	mg/kg dry	5	P0C0912	03/09/20	03/09/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0C1002	03/10/20	03/10/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.3	mg/kg dry	1	P0C0909	03/09/20	03/09/20	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P0C0909	03/09/20	03/09/20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P0C0909	03/09/20	03/09/20	TPH 8015M	
Surrogate: 1-Chlorooctane		98.7 %	70-130		P0C0909	03/09/20	03/09/20	TPH 8015M	
Surrogate: o-Terphenyl		110 %	70-130		P0C0909	03/09/20	03/09/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	03/09/20	03/09/20	calc	

Permian Basin Environmental Lab, L.P.

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Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowtown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

BF Caliche 3
0C09003-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00105	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		93.9 %	75-125		P0C0907	03/09/20	03/09/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		102 %	75-125		P0C0907	03/09/20	03/09/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	29.1	1.05	mg/kg dry	1	P0C0912	03/09/20	03/09/20	EPA 300.0	
% Moisture	5.0	0.1	%	1	P0C1002	03/10/20	03/10/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.3	mg/kg dry	1	P0C0909	03/09/20	03/09/20	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P0C0909	03/09/20	03/09/20	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P0C0909	03/09/20	03/09/20	TPH 8015M	
Surrogate: 1-Chlorooctane		103 %	70-130		P0C0909	03/09/20	03/09/20	TPH 8015M	
Surrogate: o-Terphenyl		115 %	70-130		P0C0909	03/09/20	03/09/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	03/09/20	03/09/20	calc	

Permian Basin Environmental Lab, L.P.

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Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowtown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

BF Caliche 4
0C09003-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00109	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Toluene	ND	0.00109	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Ethylbenzene	ND	0.00109	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Xylene (p/m)	ND	0.00217	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Xylene (o)	ND	0.00109	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		93.6 %	75-125		P0C0907	03/09/20	03/09/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		102 %	75-125		P0C0907	03/09/20	03/09/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	15.9	1.09	mg/kg dry	1	P0C0912	03/09/20	03/09/20	EPA 300.0	
% Moisture	85.0	0.1	%	1	P0C1002	03/10/20	03/10/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.2	mg/kg dry	1	P0C0909	03/09/20	03/09/20	TPH 8015M	
>C12-C28	ND	27.2	mg/kg dry	1	P0C0909	03/09/20	03/09/20	TPH 8015M	
>C28-C35	ND	27.2	mg/kg dry	1	P0C0909	03/09/20	03/09/20	TPH 8015M	
Surrogate: 1-Chlorooctane		101 %	70-130		P0C0909	03/09/20	03/09/20	TPH 8015M	
Surrogate: o-Terphenyl		112 %	70-130		P0C0909	03/09/20	03/09/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	27.2	mg/kg dry	1	[CALC]	03/09/20	03/09/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowtown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

BF Caliche 5
0C09003-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00106	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		103 %	75-125		P0C0907	03/09/20	03/09/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.4 %	75-125		P0C0907	03/09/20	03/09/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	13.8	1.06	mg/kg dry	1	P0C0912	03/09/20	03/09/20	EPA 300.0	
% Moisture	6.0	0.1	%	1	P0C1002	03/10/20	03/10/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.6	mg/kg dry	1	P0C0909	03/09/20	03/09/20	TPH 8015M	
>C12-C28	ND	26.6	mg/kg dry	1	P0C0909	03/09/20	03/09/20	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	P0C0909	03/09/20	03/09/20	TPH 8015M	
Surrogate: 1-Chlorooctane		98.5 %	70-130		P0C0909	03/09/20	03/09/20	TPH 8015M	
Surrogate: o-Terphenyl		108 %	70-130		P0C0909	03/09/20	03/09/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	03/09/20	03/09/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowtown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

BF Caliche 6
0C09003-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00106	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		102 %	75-125		P0C0907	03/09/20	03/09/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.5 %	75-125		P0C0907	03/09/20	03/09/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	54.3	1.06	mg/kg dry	1	P0C0912	03/09/20	03/09/20	EPA 300.0	
% Moisture	6.0	0.1	%	1	P0C1002	03/10/20	03/10/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.6	mg/kg dry	1	P0C0909	03/09/20	03/10/20	TPH 8015M	
>C12-C28	ND	26.6	mg/kg dry	1	P0C0909	03/09/20	03/10/20	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	P0C0909	03/09/20	03/10/20	TPH 8015M	
Surrogate: 1-Chlorooctane		78.0 %	70-130		P0C0909	03/09/20	03/10/20	TPH 8015M	
Surrogate: o-Terphenyl		83.9 %	70-130		P0C0909	03/09/20	03/10/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	03/09/20	03/10/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowtown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

BF Sand 1
0C09003-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00102	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		101 %	75-125		P0C0907	03/09/20	03/09/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		92.8 %	75-125		P0C0907	03/09/20	03/09/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	8.62	1.02	mg/kg dry	1	P0C0912	03/09/20	03/09/20	EPA 300.0	
% Moisture	2.0	0.1	%	1	P0C1002	03/10/20	03/10/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.5	mg/kg dry	1	P0C0909	03/09/20	03/10/20	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P0C0909	03/09/20	03/10/20	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P0C0909	03/09/20	03/10/20	TPH 8015M	
Surrogate: 1-Chlorooctane		102 %	70-130		P0C0909	03/09/20	03/10/20	TPH 8015M	
Surrogate: o-Terphenyl		113 %	70-130		P0C0909	03/09/20	03/10/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	03/09/20	03/10/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowtown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

BF Sand 2
0C09003-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00104	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.3 %	75-125		P0C0907	03/09/20	03/09/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		101 %	75-125		P0C0907	03/09/20	03/09/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	7.51	1.04	mg/kg dry	1	P0C0912	03/09/20	03/09/20	EPA 300.0	
% Moisture	4.0	0.1	%	1	P0C1002	03/10/20	03/10/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.0	mg/kg dry	1	P0C0909	03/09/20	03/10/20	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P0C0909	03/09/20	03/10/20	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P0C0909	03/09/20	03/10/20	TPH 8015M	
Surrogate: 1-Chlorooctane		81.6 %	70-130		P0C0909	03/09/20	03/10/20	TPH 8015M	
Surrogate: o-Terphenyl		90.7 %	70-130		P0C0909	03/09/20	03/10/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	03/09/20	03/10/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowtown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

BF Sand 3
0C09003-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00104	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.2 %	75-125		P0C0907	03/09/20	03/09/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		99.7 %	75-125		P0C0907	03/09/20	03/09/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	8.09	1.04	mg/kg dry	1	P0C0912	03/09/20	03/09/20	EPA 300.0	
% Moisture	4.0	0.1	%	1	P0C1002	03/10/20	03/10/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.0	mg/kg dry	1	P0C0909	03/09/20	03/10/20	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P0C0909	03/09/20	03/10/20	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P0C0909	03/09/20	03/10/20	TPH 8015M	
Surrogate: 1-Chlorooctane		92.4 %	70-130		P0C0909	03/09/20	03/10/20	TPH 8015M	
Surrogate: o-Terphenyl		102 %	70-130		P0C0909	03/09/20	03/10/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	03/09/20	03/10/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowtown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

BF Sand 4
0C09003-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00105	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		93.8 %	75-125		P0C0907	03/09/20	03/09/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		101 %	75-125		P0C0907	03/09/20	03/09/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	5.85	1.05	mg/kg dry	1	P0C0912	03/09/20	03/10/20	EPA 300.0	
% Moisture	5.0	0.1	%	1	P0C1002	03/10/20	03/10/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.3	mg/kg dry	1	P0C0909	03/09/20	03/10/20	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P0C0909	03/09/20	03/10/20	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P0C0909	03/09/20	03/10/20	TPH 8015M	
Surrogate: 1-Chlorooctane		108 %	70-130		P0C0909	03/09/20	03/10/20	TPH 8015M	
Surrogate: o-Terphenyl		119 %	70-130		P0C0909	03/09/20	03/10/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	03/09/20	03/10/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

BF Sand 5
0C09003-11 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00104	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		99.1 %	75-125		P0C0907	03/09/20	03/09/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		93.6 %	75-125		P0C0907	03/09/20	03/09/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	9.59	1.04	mg/kg dry	1	P0C0912	03/09/20	03/10/20	EPA 300.0	
% Moisture	4.0	0.1	%	1	P0C1002	03/10/20	03/10/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.0	mg/kg dry	1	P0C0909	03/09/20	03/10/20	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P0C0909	03/09/20	03/10/20	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P0C0909	03/09/20	03/10/20	TPH 8015M	
Surrogate: 1-Chlorooctane		99.8 %	70-130		P0C0909	03/09/20	03/10/20	TPH 8015M	
Surrogate: o-Terphenyl		111 %	70-130		P0C0909	03/09/20	03/10/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	03/09/20	03/10/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowtown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

BF Sand 6
0C09003-12 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00103	mg/kg dry	1	P0C0908	03/09/20	03/10/20	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P0C0908	03/09/20	03/10/20	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P0C0908	03/09/20	03/10/20	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P0C0908	03/09/20	03/10/20	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P0C0908	03/09/20	03/10/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		98.8 %	75-125		P0C0908	03/09/20	03/10/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		92.9 %	75-125		P0C0908	03/09/20	03/10/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	5.21	1.03	mg/kg dry	1	P0C0912	03/09/20	03/10/20	EPA 300.0	
% Moisture	3.0	0.1	%	1	P0C1002	03/10/20	03/10/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.8	mg/kg dry	1	P0C0910	03/09/20	03/10/20	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P0C0910	03/09/20	03/10/20	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P0C0910	03/09/20	03/10/20	TPH 8015M	
Surrogate: 1-Chlorooctane		114 %	70-130		P0C0910	03/09/20	03/10/20	TPH 8015M	
Surrogate: o-Terphenyl		124 %	70-130		P0C0910	03/09/20	03/10/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	03/09/20	03/10/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0C0907 - General Preparation (GC)

Blank (P0C0907-BLK1)

Prepared & Analyzed: 03/09/20

Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.117		"	0.120		97.1	75-125			
Surrogate: 1,4-Difluorobenzene	0.110		"	0.120		91.4	75-125			

LCS (P0C0907-BS1)

Prepared & Analyzed: 03/09/20

Benzene	0.114	0.00100	mg/kg wet	0.100		114	70-130			
Toluene	0.113	0.00100	"	0.100		113	70-130			
Ethylbenzene	0.118	0.00100	"	0.100		118	70-130			
Xylene (p/m)	0.237	0.00200	"	0.200		119	70-130			
Xylene (o)	0.117	0.00100	"	0.100		117	70-130			
Surrogate: 4-Bromofluorobenzene	0.116		"	0.120		96.7	75-125			
Surrogate: 1,4-Difluorobenzene	0.115		"	0.120		95.8	75-125			

LCS Dup (P0C0907-BSD1)

Prepared & Analyzed: 03/09/20

Benzene	0.110	0.00100	mg/kg wet	0.100		110	70-130	3.17	20	
Toluene	0.109	0.00100	"	0.100		109	70-130	3.79	20	
Ethylbenzene	0.113	0.00100	"	0.100		113	70-130	4.05	20	
Xylene (p/m)	0.229	0.00200	"	0.200		115	70-130	3.29	20	
Xylene (o)	0.116	0.00100	"	0.100		116	70-130	0.858	20	
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		95.3	75-125			
Surrogate: 4-Bromofluorobenzene	0.121		"	0.120		101	75-125			

Calibration Blank (P0C0907-CCB1)

Prepared & Analyzed: 03/09/20

Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.115		"	0.120		95.9	75-125			
Surrogate: 1,4-Difluorobenzene	0.110		"	0.120		91.7	75-125			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0C0907 - General Preparation (GC)

Calibration Blank (P0C0907-CCB2)

Prepared & Analyzed: 03/09/20

Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.113		"	0.120		94.3	75-125			
Surrogate: 4-Bromofluorobenzene	0.121		"	0.120		101	75-125			

Calibration Blank (P0C0907-CCB3)

Prepared: 03/09/20 Analyzed: 03/10/20

Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.117		"	0.120		97.3	75-125			
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.8	75-125			

Calibration Check (P0C0907-CCV1)

Prepared & Analyzed: 03/09/20

Benzene	0.107	0.00100	mg/kg wet	0.100		107	80-120			
Toluene	0.106	0.00100	"	0.100		106	80-120			
Ethylbenzene	0.109	0.00100	"	0.100		109	80-120			
Xylene (p/m)	0.214	0.00200	"	0.200		107	80-120			
Xylene (o)	0.107	0.00100	"	0.100		107	80-120			
Surrogate: 4-Bromofluorobenzene	0.113		"	0.120		94.5	75-125			
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		95.3	75-125			

Calibration Check (P0C0907-CCV2)

Prepared & Analyzed: 03/09/20

Benzene	0.104	0.00100	mg/kg wet	0.100		104	80-120			
Toluene	0.103	0.00100	"	0.100		103	80-120			
Ethylbenzene	0.104	0.00100	"	0.100		104	80-120			
Xylene (p/m)	0.205	0.00200	"	0.200		103	80-120			
Xylene (o)	0.108	0.00100	"	0.100		108	80-120			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.0	75-125			
Surrogate: 4-Bromofluorobenzene	0.125		"	0.120		104	75-125			

Permian Basin Environmental Lab, L.P.

