State of New Mexico
Oil Conservation Division

Incident ID	nRM2006451912
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?	>100 (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.

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	nRM2006451912
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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 Manager

Signature: HButler Date: 6/1/2020

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

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	nRM2006451912
District RP	
Facility ID	
Application ID	

Remediation Plan

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

- [x] Detailed description of proposed remediation technique
- [x] Scaled sitemap with GPS coordinates showing delineation points
- [x] Estimated volume of material to be remediated
- [x] Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- [x] 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.

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 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: _____

State of New Mexico
Oil Conservation Division

Incident ID	nRM2006451912
District RP	
Facility ID	
Application ID	

Closure

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

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

[X] A scaled site and sampling diagram as described in 19.15.29.11 NMAC

[X] 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)

[X] Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

[X] 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: _____

nRM2006451912
CLOSURE REPORT
Cowtown South
Produced Water Spill
Otero County, New Mexico

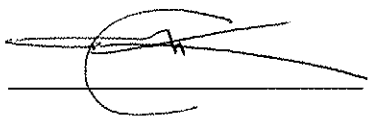
Latitude: 32.703703° North
Longitude: -104.12175° West

LAI Project No. 19-0179-03

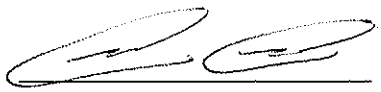
June 1, 2020

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



Robert Nelson
Staff Geoscientist

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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 the Cowtown South (Site) located in Lot 3, Section 31, Township 18 South, Range 29 East in Otero County, New Mexico. The geodetic position is 32.703703° North and -104.12175° 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 50 barrels (bbls) of produced water to be released into the nearby pasture. Approximately 30 bbls were recovered. The spill area measured approximately 5,451 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 3,398 feet above mean sea level (msl);
- The topography slopes gently to the south;
- There are no surface water features within 1,000 feet of the Site;
- The soils are designated as Berino-Dune land complex, 0 to 3 percent slopes, consisting of 0 to 17 inches of fine sandy loam sand underlain by 17 to 50 inches of sandy clay loam and 50 to 60 inches of loamy sand;
- The 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 2.06 miles or 10,859 feet northeast 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.

2.0 DELINEATION

On October 11, 2019, LAI personnel collected soil samples from five (5) locations within the spill area (HA-1 through HA-5) and four (4) locations in each cardinal direction (north, east, south, west) outside of the spill area (HA-6 through HA-9) using a stainless steel hand auger. The samples were collected at a depth of approximately 0.5 and 1 foot below ground surface (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 below the analytical method reporting limits and OCD delineation limits of 10 mg/Kg, 50 mg/Kg, and 100 mg/Kg respectively. Chloride reported above the delineation limit of 600 mg/Kg in the following samples:

HA-2, 0.5 feet bgs (671 mg/Kg)
HA-3, 0.5 feett bgs (7,210 mg/Kg)
HA-3, 1 foot bgs (7,560 mg/Kg)
HA-4, 0.5 feet bgs (7,680 mg/Kg)
HA-4, 1 foot bgs (8,070 mg/Kg)
HA-5, 0.5 feet bgs (7,080 mg/Kg)
HA-5, 1 foot bgs (6,650 mg/Kg)
HA-8, 0.5 feet bgs (5,070) mg/Kg)

On November 4, 2019, LAI personnel used a Geoprobe® 7822 DT direct push rig to collect soil samples at six (6) locations (HA-1 through HA-5 and HA-8). The samples were collected every 5 feet to 15 feet bgs, depending on subsurface conditions. The samples were analyzed for chloride by EPA Method 300. Laboratory analysis reported chloride concentrations above 600 mg/Kg in the following samples.

HA-3, 5 feet bgs (7,080 mg/Kg)
HA-4, 5 feet bgs (13,800 mg/Kg)
HA-4, 8 feet bgs (7,000 mg/Kg)
HA-5, 5 feet bgs (7,560 mg/Kg)
HA-5, 10 feet bgs (6,830 mg/Kg)

Table 1 presents the delineation soil sample analytical data summary. Figure 2 presents an aerial map with soil sample locations. Appendix B presents the 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 6,103 square feet encompassing delineation samples HA-2 and HA-8 to a depth of approximately 2 feet bgs and HA-3 through HA-5 and to a depth of approximately 4.1 feet bgs.

On January 16 and January 22, 2020, LAI personnel collected forty-seven (47) five-point composite confirmation soil samples from about 200 square feet of 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 and TPH below the analytical method reporting limits and OCD remediation levels. Chloride reported above OCD remediation levels in the following confirmation samples:

2.3 Sidewall West, 0 – 2 feet bgs (998 mg/Kg)
2.4 Sidewall West, 0 – 2 feet bgs (2,980 mg/Kg)
2.6 Sidewall East, 0 – 2 feet bgs (1,030 mg/Kg)
2.7 Bottom, 2 feet bgs (4,250 mg/Kg)
2.9 Bottom, 2 feet bgs (5,190 mg/Kg)
2.11 Bottom, 2 feet bgs (2,350 mg/Kg)
2.12 Bottom, 2 feet bgs (2,590 mg/Kg)
2.13 Bottom, 2 feet bgs (5,310 mg/Kg)
2.14 Bottom, 2 feet bgs (2,400 mg/Kg)
2.15 Bottom, 2 feet bgs (3,060 mg/Kg)
2.16 Bottom, 2 feet bgs (2,110 mg/Kg)
4.2 Sidewall South, 0 – 4 feet bgs (5,570 mg/Kg)

In January and February 2020, BDS excavated an additional 2.1 feet of soil from the bottom around samples points 2.7, 2.9, and 2.11 through 2.16. The sidewalls were excavated approximately 2 feet around samples points 2.3 through 2.6 and 4.2. On February 4, 2020, LAI personnel collected a confirmation soil samples and laboratory analysis reported chloride below the OCD remediation levels, except sample 4.2 which report 1,030 mg/Kg.

In February 2020, BDS excavated an additionally two (2) feet from the sidewall of sample point 4.2. On February 27, 2020, LAI personnel collected a confirmation soil sample and laboratory analysis reported chloride below the OCD remediation level. 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.

Nine (9) composite samples each of clean sand and caliche were collected from a nearby pit. BTEX and TPH were below the analytical method reporting limits and chloride was less 600 mg/Kg in the backfill composite samples. 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 4 feet bgs with clean caliche and to ground surface with clean sand from a nearby landowner's pit. On March 27, 2020, LAI personnel seeded the backfilled areas with BLM Mix No 3.

4.0 CLOSURE REQUEST

Select Energy requests no further action for nRM2006451912.

Tables

Table 1
Delineation Soil Sample Analytical Data Summary
Select Energy Services, Cowtown South Release
Otero County, New Mexico
N32° 42' 13.33" W104° 07' 18.30"

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:										**20,000**
Hand Auger Soil Samples										
HA-1	0 - 0.5	10/11/2019	In-Situ	<0.00105	<0.00631	<26.3	<26.3	<26.3	<26.3	4.37
	0.5 - 1	10/11/2019	In-Situ	--	--	--	--	--	--	80.0
	5	11/4/2019	In-Situ	--	--	--	--	--	--	104.0
HA-2	0 - 0.5	10/11/2019	In-Situ	<0.00108	<0.00647	<26.9	<26.9	<26.9	<26.9	671
	0.5 - 1	10/11/2019	In-Situ	--	--	--	--	--	--	240
	8	11/4/2019	In-Situ	--	--	--	--	--	--	6.07
HA-3	0 - 0.5	10/11/2019	In-Situ	<0.00110	<0.00660	<27.5	<27.5	<27.5	<27.5	7,210
	0.5 - 1	10/11/2019	In-Situ	--	--	--	--	--	--	7,560
	5	11/4/2019	In-Situ	--	--	--	--	--	--	7,080
HA-4	0 - 0.5	10/11/2019	In-Situ	<0.00106	<0.00637	<26.6	<26.6	<26.6	<26.6	7,680
	0.5 - 1	10/11/2019	In-Situ	--	--	--	--	--	--	8,070
	5	11/4/2019	In-Situ	--	--	--	--	--	--	13,800
	8	11/4/2019	In-Situ	--	--	--	--	--	--	7,000
HA-5	0 - 0.5	10/11/2019	In-Situ	<0.00108	<0.00647	<26.9	<26.9	<26.9	<26.9	7,080
	0.5 - 1	10/11/2019	In-Situ	--	--	--	--	--	--	6,650
	5	11/4/2019	In-Situ	--	--	--	--	--	--	7,560
	10	11/4/2019	In-Situ	--	--	--	--	--	--	6,830
	15	11/4/2019	In-Situ	--	--	--	--	--	--	38

Table 1
Delineation Soil Sample Analytical Data Summary
Select Energy Services, Cowtown South Release
Otero County, New Mexico
N32° 42' 13.33" W104° 07' 18.30"

HA-6	0 - 0.5	10/11/2019	In-Situ	<0.00105	0.00631	<26.3	<26.3	<26.3	<26.3	8.45
	0.5 - 1	10/11/2019	In-Situ	--	--	--	--	--	--	6.66
HA-7	0 - 0.5	10/11/2019	In-Situ	<0.00104	<0.00624	<26.0	<26.0	<26.0	<26.0	33.8
	0.5 - 1	10/11/2019	In-Situ	--	--	--	--	--	--	13.1
HA-8	0 - 0.5	10/11/2019	In-Situ	<0.00105	0.00631	<26.3	<26.3	<26.3	<26.3	5,070
	0.5 - 1	10/11/2019	In-Situ	--	--	--	--	--	--	25.3
	5	11/4/2019	In-Situ	--	--	--	--	--	--	15.20
	10	11/4/2019	In-Situ	--	--	--	--	--	--	11.30
	15	11/4/2019	In-Situ	--	--	--	--	--	--	3.97
HA-9	0 - 0.5	10/11/2019	In-Situ	<0.00108	<0.00647	<26.9	<26.9	<26.9	<26.9	47.5
	0.5 - 1	10/11/2019	In-Situ	--	--	--	--	--	--	23.2

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 South, Select Energy Produced Water Spill
Otero County, New Mexico
N32° 42' 13.33" W104° 7' 18.30"

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**
2.1	**Sidewall North**	0 - 2	1/16/2020	In-Situ	<0.00101	<0.00606	<25.3	<25.3	<25.3	<25.3	47.1
2.2	**Sidewall North**	0 -2	1/16/2020	In-Situ	<0.00102	<0.00612	<25.5	<25.5	<25.5	<25.5	8.74
2.3	**Sidewall West**	0 -2	1/16/2020	Excavated	<0.00106	<0.00637	<26.6	<26.6	<26.6	<26.6	**998.0**
		0 - 4	2/3/2020	In-Situ	<0.00198	<0.00198	<49.9	<49.9	<49.9	<49.9	181
2.4	**Sidewall West**	0 - 2	1/16/2020	Excavated	<0.00102	<0.00612	<25.5	<25.5	<25.5	<25.5	**2,980.0**
		0 - 4	2/3/2020	In-Situ	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	28.7
2.5	**Sidewall East**	0 -2	1/16/2020	In-Situ	<0.00102	<0.00612	<25.5	<25.5	<25.5	<25.5	487.0
2.6	**Sidewall East**	0 -2	1/16/2020	Excavated	<0.00101	<0.00606	<25.3	<25.3	<25.3	<25.3	**1,030.0**
		0 - 4	2/3/2020	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	47.6
2.7	**Bottom**	2	1/16/2020	Excavated	<0.00106	<0.00637	<26.6	<26.6	<26.6	<26.6	**4,250.0**
		4.1	2/4/2020	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	178.0
2.8	**Bottom**	2	1/16/2020	Excavated	<0.00103	<0.00618	<25.8	<25.8	<25.8	<25.8	59.0
		4.1	2/4/2020	In-Situ	<0.00202	<0.00202	<49.9	<49.9	<49.9	<49.9	55.9
2.9	**Bottom**	2	1/16/2020	Excavated	<0.00109	<0.00653	<27.2	<27.2	<27.2	<27.2	**5,190.0**
		4.1	2/4/2020	In-Situ	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	1,470.0
2.10	**Bottom**	2	1/16/2020	Excavated	<0.00105	<0.00631	<26.3	<26.3	<26.3	<26.3	22.8
		4.1	2/4/2020	In-Situ	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	4,790.0
2.11	**Bottom**	2	1/22/2020	Excavated	<0.00104	<0.00624	<26.0	<26.0	<26.0	<26.0	**2,350.0**
		4.1	2/4/2020	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	2,590.0
2.12	**Bottom**	2	1/22/2020	Excavated	<0.00105	<0.00631	<26.3	<26.3	<26.3	<26.3	**2,590.0**
		4.1	2/4/2020	In-Situ	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	2,770.0
2.13	**Bottom**	2	1/22/2020	Excavated	<0.00106	<0.00637	<26.6	<26.6	<26.6	<26.6	**5,310.0**
		4.1	2/4/2020	In-Situ	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	2,980.0
2.14	**Bottom**	2	1/22/2020	Excavated	<0.00105	<0.00631	<26.3	<26.3	<26.3	<26.3	**2,400.0**
		4.1	2/4/2020	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	3,980.0
2.15	**Bottom**	2	1/22/2020	Excavated	<0.00105	<0.00631	<26.3	<26.3	<26.3	<26.3	**3,060.0**
		4.1	2/4/2020	In-Situ	<0.00201	<0.00201	<49.9	<49.9	<49.9	<49.9	3,540.0
2.16	**Bottom**	2	1/22/2020	Excavated	<0.00104	<0.00624	<26.0	<26.0	<26.0	<26.0	**2,110.0**
		4.1	2/4/2020	In-Situ	<0.00199	<0.00199	<49.8	<49.8	<49.8	<49.8	3,730.0
4.1	**Sidewall South**	0 - 4	1/16/2020	In-Situ	<0.00101	<0.00606	<25.3	<25.3	<25.3	<25.3	64.8

Table 2

Confirmation Soil Sample Analytical Data Summary

Apache Cowtown South, Select Energy Produced Water Spill

Otero County, New Mexico

N32° 42' 13.33" W104° 7' 18.30"

4.2	**Sidewall South**	0 - 4	1/16/2020	Excavated	<0.00104	<0.00624	<26.0	<26.0	<26.0	<26.0	**5,570.0**
		0 - 4	2/3/2020	Excavated	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	**1,030.0**
		0 - 4	2/27/2020	In-Situ	<0.00104	<0.00624	<26.0	34.6	28.5	63.1	17.4
4.3	**Sidewall South**	0 - 4	1/16/2020	In-Situ	<0.00102	<0.00612	<25.5	<25.5	<25.5	<25.5	7.0
4.4	**Sidewall South**	0 - 4	1/16/2020	In-Situ	<0.00101	<0.00606	<25.3	<25.3	<25.3	<25.3	9.43
4.5	**Sidewall East**	4.1	1/16/2020	In-Situ	<0.00102	<0.00612	<25.5	<25.5	<25.5	<25.5	7.93
4.6	**Sidewall East**	4.1	1/16/2020	In-Situ	<0.00102	<0.00612	<25.5	<25.5	<25.5	<25.5	13.6
4.7	**Sidewall North**	4.1	1/16/2020	In-Situ	<0.00101	<0.00606	<25.3	<25.3	<25.3	<25.3	5.71
4.8	**Sidewall North**	4.1	1/16/2020	In-Situ	<0.00101	<0.00606	<25.3	<25.3	<25.3	<25.3	9.01
4.9	**Sidewall North**	4.1	1/16/2020	In-Situ	<0.00103	<0.00618	<25.8	<25.8	<25.8	<25.8	14.2
4.10	**Sidewall North**	4.1	1/16/2020	In-Situ	<0.00101	<0.00606	<25.3	<25.3	<25.3	<25.3	10.9
4.11	**Bottom**	4.1	1/16/2020	In-Situ	<0.00104	<0.00624	<26.0	<26.0	<26.0	<26.0	5,720.0
4.12	**Bottom**	4.1	1/16/2020	In-Situ	<0.00104	<0.00624	<26.0	<26.0	<26.0	<26.0	4,460.0
4.13	**Bottom**	4.1	1/16/2020	In-Situ	<0.00105	<0.00631	<26.3	<26.3	<26.3	<26.3	6,400.0
4.14	**Bottom**	4.1	1/16/2020	In-Situ	<0.00105	<0.00631	<26.3	<26.3	<26.3	<26.3	5,960.0
4.15	**Bottom**	4.1	1/16/2020	In-Situ	<0.00105	<0.00631	<26.3	<26.3	<26.3	<26.3	5,510.0
4.16	**Bottom**	4.1	1/16/2020	In-Situ	<0.00105	<0.00631	<26.3	<26.3	<26.3	<26.3	6,400.0
4.17	**Bottom**	4.1	1/16/2020	In-Situ	<0.00104	<0.00624	<26.0	<26.0	<26.0	<26.0	2,080.0
4.18	**Bottom**	4.1	1/16/2020	In-Situ	<0.00104	<0.00624	<26.0	<26.0	<26.0	<26.0	4,090.0
4.19	**Bottom**	4.1	1/16/2020	In-Situ	<0.00105	<0.00631	<26.3	<26.3	<26.3	<26.3	6,480
4.20	**Bottom**	4.1	1/16/2020	In-Situ	<0.00105	<0.00631	<26.3	<26.3	<26.3	<26.3	5,470.0
4.21	**Bottom**	4.1	1/16/2020	In-Situ	<0.00105	<0.00631	<26.3	<26.3	<26.3	<26.3	16.2
4.22	**Bottom**	4.1	1/16/2020	In-Situ	<0.00105	<0.00631	<26.3	<26.3	<26.3	<26.3	5,500.0
4.23	**Bottom**	4.1	1/16/2020	In-Situ	<0.00105	<0.00631	<26.3	<26.3	<26.3	<26.3	5,740.0
4.24	**Bottom**	4.1	1/16/2020	In-Situ	<0.00105	<0.00631	<26.3	<26.3	<26.3	<26.3	4,920.0
4.25	**Bottom**	4.1	1/16/2020	In-Situ	<0.00104	<0.00624	<26.0	<26.0	<26.0	<26.0	4,860.0
4.26	**Bottom**	4.1	1/16/2020	In-Situ	<0.00105	<0.00631	<26.3	<26.3	<26.3	<26.3	49.1
8.1	**Sidewall East**	(0-2)	1/22/2020	In-Situ	<0.00102	<0.00612	<25.5	<25.5	<25.5	<25.5	34.5
8.2	**Sidewall West**	(0-2)	1/22/2020	In-Situ	<0.00104	<0.00624	<26.0	<26.0	<26.0	<26.0	13.5
8.3	**Bottom**	2	1/22/2020	In-Situ	<0.00104	<0.00624	<26.0	<26.0	<26.0	<26.0	14.2
8.4	**Bottom**	2	1/22/2020	In-Situ	<0.00102	<0.00612	<25.5	<25.5	<25.5	<25.5	9.55
8.5	**Bottom**	2	1/22/2020	In-Situ	<0.00103	<0.00618	<25.8	<25.8	<25.8	<25.8	17.6
Backfill Sand 1			3/6/2020	In-Situ	<0.00106	<0.00637	<26.6	<26.6	<26.6	<26.6	4.01
Backfill Sand 2			3/6/2020	In-Situ	<0.00102	<0.00612	<25.5	<25.5	<25.5	<25.5	3.02
Backfill Sand 3			3/6/2020	In-Situ	<0.00103	<0.00618	<25.8	<25.8	<25.8	<25.8	6.47

Table 2

Confirmation Soil Sample Analytical Data Summary

Apache Cowtown South, Select Energy Produced Water Spill

Otero County, New Mexico

N32° 42’ 13.33” W104° 7’ 18.30"

