Form C-141
Page 3

State of New Mexico
Oil Conservation Division

Incident ID	nRM2009062305
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?	25.25 (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.

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State of New Mexico
Oil Conservation Division

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

Printed Name: Amy Barnhill Title: Lead Environmental Specialist

Signature: Amy Barnhill Date: 3-1-21

email: ABarnhill@chevron.com Telephone: 432-687-7108

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	nRM2009062305
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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: Amy Barnhill Title: Lead Environmental Specialist

Signature: Amy Barnhill Date: 3-1-21

email: ABarnhill@chevron.com Telephone: 432-687-7108

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	nRM2009062305
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: Amy Barnhill Title: Lead Environmental Specialist

Signature: Amy Barnhill Date: 3-1-21

email: ABarnhill@chevron.com Telephone: 432-687-7108

OCD Only

Received by: Cristina Eads Date: 04/04/2021

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

Closure Approved by: Cristina Eads Date: 06/28/2021

Printed Name: Environmental Specialist Title: Environmental Specialist

Tracking ID: nRM2009062305
Closure Report
Gravitas 2 State SWD #002
Produced Water Release
Eddy County, New Mexico

Latitude: N 32.066144°
Longitude: W -104.164853°

LAI Project No. 20-0107-10

February 11, 2021

Prepared for:
Chevron USA Inc.
6301 Deauville Blvd.
Midland, Texas 79706

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
Sr. Geoscientist

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1.0 INTRODUCTION

Larson & Associates, Inc. (LAI), has prepared this closure report on behalf of Chevron USA Inc. (Chevron) for submittal to the New Mexico Oil Conservation Division (OCD) District II for a produced water release at the Gravitas 2 State SWD #002 (Site) located in Unit N (SE/4, SW/4), Section 2, Township 26 South, Range 27 East in Eddy County New Mexico. The geodetic position is North 32.066144° and West -104.164853°. Figure 1 presents a topographic map. Figure 2 presents an aerial map.

1.1 Background

The release was discovered on March 1, 2020, due to a hole on inlet piping resulting from corrosion. Chevron reported that approximately 8.53 barrels (bbls) of produced water was released within the secondary containment (lined berm) and approximately 8.5 bbls were recovered. Inspection of the lined containment did not reveal any defects. The affected area measures approximately 18,551 square feet and the release was confined within the lined containment. The initial C-141 was assigned an incident number of nRM2009062305. Appendix A presents initial Chevron spill documentation.

1.2 Physical Setting

The physical setting is as follows:

- The surface elevation is approximately 3,222 feet above mean sea level (msl).
- The surface topography gradually decreases to the southeast.
- There are no surface water features within 1,000 feet of the Site;
- Karst Data provided by the USGS describes the site as “High Risk” potential.
- The soils are designated as “Reeves-Reagan loams, 0 to 3 percent slopes”, consisting of 0 to 8 inches of loam, underlain by 8 to 32 inches of clay loam, and 32 to 60 inches of gypsiferous material (gypsum).
- The geology consists of the Rustler Formation (Upper Permian) consisting of siltstone, gypsum, sandstone, and dolomite deposits (USGS).
- Groundwater occurs at approximately 25.25 feet below ground surface (bgs) based on depth to groundwater measurements 72 hours after drilling a soil boring (BH-1).

  Appendix B presents data depicting the karst risk potential. Appendix C presents the boring log (BH-1). Figure 4 presents an aerial map showing the boring hole location.

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 100 mg/Kg
- Chloride 600 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 April 3 and May 13, 2020, LAI personnel used a stainless-steel hand auger to collect initial soil samples from nine (9) locations (SP-1 through SP-9) outside the lined containment. The initial soil samples were collected to approximately 0.5 feet below ground surface (bgs) and were delivered under chain of custody and preservation to Xenco Laboratories (Xenco) in Midland, Texas. The laboratory analyzed the samples for benzene, toluene, ethylbenzene and xylenes (BTEX) and total petroleum hydrocarbons (TPH), including gasoline range organics (C6-C12), diesel range organics (>C12-C28) and oil range organics (>C28-C35), and chloride by EPA SW-846 Methods 8021B and 8015M, and M300, respectively. Benzene, BTEX, and TPH reported below the remediation action levels of 10 milligrams per kilogram (mg/Kg) 50 mg/Kg, and 100 mg/Kg, respectively, in all samples. Chloride exceeded the surface restoration limit (19.15.29.13 NMAC) of 600 mg/Kg in samples S-1, 0 to 0.5 feet (7,050 mg/Kg).

On April 28 and 29, 2020, LAI personnel used direct push technology (DPT) to further delineate the release. Soil samples were collected at 1, 3, and 5 feet bgs. The samples were delivered under chain of custody and preservation to Xenco which analyzed the samples for BTEX, TPH, and chloride by EPA SW-846 Methods 8021B and 8015M, and M300, respectively. Chloride was delineated below the remediation limit 600 mg/Kg at all sample locations. Table 1 presents the soil sample analytical data summary. Figure 2 presents an aerial map showing the sample locations. Appendix D presents the laboratory reports.

3.0 REMEDIATION

On December 30, 2020, Rocky Peak Construction, Inc. (Rocky Peak), under supervision from LAI, used a hydrovac excavator to expose nearby underground utility lines around the proposed excavation. Soil removed by the Hydrovac was placed in a lined earthen berm containment. On December 31, 2020, Rocky Peak began hand dug the excavation measuring approximately 396 square feet to a depth of approximately one (1) foot bgs. Approximately twenty (20) cubic yards of impacted material was removed and placed in the lined containment.

On January 4, 2021, LAI personnel collected three (3) bottom (C-1 through C-3) and two (2) sidewall (N&W and S&E) confirmation soil samples from the excavation. Laboratory analysis indicated one (1) sidewall samples (N&W) above the OCD closure criteria for chloride (600 mg/Kg) at 1,200 mg/Kg. On January 12, 2021, Rocky Peak excavated an additional one (1) foot from the sidewall (N+W). LAI personnel collected another composite sample (N+W) following removal of additional soil. The final in-situ chloride concentration was 160 mg/Kg. All impacted material and plastic was disposed at the R360 Red Bluff facility approximately 12.83 miles northwest of Orla, Texas.

LAI personnel collected one (1) composite sample of clean caliche from a nearby State of New Mexico borrow pit. Benzene, BTEX, and TPH were below the analytical method reporting limit and chloride was

less than 600 mg/Kg. On January 28, 2021, the excavation was backfilled to ground surface with clean caliche, Table 2 presents the confirmation soil analytical data summary. Figure 3 presents an aerial map showing the excavation and confirmation sample locations. Figure 3a presents a focused aerial map showing the excavation and confirmation sample locations. Appendix D presents the laboratory reports. Appendix E presents the waste manifests. Appendix F presents photographs.

4.0 CLOSURE REQUEST

Chevron USA requests no further action for nRM2009062305.

Tables

Table 1
Soil Sample Analytical Data Summary
Gravitas SWD
Eddy County, New Mexico
North 32.065689, West -104.165072

Sample	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)
Remediation Level:				**10**	**50**				**100**	**600**
S-1	0 - 0.5	4/3/2020	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	**7,050**
	1	4/29/2020	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<5.05
	3	4/29/2020	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	5.27
	5	4/29/2020	In-Situ	--	--	<50.0	<50.0	<50.0	<50.0	8.46
S-2	0 - 0.5	4/3/2020	In-Situ	<0.00198	<0.00198	<49.9	<49.9	<49.9	<49.9	55.6
	1	4/28/2020	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	109
	3	4/28/2020	In-Situ	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	82.4
	5	4/28/2020	In-Situ	--	--	<49.9	<49.9	<49.9	<49.9	34.7
S-3	0 - 0.5	4/3/2020	In-Situ	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	43.3
	1	4/28/2020	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	23.9
	3	4/28/2020	In-Situ	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	45.8
	5	4/28/2020	In-Situ	--	--	<49.9	<49.9	<49.9	<49.9	135
S-4	0 - 0.5	4/3/2020	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	9.03
	1	4/29/2020	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	162
	3	4/29/2020	In-Situ	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	372
	5	4/29/2020	In-Situ	--	--	<49.9	<49.9	<49.9	<49.9	22.8
S-5	0 - 0.5	4/3/2020	In-Situ	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	12.1
	1	4/29/2020	In-Situ	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	119
	3	4/29/2020	In-Situ	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	27.1
	5	4/29/2020	In-Situ	--	--	<50.0	<50.0	<50.0	<50.0	7.59

Table 1
Soil Sample Analytical Data Summary
Gravitas SWD
Eddy County, New Mexico
North 32.065689, West -104.165072

Sample	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)
Remediation Level:				**10**	**50**				**100**	**600**
S-6	0 - 0.5	4/3/2020	In-Situ	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	146
	1	4/29/2020	In-Situ	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	248
	3	4/29/2020	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	103
	5	4/29/2020	In-Situ	--	--	<49.9	<49.9	<49.9	<49.9	52.1
S-7	0 - 0.5	4/3/2020	In-Situ	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	30.3
	1	4/29/2020	In-Situ	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	77.1
	3	4/29/2020	In-Situ	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	61.7
	5	4/29/2020	In-Situ	--	--	<49.9	<49.9	<49.9	<49.9	11.9
S-8	0 - 0.5	4/3/2020	In-Situ	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	92.6
	1	4/29/2020	In-Situ	<0.00198	<0.00198	<49.8	<49.8	<49.8	<49.8	75.4
	3	4/29/2020	In-Situ	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	27.8
	5	4/29/2020	In-Situ	--	--	<50.0	59.5	<50.0	59.5	<4.99
S-9	0 - 0.5	5/13/2020	In-Situ	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	537
	0.5 - 1	5/13/2020	In-Situ	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	364

Notes: Analysis performed by Xenco Laboratories
Depth in feet below ground surface (bgs)
mg/Kg: milligrams per kilogram equivalent to parts per million (ppm)
<: denotes concentration less than analytical method reporting limit
Bold and Highlighted exceeds OCD remediation action limits

Table 2
Confirmation Soil Sample Analytical Data Summary
Chevron USA, Gravitas SWD
Eddy County, New Mexico
North 32.065689 West -104.165072

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**	**600**
N+W	Sidewall	0 - 1	1/4/2021	Excavated	<0.00199	<0.00199	<49.8	<49.8	<49.8	<49.8	**1,200**
			1/12/2021	In-Situ	<0.00199	<0.00199	<50.2	<50.2	<50.2	<50.2	160
S+E	Sidewall	0 - 1	1/4/2021	In-Situ	<0.00202	<0.00202	<50.1	<50.1	<50.1	<50.1	<9.96
C-1	Bottom	1	1/4/2021	In-Situ	<0.00201	<0.00201	<50.1	<50.1	<50.1	<50.1	<10.1
C-2	Bottom	1	1/4/2021	In-Situ	<0.00202	<0.00202	<50.1	<50.1	<50.1	<50.1	<10.1
C-3	Bottom	1	1/4/2021	In-Situ	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	17.5
Backfill Caliche 1	--	--	1/4/2021	In-Situ	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	15.7

Notes: analysis performed by Xenco Laboratories (Xenco), Midland, Texas and Carlsbad, New Mexico 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)