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Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

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Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0C0907 - General Preparation (GC)

Calibration Check (P0C0907-CCV3)

Prepared: 03/09/20 Analyzed: 03/10/20

Benzene	0.102	0.00100	mg/kg wet	0.100		102	80-120			
Toluene	0.101	0.00100	"	0.100		101	80-120			
Ethylbenzene	0.102	0.00100	"	0.100		102	80-120			
Xylene (p/m)	0.198	0.00200	"	0.200		99.1	80-120			
Xylene (o)	0.105	0.00100	"	0.100		105	80-120			
Surrogate: 4-Bromofluorobenzene	0.123		"	0.120		102	75-125			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.8	75-125			

Matrix Spike (P0C0907-MS1)

Source: 0C09002-01

Prepared & Analyzed: 03/09/20

Benzene	0.0877	0.00106	mg/kg dry	0.106	ND	82.5	80-120			
Toluene	0.0738	0.00106	"	0.106	ND	69.4	80-120			QM-07
Ethylbenzene	0.0942	0.00106	"	0.106	ND	88.6	80-120			
Xylene (p/m)	0.151	0.00213	"	0.213	ND	70.8	80-120			QM-07
Xylene (o)	0.0858	0.00106	"	0.106	ND	80.6	80-120			
Surrogate: 4-Bromofluorobenzene	0.132		"	0.128		103	75-125			
Surrogate: 1,4-Difluorobenzene	0.124		"	0.128		97.0	75-125			

Matrix Spike Dup (P0C0907-MSD1)

Source: 0C09002-01

Prepared: 03/09/20 Analyzed: 03/10/20

Benzene	0.0825	0.00106	mg/kg dry	0.106	ND	77.6	80-120	6.09	20	QM-07
Toluene	0.0599	0.00106	"	0.106	ND	56.3	80-120	20.8	20	QM-07
Ethylbenzene	0.0779	0.00106	"	0.106	ND	73.2	80-120	19.0	20	QM-07
Xylene (p/m)	0.129	0.00213	"	0.213	ND	60.8	80-120	15.2	20	QM-07
Xylene (o)	0.0811	0.00106	"	0.106	ND	76.3	80-120	5.54	20	QM-07
Surrogate: 4-Bromofluorobenzene	0.128		"	0.128		100	75-125			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.128		96.6	75-125			

Batch P0C0908 - General Preparation (GC)

Blank (P0C0908-BLK1)

Prepared: 03/09/20 Analyzed: 03/10/20

Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.117		"	0.120		97.5	75-125			
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.9	75-125			

Permian Basin Environmental Lab, L.P.

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Larson & Associates, Inc.
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Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0C0908 - General Preparation (GC)

LCS (P0C0908-BS1)

Prepared: 03/09/20 Analyzed: 03/10/20

Benzene	0.105	0.00100	mg/kg wet	0.100		105	70-130			
Toluene	0.103	0.00100	"	0.100		103	70-130			
Ethylbenzene	0.100	0.00100	"	0.100		100	70-130			
Xylene (p/m)	0.210	0.00200	"	0.200		105	70-130			
Xylene (o)	0.110	0.00100	"	0.100		110	70-130			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.1	75-125			
Surrogate: 4-Bromofluorobenzene	0.124		"	0.120		103	75-125			

LCS Dup (P0C0908-BSD1)

Prepared: 03/09/20 Analyzed: 03/10/20

Benzene	0.105	0.00100	mg/kg wet	0.100		105	70-130	0.0855	20	
Toluene	0.102	0.00100	"	0.100		102	70-130	0.770	20	
Ethylbenzene	0.103	0.00100	"	0.100		103	70-130	2.89	20	
Xylene (p/m)	0.205	0.00200	"	0.200		103	70-130	2.01	20	
Xylene (o)	0.109	0.00100	"	0.100		109	70-130	1.36	20	
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.7	75-125			
Surrogate: 4-Bromofluorobenzene	0.122		"	0.120		101	75-125			

Calibration Blank (P0C0908-CCB1)

Prepared: 03/09/20 Analyzed: 03/10/20

Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.117		"	0.120		97.3	75-125			
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.8	75-125			

Calibration Blank (P0C0908-CCB2)

Prepared: 03/09/20 Analyzed: 03/10/20

Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.119		"	0.120		99.0	75-125			
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.2	75-125			

Permian Basin Environmental Lab, L.P.

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Project: Select Energy Cowtown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0C0908 - General Preparation (GC)

Calibration Check (P0C0908-CCV1)

Prepared: 03/09/20 Analyzed: 03/10/20

Benzene	0.102	0.00100	mg/kg wet	0.100		102	80-120			
Toluene	0.101	0.00100	"	0.100		101	80-120			
Ethylbenzene	0.102	0.00100	"	0.100		102	80-120			
Xylene (p/m)	0.198	0.00200	"	0.200		99.1	80-120			
Xylene (o)	0.105	0.00100	"	0.100		105	80-120			
Surrogate: 4-Bromofluorobenzene	0.123		"	0.120		102	75-125			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.8	75-125			

Calibration Check (P0C0908-CCV2)

Prepared: 03/09/20 Analyzed: 03/10/20

Benzene	0.100	0.00100	mg/kg wet	0.100		100	80-120			
Toluene	0.0989	0.00100	"	0.100		98.9	80-120			
Ethylbenzene	0.0992	0.00100	"	0.100		99.2	80-120			
Xylene (p/m)	0.190	0.00200	"	0.200		95.2	80-120			
Xylene (o)	0.102	0.00100	"	0.100		102	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.7	75-125			
Surrogate: 4-Bromofluorobenzene	0.121		"	0.120		100	75-125			

Calibration Check (P0C0908-CCV3)

Prepared: 03/09/20 Analyzed: 03/10/20

Benzene	0.100	0.00100	mg/kg wet	0.100		100	80-120			
Toluene	0.0982	0.00100	"	0.100		98.2	80-120			
Ethylbenzene	0.101	0.00100	"	0.100		101	80-120			
Xylene (p/m)	0.192	0.00200	"	0.200		96.2	80-120			
Xylene (o)	0.104	0.00100	"	0.100		104	80-120			
Surrogate: 4-Bromofluorobenzene	0.125		"	0.120		104	75-125			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		97.0	75-125			

Matrix Spike (P0C0908-MS1)

Source: 0C09006-01

Prepared: 03/09/20 Analyzed: 03/10/20

Benzene	0.0790	0.00116	mg/kg dry	0.116	ND	67.9	80-120			QM-07
Toluene	0.0552	0.00116	"	0.116	ND	47.5	80-120			QM-07
Ethylbenzene	0.0440	0.00116	"	0.116	ND	37.8	80-120			QM-07
Xylene (p/m)	0.0669	0.00233	"	0.233	ND	28.8	80-120			QM-07
Xylene (o)	0.0419	0.00116	"	0.116	ND	36.0	80-120			QM-07
Surrogate: 4-Bromofluorobenzene	0.140		"	0.140		100	75-125			
Surrogate: 1,4-Difluorobenzene	0.137		"	0.140		98.4	75-125			

Permian Basin Environmental Lab, L.P.

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Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0C0908 - General Preparation (GC)

Matrix Spike Dup (P0C0908-MSD1)		Source: 0C09006-01		Prepared: 03/09/20		Analyzed: 03/10/20				
Benzene	0.0733	0.00116	mg/kg dry	0.116	ND	63.1	80-120	7.47	20	QM-07
Toluene	0.0460	0.00116	"	0.116	ND	39.6	80-120	18.3	20	QM-07
Ethylbenzene	0.0332	0.00116	"	0.116	ND	28.6	80-120	27.8	20	QM-07
Xylene (p/m)	0.0388	0.00233	"	0.233	ND	16.7	80-120	53.2	20	QM-07
Xylene (o)	0.0293	0.00116	"	0.116	ND	25.2	80-120	35.2	20	QM-07
Surrogate: 1,4-Difluorobenzene	0.137		"	0.140		98.4	75-125			
Surrogate: 4-Bromofluorobenzene	0.134		"	0.140		95.9	75-125			

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General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0C0912 - * DEFAULT PREP *****

LCS (P0C0912-BS1)				Prepared & Analyzed: 03/09/20						
Chloride	396	1.00	mg/kg wet	400		99.0	80-120			
LCS Dup (P0C0912-BSD1)				Prepared & Analyzed: 03/09/20						
Chloride	397	1.00	mg/kg wet	400		99.2	80-120	0.189	20	
Matrix Spike (P0C0912-MS1)				Source: 0C09001-01		Prepared & Analyzed: 03/09/20				
Chloride	4980	11.9	mg/kg dry	4760	295	98.5	80-120			
Matrix Spike (P0C0912-MS2)				Source: 0C09003-02		Prepared: 03/10/20 Analyzed: 03/09/20				
Chloride	16900	25.3	mg/kg dry	10100	1370	154	80-120			QM-07
Matrix Spike Dup (P0C0912-MSD1)				Source: 0C09001-01		Prepared & Analyzed: 03/09/20				
Chloride	4990	11.9	mg/kg dry	4760	295	98.7	80-120	0.220	20	

Batch P0C1002 - * DEFAULT PREP *****

Blank (P0C1002-BLK1)				Prepared & Analyzed: 03/10/20						
% Moisture	ND	0.1	%							
Duplicate (P0C1002-DUP1)				Source: 0C08004-04		Prepared & Analyzed: 03/10/20				
% Moisture	11.0	0.1	%		15.0			30.8	20	
Duplicate (P0C1002-DUP2)				Source: 0C09003-12		Prepared & Analyzed: 03/10/20				
% Moisture	3.0	0.1	%		3.0			0.00	20	
Duplicate (P0C1002-DUP3)				Source: 0C09006-10		Prepared & Analyzed: 03/10/20				
% Moisture	16.0	0.1	%		15.0			6.45	20	

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Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0C0909 - TX 1005

Blank (P0C0909-BLK1)

Prepared & Analyzed: 03/09/20

C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	107		"	100		107	70-130			
Surrogate: o-Terphenyl	56.5		"	50.0		113	70-130			

LCS (P0C0909-BS1)

Prepared & Analyzed: 03/09/20

C6-C12	974	25.0	mg/kg wet	1000		97.4	75-125			
>C12-C28	1000	25.0	"	1000		100	75-125			
Surrogate: 1-Chlorooctane	113		"	100		113	70-130			
Surrogate: o-Terphenyl	57.9		"	50.0		116	70-130			

LCS Dup (P0C0909-BSD1)

Prepared & Analyzed: 03/09/20

C6-C12	955	25.0	mg/kg wet	1000		95.5	75-125	1.95	20	
>C12-C28	982	25.0	"	1000		98.2	75-125	1.82	20	
Surrogate: 1-Chlorooctane	110		"	100		110	70-130			
Surrogate: o-Terphenyl	52.7		"	50.0		105	70-130			

Calibration Blank (P0C0909-CCB1)

Prepared & Analyzed: 03/09/20

C6-C12	16.4		mg/kg wet							
>C12-C28	6.41		"							
Surrogate: 1-Chlorooctane	109		"	100		109	70-130			
Surrogate: o-Terphenyl	57.6		"	50.0		115	70-130			

Calibration Blank (P0C0909-CCB2)

Prepared & Analyzed: 03/09/20

C6-C12	15.4		mg/kg wet							
>C12-C28	6.40		"							
Surrogate: 1-Chlorooctane	113		"	100		113	70-130			
Surrogate: o-Terphenyl	60.2		"	50.0		120	70-130			

Permian Basin Environmental Lab, L.P.