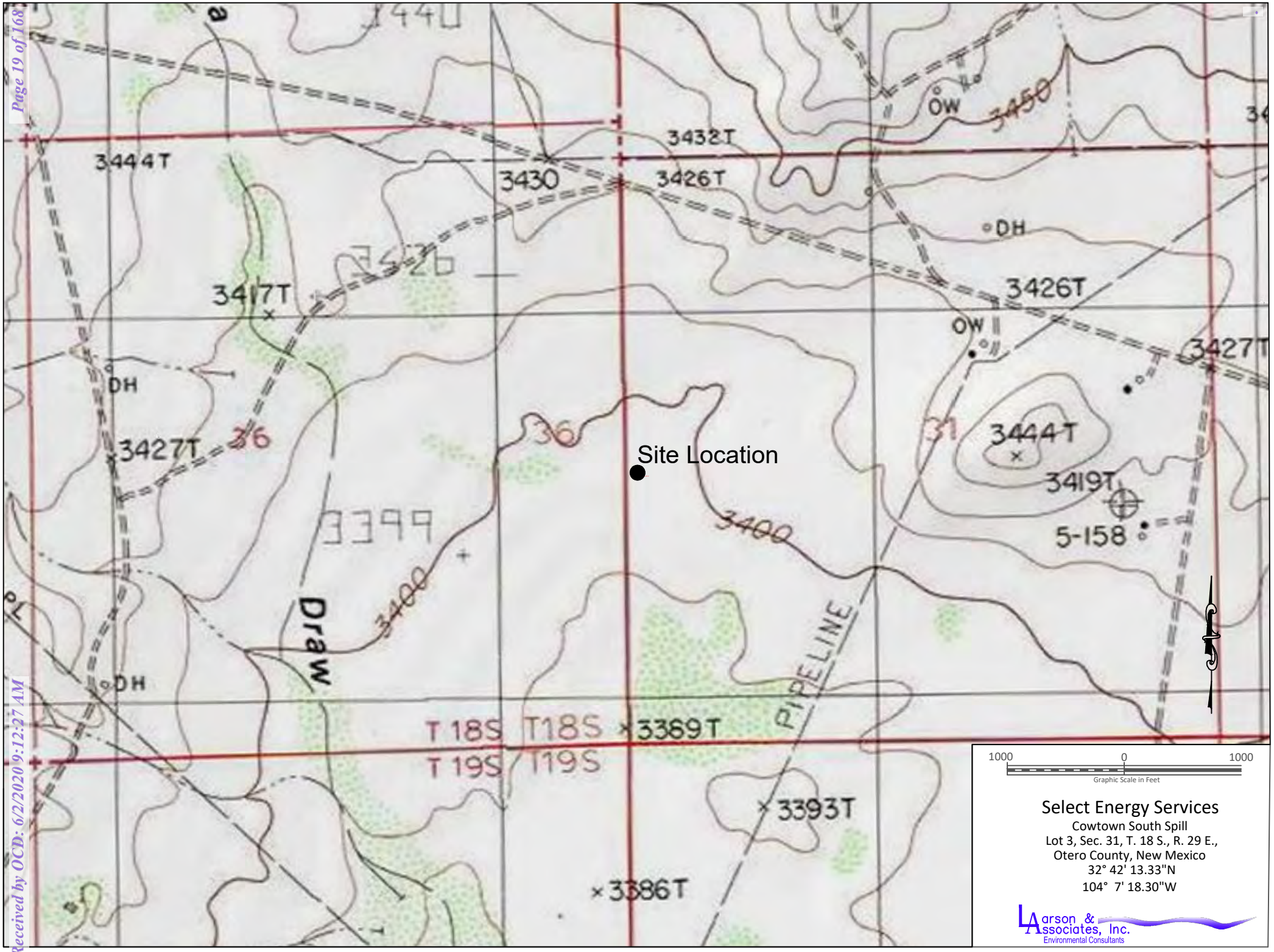
Backfill Sand 4			3/6/2020	In-Situ	<0.00106	<0.00637	<26.6	<26.6	<26.6	<26.6	14.8
Backfill Sand 5			3/6/2020	In-Situ	<0.00103	<0.00618	<25.8	<25.8	<25.8	<25.8	5.99
Backfill 6			3/6/2020	In-Situ	<0.00103	<0.00618	<25.8	<25.8	<25.8	<25.8	4.82
Backfill 7			3/6/2020	In-Situ	<0.00103	<0.00618	<25.8	<25.8	<25.8	<25.8	5.28
Backfill 8			3/6/2020	In-Situ	<0.00106	<0.00637	<26.6	<26.6	<26.6	<26.6	3.56
Backfill 9			3/6/2020	In-Situ	<0.00103	<0.00618	<25.8	<25.8	<25.8	<25.8	6.22

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)

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

Figures



Select Energy Services
Cowtown South Spill
Lot 3, Sec. 31, T. 18 S., R. 29 E.,
Otero County, New Mexico
32° 42' 13.33"N
104° 7' 18.30"W

Larson & Associates, Inc.
Environmental Consultants

Figure 1 - Topographic Map

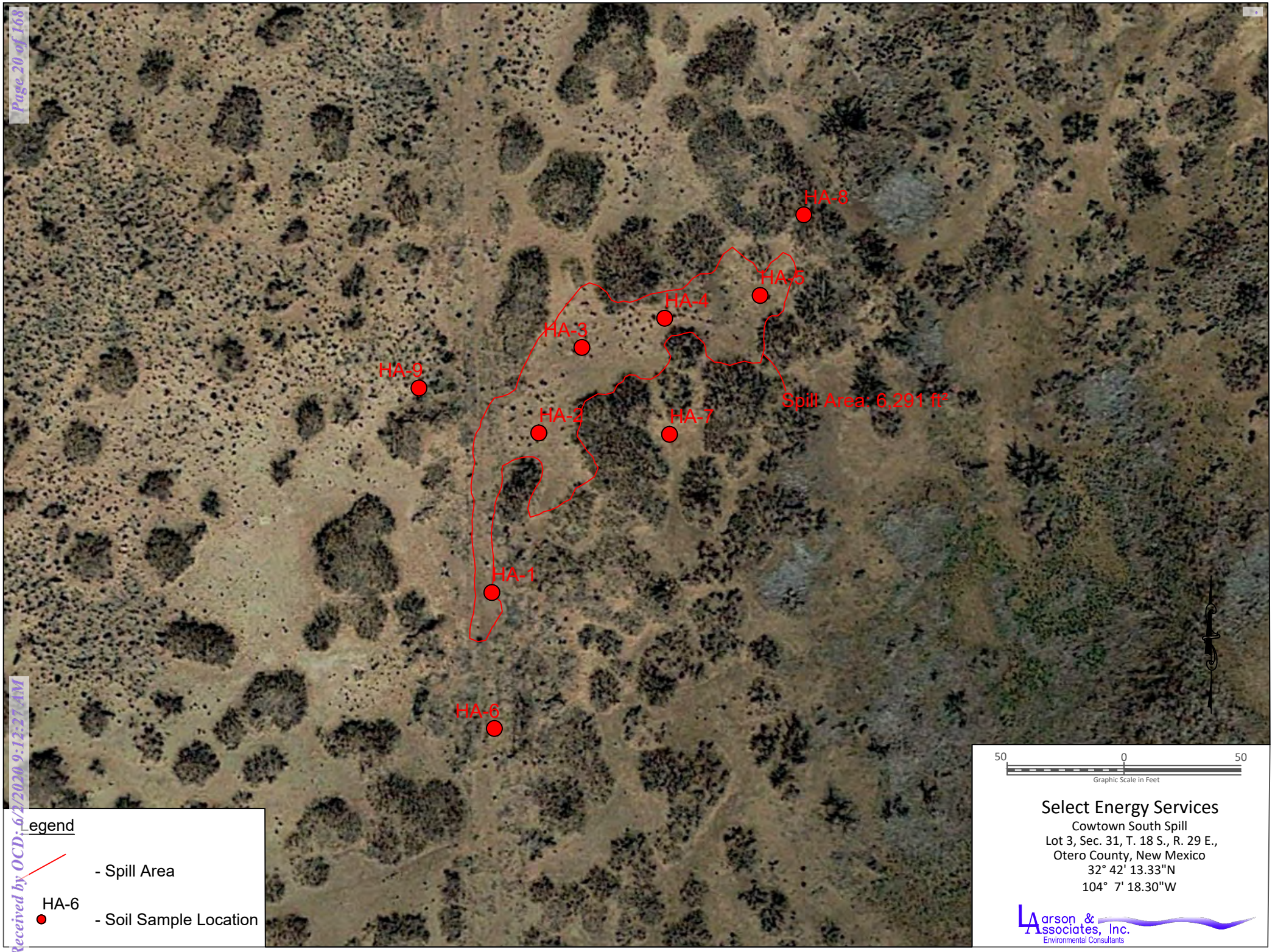


Figure 2 - Aerial Map Showing Spill Area and Soil Sample Locations

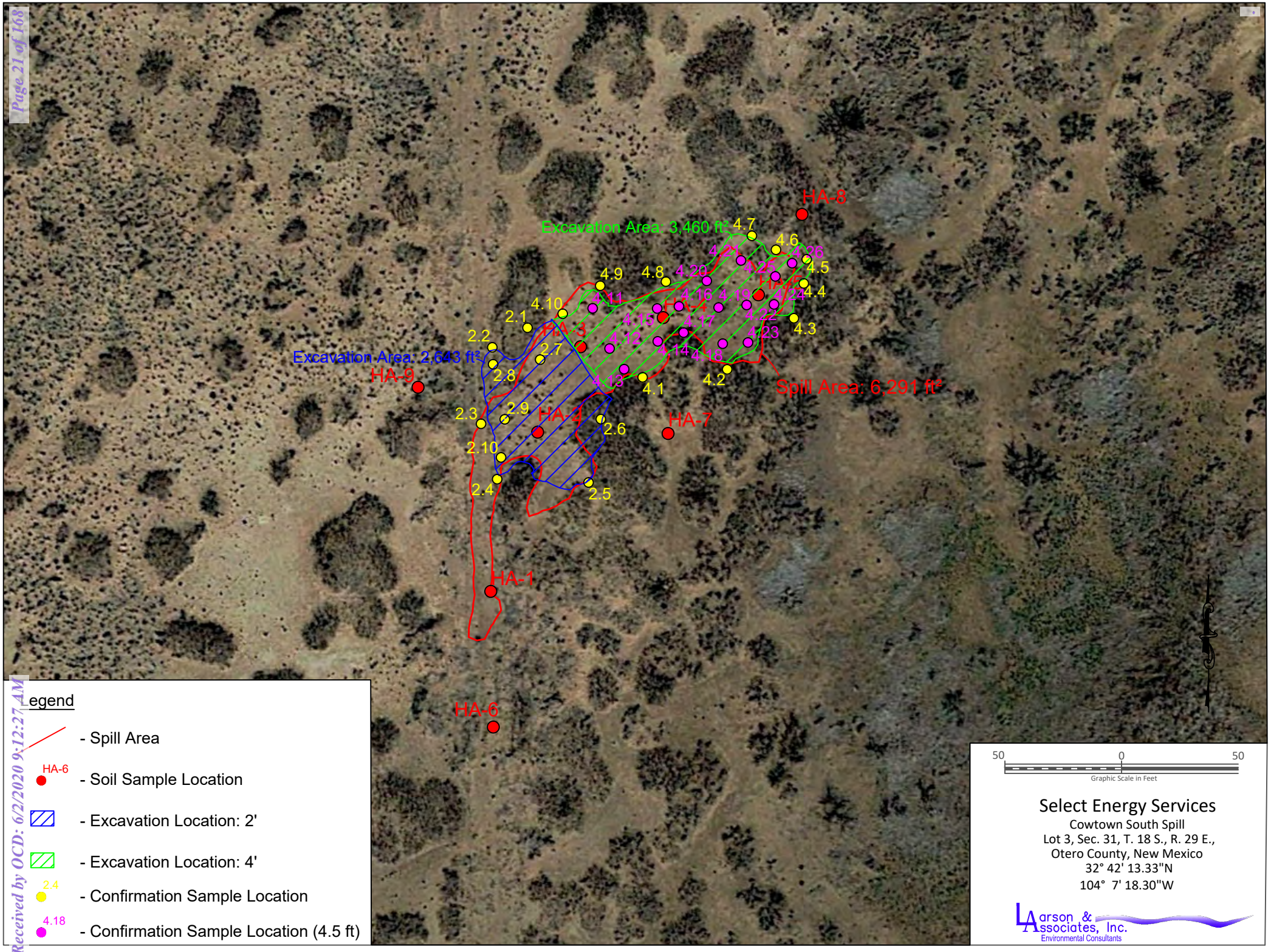


Figure 3 - Aerial Map Showing Excavation Locations and Confirmation Samples

Appendix A

Waste Manifests

Iron Horse Services LLC
418 W ave C
Lovington
NM 88260

IRON HORSE SERVICES LLC

RECEIVED
FEB 26 2020

313578
579

Bill To
BDS Enterprises LLC PO Box 2286 Carlsbad, NM 88221

Invoice

Date	Invoice #
2/25/2020	1345

P.O. No.	Terms	Project
Louie Barnes	Net 30	Cimarex

Description	Quantity	Rate	Project	Amount
Cimarex - Burgoo King pad Extention 2-19-20 Truck# 001 I.H.S 20yds Loads - 9 Field ticket # 1001	13	85.00	Belly Dump	1,105.00T
Cimarex - Burgoo King pad Extention 2-19-20 Truck # Tomahawk trucking 20yds Loads - 8 Field ticket # 1803	13	85.00	Belly Dump	1,105.00T
Cimarex - Burgoo King pad Extention 2-19-20 Truck # AM Transport 20yds Loads - 9 Field ticket # 144	13	85.00	Belly Dump	1,105.00T
Cimarex - Burgoo King pad Extention 2-19-20 Truck # StarCo 20yds Loads - 8 Field ticket # 487	13	85.00	Belly Dump	1,105.00T
Cimarex - Burgoo King pad Extention 2-19-20 Truck # StarCo 20yds Loads - 8 Field ticket # 677 tax exempt	13	85.00 0.00%	Belly Dump	1,105.00T 0.00

ENTERED
MAR 09 2020

Total $5,525.00

Iron Horse Services, LLC
418 W Avenue C
Lovington, NM 88260

Phone: (806) 632-5616
ironhorseservicesllc@gmail.com

IRON HORSE SERVICES LLC

COMPANY NAME: Bos Enterprise

OIL COMPANY NAME: Cimarex

CONTRACT / JOB NUMBER		FIELD ORDER NUMBER	01001
A.F.E. NUMBER		DATE	02-19-20
ORDERED BY			

DRIVER NAME: Luis Herrera

LEASE: Burgoo King Pad Extension

WELL OR RIG NO.:

TRUCK OR UNIT NO.	AMOUNT HAULED	TIME OUT AM PM	TIME IN AM PM	HOURS CHARGED
001				

DESCRIPTION		RATE		AMOUNT	
Loads	Material				
IIII III	f/w bbls				
	b/w bbls				
	p/w bbls				
	Flowback				
	City Water				
	KCL gal				
	Packer Fluid				
	Solids bbl				
	OBM				
	yards				
	TAX				
	NET TOTAL				

TOP GAUGE / BOTTOM GAUGE

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

Thank You!

TOTAL HOURS CHARGED: 13

OPERATOR OR DRIVER

x Luis Herrera

FOREMAN / SUPERVISOR

x

301 W. Rojo
Hobbs, NM
88240

Tomahawk Trucking, LLC

Vacuum Truck - Belly Dump

Cell: (575) 441-0725
Office: (575) 393-4246
Fax: (575) 393-0416

No. 1803

CUSTOMER INFO.

NAME: Cimarex DATE: 2-19-20

LOCATION: Burgoo King Facility Pad

DRIVER NAME: Alberto Nicolas C	UNIT #: 47	TOTAL HOURS: 13
EQUIPMENT USED: BELLY DUMP	VACUUM TRUCK	BELLY DUMP

DESCRIPTION OF WORK: 8 loads

Customer Representative Signature

	UNIT PRICE	TOTAL FROM TICKET	
VACUUM TRUCK	$	SALES TAX	
BELLY DUMP	$	GRAND TOTAL	

SUPERIOR PRINTING SERVICE, INC.

0144

AM Transport LLC

105 E Washington

Lovington, NM 88260

Cell (575) 399-4208 Office (575) 749-7547

Date: 2-19-20

Driver: Guillermo Martinez

Truck # 4

Company: Cimarex

Location: Bulldog King Pad Extension

Location For:

Job/PO/AFE #

Material(s) Hauled: Base

Loads # IIII

Quantity:

Start Time: End Time: Total Hours: 13

Work Performed:

Approved By:

721 W. Birch
Lovington, NM 88260

STARCO SERVICES, LLC

575-605-4363
starco.services@outlook.com

COMPANY NAME: BDS Enterprises

OIL COMPANY NAME: Chaparral

CONTRACT / JOB NUMBER		FIELD ORDER NUMBER 0487
A.F.E. NUMBER		DATE 02-29-20
ORDERED BY		

DRIVER NAME: Jaime

LEASE: Burger King Facility Pad — WELL OR RIG NO.

TRUCK OR UNIT NO	AMOUNT HAULED	TIME OUT AM PM	TIME IN AM PM	HOURS CHARGED
37				

DESCRIPTION		RATE		AMOUNT	
From Loads Pit	Material				
Caliche 20 Yards	f/w bbls				
	b/w bbls				
	p/w bbls				
To Lockhart	Flowback				
	City Water				
	KCL gal				
	Packer Fluid				
	Solids bbl				
	OBM				
	yards	20	1		
			TAX		
			NET TOTAL		

TOP GAUGE / BOTTOM GAUGE

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	1	1	1	1	1	1	1												

Thank You!

TOTAL HOURS CHARGED: 13

OPERATOR OR DRIVER

x Jaime

FOREMAN / SUPERVISOR

x

721 W. Birch
Lovington, NM 88260

STARCO SERVICES, LLC

575-605-4363
starco.services@outlook.com

COMPANY NAME: BOS Enterprises

OIL COMPANY NAME: Cimarex

CONTRACT / JOB NUMBER	
A.F.E. NUMBER	
ORDERED BY	

FIELD ORDER NUMBER 0677

DATE 02-19-20

DRIVER NAME: Efrain Fino

LEASE: Burgoo King Pad Extension

WELL OR RIG NO.:

TRUCK OR UNIT NO. 27 | AMOUNT HAULED | TIME OUT AM/PM | TIME IN AM/PM | HOURS CHARGED 12

DESCRIPTION		RATE	AMOUNT
Drove to location	Material		
Hauled 8 loads	f/w bbls		
c/	b/w bbls		
	p/w bbls		
	Flowback		
	City Water		
20. 4238	KCL gal		
	Packer Fluid		
	Solids bbl		
	OBM		
	yards		

TOP GAUGE BOTTOM GAUGE

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
✓	✓	✓	✓	✓	✓	✓	✓												

TAX

NET TOTAL

Thank You!

TOTAL HOURS CHARGED: 13

OPERATOR OR DRIVER
x [signature]

FOREMAN / SUPERVISOR
x [signature]

Iron Horse Services LLC
418 W ave C
Lovington
NM 88260

RECEIVED
MAR 0 4 2020

IRON HORSE SERVICES LLC

Bill To
BDS Enterprises LLC PO Box 2286 Carlsbad, NM 88221

315577
RECEIVED
MAR 0 6 2020

Invoice

Date	Invoice #
3/2/2020	1346

Jeb.

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

Description	Quantity	Rate	Project	Amount
Select Energy Cowtown South Truck # 02 Reyes 12yd Loads-1 Field ticket # 094125 R360 Manifest # 444585	6	75.00	Dump Truck	450.00T
Select Energy Cowtown South Truck # 1 Montana 12yd Loads-1 Field ticket # 273 R360 Manifest # 273 Ticket # 700-111-8244	6	75.00	Dump Truck	450.00T
Select Energy Cowtown South Truck # 2 Montana 12yd Loads-1 Field ticket # 272 R360 Manifest # 272 Ticket # 700-111-8245	6	75.00	Dump Truck	450.00T
tax exempt		0.00%		0.00

ENTERED
MAR 0 9 2020

Total $1,350.00

L-R Trucking 094125

Invoice

SOLD TO: Iron Horse Services LLC	SHIP TO: L-R Trucking
ADDRESS: 418 west Ave C	ADDRESS: P.O Box 2393
CITY, STATE, ZIP: Lovington NM 88260	CITY, STATE, ZIP: Hobbs NM 88241

CUSTOMER ORDER NO:	SOLD BY	TERMS	F.O.B.	DATE
				2-27-20

ORDERED	SHIPPED	DESCRIPTION	PRICE	UNIT	AMOUNT
		Dump Truck #02			
		Hauled (1) Loads of Cont Soil			
		From Location to R360			
		6 Hours			
Company		Select Energy			
Lease		Cowtown South			
		Douglas Ewing			

adams 5040 09-18

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	SELECT ENERGY SERVICES	Ticket #:	700-1118249
Customer #:	CRI5255	Bid #:	Walk-in Bid
Ordered by:	RICK FOUCH	Date:	2/27/2020
AFE #:		Generator:	SELECT ENERGY SERVICES
PO #:		Generator #:	
Manifest #:	444585	Well Ser. #:	999908
Manif. Date:	2/27/2020	Well Name:	COWTOWN SOUTH
Hauler:	LR TRUCKING	Well #:	
Driver	LUIS	Field:	
Truck #	02	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	EDDY (NM)

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:	10	0.00	0.00	0.00	0					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:

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

_ 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 Luis Reyes

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: 2/27/20

t6UJ9A01DI0F

2/27/2020 1:31:06PM

Montana Trucking, LLC

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

BILL TO: Select Energy

CONTRACT NUMBER		FIELD ORDER NUMBER	273
A.F.E. NUMBER		DATE	02-27-20
REQ. OR PURCHASE ORDER NUMBER		ORDERED BY	

DELIVERED FROM: Rick South TO: 360

LOCATION: Cow Town South WELL OR RIG NO.