Bold and Highlighted Denotes Conetrations Above OCD Closure Criteria

Figures

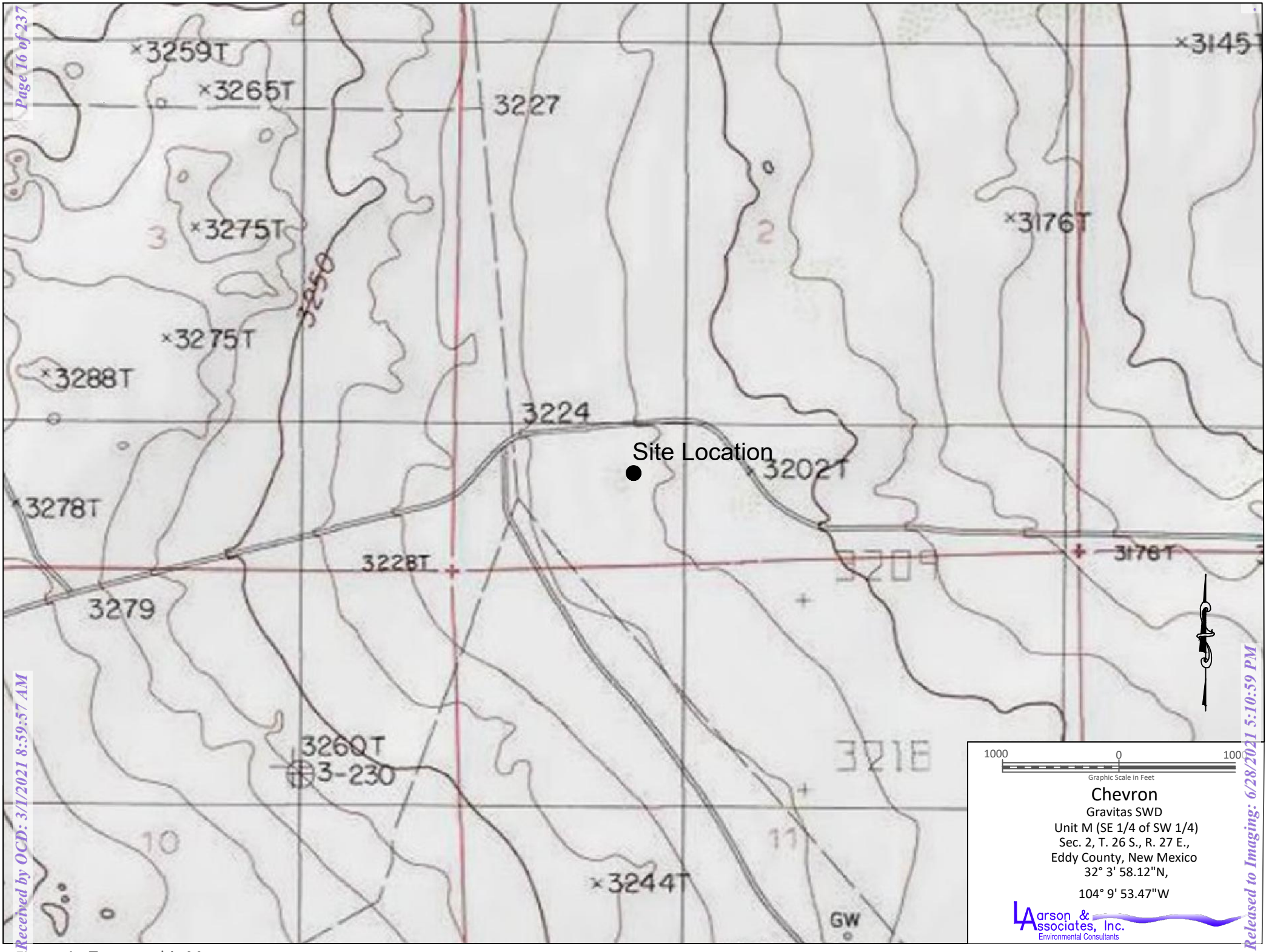

Figure 1 - Topographic Map

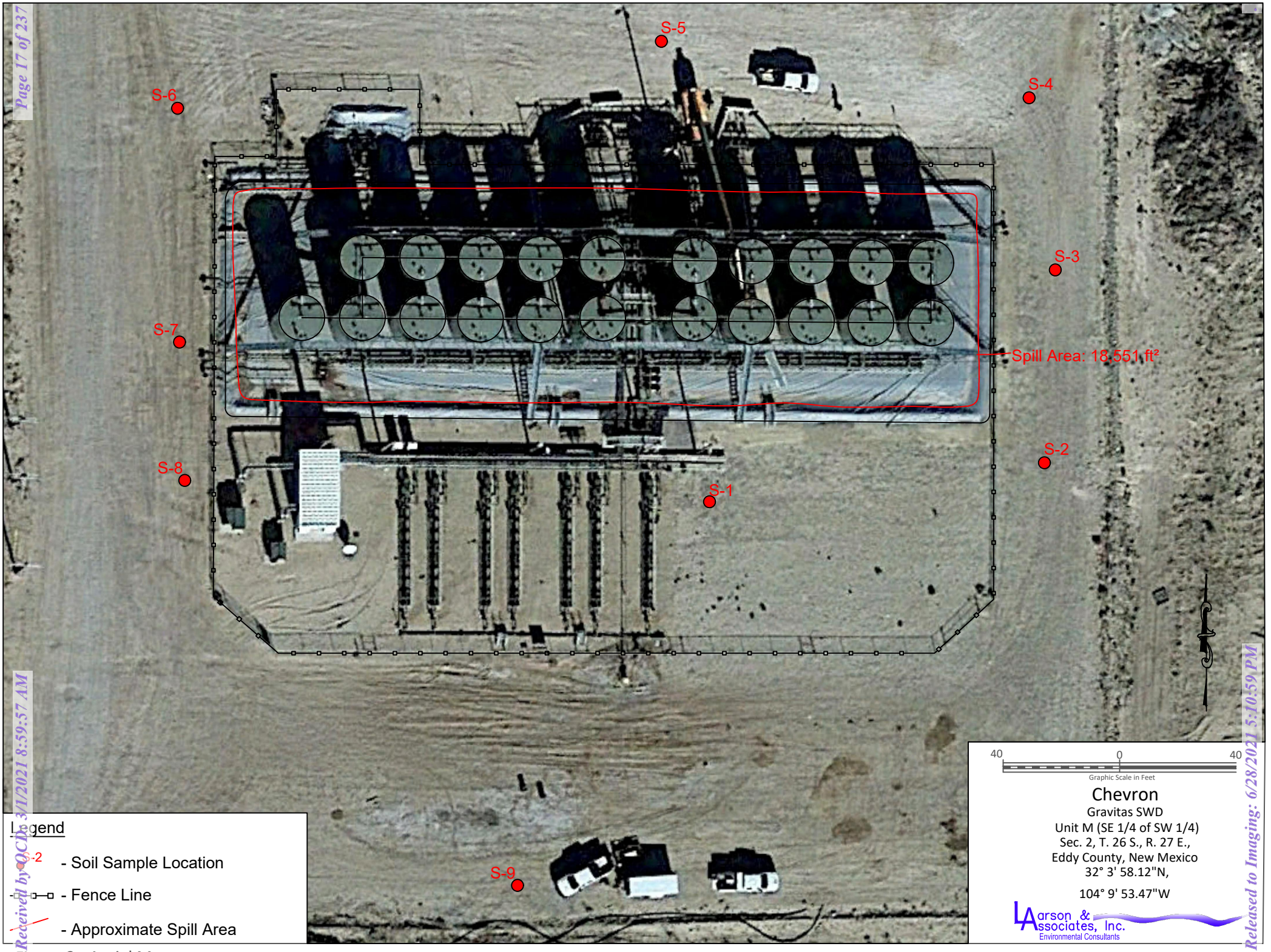

Figure 2 - Aerial Map

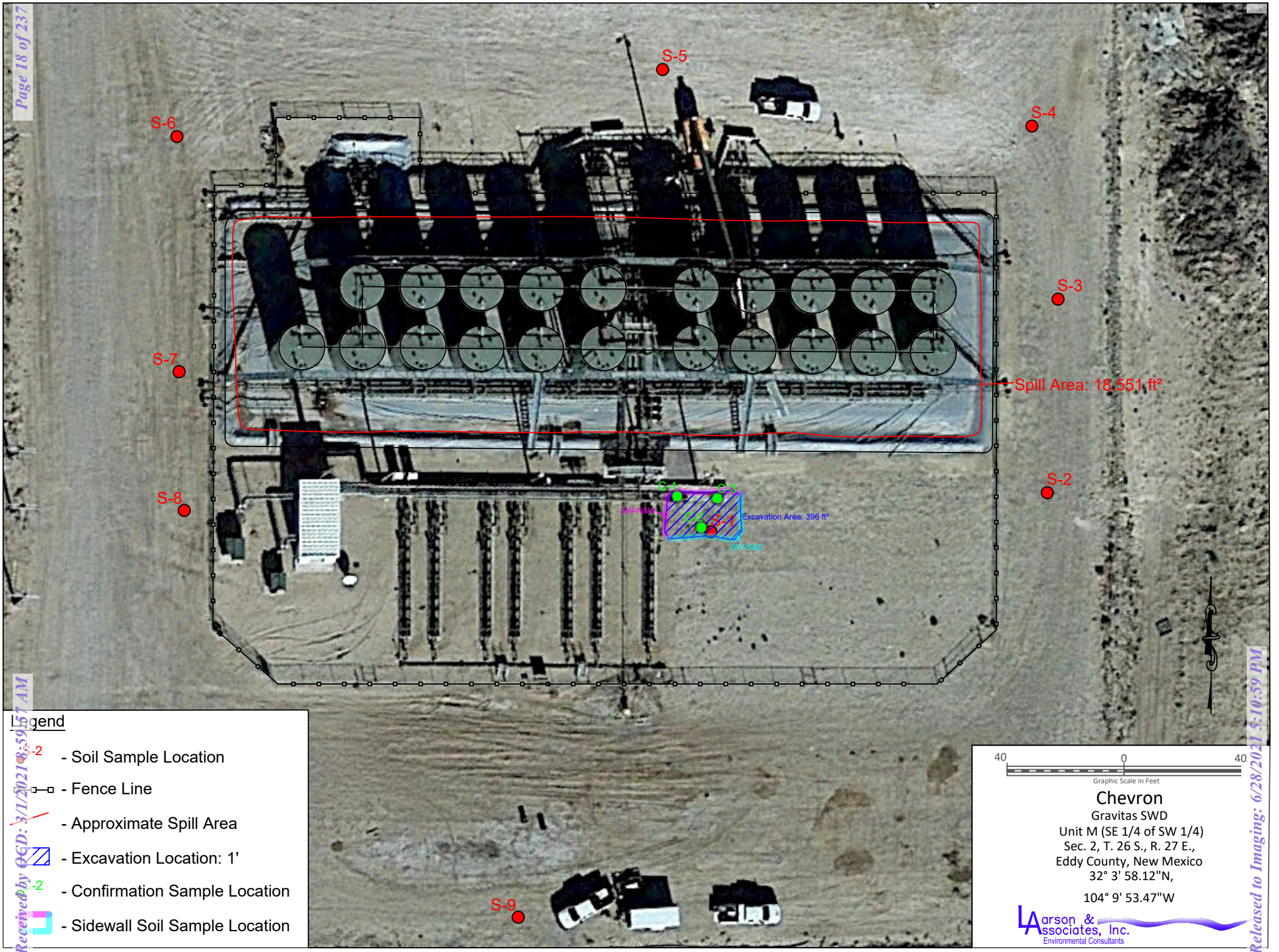

Figure 3 - Aerial Map Showing Excavation Location

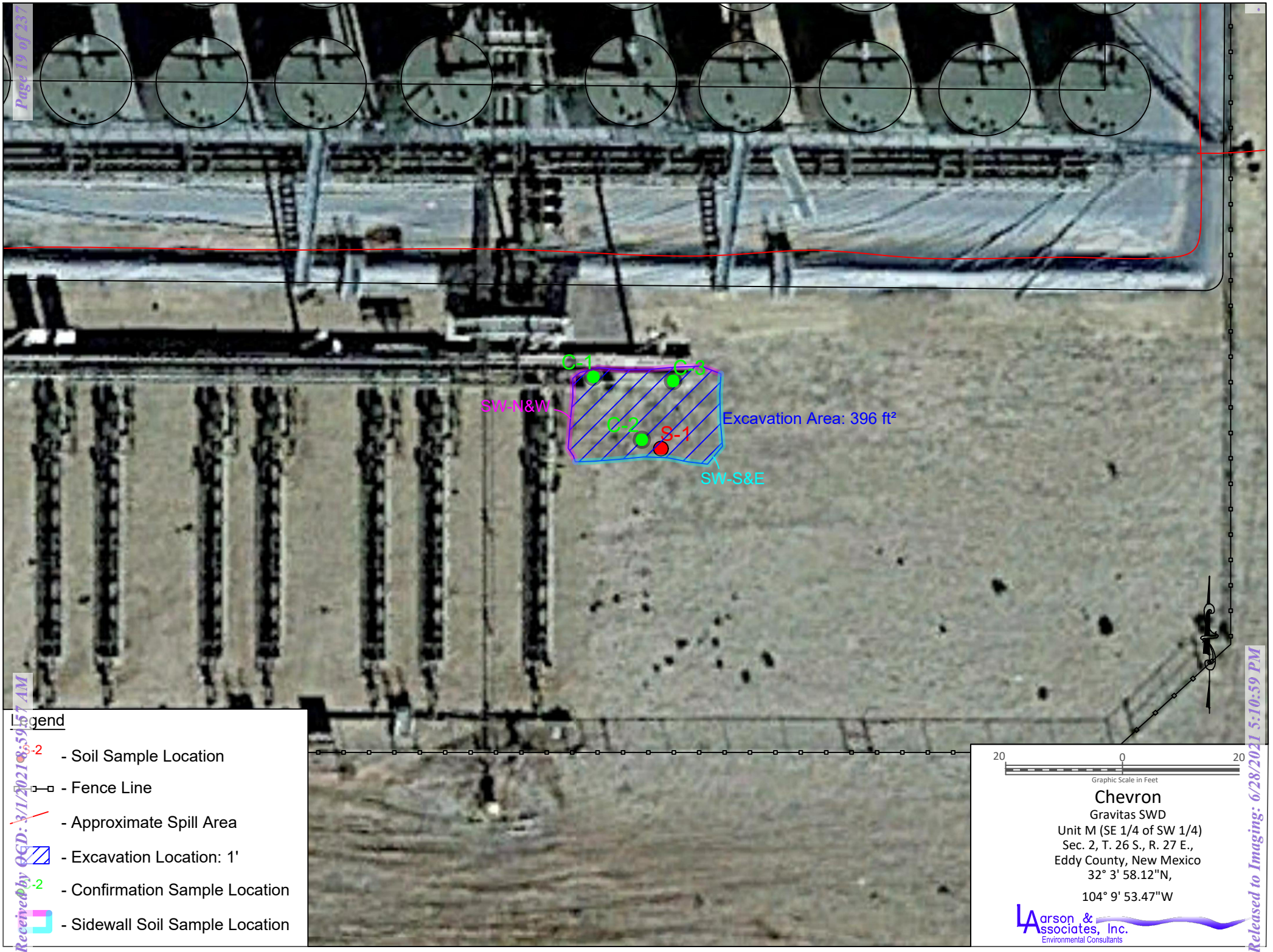

Figure 3a - Focused Aerial Map Showing Excavation Location

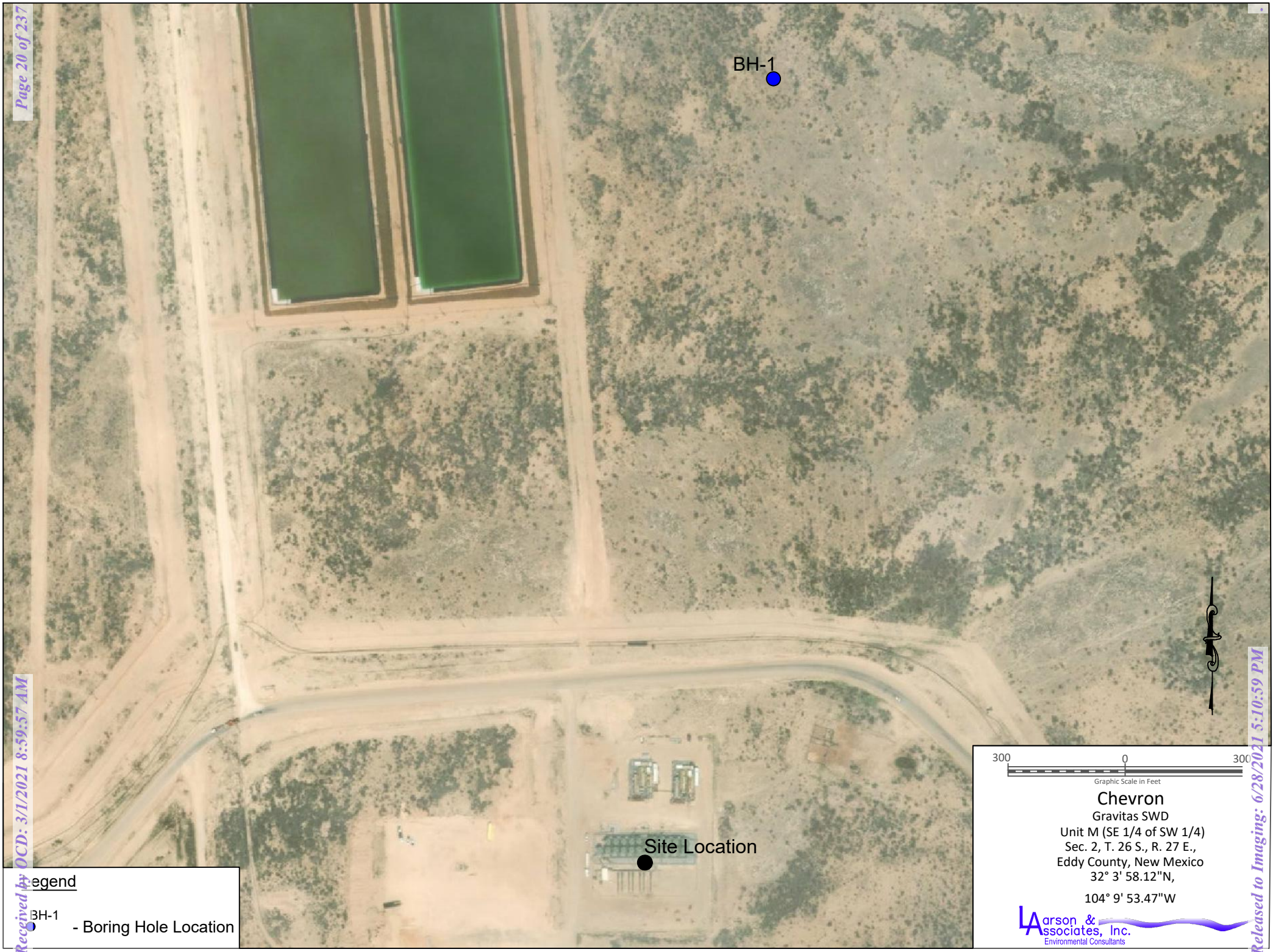

Figure 4 - Aerial Map Showing Boring Hole Location

Appendix A

Chevron Spill Calculation

Incident ID	
District RP	
Facility ID	
Application ID	

MCBU Spill Calculations Worksheet

Only Change Values in Columns B, C & D !

Rectangular spill **Do Not Change Formulas!!**

All dimensions in feet !

	Length	Width	Depth	Total Volume of Fluid in Bbls
Average total depth	115	5	0.0833	8.53
Use oil depth or skim thickness	0	0	0	0.00
			.	8.53

Appendix B

Karst Risk Potential

*New Mexico Kart or No Karst - QGIS

Project Edit View Layer Settings Plugins Vector Raster Database Web Mesh Processing Help

Browser

- Favorites
- Spatial Bookmarks
- Project Home
- Home
- C:\
- D:\
- L:\
- Z:\
- GeoPackage
- SpatiaLite
- PostGIS
- MSSQL
- Oracle
- DB2
- WMS/WMTS
- XYZ Tiles
- WCS
- WFS / OGC API - Features
- OWS
- ArcGisMapServer
- ArcGisFeatureServer
- GeoNode

Layers

- Added geom info
- carlsbad_west
- Karst_or_No_Karst
  - High
  - Low
  - Medium
- Bing Satellite

Type to locate (Ctrl+K)

Coordinate 579006.7,3548255.7 Scale 1:2789 Magnifier 100% Rotation 0.0 ° Render EPSG:26913

Appendix C

Boring Log

BORING RECORD

Start: 11:30
Finish: 12:30

GEOLOGIC UNIT	DEPTH	DESCRIPTION LITHOLOGIC	DESCRIPTION USCS	GRAPHIC LOG
	0	Silty Sand, 7.5YR 8/2, Pinkish White, Rounded, Fine Grained, Poorly Sorted, Subangular, 0.5-2cm Clast Inclusions	ML	
	5	Caliche, 7.5YR 8/1, White, Rounded, Poorly Sorted, Medium Grained, Subangular, 0.5-1cm Diameter Clast Inclusions	Caliche	
	10			
	15	Silty Sand, 7.5YR 6/6, Reddish Yellow, Rounded, Fine Grained, Poorly Sorted, Subangular, 0.5-1cm Diameter Clast Inclusions 7.5YR 6/8, Reddish Yellow, Subangular, 0.5-2.5cm Diameter Clast Inclusions	ML	
Depth to Water: 25.25	20			
	25	Quartz Sand, 2.5YR 8/2, Pinkish White, Fine Grained, Rounded, Poorly Sorted, Subangular, 0.5-2cm Diameter Clast Inclusions	SM	
	30			
	35			
	40	Quartz Sand, Very Fine Grained, Well Rounded, Poorly Sorted, 7.5YR 8/1, White, Subangular Clast Inclusions, 0.5-1.5cm Diameter		
	45			
	50		SM	

PID READING — PPM X 1 (2 4 6 8 10 12 14 16 18)

SAMPLE: NUMBER | PID READING | RECOVERY | DEPTH

REMARKS: BACKGROUND PID READING
SOIL : _____ PPM
SOIL : _____ PPM

ONE CONTINUOUS AUGER SAMPLER
STANDARD PENETRATION TEST
UNDISTURBED SAMPLE
WATER TABLE (24 HRS)
WATER TABLE (TIME OF BORING)
LABORATORY TEST LOCATION
PENETROMETER (TONS/ SQ. FT)
NR NO RECOVERY

JOB NUMBER : Chevron/ 20-0107-03
HOLE DIAMETER : 2"
LOCATION : Skeen 2H - Carlsbad, NM
LAI GEOLOGIST : R. Nelson
DRILLING CONTRACTOR : SDI
DRILLING METHOD : Air Rotary