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Project Number: 19-0179-02
Project Manager: Mark Larson

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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0C0909 - TX 1005

Calibration Check (P0C0909-CCV1)

Prepared & Analyzed: 03/09/20

C6-C12	503	25.0	mg/kg wet	500		101	85-115			
>C12-C28	500	25.0	"	500		100	85-115			
Surrogate: 1-Chlorooctane	106		"	100		106	70-130			
Surrogate: o-Terphenyl	53.6		"	50.0		107	70-130			

Calibration Check (P0C0909-CCV2)

Prepared & Analyzed: 03/09/20

C6-C12	511	25.0	mg/kg wet	500		102	85-115			
>C12-C28	544	25.0	"	500		109	85-115			
Surrogate: 1-Chlorooctane	111		"	100		111	70-130			
Surrogate: o-Terphenyl	54.6		"	50.0		109	70-130			

Matrix Spike (P0C0909-MS1)

Source: 0C09003-11

Prepared: 03/09/20 Analyzed: 03/10/20

C6-C12	1090	26.0	mg/kg dry	1040	16.5	103	75-125			
>C12-C28	1130	26.0	"	1040	ND	108	75-125			
Surrogate: 1-Chlorooctane	116		"	104		112	70-130			
Surrogate: o-Terphenyl	54.9		"	52.1		105	70-130			

Matrix Spike Dup (P0C0909-MSD1)

Source: 0C09003-11

Prepared: 03/09/20 Analyzed: 03/10/20

C6-C12	1080	26.0	mg/kg dry	1040	16.5	102	75-125	0.727	20	
>C12-C28	1120	26.0	"	1040	ND	108	75-125	0.411	20	
Surrogate: 1-Chlorooctane	122		"	104		117	70-130			
Surrogate: o-Terphenyl	56.1		"	52.1		108	70-130			

Batch P0C0910 - TX 1005

Blank (P0C0910-BLK1)

Prepared: 03/09/20 Analyzed: 03/10/20

C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	109		"	100		109	70-130			
Surrogate: o-Terphenyl	57.7		"	50.0		115	70-130			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0C0910 - TX 1005

LCS (P0C0910-BS1)

Prepared: 03/09/20 Analyzed: 03/10/20

C6-C12	1020	25.0	mg/kg wet	1000		102	75-125			
>C12-C28	1070	25.0	"	1000		107	75-125			
Surrogate: 1-Chlorooctane	117		"	100		117	70-130			
Surrogate: o-Terphenyl	57.4		"	50.0		115	70-130			

LCS Dup (P0C0910-BSD1)

Prepared: 03/09/20 Analyzed: 03/10/20

C6-C12	1000	25.0	mg/kg wet	1000		100	75-125	1.44	20	
>C12-C28	1060	25.0	"	1000		106	75-125	1.05	20	
Surrogate: 1-Chlorooctane	120		"	100		120	70-130			
Surrogate: o-Terphenyl	56.8		"	50.0		114	70-130			

Calibration Blank (P0C0910-CCB1)

Prepared: 03/09/20 Analyzed: 03/10/20

C6-C12	15.5		mg/kg wet							
>C12-C28	3.58		"							
Surrogate: 1-Chlorooctane	112		"	100		112	70-130			
Surrogate: o-Terphenyl	59.5		"	50.0		119	70-130			

Calibration Blank (P0C0910-CCB2)

Prepared: 03/09/20 Analyzed: 03/10/20

C6-C12	18.2		mg/kg wet							
>C12-C28	5.01		"							
Surrogate: 1-Chlorooctane	113		"	100		113	70-130			
Surrogate: o-Terphenyl	59.8		"	50.0		120	70-130			

Calibration Check (P0C0910-CCV1)

Prepared: 03/09/20 Analyzed: 03/10/20

C6-C12	514	25.0	mg/kg wet	500		103	85-115			
>C12-C28	528	25.0	"	500		106	85-115			
Surrogate: 1-Chlorooctane	110		"	100		110	70-130			
Surrogate: o-Terphenyl	53.6		"	50.0		107	70-130			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowtown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0C0910 - TX 1005

Calibration Check (P0C0910-CCV2)

Prepared: 03/09/20 Analyzed: 03/10/20

C6-C12	517	25.0	mg/kg wet	500		103	85-115			
>C12-C28	541	25.0	"	500		108	85-115			
Surrogate: 1-Chlorooctane	111		"	100		111	70-130			
Surrogate: o-Terphenyl	54.2		"	50.0		108	70-130			

Calibration Check (P0C0910-CCV3)

Prepared: 03/09/20 Analyzed: 03/10/20

C6-C12	505	25.0	mg/kg wet	500		101	85-115			
>C12-C28	529	25.0	"	500		106	85-115			
Surrogate: 1-Chlorooctane	110		"	100		110	70-130			
Surrogate: o-Terphenyl	54.5		"	50.0		109	70-130			

Matrix Spike (P0C0910-MS1)

Source: 0C09003-12

Prepared: 03/09/20 Analyzed: 03/10/20

C6-C12	490	25.8	mg/kg dry	1030	14.7	46.1	75-125			QM-06
>C12-C28	455	25.8	"	1030	ND	44.2	75-125			QM-06
Surrogate: 1-Chlorooctane	63.4		"	103		61.5	70-130			S-GC1
Surrogate: o-Terphenyl	27.7		"	51.5		53.8	70-130			S-GC1

Matrix Spike Dup (P0C0910-MSD1)

Source: 0C09003-12

Prepared: 03/09/20 Analyzed: 03/10/20

C6-C12	652	25.8	mg/kg dry	1030	14.7	61.8	75-125	29.2	20	QM-06
>C12-C28	648	25.8	"	1030	ND	62.9	75-125	34.9	20	QM-06
Surrogate: 1-Chlorooctane	80.4		"	103		77.9	70-130			
Surrogate: o-Terphenyl	33.8		"	51.5		65.6	70-130			S-GC

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

Notes and Definitions

S-GC1 Surrogate recovery outside of control limits. A second analysis confirmed the original results..

S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

ROI Received on Ice

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

QM-06 Due to noted non-homogeneity of the QC sample matrix, the MS/MSD did not provide reliable results for accuracy and precision. Sample results for the QC batch were accepted based on LCS/LCSD percent recoveries and RPD values.

BULK Samples received in Bulk soil containers

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

3/13/2020

Brent Barron, Laboratory Director/Technical Director

Larson & Associates, Inc.

Project: Select Energy Cowntown North

Fax: (432) 687-0456

P.O. Box 50685

Project Number: 19-0179-02

Midland TX, 79710

Project Manager: Mark Larson

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If you have received this material in error, please notify us immediately at 432-686-7235.

Page 28 of 28

DATE: 3/9/2020 PAGE 1 OF 1
PO#: _____ LAB WORK ORDER#: 0009003
PROJECT LOCATION OR NAME: Cawston North
LAI PROJECT #: 19-0179-02 COLLECTOR: RD

HCl
HNO ₃
H ₂ SO ₄ ☐ NaOH ☐
ICE
UNPRESSED

Field
Sample I.D.

of Containers

AA

ANALYSES
EX-1 MTR
PH

ANALYSES		FIELD NO.
TEX. MTBE	☐	
TRPH 418-1	☐	
GASOLINE MOD 8015	☐	
DIESEL - MOD 8015	☒	
OIL - MOD 8015	☒	
VOC 8280	☒	
SVOC 8270	☐	
8081 PESTICIDES	☐	
8082 PCBs	☐	
TBLP - METALS (RCRA)	☐	
TCLP - PEST	☐	
TOTAL METALS (RCRA)	☐	
LEAD - TOTAL	☐	
RCI	☐	
TDS	☐	
pH	☐	
EXPLOSIVES	☐	
CHLORIDE	☒	
TPH 1006	☐	
TPH 1008	☐	
8151 HERBICIDES	☐	
HOLDPAH	☐	
8151 HERBICIDES	☐	
TCLP VOC	☐	
Semi-VOC	☐	
OTHER VOC	☐	
OTHER ISTD	☐	
TCLP	☐	
% MOISTURE	☐	
FLASHPOINT	☐	
HEXAVALENT CHROMIUM	☐	
PECHLORATE	☐	
CYANIDE	☐	
ALKALINITY	☐	

FIELD NOTES

BF caliche 1	1	3/10/20	11:55	S	1			X	X	X	X
BF caliche 2	2		11:56								
BF caliche 3	3		11:57								
BF caliche 4	4		11:58								
BF caliche 5	5		11:59								
BF caliche 6	6		12:00								
BF sand 1	7		12:01								
BF sand 2	8		12:02								
BF sand 3	9		12:03								
BF sand 4	10		12:04								
BF sand 5	11		12:05								
BF sand 6	12		12:06								

TOTAL 12

REINQUISHED BY: (Signature)

DATE/TIME

RECEIVED BY: (Signature)

RELINQUISHED BY: (Signature)

DATE/TIME

RECEIVED BY: (Signature)

RELINQUISHED BY: (Signature)

DATE/TIME

RECEIVED BY: (Signature)

LABORATORY: DBEL

TURN AROUND TIME

NORMAL

1 DAY ~~1 DAY~~

2 DAY ☒ 146

2 DAY ☒ PUSH
OTHER ☐ DATE

OTHER ☒ 6 (U) 124

LABORATORY USE ONLY:

RECEIVING TEMP: -3.9+10-27 THERM#

CUSTODY SEALS - ☐ BROKEN ☒ INTACT ☐ NOT USED

☐ CARRIER BILL #☒ HAND DELIVERED

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

Mark Larson
Larson & Associates, Inc.
P.O. Box 50685
Midland, TX 79710

Project: Select Energy Cowtown North

Project Number: 19-0179-02

Location: New Mexico

Lab Order Number: 0C25002



NELAP/TCEQ # T104704516-18-9

Report Date: 03/29/20

Larson & Associates, Inc.	Project: Select Energy Cowntown North	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 19-0179-02	
Midland TX, 79710	Project Manager: Mark Larson	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
C-6	0C25002-01	Soil	03/24/20 11:10	03-25-2020 08:44

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowtown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

C-6
0C25002-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00106	mg/kg dry	1	P0C2602	03/26/20	03/26/20	EPA 8021B
Toluene	ND	0.00106	mg/kg dry	1	P0C2602	03/26/20	03/26/20	EPA 8021B
Ethylbenzene	ND	0.00106	mg/kg dry	1	P0C2602	03/26/20	03/26/20	EPA 8021B
Xylene (p/m)	ND	0.00213	mg/kg dry	1	P0C2602	03/26/20	03/26/20	EPA 8021B
Xylene (o)	ND	0.00106	mg/kg dry	1	P0C2602	03/26/20	03/26/20	EPA 8021B
Surrogate: 4-Bromofluorobenzene		110 %	75-125		P0C2602	03/26/20	03/26/20	EPA 8021B
Surrogate: 1,4-Difluorobenzene		90.5 %	75-125		P0C2602	03/26/20	03/26/20	EPA 8021B

General Chemistry Parameters by EPA / Standard Methods

Chloride	7.85	1.06	mg/kg dry	1	P0C2705	03/27/20	03/27/20	EPA 300.0
% Moisture	6.0	0.1	%	1	P0C2601	03/26/20	03/26/20	ASTM D2216

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.6	mg/kg dry	1	P0C2504	03/25/20	03/25/20	TPH 8015M
>C12-C28	ND	26.6	mg/kg dry	1	P0C2504	03/25/20	03/25/20	TPH 8015M
>C28-C35	ND	26.6	mg/kg dry	1	P0C2504	03/25/20	03/25/20	TPH 8015M
Surrogate: 1-Chlorooctane		85.9 %	70-130		P0C2504	03/25/20	03/25/20	TPH 8015M
Surrogate: o-Terphenyl		97.7 %	70-130		P0C2504	03/25/20	03/25/20	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	03/25/20	03/25/20	calc

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0C2602 - General Preparation (GC)

Blank (P0C2602-BLK1)

Prepared & Analyzed: 03/26/20

Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.104		"	0.120		86.6	75-125			
Surrogate: 4-Bromofluorobenzene	0.118		"	0.120		98.5	75-125			

LCS (P0C2602-BS1)

Prepared & Analyzed: 03/26/20

Benzene	0.103	0.00100	mg/kg wet	0.100		103	70-130			
Toluene	0.104	0.00100	"	0.100		104	70-130			
Ethylbenzene	0.106	0.00100	"	0.100		106	70-130			
Xylene (p/m)	0.210	0.00200	"	0.200		105	70-130			
Xylene (o)	0.108	0.00100	"	0.100		108	70-130			
Surrogate: 4-Bromofluorobenzene	0.128		"	0.120		107	75-125			
Surrogate: 1,4-Difluorobenzene	0.110		"	0.120		91.5	75-125			

LCS Dup (P0C2602-BSD1)

Prepared & Analyzed: 03/26/20

Benzene	0.115	0.00100	mg/kg wet	0.100		115	70-130	11.0	20	
Toluene	0.114	0.00100	"	0.100		114	70-130	8.75	20	
Ethylbenzene	0.104	0.00100	"	0.100		104	70-130	1.59	20	
Xylene (p/m)	0.226	0.00200	"	0.200		113	70-130	7.06	20	
Xylene (o)	0.105	0.00100	"	0.100		105	70-130	3.58	20	
Surrogate: 4-Bromofluorobenzene	0.125		"	0.120		104	75-125			
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.5	75-125			

Calibration Blank (P0C2602-CCB1)

Prepared & Analyzed: 03/26/20

Benzene	0.390		mg/kg wet							
Toluene	0.970		"							
Ethylbenzene	0.750		"							
Xylene (p/m)	1.47		"							
Xylene (o)	0.300		"							
Surrogate: 4-Bromofluorobenzene	0.120		"	0.120		100	75-125			
Surrogate: 1,4-Difluorobenzene	0.105		"	0.120		87.3	75-125			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0C2602 - General Preparation (GC)

Calibration Check (P0C2602-CCV1)		Prepared & Analyzed: 03/26/20								
Benzene	0.105	0.00100	mg/kg wet	0.100		105	80-120			
Toluene	0.102	0.00100	"	0.100		102	80-120			
Ethylbenzene	0.106	0.00100	"	0.100		106	80-120			
Xylene (p/m)	0.212	0.00200	"	0.200		106	80-120			
Xylene (o)	0.102	0.00100	"	0.100		102	80-120			
Surrogate: 4-Bromofluorobenzene	0.120		"	0.120		100	75-125			
Surrogate: 1,4-Difluorobenzene	0.113		"	0.120		94.2	75-125			