TRUCK OR UNIT NO.	CAPACITY	AMOUNT HAULED	TIME OUT AM PM	TIME IN AM PM	HOURS CHGD.	DELIVERED BY
~~#~~ 1	12 Yrs					

DESCRIPTION	○HR. ○BBL.	RATE	AMOUNT
12 Yardas tierra Contaminada	Hrs.		
	bbls		
	#KCL		
6 hours	Disp		
	Disp		
	Loads		
	Yards		
TOP GAUGE BOTTOM GAUGE	Other		

HIGHWAY MILES	
LOADED	UNLOADED

TERMS: TAX NET TOTAL

AUTHORIZED BY:

OPERATOR OR DRIVER: Rene Ramirez

x Douglas Ewing

Thank You

SUPERIOR PRINTING SERVICE, INC.

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	SELECT ENERGY SERVICES	Ticket #:	700-1118244
Customer #:	CRI5255	Bid #:	Walk-in Bid
Ordered by:	RICK FOUCH	Date:	2/27/2020
AFE #:		Generator:	SELECT ENERGY SERVICES
PO #:		Generator #:	
Manifest #:	273	Well Ser. #:	999908
Manif. Date:	2/27/2020	Well Name:	COWTOWN SOUTH
Hauler:	MONTANA TRUCKING, LLC	Well #:	
Driver	RAMERIEZ	Field:	
Truck #	01	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	EDDY (NM)

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:

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

_ 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: Select Energy

CONTRACT NUMBER		FIELD ORDER NUMBER	272
A.F.E. NUMBER		DATE	02-27-20
REQ. OR PURCHASE ORDER NUMBER		ORDERED BY	

DELIVERED FROM: Rick Ranch TO: 360

LOCATION: Cow Town South WELL OR RIG NO.:

TRUCK OR UNIT NO.	CAPACITY	AMOUNT HAULED	TIME OUT AM PM	TIME IN AM PM	HOURS CHGD.	DELIVERED BY
#2	12 Yrs					

DESCRIPTION	○HR. ○BBL.	RATE	AMOUNT
12 Yards from Contaminada	Hrs.		
	bbls		
	#KCL		
6 Hours	Disp		
	Disp		
	Loads		
	Yards		
TOP GAUGE BOTTOM GAUGE	Other		

HIGHWAY MILES	
LOADED	UNLOADED

TERMS: TAX NET TOTAL

AUTHORIZED BY:

OPERATOR OR DRIVER: Benito Ramirez

x Douglas Ewing

Thank You

SUPERIOR PRINTING SERVICE, INC.

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer: SELECT ENERGY SERVICES
Customer #: CRI5255
Ordered by: RICK FOUCH
AFE #:
PO #:
Manifest #: 272
Manif. Date: 2/27/2020
Hauler: MONTANA TRUCKING, LLC
Driver BENITO
Truck # 2
Card #
Job Ref #

Ticket #: 700-1118245
Bid #: Walk-in Bid
Date: 2/27/2020
Generator: SELECT ENERGY SERVICES
Generator #:
Well Ser. #: 999908
Well Name: COWTOWN SOUTH
Well #:
Field:
Field #:
Rig: NON-DRILLING
County EDDY (NM)

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.	10	0.00	0.00	0.00	0					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:

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

_ 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: _____

Iron Horse Services LLC
418 W ave C
Lovington
NM 88260

RECEIVED
MAR 18 2020

IRON HORSE SERVICES LLC

Bill To
BDS Enterprises LLC
PO Box 2286
Carlsbad, NM 88221

3135776
577
RECEIVED
MAR 18 2020

Invoice

Date 3/10/2020
Invoice # 1354

P.O. No.	Terms	Project
Brent Wilson	Net 30	Cowtown South

Description	Quantity	Rate	Project	Amount
Select Energy - Cowtown South 3-9-20 Truck # 3 Montana Loads -16 Field Ticket # 477	11	75.00	Dump Truck	825.00T
Select Energy - Cowtown South 3-9-20 Truck # 1 Montana Loads -16 Field Ticket # 477	11	75.00	Dump Truck	825.00T
tax exempt		0.00%		0.00
			Total	$1,650.00

EFTRCD
APR 02 2020

Montana Trucking, LLC

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

BILL TO: BDS Enterprises

CONTRACT NUMBER:
A.F.E. NUMBER:
REQ. OR PURCHASE ORDER NUMBER:

FIELD ORDER NUMBER: 0477
DATE: 03/9/2020
ORDERED BY:

DELIVERED FROM:
TO:
WELL OR RIG NO.:
LOCATION: Select Cowtown South

TRUCK OR UNIT NO.	CAPACITY	AMOUNT HAULED	TIME OUT AM PM	TIME IN AM PM	HOURS CHGD.	DELIVERED BY
3	12					

DESCRIPTION	○ HR. ○ BBL.	RATE	AMOUNT
	Hrs.		
	bbls		
	#KCL		
11 Hours	Disp		
	Disp		
	Loads		
	Yards		
	Other		

TOP GAUGE BOTTOM GAUGE

HIGHWAY MILES	
LOADED	UNLOADED

TERMS:

TAX:
NET TOTAL:

AUTHORIZED BY:

OPERATOR OR DRIVER: Ernesto Aguilar x Douglas Ewing

Thank You

SUPERIOR PRINTING SERVICE, INC.

Montana Trucking, LLC

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

BILL TO: BDS Enterprises

CONTRACT NUMBER		FIELD ORDER NUMBER	0577
A.F.E. NUMBER		DATE	03-09-20
REQ. OR PURCHASE ORDER NUMBER		ORDERED BY	

DELIVERED FROM | TO | WELL OR RIG NO.

LOCATION: Select Cowtown South

TRUCK OR UNIT NO.	CAPACITY	AMOUNT HAULED	TIME OUT AM PM	TIME IN AM PM	HOURS CHGD.	DELIVERED BY
#1	12 Tn					

DESCRIPTION	○ HR. ○ BBL.	RATE	AMOUNT
Lift Lift Lift 1	Hrs.		
	bbls		
	#KCL		
11 Hours	Disp		
	Disp		
	Loads		
	Yards		
TOP GAUGE BOTTOM GAUGE	Other		
		TAX	
		NET TOTAL	

HIGHWAY MILES	
LOADED	UNLOADED

TERMS:

AUTHORIZED BY:

OPERATOR OR DRIVER: Benito Ramirez

x Douglas Ewing

Thank You

SUPERIOR PRINTING SERVICE, INC.

Iron Horse Services LLC
418 W ave C
Lovington
NM 88260

RECEIVED
MAR 18 2020

3135 Tle 577
RECEIVED
MAR 18 2020

IRON HORSE SERVICES LLC

Invoice

Bill To
BDS Enterprises LLC PO Box 2286 Carlsbad, NM 88221

Date 3/10/2020

Invoice # 1355

P.O. No.	Terms	Project
Brent Wilson	Net 30	Cowtown South

Description	Quantity	Rate	Project	Amount
Select Energy - Cowtown South 3-10-20 Truck # J53 JTS Trucking Loads -6 Field Ticket # 247473	5	75.00	Dump Truck	375.00T
Select Energy - Cowtown South 3-10-20 Truck # J54 JTS Trucking Loads -6 Field Ticket # 440120	5	75.00	Dump Truck	375.00T
Select Energy - Cowtown South 3-10-20 Truck # 3 Montana Trucking Loads -5 Field Ticket # 478	5	75.00	Dump Truck	375.00T
Select Energy - Cowtown South 3-10-20 Truck # 8 Perazas Transport Loads -3 Field Ticket # 1392	5	75.00	Dump Truck	375.00T
Select Energy - Cowtown South 3-10-20 Truck # 9 Perazas Transport Loads -3 Field Ticket # 1391 tax exempt	5	75.00 0.00%	Dump Truck	375.00T 0.00
			Total	$1,875.00

ENTERED
APR 07 2020

247473

RAMON ACOSTA HDEZ

IRON HORSE SERVICES LLC

418 W AVE C

~~(HOBBS NM 88241)~~

→LOVINGTON NM 88260

JTS TRUCKING - Jesus Sepulveda
P.O. Box 2633
Hobbs, NM 88241

575 390 8294

J53

12 YARDS 03-10-20

ORDERED	SHIPPED	DESCRIPTION	PRICE	UNIT	AMOUNT
3-10-20		COMPANY BAS ENTERPRISES			
		LEASE 4 SELECT COWTOWN SOUTH TOP SOIL			
		LOADS 6			
		HOURS 5 HORS			

Douglas Ewing

440120

Invoice

SOLD TO: Iron Horse Services LLC	SHIP TO: JTS TRUCKING - Jesus Sepulveda
ADDRESS: 418 W Ave C	ADDRESS: P.O. Box 2633
CITY, STATE, ZIP: Lovington NM 88260	CITY, STATE, ZIP: Hobbs, NM 88241
	575 390 8194

CUSTOMER ORDER NO	SOLD BY	TERMS	F.O.B	DATE
		J54		3-10-20

ORDERED	SHIPPED	DESCRIPTION	PRICE	UNIT	AMOUNT
3-10-20		Company: BDS Enterprises			
		Lease: 4 Select Contain Soil Top Soil			
		Loads: 2			
		Hours: 5 Hours			
		Douglas Ewing			

Montana Trucking, LLC

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

BILL TO: BDS Enterprises

CONTRACT NUMBER:
A.F.E. NUMBER:
REQ. OR PURCHASE ORDER NUMBER:
FIELD ORDER NUMBER: 0478
DATE: 03/10/2020
ORDERED BY:

DELIVERED FROM:
TO:
LOCATION: Select Cowtown South
WELL OR RIG NO.:

TRUCK OR UNIT NO.	CAPACITY	AMOUNT HAULED	TIME OUT AM PM	TIME IN AM PM	HOURS CHGD.	DELIVERED BY
3	12					

DESCRIPTION	○HR. ○BBL.	RATE	AMOUNT
	Hrs.		
5 hours	bbls		
	#KCL		
	Disp		
	Disp		
	Loads		
	Yards		
TOP GAUGE BOTTOM GAUGE	Other		

HIGHWAY MILES	
LOADED	UNLOADED

TERMS:

TAX:
NET TOTAL:

AUTHORIZED BY:

OPERATOR OR DRIVER: Ernesto Aguilar x Jayden Ewing

SUPERIOR PRINTING SERVICE, INC.

Thank You

PERAZA'S TRANSPORT, LLC

P.O. BOX 3243 • HOBBS, NM 88241
blancaperaza0070@gmail.com
Ph 575-441-2129 / 575-408-3735

INVOICE
1392

Date 03/10/20

Company BDS Enterprises

Location Cavine Pit - CO-407

Deliver to

START TIME ____ AM PM END TIME ____ AM PM TOTAL HOURS ____

Job # PO #

EQUIPMENT PROVIDED BY:

		#
Flatbed		
Belly Dump		
Dump Truck	V	# 8
Lowboy 3 Axle		
Lowboy 4 Axle		
Pipe Trailer		
Other		
Other		

WORK DESCRIPTION	Scale #'s
5 Hours.	
3 loads	
Lease = South Cowtown South	
Driver = Eduardo	

Work Performed By

Company Man Signature Douglas Cain

PERAZA'S TRANSPORT, LLC

P.O. BOX 3243 • HOBBS, NM 88241
blancaperaza0070@gmail.com
Ph 575-441-2129 / 575-408-3735

INVOICE
1391

Date 03/10/20

Company Bds Enterprises

Location @ Caprine Pit - CO- 407

Deliver to [illegible]

START TIME ____ AM PM END TIME ____ AM PM TOTAL HOURS ____

Job # PO #

EQUIPMENT PROVIDED BY:

	#
Flatbed	
Belly Dump	
Dump Truck	V # 9
Lowboy 3 Axle	
Lowboy 4 Axle	
Pipe Trailer	
Other	
Other	

WORK DESCRIPTION	Scale #'s
5 [illegible] Hours	
3 loads.	
lease = Select Cowtown South	
Driver = Jesus Mendoza.	

Work Performed By

Company Man Signature Douglas Ewing

Iron Horse Services LLC
418 W ave C
Lovington
NM 88260

RECEIVED
MAR 18 2020

3135776 577

RECEIVED
MAR 18 2020

IRON HORSE SERVICES LLC

Bill To
BDS Enterprises LLC PO Box 2286 Carlsbad, NM 88221

Invoice

Date	Invoice #
3/10/2020	1356

P.O. No.	Terms	Project
Brent Wilson	Net 30	Cowtown North

Description	Quantity	Rate	Project	Amount
Select Energy - Cowtown North 3-10-20 Truck # J53 JTS Trucking Loads -6 Field Ticket # 247474	8	75.00	Dump Truck	600.00T
Select Energy - Cowtown South 3-10-20 Truck # J54 JTS Trucking Loads -6 Field Ticket # 440121	8	75.00	Dump Truck	600.00T
Select Energy - Cowtown South 3-10-20 Truck # 3 Montana Trucking Loads -6 Field Ticket # 479	8	75.00	Dump Truck	600.00T
Select Energy - Cowtown South 3-10-20 Truck # 8 Perazas Transport Loads -6 Field Ticket # 1394	8	75.00	Dump Truck	600.00T
Select Energy - Cowtown South 3-10-20 Truck # 9 Perazas Transport Loads -6 Field Ticket # 1393 tax exempt	8	75.00 0.00%	Dump Truck	600.00T 0.00

Total $3,000.00

ENTERED
APR 02 2020
OK

247474

JTS TRUCKING - Jesus Sepulveda
P.O. Box 2633
Hobbs, NM 88241

Ramon Acosta

Iron Horse Services LLC
418 W Ave C
Lovington N.M 88260

F.O.B. JSS

DATE 3-10-20

QUANTITY	DESCRIPTION	PRICE	UNIT	AMOUNT
3-10-20	Company: BDS Enterprises			
	Lease: Select Caw Town North Top Soil			
	Loads: 6			
	Hours 8 Hours			
	Douglas Enriz			

440121

Jesus

Invoice

SOLD TO: Iron Horse Services LLC
ADDRESS: 418 W Ave C
CITY, STATE, ZIP: Lovington NM 88260

SHIP TO: JTS TRUCKING - Jesus Sepulveda
ADDRESS: P.O. Box 2633
CITY, STATE, ZIP: Hobbs, NM 88241
575 390 8294

CUSTOMER ORDER NO. | SOLD BY | TERMS | F.O.B. J54 | DATE 3-10-20

ORDERED	SHIPPED	DESCRIPTION	PRICE	UNIT	AMOUNT
3-10-20		Company: BDS Enterprises			
		Lease: Select Cow Town North Top Soil			
		Loads: 4			
		Hours: 8 Hours			
		Douglas Ewing			

PERAZA'S TRANSPORT, LLC

P.O. BOX 3243 • HOBBS, NM 88241
blancaperaza0070@gmail.com
Ph 575-441-2129 / 575-408-3735

INVOICE
1394

Date 03/10/20

Company BDS Enterprises

Location Caliche Pit - CO-407

Deliver to

START TIME ____ : ____ AM PM END TIME ____ : ____ AM PM TOTAL HOURS ____

Job # | PO #

EQUIPMENT PROVIDED BY:

Flatbed	#
Belly Dump	
Dump Truck	V # 8
Lowboy 3 Axle	
Lowboy 4 Axle	
Pipe Trailer	
Other	
Other	

WORK DESCRIPTION	Scale #'s
6 loads 6 Hours	
lease = Select Cowtown North	
Driver = Evelardo	

Work Performed By

Company Man Signature Douglas Ewing

PERAZA'S TRANSPORT, LLC

P.O. BOX 3243 • HOBBS, NM 88241
blancaperaza0070@gmail.com
Ph 575-441-2129 / 575-406-3735

INVOICE
1393

Date 03/10/20

Company BDS Enterprises

Location Caviness Pit - CO-407

Deliver to

START TIME ____ : ____ AM PM END TIME ____ : ____ AM PM TOTAL HOURS ____

Job # | PO #

EQUIPMENT PROVIDED BY:

		#
Flatbed		
Belly Dump		
Dump Truck	✓	# 9
Lowboy 3 Axle		
Lowboy 4 Axle		
Pipe Trailer		
Other		
Other		

WORK DESCRIPTION	Scale #'s
6 loads 6 Hours	
Haul = Select Cow Town North	
Driver = Jesus Mendoza	

Work Performed By

Company Man Signature Stephen Ewing

Montana Trucking, LLC

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

BILL TO: BDS Enterprises

CONTRACT NUMBER		FIELD ORDER NUMBER	0479
A.F.E. NUMBER		DATE	03/10/2020
REQ. OR PURCHASE ORDER NUMBER		ORDERED BY	

DELIVERED FROM | TO

LOCATION: Select Cowtown North | WELL OR RIG NO.

TRUCK OR UNIT NO.	CAPACITY	AMOUNT HAULED	TIME OUT AM PM	TIME IN AM PM	HOURS CHGD.	DELIVERED BY
#3	12					

DESCRIPTION	○ HR. ○ BBL.	RATE	AMOUNT
VVVVV	Hrs.		
8 hours	bbls		
	#KCL		
	Disp		
	Disp		
	Loads		
	Yards		
TOP GAUGE BOTTOM GAUGE	Other		

HIGHWAY MILES	
LOADED	UNLOADED

TERMS: _____ TAX _____ NET TOTAL _____

AUTHORIZED BY:

OPERATOR OR DRIVER: Ernesto Hovilar x Douglas Ewing

Thank You

SUPERIOR PRINTING SERVICE, INC.