Larson & Associates, Inc. Environmental Consultants

DRILL DATE : 04-29-2020

BORING NUMBER : BH-1

BORING RECORD

GEOLOGIC UNIT	DEPTH	Start: 11:30 Finish: 12:30 DESCRIPTION LITHOLOGIC	DESCRIPTION USCS	GRAPHIC LOG
	55			
	60		SM	
	65	Silty Sand, 18YR 6/5, Pale Brown, Rounded, Fine Grained, Moderately Sorted, Subangular, 0.5-1cm Diameter Inclusions		
	70		ML	
	75			
	80	2.5YR, Pink, Very Fine Grained, Well Rounded, Well Sorted, Subangular, 0.5-1cm Diameter Clast Inclusions		
	85		ML	
	90			
	95	TD: 95'		
	100			
	105			

PID READING: PPM X 1 (2 4 6 8 10 12 14 16 18)

SAMPLE: NUMBER | PID READING | RECOVERY | DEPTH (60, 65, 70, 75, 80, 85, 90, 95, 100, 105)

REMARKS: BACKGROUND PID READING
SOIL : _____ PPM
SOIL : _____ PPM

ONE CONTINUOUS AUGER SAMPLER
STANDARD PENETRATION TEST
UNDISTURBED SAMPLE
WATER TABLE (24 HRS)
WATER TABLE (TIME OF BORING)
LABORATORY TEST LOCATION
PENETROMETER (TONS/ SQ. FT)
NR NO RECOVERY

JOB NUMBER : Chevron/ 20-0107-03
HOLE DIAMETER : 2"
LOCATION : Skeen 2H - Carlsbad, NM
LAI GEOLOGIST : R. Nelson
DRILLING CONTRACTOR : SDI
DRILLING METHOD : Air Rotary

Larson & Associates, Inc. Environmental Consultants

DRILL DATE : 04-29-2020

BORING NUMBER : BH-1

Appendix D

Laboratory Reports

Certificate of Analysis Summary 657958

Larson and Associates, Inc., Midland, TX

Project Name: Chevron.Gravitas SWD

Project Id: 20-0107-10
Contact: Mark Larson
Project Location:

Date Received in Lab: Mon 04.06.2020 09:20
Report Date: 04.14.2020 10:06
Project Manager: Holly Taylor

Analysis Requested													
	Lab Id:	657958-001		657958-002		657958-003		657958-004		657958-005		657958-006	
	Field Id:	S-1		S-2		S-3		S-4		S-5		S-6	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	04.03.2020 12:00		04.03.2020 12:05		04.03.2020 12:10		04.03.2020 12:16		04.03.2020 12:22		04.03.2020 12:27	
BTEX by EPA 8021B	Extracted:	04.11.2020 11:45		04.11.2020 11:45		04.11.2020 11:45		04.11.2020 11:45		04.11.2020 11:45		04.11.2020 11:45	
	Analyzed:	04.12.2020 21:40		04.12.2020 22:00		04.12.2020 22:21		04.12.2020 22:41		04.12.2020 23:01		04.12.2020 23:22	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
Toluene		<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
Ethylbenzene		<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
m,p-Xylenes		<0.00398	0.00398	<0.00397	0.00397	<0.00399	0.00399	<0.00399	0.00399	<0.00398	0.00398	<0.00400	0.00400
o-Xylene		<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
Total Xylenes		<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
Total BTEX		<0.00199	0.00199	<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
Chloride by EPA 300	Extracted:	04.06.2020 15:40		04.06.2020 15:40		04.06.2020 15:40		04.06.2020 15:40		04.06.2020 15:40		04.06.2020 15:40	
	Analyzed:	04.06.2020 18:08		04.06.2020 18:15		04.07.2020 08:39		04.07.2020 08:46		04.07.2020 08:53		04.06.2020 19:16	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		7050	100	55.6	50.2	43.3	4.99	9.03	5.03	12.1	4.95	146	50.4
TPH by SW8015 Mod	Extracted:	04.07.2020 14:00		04.07.2020 14:00		04.07.2020 14:00		04.07.2020 14:00		04.07.2020 14:00		04.08.2020 11:00	
	Analyzed:	04.08.2020 01:19		04.08.2020 01:41		04.08.2020 02:24		04.08.2020 02:46		04.08.2020 03:08		04.08.2020 14:37	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0	<49.9	49.9	<49.8	49.8
Diesel Range Organics (DRO)		<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0	<49.9	49.9	<49.8	49.8
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0	<49.9	49.9	<49.8	49.8
Total TPH		<50.0	50.0	<49.9	49.9	<49.8	49.8	<50.0	50.0	<49.9	49.9	<49.8	49.8

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Holly Taylor
Project Manager

Certificate of Analysis Summary 657958

Larson and Associates, Inc., Midland, TX

Project Name: Chevron.Gravitas SWD

Project Id: 20-0107-10
Contact: Mark Larson
Project Location:

Date Received in Lab: Mon 04.06.2020 09:20
Report Date: 04.14.2020 10:06
Project Manager: Holly Taylor

Analysis Requested									
	Lab Id:	657958-007		657958-008					
	Field Id:	S-7		S-8					
	Depth:								
	Matrix:	SOIL		SOIL					
	Sampled:	04.03.2020 12:34		04.03.2020 12:42					
BTEX by EPA 8021B	***Extracted:***	04.11.2020 11:45		04.11.2020 11:45					
	Analyzed:	04.12.2020 23:42		04.13.2020 00:03					
	Units/RL:	mg/kg	RL	mg/kg	RL				
Benzene		<0.00198	0.00198	<0.00200	0.00200				
Toluene		<0.00198	0.00198	<0.00200	0.00200				
Ethylbenzene		<0.00198	0.00198	<0.00200	0.00200				
m,p-Xylenes		<0.00397	0.00397	<0.00399	0.00399				
o-Xylene		<0.00198	0.00198	<0.00200	0.00200				
Total Xylenes		<0.00198	0.00198	<0.00200	0.00200				
Total BTEX		<0.00198	0.00198	<0.00200	0.00200				
Chloride by EPA 300	***Extracted:***	04.06.2020 15:40		04.06.2020 15:40					
	Analyzed:	04.06.2020 19:23		04.06.2020 19:30					
	Units/RL:	mg/kg	RL	mg/kg	RL				
Chloride		30.3	24.8	92.6	49.5				
TPH by SW8015 Mod	***Extracted:***	04.08.2020 11:00		04.08.2020 11:00					
	Analyzed:	04.08.2020 14:55		04.08.2020 15:14					
	Units/RL:	mg/kg	RL	mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<49.9	49.9				
Diesel Range Organics (DRO)		<50.0	50.0	<49.9	49.9				
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<49.9	49.9				
Total TPH		<50.0	50.0	<49.9	49.9				

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Holly Taylor
Project Manager

Analytical Report 657958

for

Larson and Associates, Inc.

Project Manager: Mark Larson

Chevron.Gravitas SWD

20-0107-10

04.14.2020

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-19-30), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (19-037-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (TX104704295-19-22), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-19-16)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-19-21)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-19-5)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)

04.14.2020

Project Manager: **Mark Larson**
Larson and Associates, Inc.
P. O. Box 50685
Midland, TX 79710

Reference: XENCO Report No(s): **657958**
Chevron.Gravitas SWD
Project Address:

Mark Larson :

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 657958. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 657958 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Holly Taylor

Holly Taylor
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Sample Cross Reference 657958

Larson and Associates, Inc., Midland, TX

Chevron.Gravitas SWD

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
S-1	S	04.03.2020 12:00		657958-001
S-2	S	04.03.2020 12:05		657958-002
S-3	S	04.03.2020 12:10		657958-003
S-4	S	04.03.2020 12:16		657958-004
S-5	S	04.03.2020 12:22		657958-005
S-6	S	04.03.2020 12:27		657958-006
S-7	S	04.03.2020 12:34		657958-007
S-8	S	04.03.2020 12:42		657958-008

CASE NARRATIVE

Client Name: Larson and Associates, Inc.

Project Name: Chevron.Gravitas SWD

Project ID: *20-0107-10*
Work Order Number(s): *657958*

Report Date: *04.14.2020*
Date Received: *04.06.2020*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3122857 BTEX by EPA 8021B

Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Certificate of Analytical Results 657958

Larson and Associates, Inc., Midland, TX

Chevron.Gravitas SWD

Sample Id:	**S-1**	Matrix:	Soil	Date Received:	04.06.2020 09:20
Lab Sample Id:	657958-001	Date Collected:	04.03.2020 12:00		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	04.06.2020 15:40	Basis:	Wet Weight
Seq Number:	3122157				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**7050**	100	mg/kg	04.06.2020 18:08		20

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	04.07.2020 14:00	Basis:	Wet Weight
Seq Number:	3122297				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	04.08.2020 01:19	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	04.08.2020 01:19	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	04.08.2020 01:19	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	04.08.2020 01:19	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	112	%	70-130	04.08.2020 01:19	
o-Terphenyl	84-15-1	122	%	70-130	04.08.2020 01:19	

Certificate of Analytical Results 657958

Larson and Associates, Inc., Midland, TX

Chevron.Gravitas SWD

Sample Id:	**S-1**	Matrix:	Soil	Date Received:	04.06.2020 09:20
Lab Sample Id:	657958-001	Date Collected:	04.03.2020 12:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	04.11.2020 11:45	Basis:	Wet Weight
Seq Number:	3122857				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	04.12.2020 21:40	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	04.12.2020 21:40	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	04.12.2020 21:40	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	04.12.2020 21:40	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	04.12.2020 21:40	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	04.12.2020 21:40	U	1
Total BTEX		<0.00199	0.00199	mg/kg	04.12.2020 21:40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	109	%	70-130	04.12.2020 21:40	
4-Bromofluorobenzene	460-00-4	118	%	70-130	04.12.2020 21:40	

Certificate of Analytical Results 657958

Larson and Associates, Inc., Midland, TX

Chevron.Gravitas SWD

Sample Id:	**S-2**	Matrix:	Soil	Date Received:	04.06.2020 09:20
Lab Sample Id:	657958-002	Date Collected:	04.03.2020 12:05		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	04.06.2020 15:40	Basis:	Wet Weight
Seq Number:	3122157				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**55.6**	50.2	mg/kg	04.06.2020 18:15		10

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	04.07.2020 14:00	Basis:	Wet Weight
Seq Number:	3122297				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	04.08.2020 01:41	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	04.08.2020 01:41	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	04.08.2020 01:41	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	04.08.2020 01:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	109	%	70-130	04.08.2020 01:41	
o-Terphenyl	84-15-1	120	%	70-130	04.08.2020 01:41	

Certificate of Analytical Results 657958

Larson and Associates, Inc., Midland, TX

Chevron.Gravitas SWD

Sample Id:	**S-2**	Matrix:	Soil	Date Received:	04.06.2020 09:20
Lab Sample Id:	657958-002	Date Collected:	04.03.2020 12:05		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	04.11.2020 11:45	Basis:	Wet Weight
Seq Number:	3122857				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	04.12.2020 22:00	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	04.12.2020 22:00	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	04.12.2020 22:00	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	04.12.2020 22:00	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	04.12.2020 22:00	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	04.12.2020 22:00	U	1
Total BTEX		<0.00198	0.00198	mg/kg	04.12.2020 22:00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	126	%	70-130	04.12.2020 22:00	
1,4-Difluorobenzene	540-36-3	107	%	70-130	04.12.2020 22:00	

Certificate of Analytical Results 657958

Larson and Associates, Inc., Midland, TX

Chevron.Gravitas SWD

Sample Id:	**S-3**	Matrix:	Soil	Date Received:	04.06.2020 09:20
Lab Sample Id:	657958-003	Date Collected:	04.03.2020 12:10		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	04.06.2020 15:40	Basis:	Wet Weight
Seq Number:	3122157				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**43.3**	4.99	mg/kg	04.07.2020 08:39		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	04.07.2020 14:00	Basis:	Wet Weight
Seq Number:	3122297				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	04.08.2020 02:24	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	04.08.2020 02:24	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	04.08.2020 02:24	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	04.08.2020 02:24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-130	04.08.2020 02:24	
o-Terphenyl	84-15-1	116	%	70-130	04.08.2020 02:24	

Certificate of Analytical Results 657958

Larson and Associates, Inc., Midland, TX

Chevron.Gravitas SWD

Sample Id:	**S-3**	Matrix:	Soil	Date Received:	04.06.2020 09:20
Lab Sample Id:	657958-003	Date Collected:	04.03.2020 12:10		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	04.11.2020 11:45	Basis:	Wet Weight
Seq Number:	3122857				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	04.12.2020 22:21	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	04.12.2020 22:21	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	04.12.2020 22:21	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	04.12.2020 22:21	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	04.12.2020 22:21	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	04.12.2020 22:21	U	1
Total BTEX		<0.00200	0.00200	mg/kg	04.12.2020 22:21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	129	%	70-130	04.12.2020 22:21	
1,4-Difluorobenzene	540-36-3	109	%	70-130	04.12.2020 22:21	

Certificate of Analytical Results 657958

Larson and Associates, Inc., Midland, TX

Chevron.Gravitas SWD

Sample Id:	**S-4**	Matrix:	Soil	Date Received:	04.06.2020 09:20
Lab Sample Id:	657958-004	Date Collected:	04.03.2020 12:16		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	04.06.2020 15:40	Basis:	Wet Weight
Seq Number:	3122157				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**9.03**	5.03	mg/kg	04.07.2020 08:46		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	04.07.2020 14:00	Basis:	Wet Weight
Seq Number:	3122297				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	04.08.2020 02:46	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	04.08.2020 02:46	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	04.08.2020 02:46	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	04.08.2020 02:46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-130	04.08.2020 02:46	
o-Terphenyl	84-15-1	107	%	70-130	04.08.2020 02:46	

Certificate of Analytical Results 657958

Larson and Associates, Inc., Midland, TX

Chevron.Gravitas SWD

Sample Id:	**S-4**	Matrix:	Soil	Date Received:	04.06.2020 09:20
Lab Sample Id:	657958-004	Date Collected:	04.03.2020 12:16		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	04.11.2020 11:45	Basis:	Wet Weight
Seq Number:	3122857				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	04.12.2020 22:41	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	04.12.2020 22:41	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	04.12.2020 22:41	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	04.12.2020 22:41	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	04.12.2020 22:41	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	04.12.2020 22:41	U	1
Total BTEX		<0.00200	0.00200	mg/kg	04.12.2020 22:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	116	%	70-130	04.12.2020 22:41	
1,4-Difluorobenzene	540-36-3	107	%	70-130	04.12.2020 22:41	

Certificate of Analytical Results 657958

Larson and Associates, Inc., Midland, TX

Chevron.Gravitas SWD

Sample Id:	**S-5**	Matrix:	Soil	Date Received:	04.06.2020 09:20
Lab Sample Id:	657958-005	Date Collected:	04.03.2020 12:22		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	04.06.2020 15:40	Basis:	Wet Weight
Seq Number:	3122157				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**12.1**	4.95	mg/kg	04.07.2020 08:53		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	04.07.2020 14:00	Basis:	Wet Weight
Seq Number:	3122297				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	04.08.2020 03:08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	04.08.2020 03:08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	04.08.2020 03:08	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	04.08.2020 03:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-130	04.08.2020 03:08	
o-Terphenyl	84-15-1	112	%	70-130	04.08.2020 03:08	

Certificate of Analytical Results 657958

Larson and Associates, Inc., Midland, TX

Chevron.Gravitas SWD

Sample Id:	**S-5**	Matrix:	Soil	Date Received:	04.06.2020 09:20
Lab Sample Id:	657958-005	Date Collected:	04.03.2020 12:22		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	04.11.2020 11:45	Basis:	Wet Weight
Seq Number:	3122857				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	04.12.2020 23:01	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	04.12.2020 23:01	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	04.12.2020 23:01	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	04.12.2020 23:01	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	04.12.2020 23:01	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	04.12.2020 23:01	U	1
Total BTEX		<0.00199	0.00199	mg/kg	04.12.2020 23:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	123	%	70-130	04.12.2020 23:01	
1,4-Difluorobenzene	540-36-3	108	%	70-130	04.12.2020 23:01	

Certificate of Analytical Results 657958

Larson and Associates, Inc., Midland, TX

Chevron.Gravitas SWD

Sample Id: **S-6** Matrix: Soil Date Received:04.06.2020 09:20

Lab Sample Id: 657958-006 Date Collected: 04.03.2020 12:27

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: CHE % Moisture:

Analyst: CHE Date Prep: 04.06.2020 15:40 Basis: Wet Weight

Seq Number: 3122157

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**146**	50.4	mg/kg	04.06.2020 19:16		10

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 04.08.2020 11:00 Basis: Wet Weight

Seq Number: 3122469

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	04.08.2020 14:37	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	04.08.2020 14:37	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	04.08.2020 14:37	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	04.08.2020 14:37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	81	%	70-130	04.08.2020 14:37	
o-Terphenyl	84-15-1	83	%	70-130	04.08.2020 14:37	