Matrix Spike (P0C2602-MS1)		Source: 0C23004-01		Prepared & Analyzed: 03/26/20						
Benzene	0.0957	0.00115	mg/kg dry	0.115	ND	83.3	80-120			
Toluene	0.0922	0.00115	"	0.115	ND	80.2	80-120			
Ethylbenzene	0.110	0.00115	"	0.115	ND	95.4	80-120			
Xylene (p/m)	0.186	0.00230	"	0.230	ND	80.9	80-120			
Xylene (o)	0.0928	0.00115	"	0.115	ND	80.8	80-120			
Surrogate: 4-Bromofluorobenzene	0.154		"	0.138		112	75-125			
Surrogate: 1,4-Difluorobenzene	0.129		"	0.138		93.9	75-125			

Matrix Spike Dup (P0C2602-MSD1)		Source: 0C23004-01		Prepared & Analyzed: 03/26/20						
Benzene	0.0976	0.00115	mg/kg dry	0.115	ND	84.9	80-120	1.99	20	
Toluene	0.0944	0.00115	"	0.115	ND	82.1	80-120	2.30	20	
Ethylbenzene	0.110	0.00115	"	0.115	ND	95.7	80-120	0.283	20	
Xylene (p/m)	0.185	0.00230	"	0.230	ND	80.3	80-120	0.701	20	
Xylene (o)	0.0900	0.00115	"	0.115	ND	78.3	80-120	3.05	20	QM-07
Surrogate: 1,4-Difluorobenzene	0.129		"	0.138		93.4	75-125			
Surrogate: 4-Bromofluorobenzene	0.150		"	0.138		109	75-125			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0C2601 - * DEFAULT PREP *****

Blank (P0C2601-BLK1)

Prepared & Analyzed: 03/26/20

% Moisture	ND	0.1	%
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Duplicate (P0C2601-DUP1)

Source: 0C25005-03

Prepared & Analyzed: 03/26/20

% Moisture	3.0	0.1	%	2.0	40.0	20
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Duplicate (P0C2601-DUP2)

Source: 0C25008-12

Prepared & Analyzed: 03/26/20

% Moisture	9.0	0.1	%	9.0	0.00	20
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Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0C2504 - TX 1005

Blank (P0C2504-BLK1)

Prepared & Analyzed: 03/25/20

C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	96.0		"	100		96.0	70-130			
Surrogate: o-Terphenyl	51.7		"	50.0		103	70-130			

LCS (P0C2504-BS1)

Prepared & Analyzed: 03/25/20

C6-C12	962	25.0	mg/kg wet	1000		96.2	75-125			
>C12-C28	1140	25.0	"	1000		114	75-125			
Surrogate: 1-Chlorooctane	114		"	100		114	70-130			
Surrogate: o-Terphenyl	49.2		"	50.0		98.3	70-130			

LCS Dup (P0C2504-BSD1)

Prepared & Analyzed: 03/25/20

C6-C12	976	25.0	mg/kg wet	1000		97.6	75-125	1.42	20	
>C12-C28	1170	25.0	"	1000		117	75-125	2.21	20	
Surrogate: 1-Chlorooctane	117		"	100		117	70-130			
Surrogate: o-Terphenyl	50.3		"	50.0		101	70-130			

Calibration Blank (P0C2504-CCB1)

Prepared & Analyzed: 03/25/20

C6-C12	20.6		mg/kg wet							
>C12-C28	16.2		"							
Surrogate: 1-Chlorooctane	103		"	100		103	70-130			
Surrogate: o-Terphenyl	56.1		"	50.0		112	70-130			

Calibration Blank (P0C2504-CCB2)

Prepared & Analyzed: 03/25/20

C6-C12	21.5		mg/kg wet							
>C12-C28	12.7		"							
Surrogate: 1-Chlorooctane	92.5		"	100		92.5	70-130			
Surrogate: o-Terphenyl	50.8		"	50.0		102	70-130			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0C2504 - TX 1005

Calibration Check (P0C2504-CCV1)

Prepared & Analyzed: 03/25/20

C6-C12	500	25.0	mg/kg wet	500		100	85-115			
>C12-C28	542	25.0	"	500		108	85-115			
Surrogate: 1-Chlorooctane	107		"	100		107	70-130			
Surrogate: o-Terphenyl	50.6		"	50.0		101	70-130			

Calibration Check (P0C2504-CCV2)

Prepared & Analyzed: 03/25/20

C6-C12	449	25.0	mg/kg wet	500		89.7	85-115			
>C12-C28	514	25.0	"	500		103	85-115			
Surrogate: 1-Chlorooctane	97.5		"	100		97.5	70-130			
Surrogate: o-Terphenyl	45.4		"	50.0		90.7	70-130			

Matrix Spike (P0C2504-MS1)

Source: 0C25003-07

Prepared & Analyzed: 03/25/20

C6-C12	874	26.6	mg/kg dry	1060	18.4	80.4	75-125			
>C12-C28	1030	26.6	"	1060	18.7	95.3	75-125			
Surrogate: 1-Chlorooctane	107		"	106		101	70-130			
Surrogate: o-Terphenyl	45.8		"	53.2		86.2	70-130			

Matrix Spike Dup (P0C2504-MSD1)

Source: 0C25003-07

Prepared & Analyzed: 03/25/20

C6-C12	860	26.6	mg/kg dry	1060	18.4	79.1	75-125	1.61	20	
>C12-C28	1040	26.6	"	1060	18.7	95.9	75-125	0.582	20	
Surrogate: 1-Chlorooctane	106		"	106		99.5	70-130			
Surrogate: o-Terphenyl	45.2		"	53.2		84.9	70-130			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

Notes and Definitions

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

BULK Samples received in Bulk soil containers

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

3/29/2020

Brent Barron, Laboratory Director/Technical Director

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

If you have received this material in error, please notify us immediately at 432-686-7235.

507 N. Marienfeld, Ste. 200
Midland, TX 79701
432-687-0901

DATE: 3/25/2020 PAGE 1 OF 1
PO#: _____ LAB WORK ORDER#: 0025002
PROJECT LOCATION OR NAME: Cowtown North
LAI PROJECT #: 19-0179 02 COLLECTOR: RO

Data Reported to:

[illegible]

TOTAL

RELINQUISHED BY: (Signature)

DATE/TIME

RECEIVED BY: (Signature)

RELINQUISHED BY: (Signature)

DATE/TIME

RECEIVED BY: (Signature)

RELINQUISHED BY: (Signature)

DATE/TIME

RECEIVED BY: (Signature)

LABORATORY:

TURN AROUND TIME

NORMAL

1 DAY ☐2 DAY ☐

OTHER ☒ **SAD**

LABORATORY USE ONLY:

RECEIVING TEMP: 2.0/3.0 THERM#: L2

CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED

☐ CARRIER BILL #☐ HAND DELIVERED

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

Mark Larson
Larson & Associates, Inc.
P.O. Box 50685
Midland, TX 79710

Project: Select Energy Cowtown North

Project Number: 19-0179-02

Location:

Lab Order Number: 9J14007



NELAP/TCEQ # T104704516-18-9

Report Date: 10/25/19

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowtown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
HA-1 (0.5')	9J14007-01	Soil	10/11/19 11:51	10-13-2019 14:30
HA-1 (1')	9J14007-02	Soil	10/11/19 11:51	10-13-2019 14:30
HA-2 (0.5')	9J14007-03	Soil	10/11/19 11:52	10-13-2019 14:30
HA-2 (1')	9J14007-04	Soil	10/11/19 11:53	10-13-2019 14:30
HA-3 (0.5')	9J14007-05	Soil	10/11/19 11:54	10-13-2019 14:30
HA-3 (1')	9J14007-06	Soil	10/11/19 11:55	10-13-2019 14:30
HA-4 (0.5')	9J14007-07	Soil	10/11/19 11:56	10-13-2019 14:30
HA-4 (1')	9J14007-08	Soil	10/11/19 11:57	10-13-2019 14:30
HA-5 (0.5')	9J14007-09	Soil	10/11/19 11:57	10-13-2019 14:30
HA-5 (1')	9J14007-10	Soil	10/11/19 11:58	10-13-2019 14:30
HA-6 (0.5')	9J14007-11	Soil	10/11/19 11:59	10-13-2019 14:30
HA-6 (1')	9J14007-12	Soil	10/11/19 12:00	10-13-2019 14:30
HA-7 (0.5')	9J14007-13	Soil	10/11/19 12:00	10-13-2019 14:30
HA-7 (1')	9J14007-14	Soil	10/11/19 12:05	10-13-2019 14:30
HA-8 (0.5')	9J14007-15	Soil	10/11/19 12:08	10-13-2019 14:30
HA-8 (1')	9J14007-16	Soil	10/11/19 12:07	10-13-2019 14:30
HA-9 (0.5')	9J14007-17	Soil	10/11/19 12:08	10-13-2019 14:30
HA-9 (1')	9J14007-18	Soil	10/11/19 12:09	10-13-2019 14:30
HA-10 (0.5')	9J14007-19	Soil	10/11/19 12:10	10-13-2019 14:30
HA-10 (1')	9J14007-20	Soil	10/11/19 12:15	10-13-2019 14:30
HA-11 (0.5')	9J14007-21	Soil	10/11/19 12:17	10-13-2019 14:30
HA-11 (1')	9J14007-22	Soil	10/11/19 12:21	10-13-2019 14:30

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Midland TX, 79710

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Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

HA-1 (0.5')
9J14007-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00106	mg/kg dry	1	P9J1802	10/18/19	10/18/19	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	P9J1802	10/18/19	10/18/19	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P9J1802	10/18/19	10/18/19	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	P9J1802	10/18/19	10/18/19	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	P9J1802	10/18/19	10/18/19	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		96.9 %	75-125		P9J1802	10/18/19	10/18/19	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		104 %	75-125		P9J1802	10/18/19	10/18/19	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	67.3	1.06	mg/kg dry	1	P9J1811	10/18/19	10/20/19	EPA 300.0	
% Moisture	6.0	0.1	%	1	P9J1602	10/16/19	10/16/19	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.6	mg/kg dry	1	P9J1717	10/17/19	10/18/19	TPH 8015M	
>C12-C28	ND	26.6	mg/kg dry	1	P9J1717	10/17/19	10/18/19	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	P9J1717	10/17/19	10/18/19	TPH 8015M	
Surrogate: 1-Chlorooctane		111 %	70-130		P9J1717	10/17/19	10/18/19	TPH 8015M	
Surrogate: o-Terphenyl		143 %	70-130		P9J1717	10/17/19	10/18/19	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	10/17/19	10/18/19	calc	

Permian Basin Environmental Lab, L.P.

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Larson & Associates, Inc.	Project: Select Energy Cowntown North	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 19-0179-02	
Midland TX, 79710	Project Manager: Mark Larson	

HA-1 (1')
9J14007-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	18.7	1.09	mg/kg dry	1	P9J1901	10/19/19	10/20/19	EPA 300.0	
% Moisture	8.0	0.1	%	1	P9J1602	10/16/19	10/16/19	ASTM D2216	

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowtown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

HA-2 (0.5')
9J14007-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00108	mg/kg dry	1	P9J1802	10/18/19	10/18/19	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P9J1802	10/18/19	10/18/19	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P9J1802	10/18/19	10/18/19	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P9J1802	10/18/19	10/18/19	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P9J1802	10/18/19	10/18/19	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		103 %	75-125		P9J1802	10/18/19	10/18/19	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		87.8 %	75-125		P9J1802	10/18/19	10/18/19	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	4900	26.9	mg/kg dry	25	P9J1901	10/19/19	10/20/19	EPA 300.0	
% Moisture	7.0	0.1	%	1	P9J1602	10/16/19	10/16/19	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.9	mg/kg dry	1	P9J1717	10/17/19	10/18/19	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P9J1717	10/17/19	10/18/19	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P9J1717	10/17/19	10/18/19	TPH 8015M	
Surrogate: 1-Chlorooctane		100 %	70-130		P9J1717	10/17/19	10/18/19	TPH 8015M	
Surrogate: o-Terphenyl		131 %	70-130		P9J1717	10/17/19	10/18/19	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	10/17/19	10/18/19	calc	

Permian Basin Environmental Lab, L.P.

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P.O. Box 50685	Project Number: 19-0179-02	
Midland TX, 79710	Project Manager: Mark Larson	

HA-2 (1')
9J14007-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	5880	26.9	mg/kg dry	25	P9J1901	10/19/19	10/20/19	EPA 300.0	
% Moisture	7.0	0.1	%	1	P9J1602	10/16/19	10/16/19	ASTM D2216	

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Midland TX, 79710

Project: Select Energy Cowtown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

HA-3 (0.5')
9J14007-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00104	mg/kg dry	1	P9J1802	10/18/19	10/18/19	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P9J1802	10/18/19	10/18/19	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P9J1802	10/18/19	10/18/19	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P9J1802	10/18/19	10/18/19	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P9J1802	10/18/19	10/18/19	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		91.6 %	75-125		P9J1802	10/18/19	10/18/19	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		80.7 %	75-125		P9J1802	10/18/19	10/18/19	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	5710	26.0	mg/kg dry	25	P9J1901	10/19/19	10/20/19	EPA 300.0	
% Moisture	4.0	0.1	%	1	P9J1602	10/16/19	10/16/19	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.0	mg/kg dry	1	P9J1717	10/17/19	10/18/19	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P9J1717	10/17/19	10/18/19	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P9J1717	10/17/19	10/18/19	TPH 8015M	
Surrogate: 1-Chlorooctane		108 %	70-130		P9J1717	10/17/19	10/18/19	TPH 8015M	
Surrogate: o-Terphenyl		140 %	70-130		P9J1717	10/17/19	10/18/19	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	10/17/19	10/18/19	calc	

Permian Basin Environmental Lab, L.P.