Iron Horse Services LLC
418 W ave C
Lovington
NM 88260

RECEIVED
MAR 18 2020

313576
577
RECEIVED
MAR 18 2020

IRON HORSE SERVICES LLC

Bill To
BDS Enterprises LLC PO Box 2286 Carlsbad, NM 88221

Invoice

Date	Invoice #
3/11/2020	1357

2 pgs -

ENTERED
APR 02 2020

P.O. No.	Terms	Project
	Net 30	

Description	Quantity	Rate	Project	Amount
Select Energy - Cowtown South 3-11-20 Truck # J53 JTS Trucking Loads -7 Field Ticket # 247475	12	75.00	Dump Truck	900.00T
Select Energy - Cowtown South 3-11-20 Truck # J53 JTS Trucking Loads -7 Field Ticket # 247475	12	75.00	Dump Truck	900.00T
Select Energy - Cowtown South 3-11-20 Truck # 3 Montana Trucking Loads -7 Field Ticket # 480	12	75.00	Dump Truck	900.00T
Select Energy - Cowtown South 3-11-20 Truck # 1 Montana Trucking Loads -7 Field Ticket # 578	12	75.00	Dump Truck	900.00T
Select Energy - Cowtown South 3-11-20 Truck # 8 Perazas Transport Loads -7 Field Ticket # 1396	12	75.00	Dump Truck	900.00T
Select Energy - Cowtown South 3-11-20 Truck # 9 Perazas Transport Loads -7 Field Ticket # 1397	12	75.00	Dump Truck	900.00T
Select Energy - Cowtown South 3-11-20 Truck # 10 Perazas Transport Loads -7 Field Ticket # 1395	12	75.00	Dump Truck	900.00T

Total

Iron Horse Services LLC
418 W ave C
Lovington
NM 88260

Bill To
BDS Enterprises LLC PO Box 2286 Carlsbad, NM 88221

Invoice

Date	Invoice #
3/11/2020	1357

P.O. No.	Terms	Project
	Net 30	

Description	Quantity	Rate	Project	Amount
tax exempt		0.00%		0.00
			Total	$6,300.00

247475

RAMON ACOSTA H

IRON HORSE SERVICES LLE
418 W AVE C
LOVINGTON N.M 88260

JTS TRUCKING - Jesus Sepulveda
P.O. Box 2633
Hobbs, NM 88241

F.O.B. J53 TRUCK DATE 3-11-20

ORDERED	SHIPPED	DESCRIPTION	PRICE	UNIT	AMOUNT
3-11-20		COMPANY BAS ENTERPRISES			
		LENSE SELECTION NORTH TOP SOIL			
		LOADS 7			
		HORS 12 HORS			
		Douglas Ewing			

440122

Invoice

SOLD TO: IRON HORSE SERVICES LLC
ADDRESS: 418 W AVE C
CITY, STATE, ZIP: LOVINGTON N.M 88260

SHIP TO: JTS TRUCKING - Jesus Sepulveda
ADDRESS: P.O. Box 2633
Hobbs, NM 88241
CITY, STATE, ZIP: 575 390 8294

DATE: 3-11-20

CUSTOMER ORDER NO.	SOLD BY	TERMS	F.O.B.
			J54

ORDERED	SHIPPED	DESCRIPTION	PRICE	UNIT	AMOUNT
3-11-20		Company: BDS ENTERPRICES			
		LEASE: SELECT Cowtown North			
		Top Soil			
		LOADS: 7			
		HOURS: 12 HOURS			
		Powder Ewing			

Montana Trucking, LLC

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

BILL TO: BDS Enterprises

CONTRACT NUMBER:
A.F.E. NUMBER:
REQ. OR PURCHASE ORDER NUMBER:
FIELD ORDER NUMBER: 0480
DATE: 03/11/2020
ORDERED BY:

DELIVERED FROM:
TO:
LOCATION: Selt Cowtown North
WELL OR RIG NO.:

TRUCK OR UNIT NO.	CAPACITY	AMOUNT HAULED	TIME OUT AM/PM	TIME IN AM/PM	HOURS CHGD.	DELIVERED BY
3	12					

DESCRIPTION	○ HR. ○ BBL.	RATE	AMOUNT
VVVVVV	Hrs.		
	bbls		
12 hours	#KCL		
	Disp		
	Disp		
	Loads		
	Yards		
TOP GAUGE BOTTOM GAUGE	Other		

HIGHWAY MILES	
LOADED	UNLOADED

TERMS:

TAX:
NET TOTAL:

AUTHORIZED BY:

OPERATOR OR DRIVER: Ernesto Aguilar X Douglas Ewing

Thank You

SUPERIOR PRINTING SERVICE, INC.

Montana Trucking, LLC

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

BILL TO: BDS Enterprises

CONTRACT NUMBER		FIELD ORDER NUMBER	0578
A.F.E. NUMBER		DATE	3/11/21
REQ. OR PURCHASE ORDER NUMBER		ORDERED BY	

DELIVERED FROM: ~~Select Cow Town~~ Pit

TO:

LOCATION: Select Cow Town North

WELL OR RIG NO.:

TRUCK OR UNIT NO.	CAPACITY	AMOUNT HAULED	TIME OUT AM PM	TIME IN AM PM	HOURS CHGD.	DELIVERED BY
1						

DESCRIPTION	○HR. ○BBL.	RATE	AMOUNT
7 Loads	Hrs.		
	bbls		
12 Hours	#KCL		
	Disp		
	Disp		
	Loads		
	Yards		
TOP GAUGE BOTTOM GAUGE	Other		

HIGHWAY MILES	
LOADED	UNLOADED

TERMS:

TAX

NET TOTAL

AUTHORIZED BY:

OPERATOR OR DRIVER: D Mon

x Douglas Ewing

Thank You

SUPERIOR PRINTING SERVICE, INC.

PERAZA'S TRANSPORT, LLC

P.O. BOX 3243 • HOBBS, NM 88241
blancaperaza0070@gmail.com
Ph 575-441-2129 / 575-408-3735

INVOICE
1396

Date 03-11-20

Company BDS enterprises

Location Caliche Pit - CO-407

Deliver to

START TIME 6:00 AM PM END TIME 6:00 AM PM TOTAL HOURS 12

Job # PO #

EQUIPMENT PROVIDED BY:

Flatbed	#
Belly Dump	
Dump Truck ✓	#08
Lowboy 3 Axle	
Lowboy 4 Axle	
Pipe Trailer	
Other	
Other	

WORK DESCRIPTION	Scale #'s
7 Loads	
Lease = Select Cow town nort	

Work Performed By

Company Man Signature Douglas Ewing

PERAZA'S TRANSPORT, LLC

P.O. BOX 3243 • HOBBS, NM 88241
blancaperaza0070@gmail.com
Ph 575-441-2129 / 575-408-3735

INVOICE
1397

Date 03-11-20

Company BDS enterprise

Location caliche Pit-Co-407

Deliver to

START TIME 6 AM/PM END TIME 6 AM/PM TOTAL HOURS 12

Job # | PO #

EQUIPMENT PROVIDED BY:

Flatbed	#
Belly Dump	
Dump Truck ✓	#09 (AT)
Lowboy 3 Axle	
Lowboy 4 Axle	
Pipe Trailer	
Other	
Other	

WORK DESCRIPTION	Scale #'s
7 Loads	
Lease= select cow town Nort	

Work Performed By

Company Man Signature Douglas Ewing

PERAZA'S TRANSPORT, LLC

P.O. BOX 3243 • HOBBS, NM 88241
blancaperaza0070@gmail.com
Ph 575-441-2129 / 575-408-3735

INVOICE
1395

Date 03/11/20

Company BDS Enterprises

Location Eunice Pit - CO - 407

Deliver to

START TIME 6 AM/PM END TIME 6 AM/PM TOTAL HOURS 12

Job # PO #

EQUIPMENT PROVIDED BY:

Flatbed		#
Belly Dump		
Dump Truck	V	# 10
Lowboy 3 Axle		
Lowboy 4 Axle		
Pipe Trailer		
Other		
Other		

WORK DESCRIPTION	Scale #'s
7 loads	
lease = Select row town Mart.	

Work Performed By

Company Man Signature Douglas Ewing

Iron Horse Services LLC
418 W ave C
Lovington
NM 88260

RECEIVED
MAR 18 2020

3135 Ple 577
RECEIVED
MAR 18 2020

IRON HORSE SERVICES LLC

Bill To
BDS Enterprises LLC PO Box 2286 Carlsbad, NM 88221

ENTERED
APR 02 2020

Invoice

Date 3/13/2020 **Invoice #** 1358

2 pgs.

P.O. No.	Terms	Project
	Net 30	

Description	Quantity	Rate	Project	Amount
Select Energy - Cowtown South 3-12-20 Truck # J53 JTS Trucking Loads -6 Field Ticket # 247476	10	75.00	Dump Truck	750.00T
Select Energy - Cowtown South 3-12-20 Truck # J54 JTS Trucking Loads -6 Field Ticket # 440123	10	75.00	Dump Truck	750.00T
Select Energy - Cowtown South 3-11-20 Truck # 3 Montana Trucking Loads -6 Field Ticket # 481	10	75.00	Dump Truck	750.00T
Select Energy - Cowtown South 3-11-20 Truck # 1 Montana Trucking Loads -5 Field Ticket # 579	10	75.00	Dump Truck	750.00T
Select Energy - Cowtown South 3-11-20 Truck # 10 Perazas Transport Loads -6 Field Ticket # 1399	10	75.00	Dump Truck	750.00T
Select Energy - Cowtown South 3-11-20 Truck # 9 Perazas Transport Loads -6 Field Ticket # 1400	10	75.00	Dump Truck	750.00T
Select Energy - Cowtown South 3-11-20 Truck # 8 Perazas Transport Loads -6 Field Ticket # 1398	10	75.00	Dump Truck	750.00T
			Total	

Iron Horse Services LLC
418 W ave C
Lovington
NM 88260

IRON HORSE SERVICES LLC

Bill To
BDS Enterprises LLC PO Box 2286 Carlsbad, NM 88221

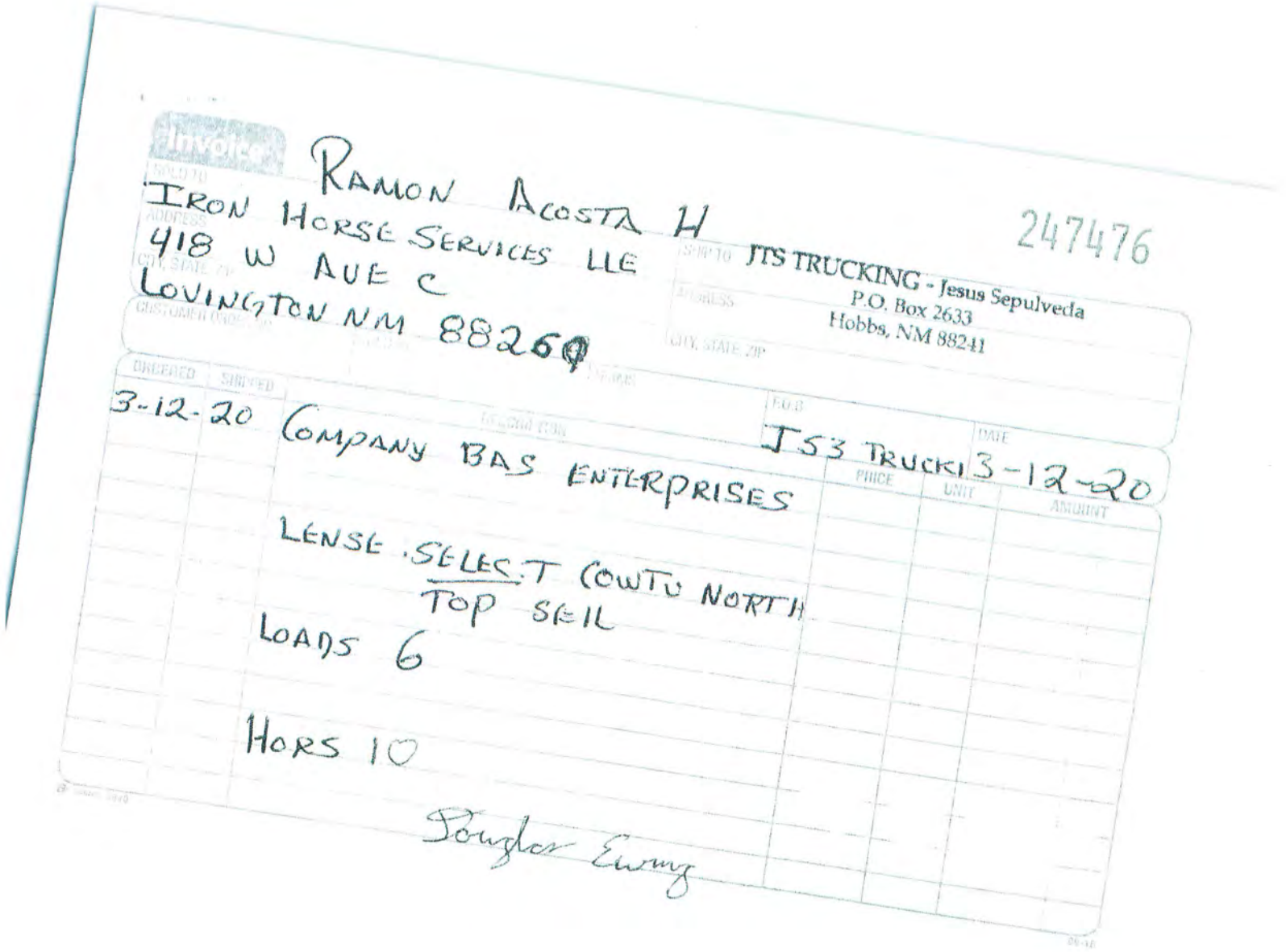
Invoice

Date	Invoice #
3/13/2020	1358

P.O. No.	Terms	Project
	Net 30	

Description	Quantity	Rate	Project	Amount
tax exempt		0.00%		0.00
			Total	$5,250.00

ENTERED
APR 02 2020



Invoice

SOLD TO
RAMON ACOSTA H
IRON HORSE SERVICES LLE
ADDRESS
418 W AVE C
CITY, STATE, ZIP
LOVINGTON NM 88260
CUSTOMER ORDER NO.

247476

SHIP TO
JTS TRUCKING - Jesus Sepulveda
P.O. Box 2633
Hobbs, NM 88241
ADDRESS
CITY, STATE, ZIP

ORDERED	SHIPPED	DESCRIPTION	PRICE	UNIT	AMOUNT
3-12-20		COMPANY BAS ENTERPRISES			
		LENSE SELECT COWTU NORTH			
		TOP SEIL			
		LOADS 6			
		HORS 10			
		Douglas Ewing			

F.O.B
JTS TRUCKI
DATE
3-12-20

Invoice

440123

SOLD TO: Iron Hourse Services LLC

ADDRESS: 418 W Ave C

CITY, STATE, ZIP: Lovington N.M 88260

SHIP TO: JTS TRUCKING - Jesus Sepulveda

ADDRESS: P.O. Box 2633
Hobbs, NM 88241

CITY, STATE, ZIP: 575 390 8294

CUSTOMER ORDER NO. | SOLD BY | TERMS | F.O.B. J54 | DATE 3-12-20

ORDERED	SHIPPED	DESCRIPTION	PRICE	UNIT	AMOUNT
3-12-20		Company: BDS Enterprise			
		Lease: Select Cowtown North			
		Loads 6			
		Hours 10			
		Sanders Evening			

Montana Trucking, LLC

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

BILL TO: BDS Enterprises

CONTRACT NUMBER:
A.F.E. NUMBER:
REQ. OR PURCHASE ORDER NUMBER:
FIELD ORDER NUMBER: 0481
DATE: 03/12/2020
ORDERED BY:

DELIVERED FROM:
TO:
LOCATION: Selecc outorop North
WELL OR RIG NO.:

TRUCK OR UNIT NO.	CAPACITY	AMOUNT HAULED	TIME OUT AM PM	TIME IN AM PM	HOURS CHGD.	DELIVERED BY
#3	12					

DESCRIPTION	○ HR. ○ BBL.	RATE	AMOUNT
✓ ✓ ✓ ✓ ✓ ✓	Hrs.		
	bbls		
	#KCL		
	Disp		
	Disp		
10 Hours	Loads		
	Yards		
TOP GAUGE BOTTOM GAUGE	Other		

HIGHWAY MILES	
LOADED	UNLOADED

TERMS:

TAX:
NET TOTAL:

AUTHORIZED BY:

OPERATOR OR DRIVER: Ernesto Aguilar x Douglas Ewing

Thank You

SUPERIOR PRINTING SERVICE, INC.

Montana Trucking, LLC

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

BILL TO: BOS Enterprises

CONTRACT NUMBER:
A.F.E. NUMBER:
REQ. OR PURCHASE ORDER NUMBER:
FIELD ORDER NUMBER: 0579
DATE: 3/12/21
ORDERED BY:

DELIVERED FROM: Pit
TO:
LOCATION: Select Cow Town North
WELL OR RIG NO.:

TRUCK OR UNIT NO.	CAPACITY	AMOUNT HAULED	TIME OUT AM/PM	TIME IN AM/PM	HOURS CHGD.	DELIVERED BY
1						

DESCRIPTION	○ HR. ○ BBL.	RATE	AMOUNT
	Hrs.		
Hauled Top Soil	bbls		
	#KCL		
	Disp		
	Disp		
10 Hours	5 Loads		
	Yards		
TOP GAUGE BOTTOM GAUGE	Other		

HIGHWAY MILES	
LOADED	UNLOADED

TERMS:

TAX:
NET TOTAL:

AUTHORIZED BY:

OPERATOR OR DRIVER: P Mon

x Tonya Ewing

Thank You

SUPERIOR PRINTING SERVICE, INC.

PERAZA'S TRANSPORT, LLC

P.O. BOX 3243 • HOBBS, NM 88241
blancaperaza0070@gmail.com
Ph 575-441-2129 / 575-408-3735

INVOICE
1399

Date 03-12-20

Company BDS enterprise

Location Caliche Pit - CO-407

Deliver to

START TIME ____ : ____ AM PM END TIME ____ : ____ AM PM TOTAL HOURS 10

Job # PO #

EQUIPMENT PROVIDED BY:

Flatbed	#
Belly Dump	
Dump Truck ✓	#10
Lowboy 3 Axle	
Lowboy 4 Axle	6 Loads
Pipe Trailer	
Other	
Other	

WORK DESCRIPTION	Scale #'s
Lease = Select Cowtown north	
Driver = Angel	

Work Performed By

Company Man Signature Douglas Ewing

PERAZA'S TRANSPORT, LLC

P.O. BOX 3243 • HOBBS, NM 88241
blancaperaza0070@gmail.com
Ph 575-441-2129 / 575-408-3735

INVOICE
1400

Date 03-12-20

Company BDS enterprise

Location Caliche Pit. - Co-407

Deliver to

START TIME ____ AM PM END TIME ____ AM PM TOTAL HOURS 16

Job # | PO #

EQUIPMENT PROVIDED BY:

Flatbed	#	
Belly Dump		
Dump Truck	✓	#09
Lowboy 3 Axle		
Lowboy 4 Axle		6 Loads (AT)
Pipe Trailer		
Other		
Other		

WORK DESCRIPTION	Scale #'s
Lease = select cow town nort	
Driver = Jesus	

Work Performed By

Company Man Signature Douglas Ewing

c-5 & Tere

PERAZA'S TRANSPORT, LLC

P.O. BOX 3243 • HOBBS, NM 88241
blancaperaza0070@gmail.com
Ph 575-441-2129 / 575-408-3735

INVOICE
1398

Date 03-17-20

Company BDS enterprise

Location Caliche Pit-CO-407

Deliver to

START TIME ____ AM PM END TIME ____ AM PM TOTAL HOURS 10

Job # | PO #

EQUIPMENT PROVIDED BY:

Flatbed	#	
Belly Dump		
Dump Truck	✓	FF08
Lowboy 3 Axle		
Lowboy 4 Axle		6 Loads
Pipe Trailer		
Other		
Other		

WORK DESCRIPTION	Scale #'s
Lease= Select Cow town north	
Driver Everardo Chaparro	

Work Performed By

Company Man Signature Douglas Ewing

Appendix B

Laboratory Reports

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

PBELAB

Analytical Report

Prepared for:

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

Project: Select Energy Cowtown South
Project Number: 19-0179-03
Location:

Lab Order Number: 0A23004

NELAP/TCEQ # T104704516-18-9

Report Date: 01/27/20

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

Project: Select Energy Cowtown South
Project Number: 19-0179-03
Project Manager: Mark Larson

Fax: (432) 687-0456

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
2.11	0A23004-01	Soil	01/22/20 11:37	01-23-2020 09:45
2.12	0A23004-02	Soil	01/22/20 11:38	01-23-2020 09:45
2.13	0A23004-03	Soil	01/22/20 11:39	01-23-2020 09:45
2.14	0A23004-04	Soil	01/22/20 11:40	01-23-2020 09:45
2.15	0A23004-05	Soil	01/22/20 11:41	01-23-2020 09:45
2.16	0A23004-06	Soil	01/22/20 11:42	01-23-2020 09:45
8.1	0A23004-07	Soil	01/22/20 11:50	01-23-2020 09:45
8.2	0A23004-08	Soil	01/22/20 11:52	01-23-2020 09:45
8.3	0A23004-09	Soil	01/22/20 11:53	01-23-2020 09:45
8.4	0A23004-10	Soil	01/22/20 11:54	01-23-2020 09:45
8.5	0A23004-11	Soil	01/22/20 11:55	01-23-2020 09:45

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

Project: Select Energy Cowtown South
Project Number: 19-0179-03
Project Manager: Mark Larson

Fax: (432) 687-0456

2.11

0A23004-01 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00104	mg/kg dry	1	P0A2303	01/23/20	01/23/20	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P0A2303	01/23/20	01/23/20	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P0A2303	01/23/20	01/23/20	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P0A2303	01/23/20	01/23/20	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P0A2303	01/23/20	01/23/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*108 %*	*75-125*		*P0A2303*	*01/23/20*	*01/23/20*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*99.0 %*	*75-125*		*P0A2303*	*01/23/20*	*01/23/20*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**2350**	5.21	mg/kg dry	5	P0A2306	01/23/20	01/24/20	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P0A2401	01/24/20	01/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.0	mg/kg dry	1	P0A2305	01/23/20	01/23/20	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P0A2305	01/23/20	01/23/20	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P0A2305	01/23/20	01/23/20	TPH 8015M	
Surrogate: 1-Chlorooctane		*112 %*	*70-130*		*P0A2305*	*01/23/20*	*01/23/20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*127 %*	*70-130*		*P0A2305*	*01/23/20*	*01/23/20*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	01/23/20	01/23/20	calc	