Certificate of Analytical Results 657958

Larson and Associates, Inc., Midland, TX

Chevron.Gravitas SWD

Sample Id:	**S-6**	Matrix:	Soil	Date Received:	04.06.2020 09:20
Lab Sample Id:	657958-006	Date Collected:	04.03.2020 12:27		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	04.11.2020 11:45	Basis:	Wet Weight
Seq Number:	3122857				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	04.12.2020 23:22	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	04.12.2020 23:22	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	04.12.2020 23:22	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	04.12.2020 23:22	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	04.12.2020 23:22	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	04.12.2020 23:22	U	1
Total BTEX		<0.00200	0.00200	mg/kg	04.12.2020 23:22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	117	%	70-130	04.12.2020 23:22	
1,4-Difluorobenzene	540-36-3	105	%	70-130	04.12.2020 23:22	

Certificate of Analytical Results 657958

Larson and Associates, Inc., Midland, TX

Chevron.Gravitas SWD

Sample Id:	**S-7**	Matrix:	Soil	Date Received:	04.06.2020 09:20
Lab Sample Id:	657958-007	Date Collected:	04.03.2020 12:34		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	04.06.2020 15:40	Basis:	Wet Weight
Seq Number:	3122157				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**30.3**	24.8	mg/kg	04.06.2020 19:23		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	04.08.2020 11:00	Basis:	Wet Weight
Seq Number:	3122469				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	04.08.2020 14:55	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	04.08.2020 14:55	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	04.08.2020 14:55	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	04.08.2020 14:55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	77	%	70-130	04.08.2020 14:55	
o-Terphenyl	84-15-1	80	%	70-130	04.08.2020 14:55	

Certificate of Analytical Results 657958

Larson and Associates, Inc., Midland, TX

Chevron.Gravitas SWD

Sample Id:	**S-7**	Matrix:	Soil	Date Received:	04.06.2020 09:20
Lab Sample Id:	657958-007	Date Collected:	04.03.2020 12:34		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	04.11.2020 11:45	Basis:	Wet Weight
Seq Number:	3122857				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	04.12.2020 23:42	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	04.12.2020 23:42	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	04.12.2020 23:42	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	04.12.2020 23:42	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	04.12.2020 23:42	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	04.12.2020 23:42	U	1
Total BTEX		<0.00198	0.00198	mg/kg	04.12.2020 23:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	107	%	70-130	04.12.2020 23:42	
4-Bromofluorobenzene	460-00-4	126	%	70-130	04.12.2020 23:42	

Certificate of Analytical Results 657958

Larson and Associates, Inc., Midland, TX

Chevron.Gravitas SWD

Sample Id:	**S-8**	Matrix:	Soil	Date Received:	04.06.2020 09:20
Lab Sample Id:	657958-008	Date Collected:	04.03.2020 12:42		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	CHE			% Moisture:	
Analyst:	CHE	Date Prep:	04.06.2020 15:40	Basis:	Wet Weight
Seq Number:	3122157				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**92.6**	49.5	mg/kg	04.06.2020 19:30		10

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	04.08.2020 11:00	Basis:	Wet Weight
Seq Number:	3122469				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	04.08.2020 15:14	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	04.08.2020 15:14	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	04.08.2020 15:14	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	04.08.2020 15:14	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	84	%	70-130	04.08.2020 15:14	
o-Terphenyl	84-15-1	87	%	70-130	04.08.2020 15:14	

Certificate of Analytical Results 657958

Larson and Associates, Inc., Midland, TX

Chevron.Gravitas SWD

Sample Id:	**S-8**	Matrix:	Soil	Date Received:	04.06.2020 09:20
Lab Sample Id:	657958-008	Date Collected:	04.03.2020 12:42		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	04.11.2020 11:45	Basis:	Wet Weight
Seq Number:	3122857				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	04.13.2020 00:03	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	04.13.2020 00:03	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	04.13.2020 00:03	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	04.13.2020 00:03	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	04.13.2020 00:03	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	04.13.2020 00:03	U	1
Total BTEX		<0.00200	0.00200	mg/kg	04.13.2020 00:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	114	%	70-130	04.13.2020 00:03	
1,4-Difluorobenzene	540-36-3	112	%	70-130	04.13.2020 00:03	

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 657958

Larson and Associates, Inc.

Chevron.Gravitas SWD

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3122157 — Matrix: Solid — Date Prep: 04.06.2020
MB Sample Id: 7700637-1-BLK — LCS Sample Id: 7700637-1-BKS — LCSD Sample Id: 7700637-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	249	100	249	100	90-110	0	20	mg/kg	04.06.2020 16:32	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3122157 — Matrix: Soil — Date Prep: 04.06.2020
Parent Sample Id: 657957-005 — MS Sample Id: 657957-005 S — MSD Sample Id: 657957-005 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.03	252	273	108	268	106	90-110	2	20	mg/kg	04.06.2020 16:52	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3122157 — Matrix: Soil — Date Prep: 04.06.2020
Parent Sample Id: 657957-013 — MS Sample Id: 657957-013 S — MSD Sample Id: 657957-013 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	6.02	249	272	107	269	106	90-110	1	20	mg/kg	04.06.2020 18:28	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3122297 — Matrix: Solid — Date Prep: 04.07.2020
MB Sample Id: 7700740-1-BLK — LCS Sample Id: 7700740-1-BKS — LCSD Sample Id: 7700740-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1100	110	966	97	70-130	13	20	mg/kg	04.07.2020 21:02	
Diesel Range Organics (DRO)	<50.0	1000	1180	118	1060	106	70-130	11	20	mg/kg	04.07.2020 21:02	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	114		118		104		70-130	%	04.07.2020 21:02
o-Terphenyl	128		116		114		70-130	%	04.07.2020 21:02

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3122469 — Matrix: Solid — Date Prep: 04.08.2020
MB Sample Id: 7700811-1-BLK — LCS Sample Id: 7700811-1-BKS — LCSD Sample Id: 7700811-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	812	81	807	81	70-130	1	20	mg/kg	04.08.2020 12:46	
Diesel Range Organics (DRO)	<50.0	1000	888	89	882	88	70-130	1	20	mg/kg	04.08.2020 12:46	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	82		92		96		70-130	%	04.08.2020 12:46
o-Terphenyl	87		90		91		70-130	%	04.08.2020 12:46

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 657958

Larson and Associates, Inc.

Chevron.Gravitas SWD

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3122297 Matrix: Solid Date Prep: 04.07.2020
MB Sample Id: 7700740-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	04.07.2020 20:41	

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3122469 Matrix: Solid Date Prep: 04.08.2020
MB Sample Id: 7700811-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	04.08.2020 12:28	

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3122297 Matrix: Soil Date Prep: 04.07.2020
Parent Sample Id: 657880-004 MS Sample Id: 657880-004 S MSD Sample Id: 657880-004 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	997	965	97	1030	103	70-130	7	20	mg/kg	04.07.2020 22:06	
Diesel Range Organics (DRO)	85.0	997	1100	102	1200	112	70-130	9	20	mg/kg	04.07.2020 22:06	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	101		110		70-130	%	04.07.2020 22:06
o-Terphenyl	112		123		70-130	%	04.07.2020 22:06

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3122469 Matrix: Soil Date Prep: 04.08.2020
Parent Sample Id: 658227-041 MS Sample Id: 658227-041 S MSD Sample Id: 658227-041 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	997	838	84	934	94	70-130	11	20	mg/kg	04.08.2020 13:41	
Diesel Range Organics (DRO)	<49.9	997	968	97	1080	108	70-130	11	20	mg/kg	04.08.2020 13:41	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	91		101		70-130	%	04.08.2020 13:41
o-Terphenyl	82		90		70-130	%	04.08.2020 13:41

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 657958

Larson and Associates, Inc.

Chevron.Gravitas SWD

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B
Seq Number: 3122857 Matrix: Solid Date Prep: 04.11.2020
MB Sample Id: 7701183-1-BLK LCS Sample Id: 7701183-1-BKS LCSD Sample Id: 7701183-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0885	89	0.0920	92	70-130	4	35	mg/kg	04.12.2020 19:17	
Toluene	<0.00200	0.100	0.0956	96	0.0939	94	70-130	2	35	mg/kg	04.12.2020 19:17	
Ethylbenzene	<0.00200	0.100	0.0938	94	0.0905	91	70-130	4	35	mg/kg	04.12.2020 19:17	
m,p-Xylenes	<0.00400	0.200	0.189	95	0.181	91	70-130	4	35	mg/kg	04.12.2020 19:17	
o-Xylene	<0.00200	0.100	0.0979	98	0.0934	93	70-130	5	35	mg/kg	04.12.2020 19:17	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	107		103		106		70-130	%	04.12.2020 19:17
4-Bromofluorobenzene	110		105		103		70-130	%	04.12.2020 19:17

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B
Seq Number: 3122857 Matrix: Soil Date Prep: 04.11.2020
Parent Sample Id: 657958-001 MS Sample Id: 657958-001 S MSD Sample Id: 657958-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.0870	87	0.0895	90	70-130	3	35	mg/kg	04.12.2020 19:58	
Toluene	<0.00200	0.0998	0.0888	89	0.0969	97	70-130	9	35	mg/kg	04.12.2020 19:58	
Ethylbenzene	<0.00200	0.0998	0.0863	86	0.0961	96	70-130	11	35	mg/kg	04.12.2020 19:58	
m,p-Xylenes	<0.00399	0.200	0.174	87	0.197	98	70-130	12	35	mg/kg	04.12.2020 19:58	
o-Xylene	<0.00200	0.0998	0.0894	90	0.100	100	70-130	11	35	mg/kg	04.12.2020 19:58	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	105		104		70-130	%	04.12.2020 19:58
4-Bromofluorobenzene	104		112		70-130	%	04.12.2020 19:58

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

№1135

LBS7956

CHAIN-OF-CUSTODY

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

DATE: 4/6/2020 PAGE 1 OF 1

PO#: LAB WORK ORDER#:

PROJECT LOCATION OR NAME: Chevron, Gravitas SWD

LAI PROJECT #: 20-0107-10 COLLECTOR: DS

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	HNO3	H2SO4 ☐ 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 ☐	300	FIELD NOTES
S-1		4-3-20	1200	S	1				X		X			X	X	X																											X			
S-2			1205																																										
S-3			1210																																										
S-4			1216																																										
S-5			1222																																										
S-6			1227																																										
S-7			1234																																										
S-8			1242																																										

TOTAL 8

RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)
Rachel Owen	4.6.20 19:20	
RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)
RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)

LABORATORY: Xenco

TURN AROUND TIME
NORMAL ☐
1 DAY ☐
2 DAY ☐
OTHER ☒ 5days

LABORATORY USE ONLY:
RECEIVING TEMP: 3.6 / 3.3 THERM#: R9
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL #
☐ HAND DELIVERED

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Larson and Associates, Inc.

Date/ Time Received: 04.06.2020 09.20.00 AM

Work Order #: 657958

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R9

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	3.3
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**
#5 Custody Seals intact on sample bottles?	**N/A**
#6*Custody Seals Signed and dated?	**N/A**
#7 *Chain of Custody present?	**Yes**
#8 Any missing/extra samples?	**No**
#9 Chain of Custody signed when relinquished/ received?	**Yes**
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**
#11 Container label(s) legible and intact?	**Yes**
#12 Samples in proper container/ bottle?	**Yes**
#13 Samples properly preserved?	**Yes**
#14 Sample container(s) intact?	**Yes**
#15 Sufficient sample amount for indicated test(s)?	**Yes**
#16 All samples received within hold time?	**Yes**
#17 Subcontract of sample(s)?	**N/A**
#18 Water VOC samples have zero headspace?	**N/A**

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Brianna Teel Date: 04.06.2020

Brianna Teel

Checklist reviewed by: Holly Taylor Date: 04.07.2020

Holly Taylor

Certificate of Analysis Summary 660420

Larson and Associates, Inc., Midland, TX

Project Name: Gravitas SWD Chevron

Project Id: 20-0107-10
Contact: Mark Larson
Project Location:

Date Received in Lab: Fri 05.01.2020 13:23
Report Date: 05.11.2020 17:15
Project Manager: Holly Taylor

Analysis Requested															
	Lab Id:	660420-001		660420-002		660420-003		660420-005		660420-006		660420-007			
	Field Id:	S-2 (1')		S-2 (3')		S-2 (5')		S-3 (1')		S-3 (3')		S-3 (5')			
	Depth:														
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL			
	Sampled:	04.28.2020 13:00		04.28.2020 13:01		04.28.2020 13:10		04.28.2020 14:05		04.28.2020 14:06		04.28.2020 14:15			
BTEX by EPA 8021B	***Extracted:***	05.09.2020 16:00		05.09.2020 16:00				05.09.2020 16:00		05.09.2020 16:00					
	Analyzed:	05.10.2020 13:00		05.10.2020 13:20				05.10.2020 13:40		05.10.2020 14:00					
	Units/RL:	mg/kg	RL	mg/kg	RL			mg/kg	RL	mg/kg	RL				
Benzene		<0.00200	0.00200	<0.00198	0.00198			<0.00200	0.00200	<0.00201	0.00201				
Toluene		<0.00200	0.00200	<0.00198	0.00198			<0.00200	0.00200	<0.00201	0.00201				
Ethylbenzene		<0.00200	0.00200	<0.00198	0.00198			<0.00200	0.00200	<0.00201	0.00201				
m,p-Xylenes		<0.00399	0.00399	<0.00397	0.00397			<0.00400	0.00400	<0.00402	0.00402				
o-Xylene		<0.00200	0.00200	<0.00198	0.00198			<0.00200	0.00200	<0.00201	0.00201				
Total Xylenes		<0.00200	0.00200	<0.00198	0.00198			<0.00200	0.00200	<0.00201	0.00201				
Total BTEX		<0.00200	0.00200	<0.00198	0.00198			<0.00200	0.00200	<0.00201	0.00201				
Chloride by EPA 300	***Extracted:***	05.02.2020 14:45		05.02.2020 14:45		05.02.2020 14:45		05.02.2020 14:45		05.02.2020 14:45		05.02.2020 14:45			
	Analyzed:	05.03.2020 03:55		05.03.2020 04:00		05.03.2020 04:06		05.03.2020 04:11		05.03.2020 04:16		05.03.2020 04:21			
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL		
Chloride		109	5.04	82.4	5.01	34.7	4.99	23.9	4.98	45.8	4.98	135	4.97		
TPH by SW8015 Mod	***Extracted:***	05.02.2020 12:00		05.02.2020 12:00		05.02.2020 12:00		05.02.2020 12:00		05.02.2020 12:00		05.02.2020 12:00			
	Analyzed:	05.03.2020 11:39		05.03.2020 12:36		05.03.2020 12:55		05.03.2020 13:14		05.03.2020 13:33		05.03.2020 13:52			
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL		
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9		
Diesel Range Organics (DRO)		<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9		
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9		
Total TPH		<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9		

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Holly Taylor
Project Manager

Certificate of Analysis Summary 660420

Larson and Associates, Inc., Midland, TX

Project Name: Gravitas SWD Chevron

Project Id: 20-0107-10
Contact: Mark Larson
Project Location:

Date Received in Lab: Fri 05.01.2020 13:23
Report Date: 05.11.2020 17:15
Project Manager: Holly Taylor

Analysis Requested																			
	Lab Id:	660420-009		660420-010		660420-011		660420-013		660420-014		660420-015							
	Field Id:	S-4 (1')		S-4 (3')		S-4 (5')		S-5 (1')		S-5 (3')		S-5 (5')							
	Depth:																		
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL							
	Sampled:	04.29.2020 09:20		04.29.2020 09:21		04.29.2020 09:30		04.29.2020 10:00		04.29.2020 10:01		04.29.2020 10:10							
BTEX by EPA 8021B	***Extracted:***	05.09.2020 16:00		05.09.2020 16:00				05.09.2020 16:00		05.09.2020 16:00									
	Analyzed:	05.10.2020 14:21		05.10.2020 14:41				05.10.2020 15:01		05.10.2020 15:21									
	Units/RL:	mg/kg	RL	mg/kg	RL			mg/kg	RL	mg/kg	RL								
Benzene		<0.00200	0.00200	<0.00198	0.00198			<0.00199	0.00199	<0.00199	0.00199								
Toluene		<0.00200	0.00200	<0.00198	0.00198			<0.00199	0.00199	<0.00199	0.00199								
Ethylbenzene		<0.00200	0.00200	<0.00198	0.00198			<0.00199	0.00199	<0.00199	0.00199								
m,p-Xylenes		<0.00401	0.00401	<0.00397	0.00397			<0.00398	0.00398	<0.00398	0.00398								
o-Xylene		<0.00200	0.00200	<0.00198	0.00198			<0.00199	0.00199	<0.00199	0.00199								
Total Xylenes		<0.00200	0.00200	<0.00198	0.00198			<0.00199	0.00199	<0.00199	0.00199								
Total BTEX		<0.00200	0.00200	<0.00198	0.00198			<0.00199	0.00199	<0.00199	0.00199								
Chloride by EPA 300	***Extracted:***	05.02.2020 14:45		05.02.2020 14:45		05.02.2020 14:45		05.02.2020 14:45		05.02.2020 14:45		05.02.2020 14:45							
	Analyzed:	05.03.2020 04:27		05.03.2020 04:32		05.03.2020 04:37		05.03.2020 04:42		05.03.2020 04:58		05.03.2020 05:04							
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL						
Chloride		162	4.98	372	4.98	22.8	4.99	119	5.04	27.1	4.98	7.59	4.99						
TPH by SW8015 Mod	***Extracted:***	05.02.2020 12:00		05.02.2020 12:00		05.02.2020 12:00		05.02.2020 12:00		05.02.2020 12:00		05.02.2020 12:00							
	Analyzed:	05.03.2020 14:11		05.03.2020 14:30		05.03.2020 14:49		05.03.2020 15:09		05.03.2020 15:47		05.03.2020 16:06							
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL						
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9	<50.0	50.0	<49.9	49.9	<49.9	49.9	<49.9	49.9	<50.0	50.0						
Diesel Range Organics (DRO)		<49.9	49.9	<50.0	50.0	<49.9	49.9	<49.9	49.9	<49.9	49.9	<50.0	50.0						
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<50.0	50.0	<49.9	49.9	<49.9	49.9	<49.9	49.9	<50.0	50.0						
Total TPH		<49.9	49.9	<50.0	50.0	<49.9	49.9	<49.9	49.9	<49.9	49.9	<50.0	50.0						