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Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

HA-3 (1')
9J14007-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Chloride	958	1.08	mg/kg dry	1	P9J1901	10/19/19	10/20/19	EPA 300.0	
% Moisture	7.0	0.1	%	1	P9J1602	10/16/19	10/16/19	ASTM D2216	

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowtown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

HA-4 (0.5')
9J14007-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00108	mg/kg dry	1	P9J1802	10/18/19	10/18/19	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P9J1802	10/18/19	10/18/19	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P9J1802	10/18/19	10/18/19	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P9J1802	10/18/19	10/18/19	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P9J1802	10/18/19	10/18/19	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		100 %	75-125		P9J1802	10/18/19	10/18/19	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		92.1 %	75-125		P9J1802	10/18/19	10/18/19	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	28.8	1.08	mg/kg dry	1	P9J1901	10/19/19	10/20/19	EPA 300.0	
% Moisture	7.0	0.1	%	1	P9J1602	10/16/19	10/16/19	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.9	mg/kg dry	1	P9J1717	10/17/19	10/18/19	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P9J1717	10/17/19	10/18/19	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P9J1717	10/17/19	10/18/19	TPH 8015M	
Surrogate: 1-Chlorooctane		114 %	70-130		P9J1717	10/17/19	10/18/19	TPH 8015M	
Surrogate: o-Terphenyl		145 %	70-130		P9J1717	10/17/19	10/18/19	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	10/17/19	10/18/19	calc	

Permian Basin Environmental Lab, L.P.

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P.O. Box 50685	Project Number: 19-0179-02	
Midland TX, 79710	Project Manager: Mark Larson	

HA-4 (1')
9J14007-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	59.1	1.09	mg/kg dry	1	P9J1901	10/19/19	10/20/19	EPA 300.0	
% Moisture	8.0	0.1	%	1	P9J1602	10/16/19	10/16/19	ASTM D2216	

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowtown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

HA-5 (0.5')
9J14007-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00111	mg/kg dry	1	P9J1802	10/18/19	10/18/19	EPA 8021B	
Toluene	ND	0.00111	mg/kg dry	1	P9J1802	10/18/19	10/18/19	EPA 8021B	
Ethylbenzene	ND	0.00111	mg/kg dry	1	P9J1802	10/18/19	10/18/19	EPA 8021B	
Xylene (p/m)	ND	0.00222	mg/kg dry	1	P9J1802	10/18/19	10/18/19	EPA 8021B	
Xylene (o)	ND	0.00111	mg/kg dry	1	P9J1802	10/18/19	10/18/19	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		90.3 %	75-125		P9J1802	10/18/19	10/18/19	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		84.3 %	75-125		P9J1802	10/18/19	10/18/19	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	516	1.11	mg/kg dry	1	P9J1901	10/19/19	10/20/19	EPA 300.0	
% Moisture	10.0	0.1	%	1	P9J1602	10/16/19	10/16/19	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.8	mg/kg dry	1	P9J1717	10/17/19	10/18/19	TPH 8015M	
>C12-C28	ND	27.8	mg/kg dry	1	P9J1717	10/17/19	10/18/19	TPH 8015M	
>C28-C35	ND	27.8	mg/kg dry	1	P9J1717	10/17/19	10/18/19	TPH 8015M	
Surrogate: 1-Chlorooctane		113 %	70-130		P9J1717	10/17/19	10/18/19	TPH 8015M	
Surrogate: o-Terphenyl		141 %	70-130		P9J1717	10/17/19	10/18/19	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	ND	27.8	mg/kg dry	1	[CALC]	10/17/19	10/18/19	calc	

Permian Basin Environmental Lab, L.P.

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Fax: (432) 687-0456

P.O. Box 50685

Project Number: 19-0179-02

Midland TX, 79710

Project Manager: Mark Larson

HA-5 (1')**9J14007-10 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.**General Chemistry Parameters by EPA / Standard Methods**

Chloride	721	1.10	mg/kg dry	1	P9J1901	10/19/19	10/20/19	EPA 300.0	
% Moisture	9.0	0.1	%	1	P9J1602	10/16/19	10/16/19	ASTM D2216	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowtown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

HA-6 (0.5')
9J14007-11 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00110	mg/kg dry	1	P9J1802	10/18/19	10/18/19	EPA 8021B	
Toluene	ND	0.00110	mg/kg dry	1	P9J1802	10/18/19	10/18/19	EPA 8021B	
Ethylbenzene	ND	0.00110	mg/kg dry	1	P9J1802	10/18/19	10/18/19	EPA 8021B	
Xylene (p/m)	ND	0.00220	mg/kg dry	1	P9J1802	10/18/19	10/18/19	EPA 8021B	
Xylene (o)	ND	0.00110	mg/kg dry	1	P9J1802	10/18/19	10/18/19	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		95.3 %	75-125		P9J1802	10/18/19	10/18/19	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		83.6 %	75-125		P9J1802	10/18/19	10/18/19	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	7670	27.5	mg/kg dry	25	P9J1901	10/19/19	10/20/19	EPA 300.0	
% Moisture	9.0	0.1	%	1	P9J1602	10/16/19	10/16/19	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.5	mg/kg dry	1	P9J1717	10/17/19	10/18/19	TPH 8015M	
>C12-C28	ND	27.5	mg/kg dry	1	P9J1717	10/17/19	10/18/19	TPH 8015M	
>C28-C35	ND	27.5	mg/kg dry	1	P9J1717	10/17/19	10/18/19	TPH 8015M	
Surrogate: 1-Chlorooctane		110 %	70-130		P9J1717	10/17/19	10/18/19	TPH 8015M	
Surrogate: o-Terphenyl		141 %	70-130		P9J1717	10/17/19	10/18/19	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	ND	27.5	mg/kg dry	1	[CALC]	10/17/19	10/18/19	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.	Project: Select Energy Cowntown North	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 19-0179-02	
Midland TX, 79710	Project Manager: Mark Larson	

HA-6 (1')
9J14007-12 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	2510	11.2	mg/kg dry	10	P9J1901	10/19/19	10/20/19	EPA 300.0	
% Moisture	11.0	0.1	%	1	P9J1602	10/16/19	10/16/19	ASTM D2216	

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowtown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

HA-7 (0.5')
9J14007-13 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00103	mg/kg dry	1	P9J1802	10/18/19	10/18/19	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P9J1802	10/18/19	10/18/19	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P9J1802	10/18/19	10/18/19	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P9J1802	10/18/19	10/18/19	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P9J1802	10/18/19	10/18/19	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		100 %	75-125		P9J1802	10/18/19	10/18/19	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		107 %	75-125		P9J1802	10/18/19	10/18/19	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	5150	25.8	mg/kg dry	25	P9J1901	10/19/19	10/20/19	EPA 300.0	
% Moisture	3.0	0.1	%	1	P9J1602	10/16/19	10/16/19	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.8	mg/kg dry	1	P9J1717	10/17/19	10/18/19	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P9J1717	10/17/19	10/18/19	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P9J1717	10/17/19	10/18/19	TPH 8015M	
Surrogate: 1-Chlorooctane		120 %	70-130		P9J1717	10/17/19	10/18/19	TPH 8015M	
Surrogate: o-Terphenyl		159 %	70-130		P9J1717	10/17/19	10/18/19	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	10/17/19	10/18/19	calc	

Permian Basin Environmental Lab, L.P.

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Larson & Associates, Inc.	Project: Select Energy Cowntown North	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 19-0179-02	
Midland TX, 79710	Project Manager: Mark Larson	

HA-7 (1')
9J14007-14 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	3920	10.6	mg/kg dry	10	P9J1901	10/19/19	10/20/19	EPA 300.0	
% Moisture	6.0	0.1	%	1	P9J1602	10/16/19	10/16/19	ASTM D2216	

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowtown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

HA-8 (0.5')
9J14007-15 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00111	mg/kg dry	1	P9J1802	10/18/19	10/18/19	EPA 8021B	
Toluene	ND	0.00111	mg/kg dry	1	P9J1802	10/18/19	10/18/19	EPA 8021B	
Ethylbenzene	ND	0.00111	mg/kg dry	1	P9J1802	10/18/19	10/18/19	EPA 8021B	
Xylene (p/m)	ND	0.00222	mg/kg dry	1	P9J1802	10/18/19	10/18/19	EPA 8021B	
Xylene (o)	ND	0.00111	mg/kg dry	1	P9J1802	10/18/19	10/18/19	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		95.0 %	75-125		P9J1802	10/18/19	10/18/19	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		83.9 %	75-125		P9J1802	10/18/19	10/18/19	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	30.6	1.11	mg/kg dry	1	P9J1901	10/19/19	10/20/19	EPA 300.0	
% Moisture	10.0	0.1	%	1	P9J1602	10/16/19	10/16/19	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	27.8	mg/kg dry	1	P9J1717	10/17/19	10/18/19	TPH 8015M	
>C12-C28	ND	27.8	mg/kg dry	1	P9J1717	10/17/19	10/18/19	TPH 8015M	
>C28-C35	ND	27.8	mg/kg dry	1	P9J1717	10/17/19	10/18/19	TPH 8015M	
Surrogate: 1-Chlorooctane		100 %	70-130		P9J1717	10/17/19	10/18/19	TPH 8015M	
Surrogate: o-Terphenyl		131 %	70-130		P9J1717	10/17/19	10/18/19	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	ND	27.8	mg/kg dry	1	[CALC]	10/17/19	10/18/19	calc	

Permian Basin Environmental Lab, L.P.

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Larson & Associates, Inc.	Project: Select Energy Cowntown North	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 19-0179-02	
Midland TX, 79710	Project Manager: Mark Larson	

HA-8 (1')
9J14007-16 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	36.9	1.12	mg/kg dry	1	P9J1901	10/19/19	10/20/19	EPA 300.0	
% Moisture	11.0	0.1	%	1	P9J1602	10/16/19	10/16/19	ASTM D2216	

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowtown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

HA-9 (0.5')
9J14007-17 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00101	mg/kg dry	1	P9J1803	10/18/19	10/19/19	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P9J1803	10/18/19	10/19/19	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P9J1803	10/18/19	10/19/19	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P9J1803	10/18/19	10/19/19	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P9J1803	10/18/19	10/19/19	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		80.6 %	75-125		P9J1803	10/18/19	10/19/19	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		91.8 %	75-125		P9J1803	10/18/19	10/19/19	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	33.6	1.01	mg/kg dry	1	P9J1901	10/19/19	10/20/19	EPA 300.0	
% Moisture	1.0	0.1	%	1	P9J1602	10/16/19	10/16/19	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.3	mg/kg dry	1	P9J1717	10/17/19	10/18/19	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P9J1717	10/17/19	10/18/19	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P9J1717	10/17/19	10/18/19	TPH 8015M	
Surrogate: 1-Chlorooctane		110 %	70-130		P9J1717	10/17/19	10/18/19	TPH 8015M	
Surrogate: o-Terphenyl		132 %	70-130		P9J1717	10/17/19	10/18/19	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	10/17/19	10/18/19	calc	

Permian Basin Environmental Lab, L.P.

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Larson & Associates, Inc.	Project: Select Energy Cowntown North	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 19-0179-02	
Midland TX, 79710	Project Manager: Mark Larson	

HA-9 (1')
9J14007-18 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods									
Chloride	16.8	1.02	mg/kg dry	1	P9J1901	10/19/19	10/20/19	EPA 300.0	
% Moisture	2.0	0.1	%	1	P9J1602	10/16/19	10/16/19	ASTM D2216	

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowtown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

HA-10 (0.5')
9J14007-19 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00105	mg/kg dry	1	P9J1803	10/18/19	10/19/19	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P9J1803	10/18/19	10/19/19	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P9J1803	10/18/19	10/19/19	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P9J1803	10/18/19	10/19/19	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P9J1803	10/18/19	10/19/19	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		95.3 %	75-125		P9J1803	10/18/19	10/19/19	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		104 %	75-125		P9J1803	10/18/19	10/19/19	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	10.9	1.05	mg/kg dry	1	P9J1901	10/19/19	10/20/19	EPA 300.0	
% Moisture	5.0	0.1	%	1	P9J1602	10/16/19	10/16/19	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.3	mg/kg dry	1	P9J1718	10/17/19	10/19/19	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P9J1718	10/17/19	10/19/19	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P9J1718	10/17/19	10/19/19	TPH 8015M	
Surrogate: 1-Chlorooctane		96.6 %	70-130		P9J1718	10/17/19	10/19/19	TPH 8015M	
Surrogate: o-Terphenyl		103 %	70-130		P9J1718	10/17/19	10/19/19	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	10/17/19	10/19/19	calc	

Permian Basin Environmental Lab, L.P.

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Larson & Associates, Inc.