Larson & Associates, Inc.	Project: Select Energy Cowtown South	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 19-0179-03	
Midland TX, 79710	Project Manager: Mark Larson	

2.12

0A23004-02 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00105	mg/kg dry	1	P0A2303	01/23/20	01/23/20	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P0A2303	01/23/20	01/23/20	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P0A2303	01/23/20	01/23/20	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P0A2303	01/23/20	01/23/20	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P0A2303	01/23/20	01/23/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*108 %*	*75-125*		*P0A2303*	*01/23/20*	*01/23/20*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*99.1 %*	*75-125*		*P0A2303*	*01/23/20*	*01/23/20*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**2590**	5.26	mg/kg dry	5	P0A2306	01/23/20	01/24/20	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P0A2401	01/24/20	01/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.3	mg/kg dry	1	P0A2305	01/23/20	01/23/20	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P0A2305	01/23/20	01/23/20	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P0A2305	01/23/20	01/23/20	TPH 8015M	
Surrogate: 1-Chlorooctane		*104 %*	*70-130*		*P0A2305*	*01/23/20*	*01/23/20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*118 %*	*70-130*		*P0A2305*	*01/23/20*	*01/23/20*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	01/23/20	01/23/20	calc	

Larson & Associates, Inc.	Project: Select Energy Cowtown South	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 19-0179-03	
Midland TX, 79710	Project Manager: Mark Larson	

2.13

0A23004-03 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00106	mg/kg dry	1	P0A2303	01/23/20	01/23/20	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	P0A2303	01/23/20	01/23/20	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P0A2303	01/23/20	01/23/20	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	P0A2303	01/23/20	01/23/20	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	P0A2303	01/23/20	01/23/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*111 %*	*75-125*		*P0A2303*	*01/23/20*	*01/23/20*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*98.7 %*	*75-125*		*P0A2303*	*01/23/20*	*01/23/20*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**5310**	10.6	mg/kg dry	10	P0A2306	01/23/20	01/24/20	EPA 300.0	
% Moisture	**6.0**	0.1	%	1	P0A2401	01/24/20	01/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.6	mg/kg dry	1	P0A2305	01/23/20	01/23/20	TPH 8015M	
>C12-C28	ND	26.6	mg/kg dry	1	P0A2305	01/23/20	01/23/20	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	P0A2305	01/23/20	01/23/20	TPH 8015M	
Surrogate: 1-Chlorooctane		*99.3 %*	*70-130*		*P0A2305*	*01/23/20*	*01/23/20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*112 %*	*70-130*		*P0A2305*	*01/23/20*	*01/23/20*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	01/23/20	01/23/20	calc	

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

Project: Select Energy Cowtown South
Project Number: 19-0179-03
Project Manager: Mark Larson

Fax: (432) 687-0456

2.14

0A23004-04 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00105	mg/kg dry	1	P0A2303	01/23/20	01/23/20	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P0A2303	01/23/20	01/23/20	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P0A2303	01/23/20	01/23/20	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P0A2303	01/23/20	01/23/20	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P0A2303	01/23/20	01/23/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*99.5 %*	*75-125*		*P0A2303*	*01/23/20*	*01/23/20*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*109 %*	*75-125*		*P0A2303*	*01/23/20*	*01/23/20*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**2400**	5.26	mg/kg dry	5	P0A2306	01/23/20	01/24/20	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P0A2401	01/24/20	01/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.3	mg/kg dry	1	P0A2305	01/23/20	01/23/20	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P0A2305	01/23/20	01/23/20	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P0A2305	01/23/20	01/23/20	TPH 8015M	
Surrogate: 1-Chlorooctane		*102 %*	*70-130*		*P0A2305*	*01/23/20*	*01/23/20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*118 %*	*70-130*		*P0A2305*	*01/23/20*	*01/23/20*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	01/23/20	01/23/20	calc	

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

Project: Select Energy Cowtown South
Project Number: 19-0179-03
Project Manager: Mark Larson

Fax: (432) 687-0456

2.15

0A23004-05 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00105	mg/kg dry	1	P0A2303	01/23/20	01/23/20	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P0A2303	01/23/20	01/23/20	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P0A2303	01/23/20	01/23/20	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P0A2303	01/23/20	01/23/20	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P0A2303	01/23/20	01/23/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*98.8 %*	*75-125*		*P0A2303*	*01/23/20*	*01/23/20*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*107 %*	*75-125*		*P0A2303*	*01/23/20*	*01/23/20*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**3060**	5.26	mg/kg dry	5	P0A2306	01/23/20	01/24/20	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P0A2401	01/24/20	01/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.3	mg/kg dry	1	P0A2305	01/23/20	01/23/20	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P0A2305	01/23/20	01/23/20	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P0A2305	01/23/20	01/23/20	TPH 8015M	
Surrogate: 1-Chlorooctane		*107 %*	*70-130*		*P0A2305*	*01/23/20*	*01/23/20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*123 %*	*70-130*		*P0A2305*	*01/23/20*	*01/23/20*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	01/23/20	01/23/20	calc	

Larson & Associates, Inc.	Project: Select Energy Cowtown South	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 19-0179-03	
Midland TX, 79710	Project Manager: Mark Larson	

2.16

0A23004-06 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00104	mg/kg dry	1	P0A2303	01/23/20	01/23/20	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P0A2303	01/23/20	01/23/20	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P0A2303	01/23/20	01/23/20	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P0A2303	01/23/20	01/23/20	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P0A2303	01/23/20	01/23/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*100 %*	*75-125*		*P0A2303*	*01/23/20*	*01/23/20*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*107 %*	*75-125*		*P0A2303*	*01/23/20*	*01/23/20*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**2110**	5.21	mg/kg dry	5	P0A2306	01/23/20	01/24/20	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P0A2401	01/24/20	01/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.0	mg/kg dry	1	P0A2305	01/23/20	01/23/20	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P0A2305	01/23/20	01/23/20	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P0A2305	01/23/20	01/23/20	TPH 8015M	
Surrogate: 1-Chlorooctane		*116 %*	*70-130*		*P0A2305*	*01/23/20*	*01/23/20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*136 %*	*70-130*		*P0A2305*	*01/23/20*	*01/23/20*	*TPH 8015M*	*S-GC*
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	01/23/20	01/23/20	calc	

Larson & Associates, Inc.	Project: Select Energy Cowtown South	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 19-0179-03	
Midland TX, 79710	Project Manager: Mark Larson	

8.1

0A23004-07 (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	P0A2303	01/23/20	01/23/20	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P0A2303	01/23/20	01/23/20	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P0A2303	01/23/20	01/23/20	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P0A2303	01/23/20	01/23/20	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P0A2303	01/23/20	01/23/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*98.7 %*	*75-125*		*P0A2303*	*01/23/20*	*01/23/20*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*105 %*	*75-125*		*P0A2303*	*01/23/20*	*01/23/20*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**34.5**	1.02	mg/kg dry	1	P0A2306	01/23/20	01/24/20	EPA 300.0	
% Moisture	**2.0**	0.1	%	1	P0A2401	01/24/20	01/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.5	mg/kg dry	1	P0A2305	01/23/20	01/23/20	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P0A2305	01/23/20	01/23/20	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P0A2305	01/23/20	01/23/20	TPH 8015M	
Surrogate: 1-Chlorooctane		*95.9 %*	*70-130*		*P0A2305*	*01/23/20*	*01/23/20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*110 %*	*70-130*		*P0A2305*	*01/23/20*	*01/23/20*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	01/23/20	01/23/20	calc	

Larson & Associates, Inc.	Project: Select Energy Cowtown South	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 19-0179-03	
Midland TX, 79710	Project Manager: Mark Larson	

8.2

0A23004-08 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00104	mg/kg dry	1	P0A2303	01/23/20	01/23/20	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P0A2303	01/23/20	01/23/20	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P0A2303	01/23/20	01/23/20	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P0A2303	01/23/20	01/23/20	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P0A2303	01/23/20	01/23/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*98.6 %*	*75-125*		*P0A2303*	*01/23/20*	*01/23/20*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*107 %*	*75-125*		*P0A2303*	*01/23/20*	*01/23/20*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**13.5**	1.04	mg/kg dry	1	P0A2306	01/23/20	01/24/20	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P0A2401	01/24/20	01/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.0	mg/kg dry	1	P0A2305	01/23/20	01/23/20	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P0A2305	01/23/20	01/23/20	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P0A2305	01/23/20	01/23/20	TPH 8015M	
Surrogate: 1-Chlorooctane		*99.7 %*	*70-130*		*P0A2305*	*01/23/20*	*01/23/20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*112 %*	*70-130*		*P0A2305*	*01/23/20*	*01/23/20*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	01/23/20	01/23/20	calc	

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Midland TX, 79710	Project Manager: Mark Larson	

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0A23004-09 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00104	mg/kg dry	1	P0A2303	01/23/20	01/23/20	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P0A2303	01/23/20	01/23/20	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P0A2303	01/23/20	01/23/20	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P0A2303	01/23/20	01/23/20	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P0A2303	01/23/20	01/23/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*104 %*	*75-125*		*P0A2303*	*01/23/20*	*01/23/20*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*98.8 %*	*75-125*		*P0A2303*	*01/23/20*	*01/23/20*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**14.2**	1.04	mg/kg dry	1	P0A2306	01/23/20	01/24/20	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P0A2401	01/24/20	01/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.0	mg/kg dry	1	P0A2305	01/23/20	01/23/20	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P0A2305	01/23/20	01/23/20	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P0A2305	01/23/20	01/23/20	TPH 8015M	
Surrogate: 1-Chlorooctane		*114 %*	*70-130*		*P0A2305*	*01/23/20*	*01/23/20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*131 %*	*70-130*		*P0A2305*	*01/23/20*	*01/23/20*	*TPH 8015M*	*S-GC*
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	01/23/20	01/23/20	calc	

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Midland TX, 79710	Project Manager: Mark Larson	

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0A23004-10 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00102	mg/kg dry	1	P0A2303	01/23/20	01/23/20	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P0A2303	01/23/20	01/23/20	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P0A2303	01/23/20	01/23/20	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P0A2303	01/23/20	01/23/20	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P0A2303	01/23/20	01/23/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*105 %*	*75-125*		*P0A2303*	*01/23/20*	*01/23/20*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*98.7 %*	*75-125*		*P0A2303*	*01/23/20*	*01/23/20*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**9.55**	1.02	mg/kg dry	1	P0A2306	01/23/20	01/24/20	EPA 300.0	
% Moisture	**2.0**	0.1	%	1	P0A2401	01/24/20	01/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.5	mg/kg dry	1	P0A2305	01/23/20	01/23/20	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P0A2305	01/23/20	01/23/20	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P0A2305	01/23/20	01/23/20	TPH 8015M	
Surrogate: 1-Chlorooctane		*111 %*	*70-130*		*P0A2305*	*01/23/20*	*01/23/20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*129 %*	*70-130*		*P0A2305*	*01/23/20*	*01/23/20*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	01/23/20	01/23/20	calc	

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0A23004-11 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00103	mg/kg dry	1	P0A2303	01/23/20	01/23/20	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P0A2303	01/23/20	01/23/20	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P0A2303	01/23/20	01/23/20	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P0A2303	01/23/20	01/23/20	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P0A2303	01/23/20	01/23/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*102 %*	*75-125*		*P0A2303*	*01/23/20*	*01/23/20*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*97.2 %*	*75-125*		*P0A2303*	*01/23/20*	*01/23/20*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**17.6**	1.03	mg/kg dry	1	P0A2306	01/23/20	01/24/20	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P0A2401	01/24/20	01/24/20	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P0A2305	01/23/20	01/23/20	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P0A2305	01/23/20	01/23/20	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P0A2305	01/23/20	01/23/20	TPH 8015M	
Surrogate: 1-Chlorooctane		*104 %*	*70-130*		*P0A2305*	*01/23/20*	*01/23/20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*118 %*	*70-130*		*P0A2305*	*01/23/20*	*01/23/20*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	01/23/20	01/23/20	calc	

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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
Batch P0A2303 - General Preparation (GC)										
Blank (P0A2303-BLK1)				Prepared & Analyzed: 01/23/20						
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	*0.116*		"	*0.120*		*96.9*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.125*		"	*0.120*		*104*	*75-125*			
LCS (P0A2303-BS1)				Prepared & Analyzed: 01/23/20						
Benzene	0.103	0.00100	mg/kg wet	0.100		103	70-130			
Toluene	0.104	0.00100	"	0.100		104	70-130			
Ethylbenzene	0.102	0.00100	"	0.100		102	70-130			
Xylene (p/m)	0.225	0.00200	"	0.200		112	70-130			
Xylene (o)	0.113	0.00100	"	0.100		113	70-130			
Surrogate: 4-Bromofluorobenzene	*0.130*		"	*0.120*		*108*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.126*		"	*0.120*		*105*	*75-125*			
LCS Dup (P0A2303-BSD1)				Prepared & Analyzed: 01/23/20						
Benzene	0.109	0.00100	mg/kg wet	0.100		109	70-130	5.78	20	
Toluene	0.113	0.00100	"	0.100		113	70-130	8.22	20	
Ethylbenzene	0.108	0.00100	"	0.100		108	70-130	5.78	20	
Xylene (p/m)	0.223	0.00200	"	0.200		111	70-130	0.791	20	
Xylene (o)	0.106	0.00100	"	0.100		106	70-130	6.30	20	
Surrogate: 1,4-Difluorobenzene	*0.123*		"	*0.120*		*103*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.129*		"	*0.120*		*107*	*75-125*			
Calibration Blank (P0A2303-CCB1)				Prepared & Analyzed: 01/23/20						
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	*0.118*		"	*0.120*		*98.2*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.125*		"	*0.120*		*104*	*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
Batch P0A2303 - General Preparation (GC)										
Calibration Blank (P0A2303-CCB2)				Prepared & Analyzed: 01/23/20						
Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.126*		*"*	*0.120*		*105*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.115*		*"*	*0.120*		*95.9*	*75-125*			
Calibration Blank (P0A2303-CCB3)				Prepared & Analyzed: 01/23/20						
Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.123*		*"*	*0.120*		*103*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.115*		*"*	*0.120*		*95.5*	*75-125*			
Calibration Check (P0A2303-CCV1)				Prepared & Analyzed: 01/23/20						
Benzene	0.102	0.00100	mg/kg wet	0.100		102	80-120			
Toluene	0.105	0.00100	"	0.100		105	80-120			
Ethylbenzene	0.105	0.00100	"	0.100		105	80-120			
Xylene (p/m)	0.223	0.00200	"	0.200		111	80-120			
Xylene (o)	0.113	0.00100	"	0.100		113	80-120			
Surrogate: 1,4-Difluorobenzene	*0.125*		*"*	*0.120*		*104*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.124*		*"*	*0.120*		*103*	*75-125*			
Calibration Check (P0A2303-CCV2)				Prepared & Analyzed: 01/23/20						
Benzene	0.108	0.00100	mg/kg wet	0.100		108	80-120			
Toluene	0.105	0.00100	"	0.100		105	80-120			
Ethylbenzene	0.102	0.00100	"	0.100		102	80-120			
Xylene (p/m)	0.216	0.00200	"	0.200		108	80-120			
Xylene (o)	0.102	0.00100	"	0.100		102	80-120			
Surrogate: 4-Bromofluorobenzene	*0.121*		*"*	*0.120*		*101*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.122*		*"*	*0.120*		*102*	*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
Batch P0A2303 - General Preparation (GC)										
Calibration Check (P0A2303-CCV3)				Prepared & Analyzed: 01/23/20						
Benzene	0.104	0.00100	mg/kg wet	0.100		104	80-120			
Toluene	0.106	0.00100	"	0.100		106	80-120			
Ethylbenzene	0.106	0.00100	"	0.100		106	80-120			
Xylene (p/m)	0.218	0.00200	"	0.200		109	80-120			
Xylene (o)	0.114	0.00100	"	0.100		114	80-120			
Surrogate: 4-Bromofluorobenzene	*0.127*		*"*	*0.120*		*106*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.126*		*"*	*0.120*		*105*	*75-125*			
Matrix Spike (P0A2303-MS1)		**Source: 0A23004-01**		Prepared & Analyzed: 01/23/20						
Benzene	0.0895	0.00104	mg/kg dry	0.104	ND	85.9	80-120			
Toluene	0.0805	0.00104	"	0.104	ND	77.3	80-120			QM-07
Ethylbenzene	0.0927	0.00104	"	0.104	ND	89.0	80-120			
Xylene (p/m)	0.162	0.00208	"	0.208	ND	78.0	80-120			QM-07
Xylene (o)	0.0855	0.00104	"	0.104	ND	82.0	80-120			
Surrogate: 4-Bromofluorobenzene	*0.122*		*"*	*0.125*		*97.8*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.120*		*"*	*0.125*		*96.2*	*75-125*			
Matrix Spike Dup (P0A2303-MSD1)		**Source: 0A23004-01**		Prepared & Analyzed: 01/23/20						
Benzene	0.0868	0.00104	mg/kg dry	0.104	ND	83.3	80-120	3.06	20	
Toluene	0.0800	0.00104	"	0.104	ND	76.8	80-120	0.662	20	QM-07
Ethylbenzene	0.0926	0.00104	"	0.104	ND	88.9	80-120	0.0787	20	
Xylene (p/m)	0.161	0.00208	"	0.208	ND	77.3	80-120	0.915	20	QM-07
Xylene (o)	0.0798	0.00104	"	0.104	ND	76.6	80-120	6.90	20	QM-07
Surrogate: 1,4-Difluorobenzene	*0.126*		*"*	*0.125*		*100*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.125*		*"*	*0.125*		*100*	*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
Batch P0A2306 - * DEFAULT PREP *** **										
Blank (P0A2306-BLK1)				Prepared: 01/23/20 Analyzed: 01/24/20						
Chloride	ND	0.100	mg/kg wet							
LCS (P0A2306-BS1)				Prepared: 01/23/20 Analyzed: 01/24/20						
Chloride	439	1.00	mg/kg wet	400		110	80-120			
LCS Dup (P0A2306-BSD1)				Prepared: 01/23/20 Analyzed: 01/24/20						
Chloride	440	1.00	mg/kg wet	400		110	80-120	0.357	20	
Calibration Blank (P0A2306-CCB1)				Prepared: 01/23/20 Analyzed: 01/24/20						
Chloride	0.00		mg/kg wet							
Calibration Blank (P0A2306-CCB2)				Prepared: 01/23/20 Analyzed: 01/24/20						
Chloride	0.00		mg/kg wet							
Calibration Check (P0A2306-CCV1)				Prepared: 01/23/20 Analyzed: 01/24/20						
Chloride	22.4		mg/kg	20.0		112	0-200			
Calibration Check (P0A2306-CCV2)				Prepared: 01/23/20 Analyzed: 01/24/20						
Chloride	22.3		mg/kg	20.0		112	0-200			
Calibration Check (P0A2306-CCV3)				Prepared: 01/23/20 Analyzed: 01/24/20						
Chloride	21.8		mg/kg	20.0		109	0-200			
Matrix Spike (P0A2306-MS1)		**Source: 0A23004-01**		Prepared: 01/23/20 Analyzed: 01/24/20						
Chloride	2880	5.21	mg/kg dry	521	2350	103	80-120			
Matrix Spike (P0A2306-MS2)		**Source: 0A10004-01**		Prepared: 01/23/20 Analyzed: 01/24/20						
Chloride	6710	29.4	mg/kg dry	5880	1320	91.6	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
Batch P0A2306 - * DEFAULT PREP *** **										
Matrix Spike Dup (P0A2306-MSD1)	**Source: 0A23004-01**			Prepared: 01/23/20 Analyzed: 01/24/20						
Chloride	2940	5.21	mg/kg dry	521	2350	114	80-120	1.94	20	
Matrix Spike Dup (P0A2306-MSD2)	**Source: 0A10004-01**			Prepared: 01/23/20 Analyzed: 01/24/20						
Chloride	6860	29.4	mg/kg dry	5880	1320	94.1	80-120	2.23	20	
Batch P0A2401 - * DEFAULT PREP *** **										
Blank (P0A2401-BLK1)				Prepared & Analyzed: 01/24/20						
% Moisture	ND	0.1	%							
Duplicate (P0A2401-DUP1)	**Source: 0A23003-20**			Prepared & Analyzed: 01/24/20						
% Moisture	11.0	0.1	%		11.0			0.00	20	
Duplicate (P0A2401-DUP2)	**Source: 0A23004-11**			Prepared & Analyzed: 01/24/20						
% Moisture	3.0	0.1	%		3.0			0.00	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
Batch P0A2305 - TX 1005										
Blank (P0A2305-BLK1)				Prepared & Analyzed: 01/23/20						
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*110*		*"*	*100*		*110*	*70-130*			
Surrogate: o-Terphenyl	*55.3*		*"*	*50.0*		*111*	*70-130*			
LCS (P0A2305-BS1)				Prepared & Analyzed: 01/23/20						
C6-C12	872	25.0	mg/kg wet	1000		87.2	75-125			
>C12-C28	1030	25.0	"	1000		103	75-125			
Surrogate: 1-Chlorooctane	*106*		*"*	*100*		*106*	*70-130*			
Surrogate: o-Terphenyl	*50.7*		*"*	*50.0*		*101*	*70-130*			
LCS Dup (P0A2305-BSD1)				Prepared & Analyzed: 01/23/20						
C6-C12	966	25.0	mg/kg wet	1000		96.6	75-125	10.3	20	
>C12-C28	1160	25.0	"	1000		116	75-125	11.7	20	
Surrogate: 1-Chlorooctane	*120*		*"*	*100*		*120*	*70-130*			
Surrogate: o-Terphenyl	*61.0*		*"*	*50.0*		*122*	*70-130*			
Calibration Blank (P0A2305-CCB1)				Prepared & Analyzed: 01/23/20						
C6-C12	16.7		mg/kg wet							
>C12-C28	5.65		"							
Surrogate: 1-Chlorooctane	*113*		*"*	*100*		*113*	*70-130*			
Surrogate: o-Terphenyl	*58.4*		*"*	*50.0*		*117*	*70-130*			
Calibration Blank (P0A2305-CCB2)				Prepared & Analyzed: 01/23/20						
C6-C12	15.1		mg/kg wet							
>C12-C28	4.87		"							
Surrogate: 1-Chlorooctane	*115*		*"*	*100*		*115*	*70-130*			
Surrogate: o-Terphenyl	*59.8*		*"*	*50.0*		*120*	*70-130*			