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Holly Taylor
Project Manager

Certificate of Analysis Summary 660420

Larson and Associates, Inc., Midland, TX

Project Name: Gravitas SWD Chevron

Project Id: 20-0107-10
Contact: Mark Larson
Project Location:

Date Received in Lab: Fri 05.01.2020 13:23
Report Date: 05.11.2020 17:15
Project Manager: Holly Taylor

Analysis Requested																			
	Lab Id:	660420-017		660420-018		660420-019		660420-021		660420-022		660420-023							
	Field Id:	S-6 (1')		S-6 (3')		S-6 (5')		S-7 (1')		S-7 (3')		S-7 (5')							
	Depth:																		
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL							
	Sampled:	04.29.2020 10:30		04.29.2020 10:31		04.29.2020 10:35		04.29.2020 10:40		04.29.2020 10:41		04.29.2020 10:45							
BTEX by EPA 8021B	***Extracted:***	05.09.2020 16:00		05.09.2020 16:00				05.09.2020 16:00		05.09.2020 16:00									
	Analyzed:	05.10.2020 15:41		05.10.2020 16:01				05.10.2020 17:20		05.10.2020 17:40									
	Units/RL:	mg/kg	RL	mg/kg	RL			mg/kg	RL	mg/kg	RL								
Benzene		<0.00200	0.00200	<0.00199	0.00199			<0.00199	0.00199	<0.00198	0.00198								
Toluene		<0.00200	0.00200	<0.00199	0.00199			<0.00199	0.00199	<0.00198	0.00198								
Ethylbenzene		<0.00200	0.00200	<0.00199	0.00199			<0.00199	0.00199	<0.00198	0.00198								
m,p-Xylenes		<0.00399	0.00399	<0.00398	0.00398			<0.00398	0.00398	<0.00397	0.00397								
o-Xylene		<0.00200	0.00200	<0.00199	0.00199			<0.00199	0.00199	<0.00198	0.00198								
Total Xylenes		<0.00200	0.00200	<0.00199	0.00199			<0.00199	0.00199	<0.00198	0.00198								
Total BTEX		<0.00200	0.00200	<0.00199	0.00199			<0.00199	0.00199	<0.00198	0.00198								
Chloride by EPA 300	***Extracted:***	05.02.2020 14:45		05.02.2020 14:45		05.02.2020 14:45		05.02.2020 14:45		05.02.2020 14:45		05.03.2020 12:25							
	Analyzed:	05.03.2020 05:09		05.03.2020 03:24		05.03.2020 05:14		05.03.2020 03:34		05.03.2020 03:39		05.04.2020 12:26							
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL						
Chloride		248	5.04	103	5.02	52.1	5.00	77.1	24.9	61.7	4.99	11.9	4.99						
TPH by SW8015 Mod	***Extracted:***	05.02.2020 12:00		05.02.2020 12:00		05.02.2020 12:00		05.02.2020 12:00		05.02.2020 12:00		05.02.2020 12:00							
	Analyzed:	05.03.2020 16:26		05.03.2020 16:45		05.03.2020 17:05		05.03.2020 17:24		05.03.2020 17:45		05.03.2020 18:04							
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL						
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9						
Diesel Range Organics (DRO)		<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9						
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9						
Total TPH		<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9						

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Holly Taylor
Project Manager

Certificate of Analysis Summary 660420

Larson and Associates, Inc., Midland, TX

Project Name: Gravitas SWD Chevron

Project Id: 20-0107-10
Contact: Mark Larson
Project Location:

Date Received in Lab: Fri 05.01.2020 13:23
Report Date: 05.11.2020 17:15
Project Manager: Holly Taylor

Analysis Requested																			
	Lab Id:	660420-025		660420-026		660420-027		660420-029		660420-030		660420-031							
	Field Id:	S-8 (1')		S-8 (3')		S-8 (5')		S-1 (1')		S-1 (3')		S-1 (5')							
	Depth:																		
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL							
	Sampled:	04.29.2020 10:50		04.29.2020 10:51		04.29.2020 10:55		04.29.2020 11:46		04.29.2020 11:47		04.29.2020 11:48							
BTEX by EPA 8021B	***Extracted:***	05.09.2020 16:00		05.09.2020 16:00				05.09.2020 16:00		05.09.2020 16:00									
	Analyzed:	05.10.2020 18:00		05.10.2020 18:20				05.10.2020 18:40		05.10.2020 19:00									
	Units/RL:	mg/kg	RL	mg/kg	RL			mg/kg	RL	mg/kg	RL								
Benzene		<0.00198	0.00198	<0.00201	0.00201			<0.00200	0.00200	<0.00200	0.00200								
Toluene		<0.00198	0.00198	<0.00201	0.00201			<0.00200	0.00200	<0.00200	0.00200								
Ethylbenzene		<0.00198	0.00198	<0.00201	0.00201			<0.00200	0.00200	<0.00200	0.00200								
m,p-Xylenes		<0.00396	0.00396	<0.00402	0.00402			<0.00401	0.00401	<0.00399	0.00399								
o-Xylene		<0.00198	0.00198	<0.00201	0.00201			<0.00200	0.00200	<0.00200	0.00200								
Total Xylenes		<0.00198	0.00198	<0.00201	0.00201			<0.00200	0.00200	<0.00200	0.00200								
Total BTEX		<0.00198	0.00198	<0.00201	0.00201			<0.00200	0.00200	<0.00200	0.00200								
Chloride by EPA 300	***Extracted:***	05.03.2020 12:25		05.03.2020 12:25		05.03.2020 12:25		05.03.2020 12:25		05.03.2020 12:25		05.03.2020 12:25							
	Analyzed:	05.04.2020 12:33		05.04.2020 12:40		05.04.2020 12:46		05.04.2020 13:07		05.04.2020 13:14		05.04.2020 13:21							
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL						
Chloride		75.4	5.01	27.8	4.99	<4.99	4.99	<5.05	5.05	5.27	5.02	8.46	5.00						
TPH by SW8015 Mod	***Extracted:***	05.02.2020 12:00		05.02.2020 12:00		05.01.2020 16:00		05.01.2020 16:00		05.01.2020 16:00		05.01.2020 16:00							
	Analyzed:	05.03.2020 18:25		05.03.2020 18:44		05.02.2020 01:40		05.02.2020 02:02		05.02.2020 02:46		05.02.2020 03:08							
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL						
Gasoline Range Hydrocarbons (GRO)		<49.8	49.8	<50.0	50.0	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0						
Diesel Range Organics (DRO)		<49.8	49.8	<50.0	50.0	59.5	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0						
Motor Oil Range Hydrocarbons (MRO)		<49.8	49.8	<50.0	50.0	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0						
Total TPH		<49.8	49.8	<50.0	50.0	59.5	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0						

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Holly Taylor
Project Manager

Analytical Report 660420

for

Larson and Associates, Inc.

Project Manager: Mark Larson

Gravitas SWD Chevron

20-0107-10

05.11.2020

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-32), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (19-037-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (TX104704295-19-23), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-19-16)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-22)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-19-5)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)

05.11.2020

Project Manager: **Mark Larson**
Larson and Associates, Inc.
P. O. Box 50685
Midland, TX 79710

Reference: XENCO Report No(s): **660420**
Gravitas SWD Chevron
Project Address:

Mark Larson :

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 660420. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 660420 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Holly Taylor

Holly Taylor
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Sample Cross Reference 660420

Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
S-2 (1')	S	04.28.2020 13:00		660420-001
S-2 (3')	S	04.28.2020 13:01		660420-002
S-2 (5')	S	04.28.2020 13:10		660420-003
S-3 (1')	S	04.28.2020 14:05		660420-005
S-3 (3')	S	04.28.2020 14:06		660420-006
S-3 (5')	S	04.28.2020 14:15		660420-007
S-4 (1')	S	04.29.2020 09:20		660420-009
S-4 (3')	S	04.29.2020 09:21		660420-010
S-4 (5')	S	04.29.2020 09:30		660420-011
S-5 (1')	S	04.29.2020 10:00		660420-013
S-5 (3')	S	04.29.2020 10:01		660420-014
S-5 (5')	S	04.29.2020 10:10		660420-015
S-6 (1')	S	04.29.2020 10:30		660420-017
S-6 (3')	S	04.29.2020 10:31		660420-018
S-6 (5')	S	04.29.2020 10:35		660420-019
S-7 (1')	S	04.29.2020 10:40		660420-021
S-7 (3')	S	04.29.2020 10:41		660420-022
S-7 (5')	S	04.29.2020 10:45		660420-023
S-8 (1')	S	04.29.2020 10:50		660420-025
S-8 (3')	S	04.29.2020 10:51		660420-026
S-8 (5')	S	04.29.2020 10:55		660420-027
S-1 (1')	S	04.29.2020 11:46		660420-029
S-1 (3')	S	04.29.2020 11:47		660420-030
S-1 (5')	S	04.29.2020 11:48		660420-031
S-2 (10')	S	04.28.2020 13:11		Not Analyzed
S-3 (10')	S	04.28.2020 14:16		Not Analyzed
S-4 (10')	S	04.29.2020 09:31		Not Analyzed
S-5 (10')	S	04.29.2020 10:11		Not Analyzed
S-6 (10')	S	04.29.2020 10:36		Not Analyzed
S-7 (10')	S	04.29.2020 10:46		Not Analyzed
S-8 (10')	S	04.29.2020 10:56		Not Analyzed
S-1 (10')	S	04.29.2020 11:49		Not Analyzed

CASE NARRATIVE

Client Name: Larson and Associates, Inc.

Project Name: Gravitas SWD Chevron

Project ID: *20-0107-10*
Work Order Number(s): *660420*

Report Date: *05.11.2020*
Date Received: *05.01.2020*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3125562 BTEX by EPA 8021B

Surrogate 4-Bromofluorobenzene recovered below QC limits. Samples affected are: 7703069-1-BLK.

Certificate of Analytical Results 660420

Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id:	**S-2 (1')**	Matrix:	Soil	Date Received:	05.01.2020 13:23
Lab Sample Id:	660420-001	Date Collected:	04.28.2020 13:00		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	SPC	Date Prep:	05.02.2020 14:45	Basis:	Wet Weight
Seq Number:	3124969				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**109**	5.04	mg/kg	05.03.2020 03:55		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	05.02.2020 12:00	Basis:	Wet Weight
Seq Number:	3124916				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	05.03.2020 11:39	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	05.03.2020 11:39	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	05.03.2020 11:39	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	05.03.2020 11:39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	87	%	70-130	05.03.2020 11:39	
o-Terphenyl	84-15-1	89	%	70-130	05.03.2020 11:39	

Certificate of Analytical Results 660420

Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id:	**S-2 (1')**	Matrix:	Soil	Date Received:	05.01.2020 13:23
Lab Sample Id:	660420-001	Date Collected:	04.28.2020 13:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	05.09.2020 16:00	Basis:	Wet Weight
Seq Number:	3125562				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	05.10.2020 13:00	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	05.10.2020 13:00	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	05.10.2020 13:00	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	05.10.2020 13:00	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	05.10.2020 13:00	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	05.10.2020 13:00	U	1
Total BTEX		<0.00200	0.00200	mg/kg	05.10.2020 13:00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	75	%	70-130	05.10.2020 13:00	
1,4-Difluorobenzene	540-36-3	100	%	70-130	05.10.2020 13:00	

Certificate of Analytical Results 660420

Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id:	**S-2 (3')**	Matrix:	Soil	Date Received:	05.01.2020 13:23
Lab Sample Id:	660420-002	Date Collected:	04.28.2020 13:01		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	SPC	Date Prep:	05.02.2020 14:45	Basis:	Wet Weight
Seq Number:	3124969				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**82.4**	5.01	mg/kg	05.03.2020 04:00		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	05.02.2020 12:00	Basis:	Wet Weight
Seq Number:	3124916				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	05.03.2020 12:36	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	05.03.2020 12:36	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	05.03.2020 12:36	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	05.03.2020 12:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	86	%	70-130	05.03.2020 12:36	
o-Terphenyl	84-15-1	90	%	70-130	05.03.2020 12:36	

Certificate of Analytical Results 660420

Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id:	**S-2 (3')**	Matrix:	Soil	Date Received:	05.01.2020 13:23
Lab Sample Id:	660420-002	Date Collected:	04.28.2020 13:01		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	05.09.2020 16:00	Basis:	Wet Weight
Seq Number:	3125562				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	05.10.2020 13:20	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	05.10.2020 13:20	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	05.10.2020 13:20	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	05.10.2020 13:20	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	05.10.2020 13:20	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	05.10.2020 13:20	U	1
Total BTEX		<0.00198	0.00198	mg/kg	05.10.2020 13:20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	110	%	70-130	05.10.2020 13:20	
4-Bromofluorobenzene	460-00-4	85	%	70-130	05.10.2020 13:20	

Certificate of Analytical Results 660420

Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id:	**S-2 (5')**	Matrix:	Soil	Date Received:	05.01.2020 13:23
Lab Sample Id:	660420-003	Date Collected:	04.28.2020 13:10		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	SPC	Date Prep:	05.02.2020 14:45	Basis:	Wet Weight
Seq Number:	3124969				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**34.7**	4.99	mg/kg	05.03.2020 04:06		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	05.02.2020 12:00	Basis:	Wet Weight
Seq Number:	3124916				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	05.03.2020 12:55	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	05.03.2020 12:55	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	05.03.2020 12:55	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	05.03.2020 12:55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	94	%	70-130	05.03.2020 12:55	
o-Terphenyl	84-15-1	97	%	70-130	05.03.2020 12:55	

Certificate of Analytical Results 660420

Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id:	**S-3 (1')**	Matrix:	Soil	Date Received:	05.01.2020 13:23
Lab Sample Id:	660420-005	Date Collected:	04.28.2020 14:05		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	SPC	Date Prep:	05.02.2020 14:45	Basis:	Wet Weight
Seq Number:	3124969				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**23.9**	4.98	mg/kg	05.03.2020 04:11		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	05.02.2020 12:00	Basis:	Wet Weight
Seq Number:	3124916				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	05.03.2020 13:14	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	05.03.2020 13:14	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	05.03.2020 13:14	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	05.03.2020 13:14	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	89	%	70-130	05.03.2020 13:14	
o-Terphenyl	84-15-1	90	%	70-130	05.03.2020 13:14	

Certificate of Analytical Results 660420

Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id:	**S-3 (1')**	Matrix:	Soil	Date Received:	05.01.2020 13:23
Lab Sample Id:	660420-005	Date Collected:	04.28.2020 14:05		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	05.09.2020 16:00	Basis:	Wet Weight
Seq Number:	3125562				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	05.10.2020 13:40	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	05.10.2020 13:40	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	05.10.2020 13:40	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	05.10.2020 13:40	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	05.10.2020 13:40	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	05.10.2020 13:40	U	1
Total BTEX		<0.00200	0.00200	mg/kg	05.10.2020 13:40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	107	%	70-130	05.10.2020 13:40	
4-Bromofluorobenzene	460-00-4	97	%	70-130	05.10.2020 13:40	

Certificate of Analytical Results 660420

Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id:	**S-3 (3')**	Matrix:	Soil	Date Received:	05.01.2020 13:23
Lab Sample Id:	660420-006	Date Collected:	04.28.2020 14:06		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	SPC	Date Prep:	05.02.2020 14:45	Basis:	Wet Weight
Seq Number:	3124969				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**45.8**	4.98	mg/kg	05.03.2020 04:16		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	05.02.2020 12:00	Basis:	Wet Weight
Seq Number:	3124916				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	05.03.2020 13:33	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	05.03.2020 13:33	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	05.03.2020 13:33	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	05.03.2020 13:33	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	94	%	70-130	05.03.2020 13:33	
o-Terphenyl	84-15-1	96	%	70-130	05.03.2020 13:33	