Project: Select Energy Cowntown North

Fax: (432) 687-0456

P.O. Box 50685

Project Number: 19-0179-02

Midland TX, 79710

Project Manager: Mark Larson

HA-10 (1')**9J14007-20 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.**General Chemistry Parameters by EPA / Standard Methods**

Chloride	7.98	1.06	mg/kg dry	1	P9J1901	10/19/19	10/20/19	EPA 300.0
% Moisture	6.0	0.1	%	1	P9J1602	10/16/19	10/16/19	ASTM D2216

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowtown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

HA-11 (0.5')
9J14007-21 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00106	mg/kg dry	1	P9J1803	10/18/19	10/19/19	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	P9J1803	10/18/19	10/19/19	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P9J1803	10/18/19	10/19/19	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	P9J1803	10/18/19	10/19/19	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	P9J1803	10/18/19	10/19/19	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		83.8 %	75-125		P9J1803	10/18/19	10/19/19	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		89.4 %	75-125		P9J1803	10/18/19	10/19/19	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	4140	10.6	mg/kg dry	10	P9J1901	10/19/19	10/20/19	EPA 300.0	
% Moisture	6.0	0.1	%	1	P9J1602	10/16/19	10/16/19	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	26.6	mg/kg dry	1	P9J1718	10/17/19	10/19/19	TPH 8015M	
>C12-C28	ND	26.6	mg/kg dry	1	P9J1718	10/17/19	10/19/19	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	P9J1718	10/17/19	10/19/19	TPH 8015M	
Surrogate: 1-Chlorooctane		89.8 %	70-130		P9J1718	10/17/19	10/19/19	TPH 8015M	
Surrogate: o-Terphenyl		97.0 %	70-130		P9J1718	10/17/19	10/19/19	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	10/17/19	10/19/19	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.	Project: Select Energy Cowntown North	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 19-0179-02	
Midland TX, 79710	Project Manager: Mark Larson	

HA-11 (1')
9J14007-22 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Chloride	1410	1.06	mg/kg dry	1	P9J1902	10/19/19	10/20/19	EPA 300.0	
% Moisture	6.0	0.1	%	1	P9J1602	10/16/19	10/16/19	ASTM D2216	

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9J1802 - General Preparation (GC)

Blank (P9J1802-BLK1)

Prepared & Analyzed: 10/18/19

Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		94.8	75-125			
Surrogate: 4-Bromofluorobenzene	0.105		"	0.120		87.4	75-125			

LCS (P9J1802-BS1)

Prepared & Analyzed: 10/18/19

Benzene	0.0825	0.00100	mg/kg wet	0.100		82.5	70-130			
Toluene	0.0979	0.00100	"	0.100		97.9	70-130			
Ethylbenzene	0.106	0.00100	"	0.100		106	70-130			
Xylene (p/m)	0.214	0.00200	"	0.200		107	70-130			
Xylene (o)	0.111	0.00100	"	0.100		111	70-130			
Surrogate: 1,4-Difluorobenzene	0.127		"	0.120		106	75-125			
Surrogate: 4-Bromofluorobenzene	0.132		"	0.120		110	75-125			

LCS Dup (P9J1802-BSD1)

Prepared & Analyzed: 10/18/19

Benzene	0.0809	0.00100	mg/kg wet	0.100		80.9	70-130	1.91	20	
Toluene	0.0946	0.00100	"	0.100		94.6	70-130	3.43	20	
Ethylbenzene	0.0994	0.00100	"	0.100		99.4	70-130	6.02	20	
Xylene (p/m)	0.215	0.00200	"	0.200		108	70-130	0.387	20	
Xylene (o)	0.108	0.00100	"	0.100		108	70-130	2.57	20	
Surrogate: 4-Bromofluorobenzene	0.130		"	0.120		108	75-125			
Surrogate: 1,4-Difluorobenzene	0.127		"	0.120		105	75-125			

Calibration Blank (P9J1802-CCB1)

Prepared & Analyzed: 10/18/19

Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.100		"	0.120		83.6	75-125			
Surrogate: 1,4-Difluorobenzene	0.128		"	0.120		107	75-125			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9J1802 - General Preparation (GC)

Calibration Blank (P9J1802-CCB2)

Prepared & Analyzed: 10/18/19

Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.109		"	0.120		91.1	75-125			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		97.0	75-125			

Calibration Blank (P9J1802-CCB3)

Prepared: 10/18/19 Analyzed: 10/19/19

Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.114		"	0.120		94.6	75-125			
Surrogate: 4-Bromofluorobenzene	0.110		"	0.120		91.6	75-125			

Calibration Check (P9J1802-CCV1)

Prepared & Analyzed: 10/18/19

Benzene	0.0820	0.00100	mg/kg wet	0.100		82.0	80-120			
Toluene	0.0945	0.00100	"	0.100		94.5	80-120			
Ethylbenzene	0.110	0.00100	"	0.100		110	80-120			
Xylene (p/m)	0.205	0.00200	"	0.200		102	80-120			
Xylene (o)	0.0966	0.00100	"	0.100		96.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.125		"	0.120		104	75-125			
Surrogate: 4-Bromofluorobenzene	0.123		"	0.120		102	75-125			

Calibration Check (P9J1802-CCV2)

Prepared & Analyzed: 10/18/19

Benzene	0.0878	0.00100	mg/kg wet	0.100		87.8	80-120			
Toluene	0.0985	0.00100	"	0.100		98.5	80-120			
Ethylbenzene	0.118	0.00100	"	0.100		118	80-120			
Xylene (p/m)	0.215	0.00200	"	0.200		108	80-120			
Xylene (o)	0.106	0.00100	"	0.100		106	80-120			
Surrogate: 1,4-Difluorobenzene	0.139		"	0.120		116	75-125			
Surrogate: 4-Bromofluorobenzene	0.143		"	0.120		119	75-125			

Permian Basin Environmental Lab, L.P.

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Larson & Associates, Inc.
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Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

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Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9J1802 - General Preparation (GC)

Calibration Check (P9J1802-CCV3)

Prepared & Analyzed: 10/18/19

Benzene	0.0856	0.00100	mg/kg wet	0.100		85.6	80-120			
Toluene	0.0956	0.00100	"	0.100		95.6	80-120			
Ethylbenzene	0.106	0.00100	"	0.100		106	80-120			
Xylene (p/m)	0.178	0.00200	"	0.200		89.0	80-120			
Xylene (o)	0.101	0.00100	"	0.100		101	80-120			
Surrogate: 1,4-Difluorobenzene	0.125		"	0.120		104	75-125			
Surrogate: 4-Bromofluorobenzene	0.137		"	0.120		114	75-125			

Matrix Spike (P9J1802-MS1)

Source: 9J14002-01

Prepared & Analyzed: 10/18/19

Benzene	0.106	0.00132	mg/kg dry	0.132	ND	80.4	80-120			
Toluene	0.110	0.00132	"	0.132	ND	83.3	80-120			
Ethylbenzene	0.111	0.00132	"	0.132	ND	84.2	80-120			
Xylene (p/m)	0.246	0.00263	"	0.263	ND	93.6	80-120			
Xylene (o)	0.111	0.00132	"	0.132	ND	84.7	80-120			
Surrogate: 1,4-Difluorobenzene	0.172		"	0.158		109	75-125			
Surrogate: 4-Bromofluorobenzene	0.177		"	0.158		112	75-125			

Matrix Spike Dup (P9J1802-MSD1)

Source: 9J14002-01

Prepared & Analyzed: 10/18/19

Benzene	0.104	0.00132	mg/kg dry	0.132	ND	78.7	80-120	2.12	20	QM-07
Toluene	0.115	0.00132	"	0.132	ND	87.7	80-120	5.19	20	
Ethylbenzene	0.111	0.00132	"	0.132	ND	84.1	80-120	0.107	20	
Xylene (p/m)	0.247	0.00263	"	0.263	ND	93.9	80-120	0.331	20	
Xylene (o)	0.106	0.00132	"	0.132	ND	80.9	80-120	4.66	20	
Surrogate: 4-Bromofluorobenzene	0.176		"	0.158		111	75-125			
Surrogate: 1,4-Difluorobenzene	0.174		"	0.158		110	75-125			

Batch P9J1803 - General Preparation (GC)

Blank (P9J1803-BLK1)

Prepared: 10/18/19 Analyzed: 10/19/19

Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.129		"	0.120		107	75-125			
Surrogate: 4-Bromofluorobenzene	0.127		"	0.120		106	75-125			

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Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9J1803 - General Preparation (GC)

LCS (P9J1803-BS1)

Prepared: 10/18/19 Analyzed: 10/19/19

Benzene	0.0811	0.00100	mg/kg wet	0.100		81.1	70-130			
Toluene	0.0943	0.00100	"	0.100		94.3	70-130			
Ethylbenzene	0.0885	0.00100	"	0.100		88.5	70-130			
Xylene (p/m)	0.198	0.00200	"	0.200		99.1	70-130			
Xylene (o)	0.0908	0.00100	"	0.100		90.8	70-130			
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.2	75-125			
Surrogate: 4-Bromofluorobenzene	0.130		"	0.120		108	75-125			

LCS Dup (P9J1803-BSD1)

Prepared: 10/18/19 Analyzed: 10/19/19

Benzene	0.0845	0.00100	mg/kg wet	0.100		84.5	70-130	4.07	20	
Toluene	0.0929	0.00100	"	0.100		92.9	70-130	1.43	20	
Ethylbenzene	0.0886	0.00100	"	0.100		88.6	70-130	0.113	20	
Xylene (p/m)	0.214	0.00200	"	0.200		107	70-130	7.80	20	
Xylene (o)	0.0921	0.00100	"	0.100		92.1	70-130	1.51	20	
Surrogate: 1,4-Difluorobenzene	0.124		"	0.120		103	75-125			
Surrogate: 4-Bromofluorobenzene	0.137		"	0.120		115	75-125			

Calibration Blank (P9J1803-CCB2)

Prepared: 10/18/19 Analyzed: 10/19/19

Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.103		"	0.120		85.6	75-125			
Surrogate: 4-Bromofluorobenzene	0.0994		"	0.120		82.8	75-125			

Calibration Blank (P9J1803-CCB3)

Prepared: 10/18/19 Analyzed: 10/19/19

Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.112		"	0.120		93.3	75-125			
Surrogate: 4-Bromofluorobenzene	0.0982		"	0.120		81.8	75-125			

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Project: Select Energy Cowtown North
Project Number: 19-0179-02
Project Manager: Mark Larson

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Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9J1803 - General Preparation (GC)

Calibration Check (P9J1803-CCV2)

Prepared: 10/18/19 Analyzed: 10/19/19

Benzene	0.0807	0.00100	mg/kg wet	0.100		80.7	80-120			
Toluene	0.0829	0.00100	"	0.100		82.9	80-120			
Ethylbenzene	0.102	0.00100	"	0.100		102	80-120			
Xylene (p/m)	0.191	0.00200	"	0.200		95.7	80-120			
Xylene (o)	0.0860	0.00100	"	0.100		86.0	80-120			
Surrogate: 4-Bromofluorobenzene	0.124		"	0.120		104	75-125			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	75-125			

Calibration Check (P9J1803-CCV3)

Prepared: 10/18/19 Analyzed: 10/19/19

Benzene	0.0824	0.00100	mg/kg wet	0.100		82.4	80-120			
Toluene	0.0870	0.00100	"	0.100		87.0	80-120			
Ethylbenzene	0.105	0.00100	"	0.100		105	80-120			
Xylene (p/m)	0.195	0.00200	"	0.200		97.4	80-120			
Xylene (o)	0.0876	0.00100	"	0.100		87.6	80-120			
Surrogate: 1,4-Difluorobenzene	0.135		"	0.120		113	75-125			
Surrogate: 4-Bromofluorobenzene	0.133		"	0.120		110	75-125			

Matrix Spike (P9J1803-MS1)

Source: 9J14007-17

Prepared: 10/18/19 Analyzed: 10/19/19

Benzene	0.0552	0.00101	mg/kg dry	0.101	ND	54.7	80-120			QM-07
Toluene	0.0505	0.00101	"	0.101	ND	50.0	80-120			QM-07
Ethylbenzene	0.0717	0.00101	"	0.101	ND	71.0	80-120			QM-07
Xylene (p/m)	0.112	0.00202	"	0.202	ND	55.6	80-120			QM-07
Xylene (o)	0.0569	0.00101	"	0.101	ND	56.3	80-120			QM-07
Surrogate: 4-Bromofluorobenzene	0.126		"	0.121		104	75-125			
Surrogate: 1,4-Difluorobenzene	0.124		"	0.121		103	75-125			

Matrix Spike Dup (P9J1803-MSD1)

Source: 9J14007-17

Prepared: 10/18/19 Analyzed: 10/19/19

Benzene	0.0603	0.00101	mg/kg dry	0.101	ND	59.7	80-120	8.81	20	QM-07
Toluene	0.0681	0.00101	"	0.101	ND	67.4	80-120	29.6	20	QM-07
Ethylbenzene	0.0851	0.00101	"	0.101	ND	84.2	80-120	17.0	20	
Xylene (p/m)	0.130	0.00202	"	0.202	ND	64.4	80-120	14.6	20	QM-07
Xylene (o)	0.0571	0.00101	"	0.101	ND	56.6	80-120	0.443	20	QM-07
Surrogate: 4-Bromofluorobenzene	0.133		"	0.121		109	75-125			
Surrogate: 1,4-Difluorobenzene	0.129		"	0.121		107	75-125			