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

Project: Select Energy Cowtown South
Project Number: 19-0179-03
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
Batch P0A2305 - TX 1005										
Calibration Check (P0A2305-CCV1)				Prepared & Analyzed: 01/23/20						
C6-C12	538	25.0	mg/kg wet	500		108	85-115			
>C12-C28	562	25.0	"	500		112	85-115			
Surrogate: 1-Chlorooctane	*116*		*"*	*100*		*116*	*70-130*			
Surrogate: o-Terphenyl	*57.7*		*"*	*50.0*		*115*	*70-130*			
Calibration Check (P0A2305-CCV2)				Prepared & Analyzed: 01/23/20						
C6-C12	549	25.0	mg/kg wet	500		110	85-115			
>C12-C28	536	25.0	"	500		107	85-115			
Surrogate: 1-Chlorooctane	*117*		*"*	*100*		*117*	*70-130*			
Surrogate: o-Terphenyl	*58.4*		*"*	*50.0*		*117*	*70-130*			
Calibration Check (P0A2305-CCV3)				Prepared: 01/23/20 Analyzed: 01/24/20						
C6-C12	550	25.0	mg/kg wet	500		110	85-115			
>C12-C28	560	25.0	"	500		112	85-115			
Surrogate: 1-Chlorooctane	*119*		*"*	*100*		*119*	*70-130*			
Surrogate: o-Terphenyl	*58.2*		*"*	*50.0*		*116*	*70-130*			
Matrix Spike (P0A2305-MS1)		**Source: 0A22003-24**		Prepared & Analyzed: 01/23/20						
C6-C12	894	26.0	mg/kg dry	1040	15.7	84.3	75-125			
>C12-C28	1070	26.0	"	1040	16.1	101	75-125			
Surrogate: 1-Chlorooctane	*103*		*"*	*104*		*99.0*	*70-130*			
Surrogate: o-Terphenyl	*51.4*		*"*	*52.1*		*98.7*	*70-130*			
Matrix Spike Dup (P0A2305-MSD1)		**Source: 0A22003-24**		Prepared & Analyzed: 01/23/20						
C6-C12	877	26.0	mg/kg dry	1040	15.7	82.7	75-125	1.89	20	
>C12-C28	1050	26.0	"	1040	16.1	99.7	75-125	1.20	20	
Surrogate: 1-Chlorooctane	*106*		*"*	*104*		*102*	*70-130*			
Surrogate: o-Terphenyl	*55.0*		*"*	*52.1*		*106*	*70-130*			

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

Project: Select Energy Cowtown South
Project Number: 19-0179-03
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: Brent Barron Date: 1/27/2020

Brent Barron, Laboratory Director/Technical Director

Larson & Associates, Inc.	Project: Select Energy Cowtown South	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 19-0179-03	
Midland TX, 79710	Project Manager: Mark Larson	

№ 0953

CHAIN-OF-CUSTOD

Larson & Associates, Inc.
Environmental Consultants
507 N. Marienfeld, Ste. 200
Midland, TX 79701
432-687-0901

DATE: 1/23/2020 PAGE 1 OF 1

PO#: LAB WORK ORDER#: 0A23004

PROJECT LOCATION OR NAME: Cowtown South- Select E

LAI PROJECT #: 19-0179-02 COLLECTOR: RD

Data Reported to:

TRRP report? ☐ Yes ☒ No

TIME ZONE: Time zone/State: MST

S=SOIL P=PAINT
W=WATER SL=SLUDGE
A=AIR OT=OTHER

PRESERVATION: HCl | HNO_3 | H_2SO_4 ☐ NaOH ☐ | ICE | UNPRESSERVED

ANALYSES: BTEX ☒ MTBE ☐ | TRPH 418.1 ☐ | TPH 1005 ☐ TPH 1006 ☐ | GASOLINE MOD 8015 ☒ | DIESEL - MOD 8015 ☒ | OIL - MOD 8015 ☒ | VOC 8260 ☐ | SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐ | 8081 PESTICIDES ☐ | 8082 PCBS ☐ | 8151 HERBICIDES ☐ | TBLP - METALS (RCRA) ☐ TCLP VOC ☐ | TCLP - PEST ☐ HERB ☐ Semi-VOC ☐ | TOTAL METALS (RCRA) ☐ OTHER LIST ☐ | LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐ | RCI ☐ TOX ☐ FLASHPOINT ☐ | TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐ | pH ☐ HEXAVALENT CHROMIUM ☐ | EXPLOSIVES ☐ PECHLORATE ☐ | CHLORIDES ☒ ANIONS ☐ ALKALINITY ☐

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	BTEX ☒ MTBE ☐	TRPH 418.1 ☐	TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☒	DIESEL - MOD 8015 ☒	OIL - MOD 8015 ☒	VOC 8260 ☐	SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐	8082 PCBS ☐	8151 HERBICIDES ☐	TBLP - METALS (RCRA) ☐ TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ Semi-VOC ☐	TOTAL METALS (RCRA) ☐ OTHER LIST ☐	LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐	pH ☐ HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDES ☒ ANIONS ☐ ALKALINITY ☐	FIELD NOTES
2.11	1	1/22/20	11:37	S	1				X		X		X	X	X	X														X		
2.12	2		11:38																													
2.13	3		11:39																													
2.14	4		11:40																													
2.15	5		11:41																													
2.16	6		11:42																													
8.1	7		11:50																													
8.2	8		11:52																													
8.3	9		11:53																													
8.4	10		11:54																													
8.5	11		11:55																													

TOTAL 11

RELINQUISHED BY:(Signature) DATE/TIME 1/23 9:45 RECEIVED BY: (Signature)

RELINQUISHED BY:(Signature) DATE/TIME RECEIVED BY: (Signature)

RELINQUISHED BY:(Signature) DATE/TIME 1/23 9:46 RECEIVED BY: (Signature)

LABORATORY: PBEL

TURN AROUND TIME
NORMAL ☐
1 DAY ☐
2 DAY ☒ Rush!
OTHER ☐
CHI Lz

LABORATORY USE ONLY:
RECEIVING TEMP: 20-30 THERM#:
CUSTODY SEALS - ☐ BROKEN ☒ INTACT ☐ NOT USED
☐ CARRIER BILL #
☒ HAND DELIVERED

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

PBELAB

Analytical Report

Prepared for:

Mark Larson

Larson & Associates, Inc.

P.O. Box 50685

Midland, TX 79710

Project: Cowtown South-Select Energy

Project Number: 19-0179-03

Location: NM

Lab Order Number: 0C09002

NELAP ACCREDITED TNI LABORATORY

NELAP/TCEQ # T104704516-17-8

Report Date: 03/13/20

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

Project: Cowtown South-Select Energy
Project Number: 19-0179-03
Project Manager: Mark Larson

Fax: (432) 687-0456

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BF Sand 1	0C09002-01	Soil	03/06/20 12:20	03-09-2020 09:33
BF Sand 2	0C09002-02	Soil	03/06/20 12:21	03-09-2020 09:33
BF Sand 3	0C09002-03	Soil	03/06/20 12:22	03-09-2020 09:33
BF Sand 4	0C09002-04	Soil	03/06/20 12:23	03-09-2020 09:33
BF Sand 5	0C09002-05	Soil	03/06/20 12:24	03-09-2020 09:33
BF Sand 6	0C09002-06	Soil	03/06/20 12:25	03-09-2020 09:33
BF Sand 7	0C09002-07	Soil	03/06/20 12:26	03-09-2020 09:33
BF Sand 8	0C09002-08	Soil	03/06/20 12:27	03-09-2020 09:33
BF Sand 9	0C09002-09	Soil	03/06/20 12:28	03-09-2020 09:33

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

Project: Cowtown South-Select Energy
Project Number: 19-0179-03
Project Manager: Mark Larson

Fax: (432) 687-0456

BF Sand 1

0C09002-01 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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		*95.0 %*	*75-125*		*P0C0907*	*03/09/20*	*03/09/20*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**4.01**	1.06	mg/kg dry	1	P0C0905	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		*58.9 %*	*70-130*		*P0C0909*	*03/09/20*	*03/10/20*	*TPH 8015M*	*S-GC1*
Surrogate: o-Terphenyl		*67.1 %*	*70-130*		*P0C0909*	*03/09/20*	*03/10/20*	*TPH 8015M*	*S-GC1*
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	03/09/20	03/10/20	calc	

Larson & Associates, Inc.	Project: Cowtown South-Select Energy	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 19-0179-03	
Midland TX, 79710	Project Manager: Mark Larson	

BF Sand 2

0C09002-02 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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: 1,4-Difluorobenzene		*96.0 %*	*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	**3.02**	1.02	mg/kg dry	1	P0C0905	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	03/09/20	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P0C0909	03/09/20	03/09/20	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P0C0909	03/09/20	03/09/20	TPH 8015M	
Surrogate: 1-Chlorooctane		*81.3 %*	*70-130*		*P0C0909*	*03/09/20*	*03/09/20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*91.9 %*	*70-130*		*P0C0909*	*03/09/20*	*03/09/20*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	03/09/20	03/09/20	calc	

Larson & Associates, Inc.	Project: Cowtown South-Select Energy	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 19-0179-03	
Midland TX, 79710	Project Manager: Mark Larson	

BF Sand 3

0C09002-03 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00103	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Xylene (o)	ND	0.00103	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		*95.3 %*	*75-125*		*P0C0907*	*03/09/20*	*03/09/20*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**6.47**	1.03	mg/kg dry	1	P0C0905	03/09/20	03/09/20	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	P0C0909	03/09/20	03/11/20	TPH 8015M	
>C12-C28	**25.8**	25.8	mg/kg dry	1	P0C0909	03/09/20	03/11/20	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P0C0909	03/09/20	03/11/20	TPH 8015M	
Surrogate: 1-Chlorooctane		*69.8 %*	*70-130*		*P0C0909*	*03/09/20*	*03/11/20*	*TPH 8015M*	*S-GC*
Surrogate: o-Terphenyl		*80.2 %*	*70-130*		*P0C0909*	*03/09/20*	*03/11/20*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	03/09/20	03/11/20	calc	

Larson & Associates, Inc.	Project: Cowtown South-Select Energy	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 19-0179-03	
Midland TX, 79710	Project Manager: Mark Larson	

BF Sand 4

0C09002-04 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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		*101 %*	*75-125*		*P0C0907*	*03/09/20*	*03/09/20*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*95.4 %*	*75-125*		*P0C0907*	*03/09/20*	*03/09/20*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**14.8**	1.06	mg/kg dry	1	P0C0905	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		*78.0 %*	*70-130*		*P0C0909*	*03/09/20*	*03/09/20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*88.1 %*	*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	

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

Project: Cowtown South-Select Energy
Project Number: 19-0179-03
Project Manager: Mark Larson

Fax: (432) 687-0456

BF Sand 5

0C09002-05 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00103	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*93.7 %*	*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	**5.99**	1.03	mg/kg dry	1	P0C0905	03/09/20	03/09/20	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	P0C0909	03/09/20	03/09/20	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P0C0909	03/09/20	03/09/20	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P0C0909	03/09/20	03/09/20	TPH 8015M	
Surrogate: 1-Chlorooctane		*84.1 %*	*70-130*		*P0C0909*	*03/09/20*	*03/09/20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*94.5 %*	*70-130*		*P0C0909*	*03/09/20*	*03/09/20*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	03/09/20	03/09/20	calc	

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P.O. Box 50685	Project Number: 19-0179-03	
Midland TX, 79710	Project Manager: Mark Larson	

BF Sand 6

0C09002-06 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00103	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Xylene (o)	ND	0.00103	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		*103 %*	*75-125*		*P0C0907*	*03/09/20*	*03/09/20*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**4.82**	1.03	mg/kg dry	1	P0C0905	03/09/20	03/09/20	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	P0C0909	03/09/20	03/09/20	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P0C0909	03/09/20	03/09/20	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P0C0909	03/09/20	03/09/20	TPH 8015M	
Surrogate: 1-Chlorooctane		*100 %*	*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	25.8	mg/kg dry	1	[CALC]	03/09/20	03/09/20	calc	

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Project Number: 19-0179-03
Project Manager: Mark Larson

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BF Sand 7

0C09002-07 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00103	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*94.1 %*	*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	**5.28**	1.03	mg/kg dry	1	P0C0905	03/09/20	03/09/20	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	P0C0909	03/09/20	03/09/20	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P0C0909	03/09/20	03/09/20	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P0C0909	03/09/20	03/09/20	TPH 8015M	
Surrogate: 1-Chlorooctane		*87.2 %*	*70-130*		*P0C0909*	*03/09/20*	*03/09/20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*96.5 %*	*70-130*		*P0C0909*	*03/09/20*	*03/09/20*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	03/09/20	03/09/20	calc	

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Midland TX, 79710	Project Manager: Mark Larson	

BF Sand 8

0C09002-08 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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: 1,4-Difluorobenzene		*95.0 %*	*75-125*		*P0C0907*	*03/09/20*	*03/09/20*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*103 %*	*75-125*		*P0C0907*	*03/09/20*	*03/09/20*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**3.56**	1.06	mg/kg dry	1	P0C0905	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		*121 %*	*70-130*		*P0C0909*	*03/09/20*	*03/09/20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*133 %*	*70-130*		*P0C0909*	*03/09/20*	*03/09/20*	*TPH 8015M*	*S-GC*
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	03/09/20	03/09/20	calc	

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Midland TX, 79710	Project Manager: Mark Larson	

BF Sand 9

0C09002-09 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00103	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P0C0907	03/09/20	03/09/20	EPA 8021B	
Xylene (o)	ND	0.00103	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		*94.5 %*	*75-125*		*P0C0907*	*03/09/20*	*03/09/20*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**6.22**	1.03	mg/kg dry	1	P0C0905	03/09/20	03/09/20	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	P0C0909	03/09/20	03/09/20	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P0C0909	03/09/20	03/09/20	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P0C0909	03/09/20	03/09/20	TPH 8015M	
Surrogate: 1-Chlorooctane		*105 %*	*70-130*		*P0C0909*	*03/09/20*	*03/09/20*	*TPH 8015M*	
Surrogate: o-Terphenyl		*116 %*	*70-130*		*P0C0909*	*03/09/20*	*03/09/20*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	03/09/20	03/09/20	calc	

Larson & Associates, Inc.
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Midland TX, 79710

Project: Cowtown South-Select Energy
Project Number: 19-0179-03
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
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: 1,4-Difluorobenzene	*0.110*		*"*	*0.120*		*91.4*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.117*		*"*	*0.120*		*97.1*	*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: 1,4-Difluorobenzene	*0.115*		*"*	*0.120*		*95.8*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.116*		*"*	*0.120*		*96.7*	*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: 1,4-Difluorobenzene	*0.110*		*"*	*0.120*		*91.7*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.115*		*"*	*0.120*		*95.9*	*75-125*			

Larson & Associates, Inc.
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Midland TX, 79710

Project: Cowtown South-Select Energy
Project Number: 19-0179-03
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
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: 4-Bromofluorobenzene	*0.121*		*"*	*0.120*		*101*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.113*		*"*	*0.120*		*94.3*	*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: 1,4-Difluorobenzene	*0.114*		*"*	*0.120*		*95.3*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.113*		*"*	*0.120*		*94.5*	*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*			

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P.O. Box 50685	Project Number: 19-0179-03	
Midland TX, 79710	Project Manager: Mark Larson	

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
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: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*96.8*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.123*		*"*	*0.120*		*102*	*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: 1,4-Difluorobenzene	*0.123*		*"*	*0.128*		*96.6*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.128*		*"*	*0.128*		*100*	*75-125*			

Larson & Associates, Inc.
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Midland TX, 79710

Project: Cowtown South-Select Energy
Project Number: 19-0179-03
Project Manager: Mark Larson

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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 P0C0905 - * DEFAULT PREP *** **										
LCS (P0C0905-BS1)				Prepared & Analyzed: 03/09/20						
Chloride	416	1.00	mg/kg wet	400		104	80-120			
Matrix Spike (P0C0905-MS1)		**Source: 0C06002-02**		Prepared & Analyzed: 03/09/20						
Chloride	3320	5.68	mg/kg dry	2270	962	104	80-120			
Matrix Spike (P0C0905-MS2)		**Source: 0C09004-03**		Prepared & Analyzed: 03/09/20						
Chloride	2970	5.49	mg/kg dry	2200	599	108	80-120			
Matrix Spike Dup (P0C0905-MSD1)		**Source: 0C06002-02**		Prepared & Analyzed: 03/09/20						
Chloride	3140	5.68	mg/kg dry	2270	962	95.8	80-120	5.71	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: Cowtown South-Select Energy
Project Number: 19-0179-03
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
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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Midland TX, 79710

Project: Cowtown South-Select Energy
Project Number: 19-0179-03
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
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*			

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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.
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: Brent Barron Date: 3/13/2020

Brent Barron, Laboratory Director/Technical Director

Larson & Associates, Inc.	Project: Cowtown South-Select Energy	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 19-0179-03	
Midland TX, 79710	Project Manager: Mark Larson	

Nº 0989

CHAIN-OF-CUSTOD

Larson & Associates, Inc.
Environmental Consultants
507 N. Marienfeld, Ste. 200
Midland, TX 79701
432-687-0901

DATE: 3/9/2020 PAGE 1 OF 1

PO#: _____ LAB WORK ORDER#: 0C09002

PROJECT LOCATION OR NAME: Cowtown South

LAI PROJECT #: 19-0179-03 COLLECTOR: RD

Data Reported to:

TRRP report? ☐ Yes ☒ No

TIME ZONE: Time zone/State: MST

S=SOIL W=WATER A=AIR P=PAINT SL=SLUDGE OT=OTHER

PRESERVATION: HCl | HNO_3 | H_2SO_4 ☐ NaOH ☐ | ICE | UNPRESSERVED

ANALYSES: BTEX ☒ MTBE ☐ | TRPH 418.1 ☐ | TPH 1005 ☐ TPH 1006 ☐ | GASOLINE MOD 8015 ☒ | DIESEL - MOD 8015 ☒ | OIL - MOD 8015 ☒ | VOC 8260 ☐ | SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐ | 8081 PESTICIDES ☐ 8151 HERBICIDES ☐ | 8082 PCBS ☐ | TBLP - METALS (RCRA) ☐ TCLP VOC ☐ | TCLP - PEST ☐ HERB ☐ Semi-VOC ☐ | TOTAL METALS (RCRA) ☐ OTHER LIST ☐ | LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐ | RCI ☐ TOX ☐ FLASHPOINT ☐ | TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐ | pH ☐ HEXAVALENT CHROMIUM ☐ | EXPLOSIVES ☐ PECHLORATE ☐ | CHLORIDE ☒ ANIONS ☐ ALKALINITY ☐