Certificate of Analytical Results 660420

Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id:	**S-3 (3')**	Matrix:	Soil	Date Received:	05.01.2020 13:23
Lab Sample Id:	660420-006	Date Collected:	04.28.2020 14:06		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	05.09.2020 16:00	Basis:	Wet Weight
Seq Number:	3125562				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	05.10.2020 14:00	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	05.10.2020 14:00	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	05.10.2020 14:00	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	05.10.2020 14:00	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	05.10.2020 14:00	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	05.10.2020 14:00	U	1
Total BTEX		<0.00201	0.00201	mg/kg	05.10.2020 14:00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	106	%	70-130	05.10.2020 14:00	
4-Bromofluorobenzene	460-00-4	95	%	70-130	05.10.2020 14:00	

Certificate of Analytical Results 660420

Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id:	**S-3 (5')**	Matrix:	Soil	Date Received:	05.01.2020 13:23
Lab Sample Id:	660420-007	Date Collected:	04.28.2020 14:15		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	SPC	Date Prep:	05.02.2020 14:45	Basis:	Wet Weight
Seq Number:	3124969				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**135**	4.97	mg/kg	05.03.2020 04:21		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	05.02.2020 12:00	Basis:	Wet Weight
Seq Number:	3124916				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	05.03.2020 13:52	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	05.03.2020 13:52	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	05.03.2020 13:52	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	05.03.2020 13:52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	85	%	70-130	05.03.2020 13:52	
o-Terphenyl	84-15-1	86	%	70-130	05.03.2020 13:52	

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Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id:	**S-4 (1')**	Matrix:	Soil	Date Received:	05.01.2020 13:23
Lab Sample Id:	660420-009	Date Collected:	04.29.2020 09:20		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	SPC	Date Prep:	05.02.2020 14:45	Basis:	Wet Weight
Seq Number:	3124969				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**162**	4.98	mg/kg	05.03.2020 04:27		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	05.02.2020 12:00	Basis:	Wet Weight
Seq Number:	3124916				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	05.03.2020 14:11	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	05.03.2020 14:11	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	05.03.2020 14:11	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	05.03.2020 14:11	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	78	%	70-130	05.03.2020 14:11	
o-Terphenyl	84-15-1	79	%	70-130	05.03.2020 14:11	

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Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id:	**S-4 (1')**	Matrix:	Soil	Date Received:	05.01.2020 13:23
Lab Sample Id:	660420-009	Date Collected:	04.29.2020 09:20		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	05.09.2020 16:00	Basis:	Wet Weight
Seq Number:	3125562				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	05.10.2020 14:21	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	05.10.2020 14:21	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	05.10.2020 14:21	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	05.10.2020 14:21	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	05.10.2020 14:21	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	05.10.2020 14:21	U	1
Total BTEX		<0.00200	0.00200	mg/kg	05.10.2020 14:21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	86	%	70-130	05.10.2020 14:21	
1,4-Difluorobenzene	540-36-3	105	%	70-130	05.10.2020 14:21	

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Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id:	**S-4 (3')**	Matrix:	Soil	Date Received:	05.01.2020 13:23
Lab Sample Id:	660420-010	Date Collected:	04.29.2020 09:21		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	SPC	Date Prep:	05.02.2020 14:45	Basis:	Wet Weight
Seq Number:	3124969				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**372**	4.98	mg/kg	05.03.2020 04:32		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	05.02.2020 12:00	Basis:	Wet Weight
Seq Number:	3124916				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	05.03.2020 14:30	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	05.03.2020 14:30	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	05.03.2020 14:30	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	05.03.2020 14:30	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	94	%	70-130	05.03.2020 14:30	
o-Terphenyl	84-15-1	96	%	70-130	05.03.2020 14:30	

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Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id:	**S-4 (3')**	Matrix:	Soil	Date Received:	05.01.2020 13:23
Lab Sample Id:	660420-010	Date Collected:	04.29.2020 09:21		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	05.09.2020 16:00	Basis:	Wet Weight
Seq Number:	3125562				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	05.10.2020 14:41	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	05.10.2020 14:41	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	05.10.2020 14:41	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	05.10.2020 14:41	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	05.10.2020 14:41	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	05.10.2020 14:41	U	1
Total BTEX		<0.00198	0.00198	mg/kg	05.10.2020 14:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	93	%	70-130	05.10.2020 14:41	
1,4-Difluorobenzene	540-36-3	106	%	70-130	05.10.2020 14:41	

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Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id:	**S-4 (5')**	Matrix:	Soil	Date Received:	05.01.2020 13:23
Lab Sample Id:	660420-011	Date Collected:	04.29.2020 09:30		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	SPC	Date Prep:	05.02.2020 14:45	Basis:	Wet Weight
Seq Number:	3124969				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**22.8**	4.99	mg/kg	05.03.2020 04:37		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	05.02.2020 12:00	Basis:	Wet Weight
Seq Number:	3124916				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	05.03.2020 14:49	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	05.03.2020 14:49	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	05.03.2020 14:49	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	05.03.2020 14:49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	80	%	70-130	05.03.2020 14:49	
o-Terphenyl	84-15-1	82	%	70-130	05.03.2020 14:49	

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Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id:	**S-5 (1')**	Matrix:	Soil	Date Received:	05.01.2020 13:23
Lab Sample Id:	660420-013	Date Collected:	04.29.2020 10:00		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	SPC	Date Prep:	05.02.2020 14:45	Basis:	Wet Weight
Seq Number:	3124969				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**119**	5.04	mg/kg	05.03.2020 04:42		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	05.02.2020 12:00	Basis:	Wet Weight
Seq Number:	3124916				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	05.03.2020 15:09	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	05.03.2020 15:09	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	05.03.2020 15:09	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	05.03.2020 15:09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	93	%	70-130	05.03.2020 15:09	
o-Terphenyl	84-15-1	95	%	70-130	05.03.2020 15:09	

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Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id:	**S-5 (1')**	Matrix:	Soil	Date Received:	05.01.2020 13:23
Lab Sample Id:	660420-013	Date Collected:	04.29.2020 10:00		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	05.09.2020 16:00	Basis:	Wet Weight
Seq Number:	3125562				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	05.10.2020 15:01	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	05.10.2020 15:01	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	05.10.2020 15:01	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	05.10.2020 15:01	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	05.10.2020 15:01	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	05.10.2020 15:01	U	1
Total BTEX		<0.00199	0.00199	mg/kg	05.10.2020 15:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	105	%	70-130	05.10.2020 15:01	
4-Bromofluorobenzene	460-00-4	98	%	70-130	05.10.2020 15:01	

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Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id:	**S-5 (3')**	Matrix:	Soil	Date Received:	05.01.2020 13:23
Lab Sample Id:	660420-014	Date Collected:	04.29.2020 10:01		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	SPC	Date Prep:	05.02.2020 14:45	Basis:	Wet Weight
Seq Number:	3124969				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**27.1**	4.98	mg/kg	05.03.2020 04:58		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	05.02.2020 12:00	Basis:	Wet Weight
Seq Number:	3124916				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	05.03.2020 15:47	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	05.03.2020 15:47	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	05.03.2020 15:47	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	05.03.2020 15:47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	78	%	70-130	05.03.2020 15:47	
o-Terphenyl	84-15-1	80	%	70-130	05.03.2020 15:47	

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Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id:	**S-5 (3')**	Matrix:	Soil	Date Received:	05.01.2020 13:23
Lab Sample Id:	660420-014	Date Collected:	04.29.2020 10:01		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	05.09.2020 16:00	Basis:	Wet Weight
Seq Number:	3125562				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	05.10.2020 15:21	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	05.10.2020 15:21	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	05.10.2020 15:21	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	05.10.2020 15:21	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	05.10.2020 15:21	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	05.10.2020 15:21	U	1
Total BTEX		<0.00199	0.00199	mg/kg	05.10.2020 15:21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	100	%	70-130	05.10.2020 15:21	
1,4-Difluorobenzene	540-36-3	111	%	70-130	05.10.2020 15:21	

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Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id: **S-5 (5')** Matrix: Soil Date Received:05.01.2020 13:23

Lab Sample Id: 660420-015 Date Collected: 04.29.2020 10:10

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: SPC % Moisture:

Analyst: SPC Date Prep: 05.02.2020 14:45 Basis: Wet Weight

Seq Number: 3124969

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**7.59**	4.99	mg/kg	05.03.2020 05:04		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 05.02.2020 12:00 Basis: Wet Weight

Seq Number: 3124916

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	05.03.2020 16:06	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	05.03.2020 16:06	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	05.03.2020 16:06	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	05.03.2020 16:06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	90	%	70-130	05.03.2020 16:06	
o-Terphenyl	84-15-1	93	%	70-130	05.03.2020 16:06	

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Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id:	**S-6 (1')**	Matrix:	Soil	Date Received:	05.01.2020 13:23
Lab Sample Id:	660420-017	Date Collected:	04.29.2020 10:30		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	SPC	Date Prep:	05.02.2020 14:45	Basis:	Wet Weight
Seq Number:	3124969				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**248**	5.04	mg/kg	05.03.2020 05:09		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	05.02.2020 12:00	Basis:	Wet Weight
Seq Number:	3124916				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	05.03.2020 16:26	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	05.03.2020 16:26	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	05.03.2020 16:26	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	05.03.2020 16:26	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	80	%	70-130	05.03.2020 16:26	
o-Terphenyl	84-15-1	82	%	70-130	05.03.2020 16:26	

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Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id:	**S-6 (1')**	Matrix:	Soil	Date Received:	05.01.2020 13:23
Lab Sample Id:	660420-017	Date Collected:	04.29.2020 10:30		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	05.09.2020 16:00	Basis:	Wet Weight
Seq Number:	3125562				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	05.10.2020 15:41	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	05.10.2020 15:41	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	05.10.2020 15:41	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	05.10.2020 15:41	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	05.10.2020 15:41	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	05.10.2020 15:41	U	1
Total BTEX		<0.00200	0.00200	mg/kg	05.10.2020 15:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	108	%	70-130	05.10.2020 15:41	
4-Bromofluorobenzene	460-00-4	98	%	70-130	05.10.2020 15:41	

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Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id:	**S-6 (3')**	Matrix:	Soil	Date Received:	05.01.2020 13:23
Lab Sample Id:	660420-018	Date Collected:	04.29.2020 10:31		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	SPC	Date Prep:	05.02.2020 14:45	Basis:	Wet Weight
Seq Number:	3124969				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**103**	5.02	mg/kg	05.03.2020 03:24		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	05.02.2020 12:00	Basis:	Wet Weight
Seq Number:	3124916				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	05.03.2020 16:45	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	05.03.2020 16:45	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	05.03.2020 16:45	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	05.03.2020 16:45	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	83	%	70-130	05.03.2020 16:45	
o-Terphenyl	84-15-1	85	%	70-130	05.03.2020 16:45	

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Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id:	**S-6 (3')**	Matrix:	Soil	Date Received:	05.01.2020 13:23
Lab Sample Id:	660420-018	Date Collected:	04.29.2020 10:31		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	05.09.2020 16:00	Basis:	Wet Weight
Seq Number:	3125562				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	05.10.2020 16:01	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	05.10.2020 16:01	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	05.10.2020 16:01	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	05.10.2020 16:01	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	05.10.2020 16:01	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	05.10.2020 16:01	U	1
Total BTEX		<0.00199	0.00199	mg/kg	05.10.2020 16:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	104	%	70-130	05.10.2020 16:01	
4-Bromofluorobenzene	460-00-4	92	%	70-130	05.10.2020 16:01	

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Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id:	**S-6 (5')**	Matrix:	Soil	Date Received:	05.01.2020 13:23
Lab Sample Id:	660420-019	Date Collected:	04.29.2020 10:35		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	SPC	Date Prep:	05.02.2020 14:45	Basis:	Wet Weight
Seq Number:	3124969				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**52.1**	5.00	mg/kg	05.03.2020 05:14		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	05.02.2020 12:00	Basis:	Wet Weight
Seq Number:	3124916				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	05.03.2020 17:05	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	05.03.2020 17:05	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	05.03.2020 17:05	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	05.03.2020 17:05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	76	%	70-130	05.03.2020 17:05	
o-Terphenyl	84-15-1	78	%	70-130	05.03.2020 17:05	

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Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id:	**S-7 (1')**	Matrix:	Soil	Date Received:	05.01.2020 13:23
Lab Sample Id:	660420-021	Date Collected:	04.29.2020 10:40		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	SPC	Date Prep:	05.02.2020 14:45	Basis:	Wet Weight
Seq Number:	3124969				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**77.1**	24.9	mg/kg	05.03.2020 03:34		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	05.02.2020 12:00	Basis:	Wet Weight
Seq Number:	3124916				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	05.03.2020 17:24	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	05.03.2020 17:24	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	05.03.2020 17:24	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	05.03.2020 17:24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	81	%	70-130	05.03.2020 17:24	
o-Terphenyl	84-15-1	83	%	70-130	05.03.2020 17:24	

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Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id:	**S-7 (1')**	Matrix:	Soil	Date Received:	05.01.2020 13:23
Lab Sample Id:	660420-021	Date Collected:	04.29.2020 10:40		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	05.09.2020 16:00	Basis:	Wet Weight
Seq Number:	3125562				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	05.10.2020 17:20	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	05.10.2020 17:20	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	05.10.2020 17:20	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	05.10.2020 17:20	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	05.10.2020 17:20	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	05.10.2020 17:20	U	1
Total BTEX		<0.00199	0.00199	mg/kg	05.10.2020 17:20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	82	%	70-130	05.10.2020 17:20	
1,4-Difluorobenzene	540-36-3	101	%	70-130	05.10.2020 17:20	

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Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id:	**S-7 (3')**	Matrix:	Soil	Date Received:	05.01.2020 13:23
Lab Sample Id:	660420-022	Date Collected:	04.29.2020 10:41		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	SPC	Date Prep:	05.02.2020 14:45	Basis:	Wet Weight
Seq Number:	3124969				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**61.7**	4.99	mg/kg	05.03.2020 03:39		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	05.02.2020 12:00	Basis:	Wet Weight
Seq Number:	3124916				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	05.03.2020 17:45	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	05.03.2020 17:45	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	05.03.2020 17:45	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	05.03.2020 17:45	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	81	%	70-130	05.03.2020 17:45	
o-Terphenyl	84-15-1	83	%	70-130	05.03.2020 17:45	

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Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id:	**S-7 (3')**	Matrix:	Soil	Date Received:	05.01.2020 13:23
Lab Sample Id:	660420-022	Date Collected:	04.29.2020 10:41		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	05.09.2020 16:00	Basis:	Wet Weight
Seq Number:	3125562				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	05.10.2020 17:40	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	05.10.2020 17:40	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	05.10.2020 17:40	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	05.10.2020 17:40	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	05.10.2020 17:40	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	05.10.2020 17:40	U	1
Total BTEX		<0.00198	0.00198	mg/kg	05.10.2020 17:40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	90	%	70-130	05.10.2020 17:40	
1,4-Difluorobenzene	540-36-3	109	%	70-130	05.10.2020 17:40	

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Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id:	**S-7 (5')**	Matrix:	Soil	Date Received:	05.01.2020 13:23
Lab Sample Id:	660420-023	Date Collected:	04.29.2020 10:45		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	SPC	Date Prep:	05.03.2020 12:25	Basis:	Wet Weight
Seq Number:	3125096				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**11.9**	4.99	mg/kg	05.04.2020 12:26		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	05.02.2020 12:00	Basis:	Wet Weight
Seq Number:	3124916				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	05.03.2020 18:04	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	05.03.2020 18:04	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	05.03.2020 18:04	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	05.03.2020 18:04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	87	%	70-130	05.03.2020 18:04	
o-Terphenyl	84-15-1	87	%	70-130	05.03.2020 18:04	

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Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id: **S-8 (1')** Matrix: Soil Date Received:05.01.2020 13:23

Lab Sample Id: 660420-025 Date Collected: 04.29.2020 10:50

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: SPC % Moisture:

Analyst: SPC Date Prep: 05.03.2020 12:25 Basis: Wet Weight

Seq Number: 3125096

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**75.4**	5.01	mg/kg	05.04.2020 12:33		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 05.02.2020 12:00 Basis: Wet Weight

Seq Number: 3124916

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	05.03.2020 18:25	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	05.03.2020 18:25	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	05.03.2020 18:25	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	05.03.2020 18:25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	80	%	70-130	05.03.2020 18:25	
o-Terphenyl	84-15-1	82	%	70-130	05.03.2020 18:25	

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Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id:	**S-8 (1')**	Matrix:	Soil	Date Received:	05.01.2020 13:23
Lab Sample Id:	660420-025	Date Collected:	04.29.2020 10:50		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	05.09.2020 16:00	Basis:	Wet Weight
Seq Number:	3125562				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	05.10.2020 18:00	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	05.10.2020 18:00	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	05.10.2020 18:00	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	05.10.2020 18:00	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	05.10.2020 18:00	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	05.10.2020 18:00	U	1
Total BTEX		<0.00198	0.00198	mg/kg	05.10.2020 18:00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	85	%	70-130	05.10.2020 18:00	
1,4-Difluorobenzene	540-36-3	104	%	70-130	05.10.2020 18:00	