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Project: Select Energy Cowtown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9J1602 - * DEFAULT PREP *****

Blank (P9J1602-BLK1)	Prepared & Analyzed: 10/16/19									
% Moisture	ND	0.1	%							
Duplicate (P9J1602-DUP1)	Source: 9J14006-14 Prepared & Analyzed: 10/16/19									
% Moisture	4.0	0.1	%		4.0			0.00	20	
Duplicate (P9J1602-DUP2)	Source: 9J14008-01 Prepared & Analyzed: 10/16/19									
% Moisture	6.0	0.1	%		6.0			0.00	20	
Duplicate (P9J1602-DUP3)	Source: 9J15006-04 Prepared & Analyzed: 10/16/19									
% Moisture	26.0	0.1	%		25.0			3.92	20	
Duplicate (P9J1602-DUP4)	Source: 9J15006-18 Prepared & Analyzed: 10/16/19									
% Moisture	6.0	0.1	%		6.0			0.00	20	

Batch P9J1811 - * DEFAULT PREP *****

Blank (P9J1811-BLK1)	Prepared: 10/18/19 Analyzed: 10/20/19									
Chloride	ND	0.100	mg/kg wet							
LCS (P9J1811-BS1)	Prepared: 10/18/19 Analyzed: 10/20/19									
Chloride	438	1.00	mg/kg wet	400		109	80-120			
LCS Dup (P9J1811-BSD1)	Prepared: 10/18/19 Analyzed: 10/20/19									
Chloride	440	1.00	mg/kg wet	400		110	80-120	0.545	20	
Calibration Blank (P9J1811-CCB1)	Prepared: 10/18/19 Analyzed: 10/20/19									
Chloride	0.00		mg/kg wet							

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P9J1811 - *** DEFAULT PREP ***										
Calibration Blank (P9J1811-CCB2)				Prepared: 10/18/19 Analyzed: 10/20/19						
Chloride	0.00		mg/kg wet							
Calibration Check (P9J1811-CCV1)				Prepared: 10/18/19 Analyzed: 10/20/19						
Chloride	20.1		mg/kg	20.0		100	0-200			
Calibration Check (P9J1811-CCV2)				Prepared: 10/18/19 Analyzed: 10/20/19						
Chloride	20.2		mg/kg	20.0		101	0-200			
Calibration Check (P9J1811-CCV3)				Prepared: 10/18/19 Analyzed: 10/20/19						
Chloride	19.7		mg/kg	20.0		98.5	0-200			
Matrix Spike (P9J1811-MS1)				Source: 9J12020-24		Prepared: 10/18/19 Analyzed: 10/20/19				
Chloride	12600	28.4	mg/kg dry	2840	9740	102	80-120			
Matrix Spike (P9J1811-MS2)				Source: 9J14006-10		Prepared: 10/18/19 Analyzed: 10/20/19				
Chloride	7270	26.0	mg/kg dry	2600	6650	24.0	80-120			QM-07
Matrix Spike Dup (P9J1811-MSD1)				Source: 9J12020-24		Prepared: 10/18/19 Analyzed: 10/20/19				
Chloride	12300	28.4	mg/kg dry	2840	9740	91.8	80-120	2.36	20	
Matrix Spike Dup (P9J1811-MSD2)				Source: 9J14006-10		Prepared: 10/18/19 Analyzed: 10/20/19				
Chloride	9970	26.0	mg/kg dry	2600	6650	127	80-120	31.2	20	QM-07
Batch P9J1901 - *** DEFAULT PREP ***										
Blank (P9J1901-BLK1)				Prepared: 10/19/19 Analyzed: 10/20/19						
Chloride	ND	0.100	mg/kg wet							

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9J1901 - * DEFAULT PREP *****

LCS (P9J1901-BS1)				Prepared: 10/19/19 Analyzed: 10/20/19						
Chloride	449	1.00	mg/kg wet	400		112	80-120			
LCS Dup (P9J1901-BSD1)				Prepared: 10/19/19 Analyzed: 10/20/19						
Chloride	441	1.00	mg/kg wet	400		110	80-120	1.83	20	
Calibration Blank (P9J1901-CCB1)				Prepared: 10/19/19 Analyzed: 10/20/19						
Chloride	0.00		mg/kg wet							
Calibration Blank (P9J1901-CCB2)				Prepared: 10/19/19 Analyzed: 10/20/19						
Chloride	0.00		mg/kg wet							
Calibration Check (P9J1901-CCV1)				Prepared: 10/19/19 Analyzed: 10/20/19						
Chloride	19.7		mg/kg	20.0		98.5	0-200			
Calibration Check (P9J1901-CCV2)				Prepared: 10/19/19 Analyzed: 10/20/19						
Chloride	20.5		mg/kg	20.0		102	0-200			
Calibration Check (P9J1901-CCV3)				Prepared: 10/19/19 Analyzed: 10/20/19						
Chloride	20.4		mg/kg	20.0		102	0-200			
Matrix Spike (P9J1901-MS1)		Source: 9J14007-03		Prepared: 10/19/19 Analyzed: 10/20/19						
Chloride	8240	26.9	mg/kg dry	2690	4900	124	80-120			QM-07
Matrix Spike (P9J1901-MS2)		Source: 9J14007-12		Prepared: 10/19/19 Analyzed: 10/20/19						
Chloride	3750	11.2	mg/kg dry	1120	2510	110	80-120			
Matrix Spike Dup (P9J1901-MSD1)		Source: 9J14007-03		Prepared: 10/19/19 Analyzed: 10/20/19						
Chloride	8070	26.9	mg/kg dry	2690	4900	118	80-120	2.14	20	

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General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9J1901 - * DEFAULT PREP *****

Matrix Spike Dup (P9J1901-MSD2)	Source: 9J14007-12			Prepared: 10/19/19		Analyzed: 10/20/19				
Chloride	3260	11.2	mg/kg dry	1120	2510	66.7	80-120	13.9	20	QM-07

Batch P9J1902 - * DEFAULT PREP *****

Blank (P9J1902-BLK1)				Prepared: 10/19/19		Analyzed: 10/20/19				
Chloride	ND	0.100	mg/kg wet							
LCS (P9J1902-BS1)				Prepared: 10/19/19		Analyzed: 10/20/19				
Chloride	449	1.00	mg/kg wet	400		112	80-120			
LCS Dup (P9J1902-BSD1)				Prepared: 10/19/19		Analyzed: 10/20/19				
Chloride	447	1.00	mg/kg wet	400		112	80-120	0.487	20	
Calibration Blank (P9J1902-CCB1)				Prepared: 10/19/19		Analyzed: 10/20/19				
Chloride	0.00		mg/kg wet							
Calibration Blank (P9J1902-CCB2)				Prepared: 10/19/19		Analyzed: 10/20/19				
Chloride	0.00		mg/kg wet							
Calibration Check (P9J1902-CCV1)				Prepared: 10/19/19		Analyzed: 10/20/19				
Chloride	20.4		mg/kg	20.0		102	0-200			
Calibration Check (P9J1902-CCV2)				Prepared: 10/19/19		Analyzed: 10/20/19				
Chloride	19.8		mg/kg	20.0		98.9	0-200			
Calibration Check (P9J1902-CCV3)				Prepared: 10/19/19		Analyzed: 10/21/19				
Chloride	18.8		mg/kg	20.0		94.2	0-200			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9J1902 - * DEFAULT PREP *****

Matrix Spike (P9J1902-MS1)		Source: 9J15004-01		Prepared: 10/19/19 Analyzed: 10/20/19						
Chloride	11200	28.7	mg/kg dry	2870	7940	112	80-120			
Matrix Spike (P9J1902-MS2)		Source: 9J15006-01		Prepared: 10/19/19 Analyzed: 10/21/19						
Chloride	12500	64.1	mg/kg dry	6410	5700	106	80-120			
Matrix Spike Dup (P9J1902-MSD1)		Source: 9J15004-01		Prepared: 10/19/19 Analyzed: 10/20/19						
Chloride	11400	28.7	mg/kg dry	2870	7940	120	80-120	2.01	20	
Matrix Spike Dup (P9J1902-MSD2)		Source: 9J15006-01		Prepared: 10/19/19 Analyzed: 10/21/19						
Chloride	12100	64.1	mg/kg dry	6410	5700	99.2	80-120	3.43	20	

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Project: Select Energy Cowtown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9J1717 - TX 1005

Blank (P9J1717-BLK1)

Prepared: 10/17/19 Analyzed: 10/18/19

C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	119		"	100		119	70-130			
Surrogate: o-Terphenyl	63.6		"	50.0		127	70-130			

LCS (P9J1717-BS1)

Prepared: 10/17/19 Analyzed: 10/18/19

C6-C12	1040	25.0	mg/kg wet	1000		104	75-125			
>C12-C28	1090	25.0	"	1000		109	75-125			
Surrogate: 1-Chlorooctane	118		"	100		118	70-130			
Surrogate: o-Terphenyl	60.5		"	50.0		121	70-130			

LCS Dup (P9J1717-BSD1)

Prepared: 10/17/19 Analyzed: 10/18/19

C6-C12	1040	25.0	mg/kg wet	1000		104	75-125	0.467	20	
>C12-C28	1100	25.0	"	1000		110	75-125	0.606	20	
Surrogate: 1-Chlorooctane	120		"	100		120	70-130			
Surrogate: o-Terphenyl	60.2		"	50.0		120	70-130			

Calibration Blank (P9J1717-CCB1)

Prepared: 10/17/19 Analyzed: 10/18/19

C6-C12	14.2		mg/kg wet							
>C12-C28	6.08		"							
Surrogate: 1-Chlorooctane	134		"	140		95.7	70-130			
Surrogate: o-Terphenyl	71.7		"	70.0		102	70-130			

Calibration Blank (P9J1717-CCB2)

Prepared: 10/17/19 Analyzed: 10/18/19

C6-C12	11.4		mg/kg wet							
>C12-C28	8.07		"							
Surrogate: 1-Chlorooctane	147		"	140		105	70-130			
Surrogate: o-Terphenyl	78.2		"	70.0		112	70-130			

Permian Basin Environmental Lab, L.P.

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P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowtown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9J1717 - TX 1005

Calibration Check (P9J1717-CCV1)

Prepared: 10/17/19 Analyzed: 10/18/19

C6-C12	562	25.0	mg/kg wet	500		112	85-115			
>C12-C28	508	25.0	"	500		102	85-115			
Surrogate: 1-Chlorooctane	128		"	100		128	70-130			
Surrogate: o-Terphenyl	66.3		"	50.0		133	70-130			S-GC

Calibration Check (P9J1717-CCV2)

Prepared: 10/17/19 Analyzed: 10/18/19

C6-C12	522	25.0	mg/kg wet	500		104	85-115			
>C12-C28	567	25.0	"	500		113	85-115			
Surrogate: 1-Chlorooctane	122		"	100		122	70-130			
Surrogate: o-Terphenyl	64.0		"	50.0		128	70-130			

Batch P9J1718 - TX 1005

Blank (P9J1718-BLK1)

Prepared: 10/17/19 Analyzed: 10/19/19

C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	125		"	100		125	70-130			
Surrogate: o-Terphenyl	64.8		"	50.0		130	70-130			

LCS (P9J1718-BS1)

Prepared: 10/17/19 Analyzed: 10/19/19

C6-C12	1110	25.0	mg/kg wet	1000		111	75-125			
>C12-C28	1150	25.0	"	1000		115	75-125			
Surrogate: 1-Chlorooctane	129		"	100		129	70-130			
Surrogate: o-Terphenyl	62.2		"	50.0		124	70-130			

LCS Dup (P9J1718-BSD1)

Prepared: 10/17/19 Analyzed: 10/19/19

C6-C12	955	25.0	mg/kg wet	1000		95.5	75-125	14.7	20	
>C12-C28	1030	25.0	"	1000		103	75-125	10.5	20	
Surrogate: 1-Chlorooctane	111		"	100		111	70-130			
Surrogate: o-Terphenyl	55.4		"	50.0		111	70-130			

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Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Select Energy Cowtown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9J1718 - TX 1005

Calibration Blank (P9J1718-CCB1)

Prepared: 10/17/19 Analyzed: 10/19/19

C6-C12	11.5		mg/kg wet							
>C12-C28	19.9		"							
Surrogate: 1-Chlorooctane	113		"	100		113	70-130			
Surrogate: o-Terphenyl	58.5		"	50.0		117	70-130			

Calibration Blank (P9J1718-CCB2)

Prepared: 10/17/19 Analyzed: 10/19/19

C6-C12	7.73		mg/kg wet							
>C12-C28	22.5		"							
Surrogate: 1-Chlorooctane	106		"	100		106	70-130			
Surrogate: o-Terphenyl	55.6		"	50.0		111	70-130			

Calibration Check (P9J1718-CCV1)

Prepared: 10/17/19 Analyzed: 10/18/19

C6-C12	433	25.0	mg/kg wet	500		86.6	85-115			
>C12-C28	451	25.0	"	500		90.3	85-115			
Surrogate: 1-Chlorooctane	104		"	100		104	70-130			
Surrogate: o-Terphenyl	46.8		"	50.0		93.6	70-130			

Calibration Check (P9J1718-CCV2)

Prepared: 10/17/19 Analyzed: 10/19/19

C6-C12	448	25.0	mg/kg wet	500		89.7	85-115			
>C12-C28	467	25.0	"	500		93.4	85-115			
Surrogate: 1-Chlorooctane	116		"	100		116	70-130			
Surrogate: o-Terphenyl	52.0		"	50.0		104	70-130			

Matrix Spike (P9J1718-MS1)

Source: 9J14007-21

Prepared: 10/17/19 Analyzed: 10/19/19

C6-C12	1090	26.6	mg/kg dry	1060	ND	102	75-125			
>C12-C28	1140	26.6	"	1060	10.2	106	75-125			
Surrogate: 1-Chlorooctane	126		"	106		119	70-130			
Surrogate: o-Terphenyl	54.3		"	53.2		102	70-130			

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Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P9J1718 - TX 1005

Matrix Spike Dup (P9J1718-MSD1)	Source: 9J14007-21			Prepared: 10/17/19		Analyzed: 10/19/19				
C6-C12	1070	26.6	mg/kg dry	1060	ND	100	75-125	1.80	20	
>C12-C28	1130	26.6	"	1060	10.2	105	75-125	0.879	20	
Surrogate: 1-Chlorooctane	112		"	106		105	70-130			
Surrogate: o-Terphenyl	53.6		"	53.2		101	70-130			

Permian Basin Environmental Lab, L.P.