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	BTEX ☒	TRPH 418.1 ☐	GASOLINE MOD 8015 ☒	DIESEL - MOD 8015 ☒	CHLORIDE ☒	FIELD NOTES
BF sand 1	1	3/6/20	12:20	S	1				X		X	X	X	X	X	
BF sand 2	2		12:21													
BF sand 3	3		12:22													
BF sand 4	4		12:23													
BF sand 5	5		12:24													
BF sand 6	6		12:25													
BF sand 7	7		12:26													
BF sand 8	8		12:27													
BF sand 9	9		12:28													

TOTAL 9

RELINQUISHED BY:(Signature) Rachel Owen DATE/TIME 3/9/2020 933 RECEIVED BY: (Signature)

RELINQUISHED BY:(Signature) DATE/TIME RECEIVED BY: (Signature)

RELINQUISHED BY:(Signature) DATE/TIME RECEIVED BY: (Signature)

LABORATORY: PBEL 3-9-20 933

TURN AROUND TIME
NORMAL ☐
1 DAY ☒ RUSH Cl-
2 DAY ☒ RUSH TPH/BTEX
OTHER ☐

LABORATORY USE ONLY:
RECEIVING TEMP: 3.7+1.0 2.7 THERM#: _____
CUSTODY SEALS - ☐ BROKEN ☒ INTACT ☐ NOT USED
☐ CARRIER BILL # _____
☒ HAND DELIVERED

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

PBELAB

Analytical Report

Prepared for:

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

Project: Select Energy Cowtown South
Project Number: 19-0179-03
Location:

Lab Order Number: 9J14006

NELAP/TCEQ # T104704516-18-9

Report Date: 10/25/19

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

Project: Select Energy Cowtown South
Project Number: 19-0179-03
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')	9J14006-01	Soil	10/11/19 09:51	10-13-2019 14:30
HA-1 (1')	9J14006-02	Soil	10/11/19 09:53	10-13-2019 14:30
HA-2 (0.5')	9J14006-03	Soil	10/11/19 09:54	10-13-2019 14:30
HA-2 (1')	9J14006-04	Soil	10/11/19 09:55	10-13-2019 14:30
HA-3 (0.5')	9J14006-05	Soil	10/11/19 09:57	10-13-2019 14:30
HA-3 (1')	9J14006-06	Soil	10/11/19 10:00	10-13-2019 14:30
HA-4 (0.5')	9J14006-07	Soil	10/11/19 10:02	10-13-2019 14:30
HA-4 (1')	9J14006-08	Soil	10/11/19 10:03	10-13-2019 14:30
HA-5 (0.5')	9J14006-09	Soil	10/11/19 10:07	10-13-2019 14:30
HA-5 (1')	9J14006-10	Soil	10/11/19 10:10	10-13-2019 14:30
HA-6 (0.5')	9J14006-11	Soil	10/11/19 10:21	10-13-2019 14:30
HA-6 (1')	9J14006-12	Soil	10/11/19 10:23	10-13-2019 14:30
HA-7 (0.5')	9J14006-13	Soil	10/11/19 10:27	10-13-2019 14:30
HA-7 (1')	9J14006-14	Soil	10/11/19 10:29	10-13-2019 14:30
HA-8 (0.5')	9J14006-15	Soil	10/11/19 10:33	10-13-2019 14:30
HA-8 (1')	9J14006-16	Soil	10/11/19 10:36	10-13-2019 14:30
HA-9 (0.5')	9J14006-17	Soil	10/11/19 10:40	10-13-2019 14:30
HA-9 (1')	9J14006-18	Soil	10/11/19 10:43	10-13-2019 14:30

Larson & Associates, Inc.
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Midland TX, 79710

Project: Select Energy Cowtown South
Project Number: 19-0179-03
Project Manager: Mark Larson

Fax: (432) 687-0456

HA-1 (0.5')

9J14006-01 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00105	mg/kg dry	1	P9J1802	10/18/19	10/18/19	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P9J1802	10/18/19	10/18/19	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P9J1802	10/18/19	10/18/19	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P9J1802	10/18/19	10/18/19	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P9J1802	10/18/19	10/18/19	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*101 %*	*75-125*		*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*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**4.37**	1.05	mg/kg dry	1	P9J1811	10/18/19	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	P9J1717	10/17/19	10/18/19	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P9J1717	10/17/19	10/18/19	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P9J1717	10/17/19	10/18/19	TPH 8015M	
Surrogate: 1-Chlorooctane		*94.3 %*	*70-130*		*P9J1717*	*10/17/19*	*10/18/19*	*TPH 8015M*	
Surrogate: o-Terphenyl		*127 %*	*70-130*		*P9J1717*	*10/17/19*	*10/18/19*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	10/17/19	10/18/19	calc	

Larson & Associates, Inc.	Project: Select Energy Cowtown South	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 19-0179-03	
Midland TX, 79710	Project Manager: Mark Larson	

HA-1 (1')

9J14006-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**80.0**	1.03	mg/kg dry	1	P9J1811	10/18/19	10/20/19	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P9J1602	10/16/19	10/16/19	ASTM D2216	

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Midland TX, 79710	Project Manager: Mark Larson	

HA-2 (0.5')

9J14006-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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		*96.8 %*	*75-125*		*P9J1802*	*10/18/19*	*10/18/19*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*94.8 %*	*75-125*		*P9J1802*	*10/18/19*	*10/18/19*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**671**	1.08	mg/kg dry	1	P9J1811	10/18/19	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		*97.9 %*	*70-130*		*P9J1717*	*10/17/19*	*10/18/19*	*TPH 8015M*	
Surrogate: o-Terphenyl		*128 %*	*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	

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P.O. Box 50685	Project Number: 19-0179-03	
Midland TX, 79710	Project Manager: Mark Larson	

HA-2 (1')

9J14006-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**240**	1.08	mg/kg dry	1	P9J1811	10/18/19	10/20/19	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	P9J1602	10/16/19	10/16/19	ASTM D2216	

Larson & Associates, Inc.
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Midland TX, 79710

Project: Select Energy Cowtown South
Project Number: 19-0179-03
Project Manager: Mark Larson

Fax: (432) 687-0456

HA-3 (0.5')

9J14006-05 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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: 4-Bromofluorobenzene		*84.9 %*	*75-125*		*P9J1802*	*10/18/19*	*10/18/19*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*102 %*	*75-125*		*P9J1802*	*10/18/19*	*10/18/19*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**7210**	27.5	mg/kg dry	25	P9J1811	10/18/19	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		*96.5 %*	*70-130*		*P9J1717*	*10/17/19*	*10/18/19*	*TPH 8015M*	
Surrogate: o-Terphenyl		*128 %*	*70-130*		*P9J1717*	*10/17/19*	*10/18/19*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	27.5	mg/kg dry	1	[CALC]	10/17/19	10/18/19	calc	

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P.O. Box 50685	Project Number: 19-0179-03	
Midland TX, 79710	Project Manager: Mark Larson	

HA-3 (1')

9J14006-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**7560**	26.9	mg/kg dry	25	P9J1811	10/18/19	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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P.O. Box 50685	Project Number: 19-0179-03	
Midland TX, 79710	Project Manager: Mark Larson	

HA-4 (0.5')

9J14006-07 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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		*98.5 %*	*75-125*		*P9J1802*	*10/18/19*	*10/18/19*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*111 %*	*75-125*		*P9J1802*	*10/18/19*	*10/18/19*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**7680**	26.6	mg/kg dry	25	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		*94.3 %*	*70-130*		*P9J1717*	*10/17/19*	*10/18/19*	*TPH 8015M*	
Surrogate: o-Terphenyl		*125 %*	*70-130*		*P9J1717*	*10/17/19*	*10/18/19*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	10/17/19	10/18/19	calc	

Larson & Associates, Inc.	Project: Select Energy Cowtown South	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 19-0179-03	
Midland TX, 79710	Project Manager: Mark Larson	

HA-4 (1')

9J14006-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**8070**	26.6	mg/kg dry	25	P9J1811	10/18/19	10/20/19	EPA 300.0	
% Moisture	**69.0**	0.1	%	1	P9J1602	10/16/19	10/16/19	ASTM D2216	

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Midland TX, 79710	Project Manager: Mark Larson	

HA-5 (0.5')

9J14006-09 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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		*99.3 %*	*75-125*		*P9J1802*	*10/18/19*	*10/18/19*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*97.8 %*	*75-125*		*P9J1802*	*10/18/19*	*10/18/19*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**7080**	26.9	mg/kg dry	25	P9J1811	10/18/19	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		*130 %*	*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	

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HA-5 (1')

9J14006-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**6650**	26.0	mg/kg dry	25	P9J1811	10/18/19	10/20/19	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P9J1602	10/16/19	10/16/19	ASTM D2216	

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HA-6 (0.5')

9J14006-11 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Organics by GC									
Benzene	ND	0.00105	mg/kg dry	1	P9J1802	10/18/19	10/18/19	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P9J1802	10/18/19	10/18/19	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P9J1802	10/18/19	10/18/19	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P9J1802	10/18/19	10/18/19	EPA 8021B	
Xylene (o)	ND	0.00105	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		*84.2 %*	*75-125*		*P9J1802*	*10/18/19*	*10/18/19*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**8.45**	1.05	mg/kg dry	1	P9J1811	10/18/19	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	P9J1717	10/17/19	10/18/19	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P9J1717	10/17/19	10/18/19	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P9J1717	10/17/19	10/18/19	TPH 8015M	
Surrogate: 1-Chlorooctane		*89.2 %*	*70-130*		*P9J1717*	*10/17/19*	*10/18/19*	*TPH 8015M*	
Surrogate: o-Terphenyl		*119 %*	*70-130*		*P9J1717*	*10/17/19*	*10/18/19*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	10/17/19	10/18/19	calc	

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HA-6 (1')

9J14006-12 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**6.66**	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	

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HA-7 (0.5')

9J14006-13 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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: 4-Bromofluorobenzene		*80.2 %*	*75-125*		*P9J1802*	*10/18/19*	*10/18/19*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*92.3 %*	*75-125*		*P9J1802*	*10/18/19*	*10/18/19*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**33.8**	1.04	mg/kg dry	1	P9J1811	10/18/19	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		*113 %*	*70-130*		*P9J1717*	*10/17/19*	*10/18/19*	*TPH 8015M*	
Surrogate: o-Terphenyl		*148 %*	*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	

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HA-7 (1')

9J14006-14 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**13.1**	1.04	mg/kg dry	1	P9J1811	10/18/19	10/20/19	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P9J1602	10/16/19	10/16/19	ASTM D2216	

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HA-8 (0.5')

9J14006-15 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
Organics by GC									
Benzene	ND	0.00105	mg/kg dry	1	P9J1802	10/18/19	10/18/19	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P9J1802	10/18/19	10/18/19	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P9J1802	10/18/19	10/18/19	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P9J1802	10/18/19	10/18/19	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P9J1802	10/18/19	10/18/19	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*93.7 %*	*75-125*		*P9J1802*	*10/18/19*	*10/18/19*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*109 %*	*75-125*		*P9J1802*	*10/18/19*	*10/18/19*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**5070**	26.3	mg/kg dry	25	P9J1811	10/18/19	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	P9J1717	10/17/19	10/18/19	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P9J1717	10/17/19	10/18/19	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P9J1717	10/17/19	10/18/19	TPH 8015M	
Surrogate: 1-Chlorooctane		*107 %*	*70-130*		*P9J1717*	*10/17/19*	*10/18/19*	*TPH 8015M*	
Surrogate: o-Terphenyl		*138 %*	*70-130*		*P9J1717*	*10/17/19*	*10/18/19*	*TPH 8015M*	*S-GC*
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	10/17/19	10/18/19	calc	

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HA-8 (1')

9J14006-16 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**25.3**	1.03	mg/kg dry	1	P9J1811	10/18/19	10/20/19	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P9J1602	10/16/19	10/16/19	ASTM D2216	

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HA-9 (0.5')

9J14006-17 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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		*111 %*	*75-125*		*P9J1802*	*10/18/19*	*10/18/19*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*103 %*	*75-125*		*P9J1802*	*10/18/19*	*10/18/19*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**47.5**	1.08	mg/kg dry	1	P9J1811	10/18/19	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		*104 %*	*70-130*		*P9J1717*	*10/17/19*	*10/18/19*	*TPH 8015M*	
Surrogate: o-Terphenyl		*134 %*	*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	

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HA-9 (1')

9J14006-18 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**23.2**	1.09	mg/kg dry	1	P9J1811	10/18/19	10/20/19	EPA 300.0	
% Moisture	**8.0**	0.1	%	1	P9J1602	10/16/19	10/16/19	ASTM D2216	

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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
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: 4-Bromofluorobenzene	*0.132*		*"*	*0.120*		*110*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.127*		*"*	*0.120*		*106*	*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: 1,4-Difluorobenzene	*0.127*		*"*	*0.120*		*105*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.130*		*"*	*0.120*		*108*	*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: 1,4-Difluorobenzene	*0.128*		*"*	*0.120*		*107*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.100*		*"*	*0.120*		*83.6*	*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
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: 1,4-Difluorobenzene	*0.116*		*"*	*0.120*		*97.0*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.109*		*"*	*0.120*		*91.1*	*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: 4-Bromofluorobenzene	*0.110*		*"*	*0.120*		*91.6*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.114*		*"*	*0.120*		*94.6*	*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: 4-Bromofluorobenzene	*0.123*		*"*	*0.120*		*102*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.125*		*"*	*0.120*		*104*	*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*			

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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
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: 4-Bromofluorobenzene	*0.137*		*"*	*0.120*		*114*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.125*		*"*	*0.120*		*104*	*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: 1,4-Difluorobenzene	*0.174*		*"*	*0.158*		*110*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.176*		*"*	*0.158*		*111*	*75-125*			

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

Project: Select Energy Cowtown South
Project Number: 19-0179-03
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
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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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 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

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Project: Select Energy Cowtown South
Project Number: 19-0179-03
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
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*			

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

Project: Select Energy Cowtown South
Project Number: 19-0179-03
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
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*			

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

Project: Select Energy Cowtown South
Project Number: 19-0179-03
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: Brent Barron Date: 10/25/2019

Brent Barron, Laboratory Director/Technical Director

Larson & Associates, Inc.	Project: Select Energy Cowtown South	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 19-0179-03	
Midland TX, 79710	Project Manager: Mark Larson	

№ 0746

CHAIN-OF-CUSTOD

Larson & Associates, Inc.
Environmental Consultants
507 N. Marienfeld, Ste. 200
Midland, TX 79701
432-687-0901

DATE: 10/13/2019 PAGE 1 OF 2

PO#: LAB WORK ORDER#: 9J14006

PROJECT LOCATION OR NAME: Select Energy Centaur

LAI PROJECT #: 19-0179-03 COLLECTOR: RN/EC

Data Reported to:

TRRP report? ☐ Yes ☒ No

TIME ZONE: Time zone/State: MST

S=SOIL P=PAINT
W=WATER SL=SLUDGE
A=AIR OT=OTHER

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	ANALYSES: BTEX ☒ MTBE ☐	TRPH 418.1 ☐	TPH 1005 ☐	TPH 1006 ☐	GASOLINE MOD 8015 ☐	DIESEL - MOD 8015 ☐	OIL - MOD 8015 ☐	VOC 8260 ☐	SVOC 8270 ☐	PAH 8270 ☐	HOLDPAH ☐	8081 PESTICIDES ☐	8151 HERBICIDES ☐	8082 PCBS ☐	TBLP - METALS (RCRA) ☐	TCLP VOC ☐	TCLP - PEST ☐	HERB ☐	Semi-VOC ☐	TOTAL METALS (RCRA) ☐	OTHER LIST ☐	LEAD - TOTAL ☐	D.W. 200.8 ☐	TCLP ☐	RCI ☐	TOX ☐	FLASHPOINT ☐	TDS ☐	TSS ☐	% MOISTURE ☐	pH ☐	CYANIDE ☐	HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐	PECHLORATE ☐	CHLORIDES ☐	ANIONS ☐	ALKALINITY ☐	FIELD NOTES
HA-1 (0.5')	1	10/11/19	9:51	S	1				X		X		X	X	X																																
HA-1 (1')	2		9:53																																												
HA-2 (0.5')	3		9:54								X		X	X	X																																
HA-2 (1')	4		9:55																																											
HA-3 (0.5')	5		9:57								X		X	X	X																																
HA-3 (1')	6		10:00																																											
HA-4 (0.5')	7		10:02								X		X	X	X																																
HA-4 (1')	8		10:03																																											
HA-5 (0.5')	9		10:07								X		X	X	X																																
HA-5 (1')	10		10:10																																											
HA-6 (0.5')	11		10:21								X		X	X	X																																
HA-6 (1')	12		10:23																																											
HA-7 (0.5')	13		10:27								X		X	X	X																																
HA-7 (1')	14		10:29																																											
HA-8 (0.5')	15		10:33								X		X	X	X																																

TOTAL 15

RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)
	10/13/19 14:30	Teresa Bledsoe
RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)
RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)

LABORATORY: PBE

TURN AROUND TIME
NORMAL ☒
1 DAY ☐
2 DAY ☐
OTHER ☐

LABORATORY USE ONLY:
RECEIVING TEMP: 1.9-2.9 CF+1 THERM#: L2
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL #
☐ HAND DELIVERED

- Nº 0747

CHAIN-OF-CUSTOD

Larson & 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#: 9J14006

PROJECT LOCATION OR NAME: Select Energy, Loutaun South

LAI PROJECT #: 19-0179-03 COLLECTOR: BN/BC

Data Reported to:

TRRP report? ☐ Yes ☒ No

TIME ZONE: Time zone/State: MST

S=SOIL W=WATER A=AIR P=PAINT SL=SLUDGE OT=OTHER

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	ANALYSES: BTEX ☒ MTBE ☐	TRPH 418.1 ☐	TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☐	DIESEL - MOD 8015 ☒	OIL - MOD 8015 ☐	VOC 8260 ☐	SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐ 8151 HERBICIDES ☐	8082 PCBS ☐	TBLP - METALS (RCRA) ☐ TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ Semi-VOC ☐	TOTAL METALS (RCRA) ☐ OTHER LIST ☐	LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐	pH ☐ HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDES ☒ ANIONS ☐ ALKALINITY ☐	M3oa	FIELD NOTES
HA-8 (1')	16	10/11/19	10:36	S	1				X																							
HA-9 (0.5')	17		10:40								X		X	X	X															X		
HA-9 (1')	18		10:43																													
TOTAL																																

RELINQUISHED BY:(Signature) Carlos DATE/TIME 10/13/19 14:30 RECEIVED BY: (Signature) Alma Bledsoe

RELINQUISHED BY:(Signature) DATE/TIME RECEIVED BY: (Signature)

RELINQUISHED BY:(Signature) DATE/TIME RECEIVED BY: (Signature)

LABORATORY: PBE

TURN AROUND TIME
NORMAL ☒
1 DAY ☐
2 DAY ☐
OTHER ☐

LABORATORY USE ONLY:
RECEIVING TEMP: 1.9-2.9 THERM#: CF#12
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL # _____
☐ HAND DELIVERED

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

PBELAB

Analytical Report

Prepared for:

Mark Larson

Larson & Associates, Inc.