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Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id:	**S-8 (3')**	Matrix:	Soil	Date Received:	05.01.2020 13:23
Lab Sample Id:	660420-026	Date Collected:	04.29.2020 10:51		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	SPC	Date Prep:	05.03.2020 12:25	Basis:	Wet Weight
Seq Number:	3125096				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**27.8**	4.99	mg/kg	05.04.2020 12:40		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	05.02.2020 12:00	Basis:	Wet Weight
Seq Number:	3124916				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	05.03.2020 18:44	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	05.03.2020 18:44	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	05.03.2020 18:44	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	05.03.2020 18:44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-130	05.03.2020 18:44	
o-Terphenyl	84-15-1	92	%	70-130	05.03.2020 18:44	

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Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id:	**S-8 (3')**	Matrix:	Soil	Date Received:	05.01.2020 13:23
Lab Sample Id:	660420-026	Date Collected:	04.29.2020 10:51		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	05.09.2020 16:00	Basis:	Wet Weight
Seq Number:	3125562				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	05.10.2020 18:20	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	05.10.2020 18:20	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	05.10.2020 18:20	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	05.10.2020 18:20	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	05.10.2020 18:20	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	05.10.2020 18:20	U	1
Total BTEX		<0.00201	0.00201	mg/kg	05.10.2020 18:20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	89	%	70-130	05.10.2020 18:20	
1,4-Difluorobenzene	540-36-3	108	%	70-130	05.10.2020 18:20	

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Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id:	**S-8 (5')**	Matrix:	Soil	Date Received:	05.01.2020 13:23
Lab Sample Id:	660420-027	Date Collected:	04.29.2020 10:55		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	SPC	Date Prep:	05.03.2020 12:25	Basis:	Wet Weight
Seq Number:	3125096				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.99	4.99	mg/kg	05.04.2020 12:46	U	1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	05.01.2020 16:00	Basis:	Wet Weight
Seq Number:	3124876				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	05.02.2020 01:40	U	1
Diesel Range Organics (DRO)	C10C28DRO	**59.5**	50.0	mg/kg	05.02.2020 01:40		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	05.02.2020 01:40	U	1
Total TPH	PHC635	**59.5**	50.0	mg/kg	05.02.2020 01:40		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-130	05.02.2020 01:40	
o-Terphenyl	84-15-1	102	%	70-130	05.02.2020 01:40	

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Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id:	**S-1 (1')**	Matrix:	Soil	Date Received:	05.01.2020 13:23
Lab Sample Id:	660420-029	Date Collected:	04.29.2020 11:46		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	SPC	Date Prep:	05.03.2020 12:25	Basis:	Wet Weight
Seq Number:	3125096				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<5.05	5.05	mg/kg	05.04.2020 13:07	U	1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	05.01.2020 16:00	Basis:	Wet Weight
Seq Number:	3124876				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	05.02.2020 02:02	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	05.02.2020 02:02	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	05.02.2020 02:02	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	05.02.2020 02:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-130	05.02.2020 02:02	
o-Terphenyl	84-15-1	111	%	70-130	05.02.2020 02:02	

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Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id:	**S-1 (1')**	Matrix:	Soil	Date Received:	05.01.2020 13:23
Lab Sample Id:	660420-029	Date Collected:	04.29.2020 11:46		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	05.09.2020 16:00	Basis:	Wet Weight
Seq Number:	3125562				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	05.10.2020 18:40	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	05.10.2020 18:40	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	05.10.2020 18:40	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	05.10.2020 18:40	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	05.10.2020 18:40	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	05.10.2020 18:40	U	1
Total BTEX		<0.00200	0.00200	mg/kg	05.10.2020 18:40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	92	%	70-130	05.10.2020 18:40	
1,4-Difluorobenzene	540-36-3	104	%	70-130	05.10.2020 18:40	

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Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id:	**S-1 (3')**	Matrix:	Soil	Date Received:	05.01.2020 13:23
Lab Sample Id:	660420-030	Date Collected:	04.29.2020 11:47		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	SPC	Date Prep:	05.03.2020 12:25	Basis:	Wet Weight
Seq Number:	3125096				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**5.27**	5.02	mg/kg	05.04.2020 13:14		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	05.01.2020 16:00	Basis:	Wet Weight
Seq Number:	3124876				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	05.02.2020 02:46	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	05.02.2020 02:46	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	05.02.2020 02:46	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	05.02.2020 02:46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	101	%	70-130	05.02.2020 02:46	
o-Terphenyl	84-15-1	107	%	70-130	05.02.2020 02:46	

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Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id:	**S-1 (3')**	Matrix:	Soil	Date Received:	05.01.2020 13:23
Lab Sample Id:	660420-030	Date Collected:	04.29.2020 11:47		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	05.09.2020 16:00	Basis:	Wet Weight
Seq Number:	3125562				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	05.10.2020 19:00	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	05.10.2020 19:00	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	05.10.2020 19:00	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	05.10.2020 19:00	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	05.10.2020 19:00	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	05.10.2020 19:00	U	1
Total BTEX		<0.00200	0.00200	mg/kg	05.10.2020 19:00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	109	%	70-130	05.10.2020 19:00	
4-Bromofluorobenzene	460-00-4	99	%	70-130	05.10.2020 19:00	

Certificate of Analytical Results 660420

Larson and Associates, Inc., Midland, TX

Gravitas SWD Chevron

Sample Id:	**S-1 (5')**	Matrix:	Soil	Date Received:	05.01.2020 13:23
Lab Sample Id:	660420-031	Date Collected:	04.29.2020 11:48		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	SPC	Date Prep:	05.03.2020 12:25	Basis:	Wet Weight
Seq Number:	3125096				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**8.46**	5.00	mg/kg	05.04.2020 13:21		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	05.01.2020 16:00	Basis:	Wet Weight
Seq Number:	3124876				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	05.02.2020 03:08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	05.02.2020 03:08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	05.02.2020 03:08	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	05.02.2020 03:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-130	05.02.2020 03:08	
o-Terphenyl	84-15-1	110	%	70-130	05.02.2020 03:08	

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 660420

Larson and Associates, Inc.

Gravitas SWD Chevron

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3124969 — Matrix: Solid — Date Prep: 05.02.2020
MB Sample Id: 7702592-1-BLK — LCS Sample Id: 7702592-1-BKS — LCSD Sample Id: 7702592-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	247	99	231	92	90-110	7	20	mg/kg	05.03.2020 12:29	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3125096 — Matrix: Solid — Date Prep: 05.03.2020
MB Sample Id: 7702596-1-BLK — LCS Sample Id: 7702596-1-BKS — LCSD Sample Id: 7702596-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	272	109	271	108	90-110	0	20	mg/kg	05.04.2020 11:52	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3124969 — Matrix: Soil — Date Prep: 05.02.2020
Parent Sample Id: 660382-001 — MS Sample Id: 660382-001 S — MSD Sample Id: 660382-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	281	250	537	102	492	84	90-110	9	20	mg/kg	05.03.2020 01:22	X

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3124969 — Matrix: Soil — Date Prep: 05.02.2020
Parent Sample Id: 660382-002 — MS Sample Id: 660382-002 S — MSD Sample Id: 660382-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	150	248	408	104	388	96	90-110	5	20	mg/kg	05.03.2020 02:36	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3125096 — Matrix: Soil — Date Prep: 05.03.2020
Parent Sample Id: 660426-001 — MS Sample Id: 660426-001 S — MSD Sample Id: 660426-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	44.6	252	307	104	309	105	90-110	1	20	mg/kg	05.04.2020 12:12	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3125096 — Matrix: Soil — Date Prep: 05.03.2020
Parent Sample Id: 660426-002 — MS Sample Id: 660426-002 S — MSD Sample Id: 660426-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	148	248	409	105	409	105	90-110	0	20	mg/kg	05.04.2020 13:48	

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 660420

Larson and Associates, Inc.

Gravitas SWD Chevron

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3124876 — Matrix: Solid — Date Prep: 05.01.2020
MB Sample Id: 7702565-1-BLK — LCS Sample Id: 7702565-1-BKS — LCSD Sample Id: 7702565-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1120	112	1090	109	70-130	3	20	mg/kg	05.01.2020 21:17	
Diesel Range Organics (DRO)	<50.0	1000	1190	119	1170	117	70-130	2	20	mg/kg	05.01.2020 21:17	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	99		115		124		70-130	%	05.01.2020 21:17
o-Terphenyl	109		114		111		70-130	%	05.01.2020 21:17

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3124916 — Matrix: Solid — Date Prep: 05.02.2020
MB Sample Id: 7702630-1-BLK — LCS Sample Id: 7702630-1-BKS — LCSD Sample Id: 7702630-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	902	90	891	89	70-130	1	20	mg/kg	05.03.2020 11:02	
Diesel Range Organics (DRO)	<50.0	1000	950	95	947	95	70-130	0	20	mg/kg	05.03.2020 11:02	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	76		90		94		70-130	%	05.03.2020 11:02
o-Terphenyl	79		86		82		70-130	%	05.03.2020 11:02

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3124876 — Matrix: Solid — Date Prep: 05.01.2020
MB Sample Id: 7702565-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	05.01.2020 20:56	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3124916 — Matrix: Solid — Date Prep: 05.02.2020
MB Sample Id: 7702630-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	05.03.2020 10:43	

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 660420

Larson and Associates, Inc.

Gravitas SWD Chevron

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3124876 Matrix: Soil Date Prep: 05.01.2020
Parent Sample Id: 660426-039 MS Sample Id: 660426-039 S MSD Sample Id: 660426-039 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	997	1140	114	1160	116	70-130	2	20	mg/kg	05.01.2020 22:23	
Diesel Range Organics (DRO)	129	997	1290	116	1300	117	70-130	1	20	mg/kg	05.01.2020 22:23	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	109		110		70-130	%	05.01.2020 22:23
o-Terphenyl	111		111		70-130	%	05.01.2020 22:23

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3124916 Matrix: Soil Date Prep: 05.02.2020
Parent Sample Id: 660420-001 MS Sample Id: 660420-001 S MSD Sample Id: 660420-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	998	999	100	857	86	70-130	15	20	mg/kg	05.03.2020 11:58	
Diesel Range Organics (DRO)	<49.9	998	1090	109	1010	101	70-130	8	20	mg/kg	05.03.2020 11:58	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	103		94		70-130	%	05.03.2020 11:58
o-Terphenyl	93		85		70-130	%	05.03.2020 11:58

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3125562 Matrix: Solid Date Prep: 05.09.2020
MB Sample Id: 7703069-1-BLK LCS Sample Id: 7703069-1-BKS LCSD Sample Id: 7703069-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.102	102	0.0967	97	70-130	5	35	mg/kg	05.10.2020 10:42	
Toluene	<0.00200	0.100	0.101	101	0.0956	96	70-130	5	35	mg/kg	05.10.2020 10:42	
Ethylbenzene	<0.00200	0.100	0.104	104	0.0987	99	70-130	5	35	mg/kg	05.10.2020 10:42	
m,p-Xylenes	<0.00400	0.200	0.200	100	0.189	95	70-130	6	35	mg/kg	05.10.2020 10:42	
o-Xylene	<0.00200	0.100	0.0957	96	0.0915	92	70-130	4	35	mg/kg	05.10.2020 10:42	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	87		106		102		70-130	%	05.10.2020 10:42
4-Bromofluorobenzene	54	**	100		100		70-130	%	05.10.2020 10:42

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

QC Summary 660420

Larson and Associates, Inc.

Gravitas SWD Chevron

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A

Seq Number: 3125562 Matrix: Soil Date Prep: 05.09.2020

Parent Sample Id: 660420-013 MS Sample Id: 660420-013 S MSD Sample Id: 660420-013 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00198	0.0990	0.0987	100	0.109	109	70-130	10	35	mg/kg	05.10.2020 11:22	
Toluene	<0.00198	0.0990	0.108	109	0.107	107	70-130	1	35	mg/kg	05.10.2020 11:22	
Ethylbenzene	<0.00198	0.0990	0.116	117	0.110	110	70-130	5	35	mg/kg	05.10.2020 11:22	
m,p-Xylenes	<0.00396	0.198	0.222	112	0.210	106	70-130	6	35	mg/kg	05.10.2020 11:22	
o-Xylene	<0.00198	0.0990	0.104	105	0.0991	99	70-130	5	35	mg/kg	05.10.2020 11:22	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	109		106		70-130	%	05.10.2020 11:22
4-Bromofluorobenzene	102		103		70-130	%	05.10.2020 11:22

MS/MSD Percent Recovery [D] = 100*(C-A) / B LCS = Laboratory Control Sample MS = Matrix Spike

Relative Percent Difference RPD = 200* | (C-E) / (C+E) | A = Parent Result B = Spike Added

LCS/LCSD Recovery [D] = 100 * (C) / [B] C = MS/LCS Result D = MSD/LCSD % Rec

Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample) E = MSD/LCSD Result

№ 1147

660420

CHAIN-OF-CUSTODY

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

DATE: 5/1/2020 PAGE 1 OF 3

PO#: LAB WORK ORDER#:

PROJECT LOCATION OR NAME: Gravitas SWD, Chevron

LAI PROJECT #: 20-0107-10 COLLECTOR: EC/DS

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 ☐ | TCLP - 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	GASOLINE MOD 8015	DIESEL - MOD 8015	CHLORIDE	FIELD NOTES
S-2 (1')		4/28/20	1300	S					X		X	X	X	X	X	
S-2 (3')			1301													
S-2 (5')			1310													
S-2 (10')			1311													hold 10' depth
S-3 (1')			1405								X	X	X	X	X	
S-3 (3')			1406													
S-3 (5')			1415													
S-3 (10')			1416													hold 10' depth
S-4 (1')		4/29/20	920								X	X	X	X	X	
S-4 (3')			921													
S-4 (5')			930													
S-4 (10')			931													hold 10' depth
S-5 (1')			1000								X	X	X	X	X	
S-5 (3')			1001													
S-5 (5')			1010													

TOTAL 15

RELINQUISHED BY:(Signature) DATE/TIME 5/1/23 RECEIVED BY: (Signature)

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

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

LABORATORY: Xenco

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

LABORATORY USE ONLY:
RECEIVING TEMP: 0.4/0.3 THERM#: 89
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL #
☐ HAND DELIVERED

Wlcm20

№1148

CHAIN-OF-CUSTODY

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

DATE: 5/1/2020 PAGE 2 OF 3

PO#: LAB WORK ORDER#:

PROJECT LOCATION OR NAME: Gravitas SWD, chevron

LAI PROJECT #: 20-0107-10 COLLECTOR: EC/DS

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 ☐ 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 ☐

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	BTEX ☒	GASOLINE MOD 8015 ☒	DIESEL - MOD 8015 ☒	OIL - MOD 8015 ☒	CHLORIDES ☒	FIELD NOTES
S-5 (10')		4/29/20	1011	S	1				X		X	X	X	X	X	hold 10' depth
S-6 (1')			1030													
S-6 (3')			1031													
S-6 (5')			1035													
S-6 (10')			1036													hold 10' depth
S-7 (1')			1040								X	X	X	X	X	
S-7 (3')			1041													
S-7 (5')			1045													
S-7 (10')			1046													hold 10' depth
S-8 (1')			1050								X	X	X	X	X	
S-8 (3')			1051													
S-8 (5')			1055													
S-8 (10')			1056													hold 10' depth
S-1 (1')			1146								X	X	X	X	X	
S-1 (3')			1147													

TOTAL 15

RELINQUISHED BY:(Signature) DATE/TIME 5/1.23 RECEIVED BY: (Signature)

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

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

LABORATORY: Xenco

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

LABORATORY USE ONLY:
RECEIVING TEMP: 0.1/0.2 THERM#: 69
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL #
☐ HAND DELIVERED

№1149

1LE0420

CHAIN-OF-CUSTODY

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

DATE: 5/1/2020 PAGE 3 OF 3

PO#: LAB WORK ORDER#:

PROJECT LOCATION OR NAME: Gravitas SWD, Chavon

LAI PROJECT #: 200107-10 COLLECTOR: EC/DS

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 X MTBE ☐	TRPH 418.1 ☐	TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 X	DIESEL - MOD 8015 X	OIL - MOD 8015 X	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 X ANIONS ☐ ALKALINITY ☐	FIELD NOTES
~~S-5 (~~			~~1142~~																												
S-1 (5')		4/29/20	1148	S	1				X					X	X	X												X			
S-1 (10')		4/29/20	1149	S	1				X																						hold 10' depth
TOTAL					2																										

RELINQUISHED BY:(Signature) DATE/TIME 5/1/23 RECEIVED BY: (Signature)

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

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

LABORATORY: Xenco

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

LABORATORY USE ONLY:
RECEIVING TEMP: 0.1/0.3 THERM#: R9
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL #
☐ HAND DELIVERED

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Larson and Associates, Inc.