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Larson & Associates, Inc.
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Midland TX, 79710

Project: Select Energy Cowntown North
Project Number: 19-0179-02
Project Manager: Mark Larson

Fax: (432) 687-0456

Notes and Definitions

S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

ROI Received on Ice

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

BULK Samples received in Bulk soil containers

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

10/25/2019

Brent Barron, Laboratory Director/Technical Director

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If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Larson & Associates, Inc.

Project: Select Energy Cowntown North

Fax: (432) 687-0456

P.O. Box 50685

Project Number: 19-0179-02

Midland TX, 79710

Project Manager: Mark Larson

Larson & Associates, Inc.
Environmental Consultants

507 N. Marienfeld, Ste. 200
Midland, TX 79701
432-687-0901

PO#: LAB WORK ORDER#: 9014007

PROJECT LOCATION OR NAME: Select Energy, Canton, Mass.

LAI PROJECT #: 19-0179-02 COLLECTOR: RN/EC

Data Reported to:

[illegible]

TOTAL

RELINQUISHED BY: (Signature)

DATE/TIME

RECEIVED BY (Signature)

RELINQUISHED BY: (Signature)

DATE/TIME

RECEIVED BY: (Signature)

RELINQUISHED BY:(Signature)

DATE/TIME

RECEIVED BY: (Signature)

LABORATORY:

TURN AROUND TIME

NORMAL ☒

1 DAY

2 DAY ☐OTHER ☐

LABORATORY USE ONLY:

RECEIVING TEMP: 19-29 THERM#: 62

CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED

CARRIER BILL #

☐ HAND DELIVERED

CHAIN-OF-CUSTODY

Arson & Associates, Inc.
Environmental Consultants

507 N. Marienfeld, Ste. 200
Midland, TX 79701
432-687-0901

DATE: 10/13/2019

PAGE 2 OF 2

PO#:

LAB WORK ORDER#: 9214007

PROJECT LOCATION OR NAME: Select Energy Contours North

LAI PROJECT #: 19-0179-0002 COLLECTOR: RNF/EC

Data Reported to:

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION					ANALYSES															FIELD NOTES												
						HCl	HNO ₃	H ₂ SO ₄ □ NaOH □	ICE	UNPRESERVED	BTEX	MTBE	TRPH 418.1	TPH 1005	TPH 1006	GASOLINE MOD 8015	DIESEL - MOD 8015	OIL - MOD 8015	VOC 8260	SVOC 8270	8081 PESTICIDES	PAH 8270	8082 PESTICIDES	TBLP - METALS (RCRA)	8151 HERBICIDES		TCLP - PEST	HERB	TCLP VOC	LEAD - TOTAL	RCRA	OTHER LIST	IDS	TOX	% MOISTURE	FLASHPOINT	PH	HEXAVALENT CHROMIUM
HIA-8 (11)	16	10/11/19	12:07	S					X																													
HIA-9 (0.5')	17		12:08							X																												
HIA-9 (0.5')	18		12:09																																			
HIA-10 (0.5')	19		12:10							X																												
HIA-10 (0.5')	20		12:10																																			
HIA-11 (0.5')	21		12:17							X																												
HIA-11 (1')	22		12:21																																			
TOTAL																																						

RELINQUISHED BY: (Signature)

DATE/TIME

RECEIVED BY: (Signature)

RELINQUISHED BY: (Signature)

DATE/TIME

RECEIVED BY: (Signature)

RELINQUISHED BY: (Signature)

DATE/TIME

RECEIVED BY: (Signature)

LABORATORY:

TURN AROUND TIME

NORMAL

1 DAY

2 DAY

OTHER

LABORATORY USE ONLY:

RECEIVING TEMP: 19-29 THERM#: CFH1

CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED☐ CARRIER BILL #☐ HAND DELIVERED

Appendix C

Photographs



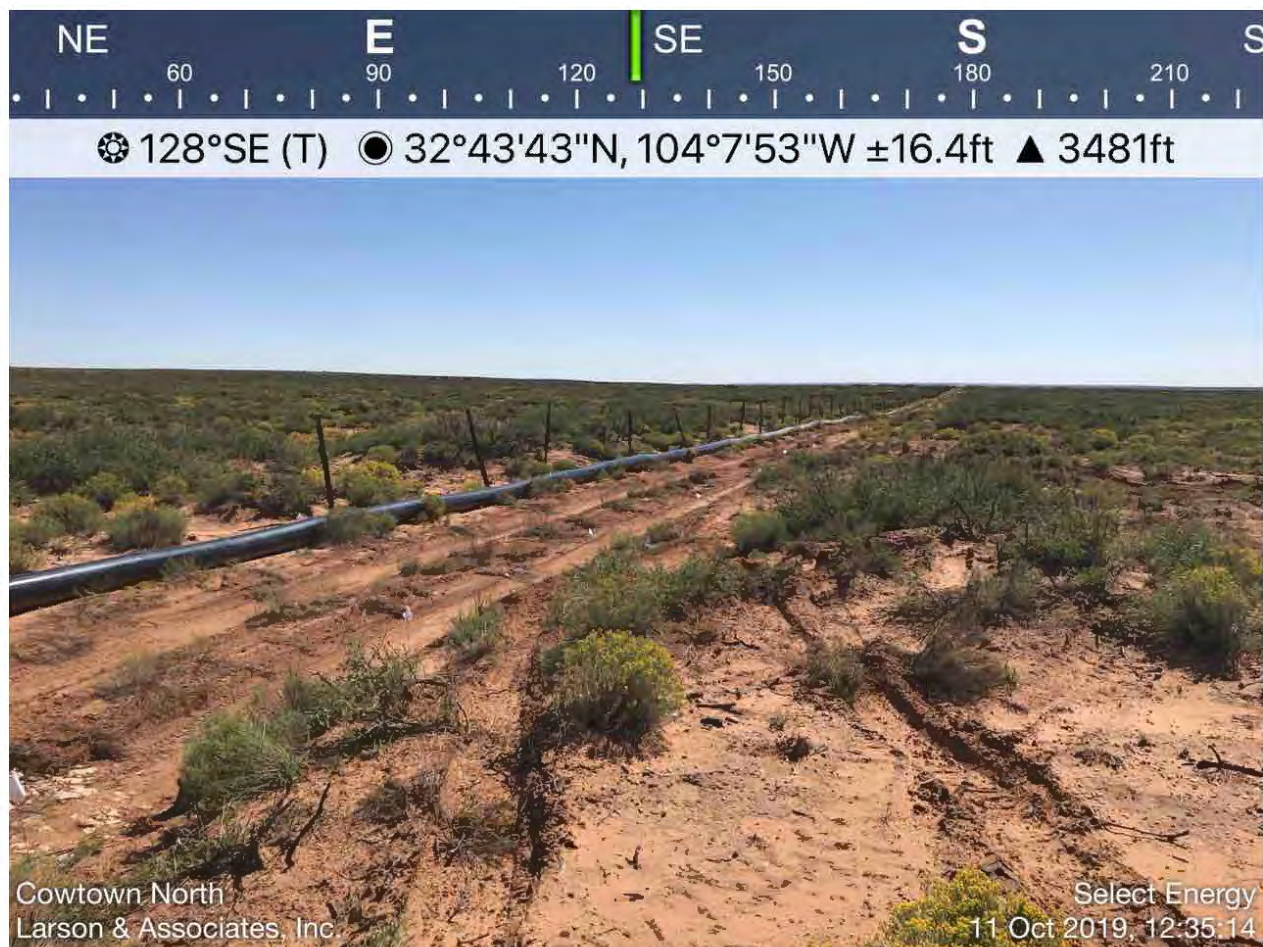
Spill area viewing southeast



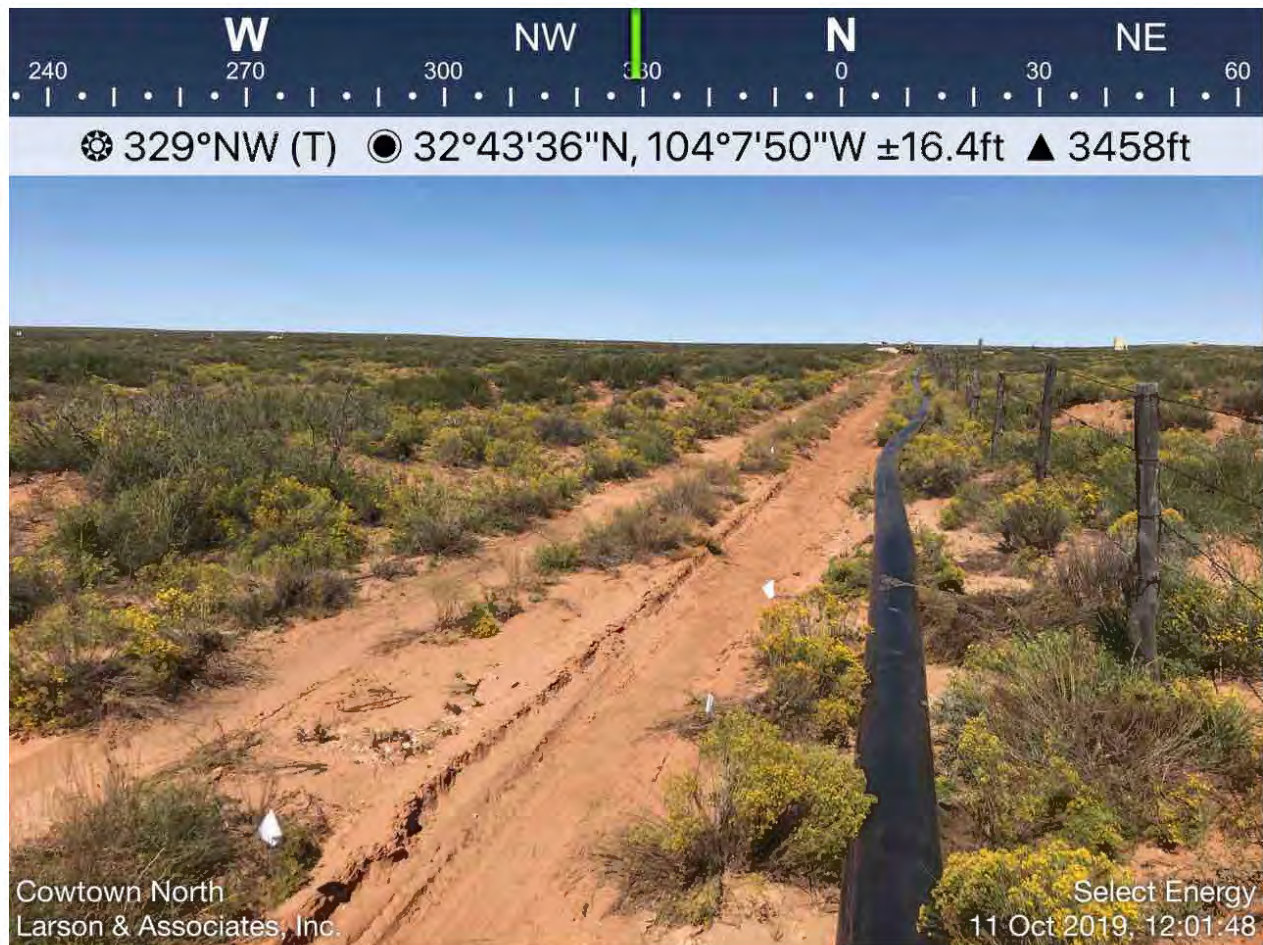
Spill area viewing south/southwest



Spill area viewing north



Spill area viewing southeast



Spill area viewing northwest



Excavated area viewing southeast



Excavated area viewing north/northwest



Excavated area viewing south/southeast



Backfilled and seeded area viewing northwest



Backfilled and seeded area viewing southeast



Backfilled and seeded area viewing southeast