P.O. Box 50685

Midland, TX 79710

Project: Cowtown South-Select Energy

Project Number: 19-0179-03

Location:

Lab Order Number: 9K05018

NELAP ACCREDITED TNI LABORATORY

NELAP/TCEQ # T104704516-17-8

Report Date: 11/15/19

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

Project: Cowtown South-Select Energy
Project Number: 19-0179-03
Project Manager: Mark Larson

Fax: (432) 687-0456

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
HA-1 (5')	9K05018-01	Soil	11/04/19 11:33	11-05-2019 10:35
HA-2 (8')	9K05018-02	Soil	11/04/19 11:43	11-05-2019 10:35
HA-3 (5')	9K05018-03	Soil	11/04/19 11:57	11-05-2019 10:35
HA-4 (5')	9K05018-04	Soil	11/04/19 12:33	11-05-2019 10:35
HA-4 (8')	9K05018-05	Soil	11/04/19 12:37	11-05-2019 10:35
HA-5 (5')	9K05018-06	Soil	11/04/19 12:54	11-05-2019 10:35
HA-5 (10')	9K05018-07	Soil	11/04/19 13:04	11-05-2019 10:35
HA-5 (15')	9K05018-08	Soil	11/04/19 13:18	11-05-2019 10:35
HA-8 (5')	9K05018-09	Soil	11/04/19 13:33	11-05-2019 10:35
HA-8 (10')	9K05018-10	Soil	11/04/19 13:37	11-05-2019 10:35
HA-8 (15')	9K05018-11	Soil	11/04/19 13:52	11-05-2019 10:35

Larson & Associates, Inc.	Project: Cowtown South-Select Energy	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 19-0179-03	
Midland TX, 79710	Project Manager: Mark Larson	

HA-1 (5')

9K05018-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**104**	1.10	mg/kg dry	1	P9K1204	11/12/19	11/13/19	EPA 300.0	
% Moisture	**9.0**	0.1	%	1	P9K0601	11/06/19	11/06/19	ASTM D2216	

Larson & Associates, Inc.	Project: Cowtown South-Select Energy	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 19-0179-03	
Midland TX, 79710	Project Manager: Mark Larson	

HA-2 (8')

9K05018-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**6.07**	1.04	mg/kg dry	1	P9K1204	11/12/19	11/13/19	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P9K0601	11/06/19	11/06/19	ASTM D2216	

Larson & Associates, Inc.	Project: Cowtown South-Select Energy	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 19-0179-03	
Midland TX, 79710	Project Manager: Mark Larson	

HA-3 (5')

9K05018-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**7080**	26.3	mg/kg dry	25	P9K1204	11/12/19	11/13/19	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P9K0601	11/06/19	11/06/19	ASTM D2216	

Larson & Associates, Inc.	Project: Cowtown South-Select Energy	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 19-0179-03	
Midland TX, 79710	Project Manager: Mark Larson	

HA-4 (5')

9K05018-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**13800**	55.6	mg/kg dry	50	P9K1204	11/12/19	11/13/19	EPA 300.0	
% Moisture	**10.0**	0.1	%	1	P9K0601	11/06/19	11/06/19	ASTM D2216	

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

Project: Cowtown South-Select Energy
Project Number: 19-0179-03
Project Manager: Mark Larson

Fax: (432) 687-0456

HA-4 (8')

9K05018-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**7000**	26.6	mg/kg dry	25	P9K1204	11/12/19	11/13/19	EPA 300.0	
% Moisture	**6.0**	0.1	%	1	P9K0601	11/06/19	11/06/19	ASTM D2216	

Larson & Associates, Inc.	Project: Cowtown South-Select Energy	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 19-0179-03	
Midland TX, 79710	Project Manager: Mark Larson	

HA-5 (5')

9K05018-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**7560**	26.6	mg/kg dry	25	P9K1204	11/12/19	11/13/19	EPA 300.0	
% Moisture	**6.0**	0.1	%	1	P9K0601	11/06/19	11/06/19	ASTM D2216	

Larson & Associates, Inc.	Project: Cowtown South-Select Energy	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 19-0179-03	
Midland TX, 79710	Project Manager: Mark Larson	

HA-5 (10')

9K05018-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**6830**	27.2	mg/kg dry	25	P9K1204	11/12/19	11/13/19	EPA 300.0	
% Moisture	**8.0**	0.1	%	1	P9K0601	11/06/19	11/06/19	ASTM D2216	

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HA-5 (15')

9K05018-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**38.0**	1.08	mg/kg dry	1	P9K1204	11/12/19	11/13/19	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	P9K0601	11/06/19	11/06/19	ASTM D2216	

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Midland TX, 79710	Project Manager: Mark Larson	

HA-8 (5')

9K05018-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**15.2**	1.04	mg/kg dry	1	P9K1204	11/12/19	11/13/19	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P9K0601	11/06/19	11/06/19	ASTM D2216	

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Midland TX, 79710	Project Manager: Mark Larson	

HA-8 (10')

9K05018-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**11.3**	1.08	mg/kg dry	1	P9K1204	11/12/19	11/13/19	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	P9K0601	11/06/19	11/06/19	ASTM D2216	

Larson & Associates, Inc.	Project: Cowtown South-Select Energy	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 19-0179-03	
Midland TX, 79710	Project Manager: Mark Larson	

HA-8 (15')

9K05018-11 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**3.97**	1.04	mg/kg dry	1	P9K1204	11/12/19	11/13/19	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P9K0601	11/06/19	11/06/19	ASTM D2216	

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

Project: Cowtown South-Select Energy
Project Number: 19-0179-03
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
Batch P9K0601 - * DEFAULT PREP *** **										
Blank (P9K0601-BLK1)				Prepared & Analyzed: 11/06/19						
% Moisture	ND	0.1	%							
Duplicate (P9K0601-DUP1)		**Source: 9K05010-09**		Prepared & Analyzed: 11/06/19						
% Moisture	8.0	0.1	%		8.0			0.00	20	
Duplicate (P9K0601-DUP2)		**Source: 9K05018-02**		Prepared & Analyzed: 11/06/19						
% Moisture	4.0	0.1	%		4.0			0.00	20	
Duplicate (P9K0601-DUP3)		**Source: 9K05023-06**		Prepared & Analyzed: 11/06/19						
% Moisture	4.0	0.1	%		4.0			0.00	20	
Batch P9K1204 - * DEFAULT PREP *** **										
Blank (P9K1204-BLK1)				Prepared: 11/12/19 Analyzed: 11/13/19						
Chloride	ND	0.100	mg/kg wet							
LCS (P9K1204-BS1)				Prepared: 11/12/19 Analyzed: 11/13/19						
Chloride	420	1.00	mg/kg wet	400		105	80-120			
LCS Dup (P9K1204-BSD1)				Prepared: 11/12/19 Analyzed: 11/13/19						
Chloride	422	1.00	mg/kg wet	400		105	80-120	0.504	20	
Calibration Blank (P9K1204-CCB1)				Prepared: 11/12/19 Analyzed: 11/13/19						
Chloride	-0.0430		mg/kg wet							
Calibration Blank (P9K1204-CCB2)				Prepared: 11/12/19 Analyzed: 11/13/19						
Chloride	0.00		mg/kg wet							

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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
Batch P9K1204 - * DEFAULT PREP *** **										
Calibration Check (P9K1204-CCV1)				Prepared: 11/12/19 Analyzed: 11/13/19						
Chloride	20.0		mg/kg	20.0		99.8	0-200			
Calibration Check (P9K1204-CCV2)				Prepared: 11/12/19 Analyzed: 11/13/19						
Chloride	19.9		mg/kg	20.0		99.5	0-200			
Calibration Check (P9K1204-CCV3)				Prepared: 11/12/19 Analyzed: 11/13/19						
Chloride	20.4		mg/kg	20.0		102	0-200			
Matrix Spike (P9K1204-MS1)		**Source: 9K04002-07**		Prepared: 11/12/19 Analyzed: 11/13/19						
Chloride	5560	10.4	mg/kg dry	1040	4700	82.8	80-120			
Matrix Spike (P9K1204-MS2)		**Source: 9K05018-03**		Prepared: 11/12/19 Analyzed: 11/13/19						
Chloride	9830	26.3	mg/kg dry	2630	7080	105	80-120			
Matrix Spike Dup (P9K1204-MSD1)		**Source: 9K04002-07**		Prepared: 11/12/19 Analyzed: 11/13/19						
Chloride	5520	10.4	mg/kg dry	1040	4700	79.4	80-120	0.636	20	
Matrix Spike Dup (P9K1204-MSD2)		**Source: 9K05018-03**		Prepared: 11/12/19 Analyzed: 11/13/19						
Chloride	9770	26.3	mg/kg dry	2630	7080	102	80-120	0.631	20	

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P.O. Box 50685	Project Number: 19-0179-03	
Midland TX, 79710	Project Manager: Mark Larson	

Notes and Definitions

ROI	Received on Ice
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: Brent Barron Date: 11/15/2019

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.

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№ 0757

CHAIN-OF-CUSTODY

Larson & Associates, Inc.
Environmental Consultants
507 N. Marienfeld, Ste. 200
Midland, TX 79701
432-687-0901

Data Reported to:

DATE: 11/05/2019 PAGE 1 OF 1

PO#: _____ LAB WORK ORDER#: 9K05018

PROJECT LOCATION OR NAME: Cowtown South - Select Energy

LAI PROJECT #: 19-0179-03 COLLECTOR: RN/EC

TRRP report? ☐ Yes ☒ No

TIME ZONE: Time zone/State: MST

S=SOIL P=PAINT
W=WATER SL=SLUDGE
A=AIR OT=OTHER

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	ANALYSES: BTEX ☐ MTBE ☐	TRPH 418.1 ☐	TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☐	DIESEL - MOD 8015 ☐	OIL - MOD 8015 ☐	VOC 8260 ☐	SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐ 8151 HERBICIDES ☐	8082 PCBS ☐	TBLP - METALS (RCRA) ☐ TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ Semi-VOC ☐	TOTAL METALS (RCRA) ☐ OTHER LIST ☐	LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐	pH ☐ HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDE ☒ ANIONS ☐ ALKALINITY ☐	M376a	FIELD NOTES
HA-1 (5')	1	11/4/19	11:33	S	1				X																							
HA-2 (8')	2		11:43																													
HA-3 (5')	3		11:57																													
HA-4 (5')	4		12:33																													
HA-4 (8')	5		12:37																													
HA-5 (5')	6		12:51																													
HA-5 (10')	7		13:04																													
HA-5 (15')	8		13:18																													
HA-8 (5')	9		13:33																													
HA-8 (10')	10		13:37																													
HA-8 (15')	11	⊥	13:52	⊥	⊥				⊥																					X		

TOTAL 11

RELINQUISHED BY:(Signature) DATE/TIME 11/5 10:35 RECEIVED BY: (Signature)

RELINQUISHED BY:(Signature) DATE/TIME RECEIVED BY: (Signature)

RELINQUISHED BY:(Signature) DATE/TIME RECEIVED BY: (Signature)

LABORATORY: PBEL

TURN AROUND TIME
NORMAL ☒
1 DAY ☐
2 DAY ☐
OTHER ☐

LABORATORY USE ONLY:
RECEIVING TEMP: -5.3-4.3 THERM#: OF1 CC
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL # _____
☐ HAND DELIVERED

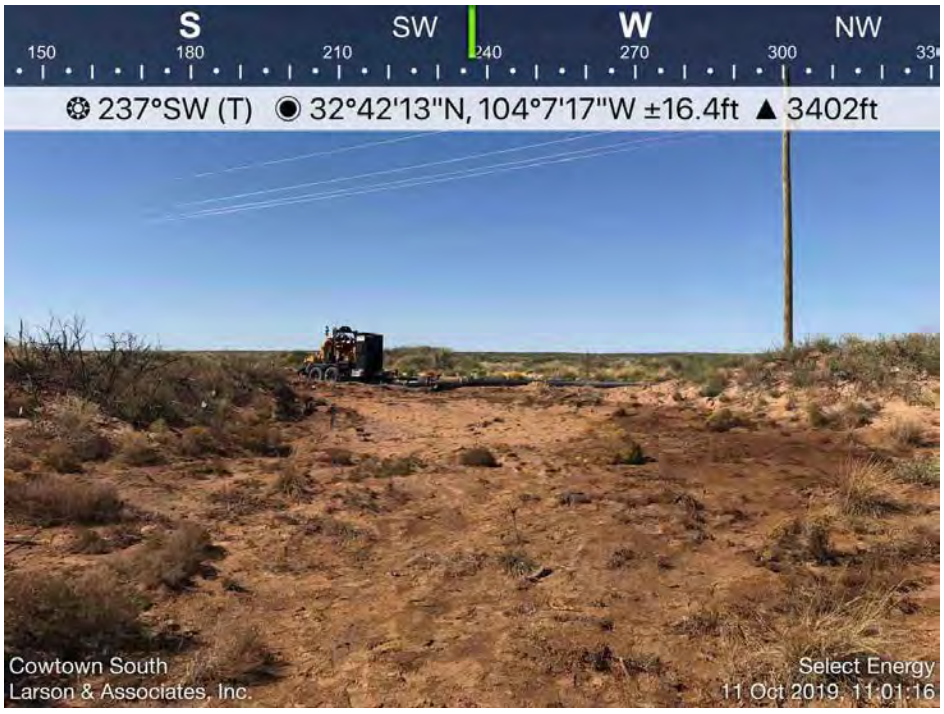
Appendix C

Photographs

Spill area viewing northeast

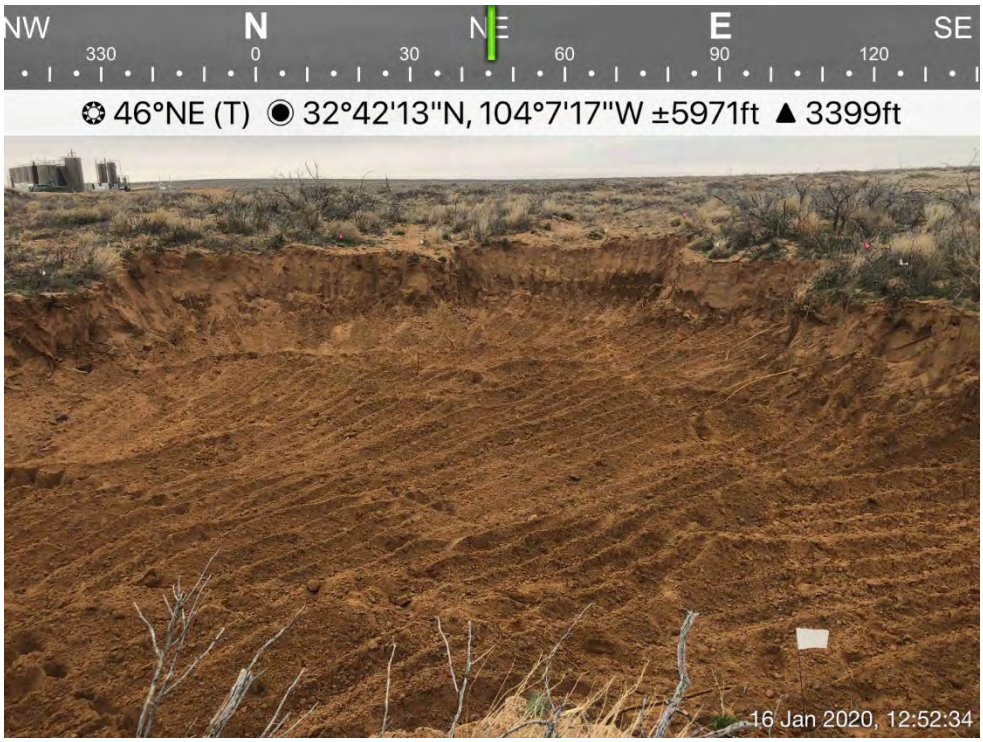
Spill area viewing south

Spill area viewing west

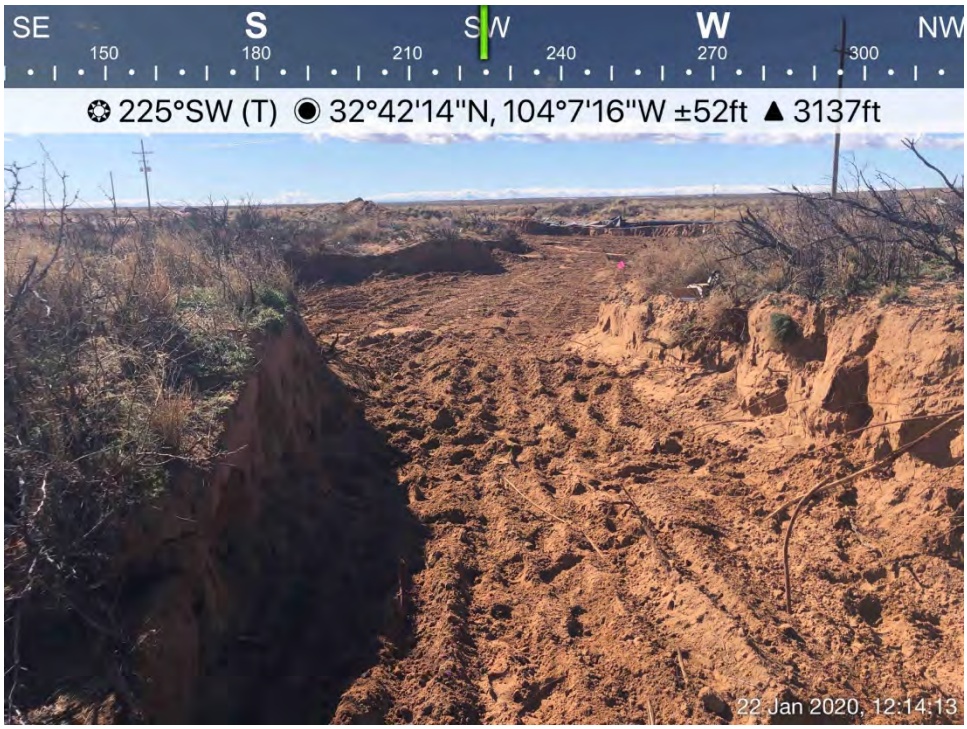


Spill area viewing southwest

Excavated soil from HA-2 through HA-5 viewing west



Excavated soil from HA-2 through HA-5 viewing northeast

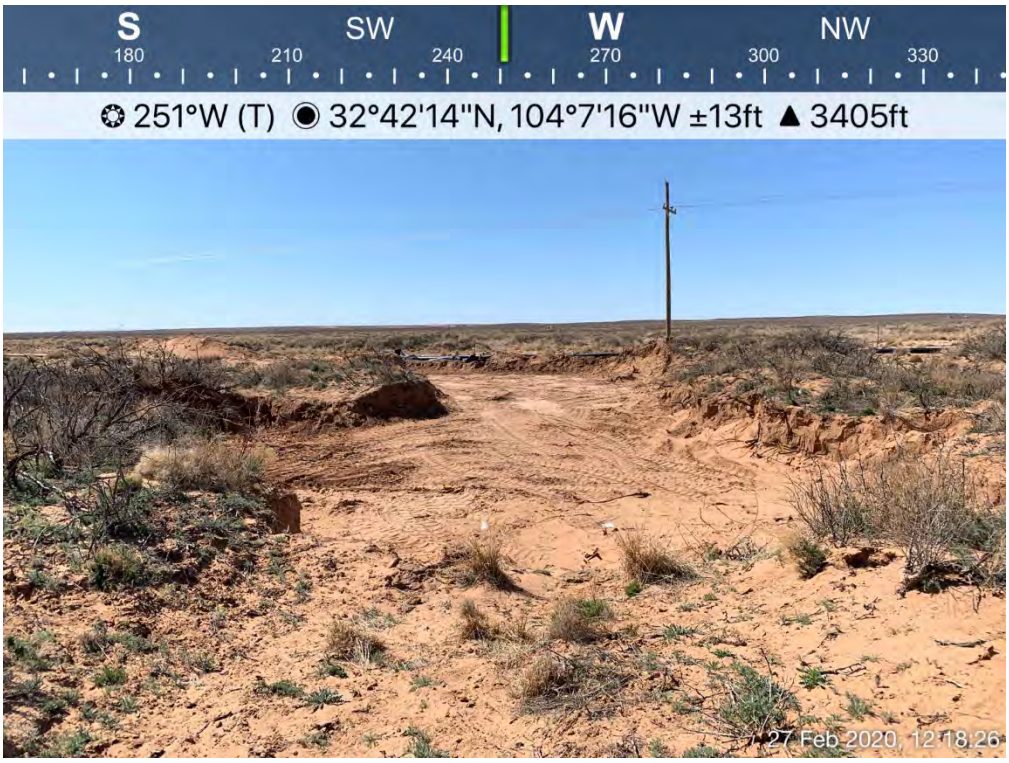


Excavated soil from HA-8 viewing southwest

Excavated soil from 2.3 through 2.7, 2.9, and 2.11 through 2.16 viewing northeast

Closure Report
Select Energy - Cowtown South
May 8, 2020

Excavated soil from 2.3 through 2.7, 2.9, 2.11 through 2.16, and 4.2 viewing west



Excavated soil from 4.2 viewing west – southwest

Backfilled and seeded area viewing north

Backfilled and seeded area viewing south

Closure Report
Select Energy - Cowtown South
May 8, 2020

Backfilled and seeded area viewing west