Date/ Time Received: 05.01.2020 01.23.00 PM

Work Order #: 660420

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R9

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	.3	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**	
#5 Custody Seals intact on sample bottles?	**N/A**	
#6*Custody Seals Signed and dated?	**N/A**	
#7 *Chain of Custody present?	**Yes**	
#8 Any missing/extra samples?	**No**	
#9 Chain of Custody signed when relinquished/ received?	**Yes**	
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**	
#11 Container label(s) legible and intact?	**Yes**	
#12 Samples in proper container/ bottle?	**Yes**	BTEX was in bulk container
#13 Samples properly preserved?	**Yes**	
#14 Sample container(s) intact?	**Yes**	
#15 Sufficient sample amount for indicated test(s)?	**Yes**	
#16 All samples received within hold time?	**Yes**	
#17 Subcontract of sample(s)?	**N/A**	
#18 Water VOC samples have zero headspace?	**N/A**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Brianna Teel Date: 05.01.2020
Brianna Teel

Checklist reviewed by: Holly Taylor Date: 05.01.2020
Holly Taylor

Certificate of Analysis Summary 661564

Larson and Associates, Inc., Midland, TX

Project Name: Gravitas SWD,Chevron

Project Id: 20-0107-10
Contact: Mark Larson
Project Location:

Date Received in Lab: Thu 05.14.2020 10:44
Report Date: 05.19.2020 14:14
Project Manager: Holly Taylor

Analysis Requested									
	Lab Id:	661564-001		661564-002					
	Field Id:	SP-9 (0-0.5')		SP-9 (0.5-1')					
	Depth:								
	Matrix:	SOIL		SOIL					
	Sampled:	05.13.2020 12:15		05.13.2020 12:16					
BTEX by EPA 8021B	***Extracted:***	05.18.2020 08:00		05.18.2020 08:00					
	Analyzed:	05.18.2020 23:10		05.19.2020 00:29					
	Units/RL:	mg/kg	RL	mg/kg	RL				
Benzene		<0.00198	0.00198	<0.00199	0.00199				
Toluene		<0.00198	0.00198	<0.00199	0.00199				
Ethylbenzene		<0.00198	0.00198	<0.00199	0.00199				
m,p-Xylenes		<0.00396	0.00396	<0.00398	0.00398				
o-Xylene		<0.00198	0.00198	<0.00199	0.00199				
Total Xylenes		<0.00198	0.00198	<0.00199	0.00199				
Total BTEX		<0.00198	0.00198	<0.00199	0.00199				
Chloride by EPA 300	***Extracted:***	05.15.2020 13:30		05.15.2020 13:30					
	Analyzed:	05.16.2020 00:05		05.16.2020 00:11					
	Units/RL:	mg/kg	RL	mg/kg	RL				
Chloride		537	25.1	364	24.9				
TPH by SW8015 Mod	***Extracted:***	05.14.2020 17:00		05.14.2020 17:00					
	Analyzed:	05.15.2020 15:52		05.15.2020 16:12					
	Units/RL:	mg/kg	RL	mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<49.9	49.9				
Diesel Range Organics (DRO)		<50.0	50.0	<49.9	49.9				
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<49.9	49.9				
Total TPH		<50.0	50.0	<49.9	49.9				

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Holly Taylor
Project Manager

Analytical Report 661564

for

Larson and Associates, Inc.

Project Manager: Mark Larson

Gravitas SWD,Chevron

20-0107-10

05.19.2020

Collected By: Client

1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-32), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (TX104704295-19-23), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-19-16)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-22)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-19-5)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)

05.19.2020

Project Manager: **Mark Larson**
Larson and Associates, Inc.
P. O. Box 50685
Midland, TX 79710

Reference: XENCO Report No(s): **661564**
Gravitas SWD,Chevron
Project Address:

Mark Larson :

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 661564. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 661564 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Holly Taylor

Holly Taylor
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Sample Cross Reference 661564

Larson and Associates, Inc., Midland, TX

Gravitas SWD,Chevron

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SP-9 (0-0.5')	S	05.13.2020 12:15		661564-001
SP-9 (0.5-1')	S	05.13.2020 12:16		661564-002

CASE NARRATIVE

Client Name: Larson and Associates, Inc.

Project Name: Gravitas SWD,Chevron

Project ID: *20-0107-10*
Work Order Number(s): *661564*

Report Date: *05.19.2020*
Date Received: *05.14.2020*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3126361 BTEX by EPA 8021B

Surrogate 4-Bromofluorobenzene recovered below QC limits. Samples affected are: 7703609-1-BLK.

Certificate of Analytical Results 661564

Larson and Associates, Inc., Midland, TX

Gravitas SWD,Chevron

Sample Id:	**SP-9 (0-0.5')**	Matrix:	Soil	Date Received:	05.14.2020 10:44
Lab Sample Id:	661564-001	Date Collected:	05.13.2020 12:15		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	SPC			% Moisture:	
Analyst:	SPC	Date Prep:	05.15.2020 13:30	Basis:	Wet Weight
Seq Number:	3126150				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**537**	25.1	mg/kg	05.16.2020 00:05		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DVM			% Moisture:	
Analyst:	ARM	Date Prep:	05.14.2020 17:00	Basis:	Wet Weight
Seq Number:	3126160				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	05.15.2020 15:52	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	05.15.2020 15:52	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	05.15.2020 15:52	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	05.15.2020 15:52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-130	05.15.2020 15:52	
o-Terphenyl	84-15-1	105	%	70-130	05.15.2020 15:52	

Certificate of Analytical Results 661564

Larson and Associates, Inc., Midland, TX

Gravitas SWD,Chevron

Sample Id:	**SP-9 (0-0.5')**	Matrix:	Soil	Date Received:	05.14.2020 10:44
Lab Sample Id:	661564-001	Date Collected:	05.13.2020 12:15		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	05.18.2020 08:00	Basis:	Wet Weight
Seq Number:	3126361				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	05.18.2020 23:10	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	05.18.2020 23:10	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	05.18.2020 23:10	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	05.18.2020 23:10	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	05.18.2020 23:10	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	05.18.2020 23:10	U	1
Total BTEX		<0.00198	0.00198	mg/kg	05.18.2020 23:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	91	%	70-130	05.18.2020 23:10	
1,4-Difluorobenzene	540-36-3	102	%	70-130	05.18.2020 23:10	

Certificate of Analytical Results 661564

Larson and Associates, Inc., Midland, TX

Gravitas SWD,Chevron

Sample Id: **SP-9 (0.5-1')** Matrix: Soil Date Received:05.14.2020 10:44

Lab Sample Id: 661564-002 Date Collected: 05.13.2020 12:16

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: SPC % Moisture:

Analyst: SPC Date Prep: 05.15.2020 13:30 Basis: Wet Weight

Seq Number: 3126150

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**364**	24.9	mg/kg	05.16.2020 00:11		5

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DVM % Moisture:

Analyst: ARM Date Prep: 05.14.2020 17:00 Basis: Wet Weight

Seq Number: 3126160

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	05.15.2020 16:12	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	05.15.2020 16:12	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	05.15.2020 16:12	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	05.15.2020 16:12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-130	05.15.2020 16:12	
o-Terphenyl	84-15-1	104	%	70-130	05.15.2020 16:12	

Certificate of Analytical Results 661564

Larson and Associates, Inc., Midland, TX

Gravitas SWD,Chevron

Sample Id:	**SP-9 (0.5-1')**	Matrix:	Soil	Date Received:	05.14.2020 10:44
Lab Sample Id:	661564-002	Date Collected:	05.13.2020 12:16		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	KTL			% Moisture:	
Analyst:	KTL	Date Prep:	05.18.2020 08:00	Basis:	Wet Weight
Seq Number:	3126361				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	05.19.2020 00:29	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	05.19.2020 00:29	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	05.19.2020 00:29	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	05.19.2020 00:29	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	05.19.2020 00:29	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	05.19.2020 00:29	U	1
Total BTEX		<0.00199	0.00199	mg/kg	05.19.2020 00:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	81	%	70-130	05.19.2020 00:29	
1,4-Difluorobenzene	540-36-3	99	%	70-130	05.19.2020 00:29	

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 661564

Larson and Associates, Inc.

Gravitas SWD,Chevron

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3126150 — Matrix: Solid — Date Prep: 05.15.2020
MB Sample Id: 7703420-1-BLK — LCS Sample Id: 7703420-1-BKS — LCSD Sample Id: 7703420-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	242	97	247	99	90-110	2	20	mg/kg	05.15.2020 21:36	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3126150 — Matrix: Soil — Date Prep: 05.15.2020
Parent Sample Id: 661601-001 — MS Sample Id: 661601-001 S — MSD Sample Id: 661601-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	18.3	252	264	98	260	96	90-110	2	20	mg/kg	05.15.2020 21:53	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3126150 — Matrix: Soil — Date Prep: 05.15.2020
Parent Sample Id: 661621-012 — MS Sample Id: 661621-012 S — MSD Sample Id: 661621-012 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	170	249	416	99	415	98	90-110	0	20	mg/kg	05.15.2020 23:13	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3126160 — Matrix: Solid — Date Prep: 05.14.2020
MB Sample Id: 7703367-1-BLK — LCS Sample Id: 7703367-1-BKS — LCSD Sample Id: 7703367-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	934	93	928	93	70-130	1	20	mg/kg	05.15.2020 08:53	
Diesel Range Organics (DRO)	<50.0	1000	897	90	897	90	70-130	0	20	mg/kg	05.15.2020 08:53	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	101		117		117		70-130	%	05.15.2020 08:53
o-Terphenyl	107		111		112		70-130	%	05.15.2020 08:53

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3126160 — Matrix: Solid — Date Prep: 05.14.2020
MB Sample Id: 7703367-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	05.15.2020 08:34	

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

QC Summary 661564

Larson and Associates, Inc.

Gravitas SWD,Chevron

Analytical Method: TPH by SW8015 Mod | Prep Method: SW8015P
Seq Number: 3126160 | Matrix: Soil | Date Prep: 05.14.2020
Parent Sample Id: 661563-001 | MS Sample Id: 661563-001 S | MSD Sample Id: 661563-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.8	996	923	93	933	94	70-130	1	20	mg/kg	05.15.2020 09:50	
Diesel Range Organics (DRO)	<49.8	996	903	91	913	92	70-130	1	20	mg/kg	05.15.2020 09:50	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	115		119		70-130	%	05.15.2020 09:50
o-Terphenyl	108		108		70-130	%	05.15.2020 09:50

Analytical Method: BTEX by EPA 8021B | Prep Method: SW5035A
Seq Number: 3126361 | Matrix: Solid | Date Prep: 05.18.2020
MB Sample Id: 7703609-1-BLK | LCS Sample Id: 7703609-1-BKS | LCSD Sample Id: 7703609-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0989	99	0.119	119	70-130	18	35	mg/kg	05.18.2020 17:29	
Toluene	<0.00200	0.100	0.103	103	0.110	110	70-130	7	35	mg/kg	05.18.2020 17:29	
Ethylbenzene	<0.00200	0.100	0.109	109	0.114	114	70-130	4	35	mg/kg	05.18.2020 17:29	
m,p-Xylenes	<0.00400	0.200	0.203	102	0.212	106	70-130	4	35	mg/kg	05.18.2020 17:29	
o-Xylene	<0.00200	0.100	0.0989	99	0.103	103	70-130	4	35	mg/kg	05.18.2020 17:29	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	85		96		101		70-130	%	05.18.2020 17:29
4-Bromofluorobenzene	55	**	124		122		70-130	%	05.18.2020 17:29

Analytical Method: BTEX by EPA 8021B | Prep Method: SW5035A
Seq Number: 3126361 | Matrix: Soil | Date Prep: 05.18.2020
Parent Sample Id: 661697-011 | MS Sample Id: 661697-011 S | MSD Sample Id: 661697-011 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00199	0.0996	0.0931	93	0.0841	84	70-130	10	35	mg/kg	05.18.2020 18:28	
Toluene	<0.00199	0.0996	0.0927	93	0.0891	89	70-130	4	35	mg/kg	05.18.2020 18:28	
Ethylbenzene	<0.00199	0.0996	0.0900	90	0.0894	90	70-130	1	35	mg/kg	05.18.2020 18:28	
m,p-Xylenes	<0.00398	0.199	0.166	83	0.164	82	70-130	1	35	mg/kg	05.18.2020 18:28	
o-Xylene	<0.00199	0.0996	0.0822	83	0.0802	80	70-130	2	35	mg/kg	05.18.2020 18:28	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	97		102		70-130	%	05.18.2020 18:28
4-Bromofluorobenzene	113		94		70-130	%	05.18.2020 18:28

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

№ 1151

lab 1564

CHAIN-OF-CUSTODY

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

DATE: 5/14/2020 PAGE 1 OF 1

PO#: LAB WORK ORDER#:

PROJECT LOCATION OR NAME: Gravitas SWD, Chevron

LAI PROJECT #: 20-0107-10 COLLECTOR: RO

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	UNPRESERVED	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 ☐	FIELD NOTES
S-9 (0-0.5')		5/13/20	12:15	S	1				X		X		X	X	X													X	
S-9 (0.5-1')		5/13/20	12:16	S	1				X		X		X	X	X													X	

TOTAL 2

RELINQUISHED BY:(Signature) Rachel Owen DATE/TIME 5-14-20/1033 RECEIVED BY: (Signature)

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

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

LABORATORY: Xenco

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

LABORATORY USE ONLY:
RECEIVING TEMP: 3.6/3.3 THERM#: R9
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL #
☐ HAND DELIVERED

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Larson and Associates, Inc.

Date/ Time Received: 05.14.2020 10.44.00 AM

Work Order #: 661564

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R9

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	3.3	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**	
#5 Custody Seals intact on sample bottles?	**N/A**	
#6*Custody Seals Signed and dated?	**N/A**	
#7 *Chain of Custody present?	**Yes**	
#8 Any missing/extra samples?	**No**	
#9 Chain of Custody signed when relinquished/ received?	**Yes**	
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**	
#11 Container label(s) legible and intact?	**Yes**	
#12 Samples in proper container/ bottle?	**Yes**	BTEX was in bulk container
#13 Samples properly preserved?	**Yes**	
#14 Sample container(s) intact?	**Yes**	
#15 Sufficient sample amount for indicated test(s)?	**Yes**	
#16 All samples received within hold time?	**Yes**	
#17 Subcontract of sample(s)?	**N/A**	
#18 Water VOC samples have zero headspace?	**N/A**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Brianna Teel Date: 05.14.2020
Brianna Teel

Checklist reviewed by: Holly Taylor Date: 05.18.2020
Holly Taylor

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Certificate of Analysis Summary 683351

Larson and Associates, Inc., Midland, TX

Project Name: Gravitas SWD

Project Id: 20-0107-10
Contact: Mark Larson
Project Location:

Date Received in Lab: Mon 01.04.2021 16:40
Report Date: 01.07.2021 10:22
Project Manager: Holly Taylor

Analysis Requested													
	Lab Id:	683351-001		683351-002		683351-003		683351-004		683351-005		683351-006	
	Field Id:	SW-N+W		SW-S+E		C-1		C-2		C-3		Backfill	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.04.2021 11:30		01.04.2021 11:32		01.04.2021 11:34		01.04.2021 11:36		01.04.2021 11:38		01.04.2021 12:35	
BTEX by EPA 8021B	***Extracted:***	01.05.2021 13:00		01.05.2021 13:00		01.05.2021 13:00		01.05.2021 13:00		01.05.2021 13:00		01.05.2021 13:00	
	Analyzed:	01.05.2021 16:02		01.05.2021 16:24		01.05.2021 16:47		01.05.2021 17:09		01.05.2021 18:27		01.05.2021 18:49	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00199	0.00199	<0.00202	0.00202	<0.00201	0.00201	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200
Toluene		<0.00199	0.00199	<0.00202	0.00202	<0.00201	0.00201	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200
Ethylbenzene		<0.00199	0.00199	<0.00202	0.00202	<0.00201	0.00201	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200
m,p-Xylenes		<0.00398	0.00398	<0.00404	0.00404	<0.00402	0.00402	<0.00403	0.00403	<0.00400	0.00400	<0.00401	0.00401
o-Xylene		<0.00199	0.00199	<0.00202	0.00202	<0.00201	0.00201	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200
Total Xylenes		<0.00199	0.00199	<0.00202	0.00202	<0.00201	0.00201	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200
Total BTEX		<0.00199	0.00199	<0.00202	0.00202	<0.00201	0.00201	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200
Chloride by EPA 300	***Extracted:***	01.05.2021 13:00		01.05.2021 13:00		01.05.2021 13:00		01.05.2021 13:00		01.05.2021 13:00		01.05.2021 13:00	
	Analyzed:	01.05.2021 16:30		01.05.2021 16:36		01.05.2021 16:42		01.05.2021 16:48		01.05.2021 16:54		01.05.2021 16:59	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		1200	9.98	<9.96	9.96	<10.1	10.1	<10.1	10.1	17.5	10.1	15.7	10.0
TPH by SW8015 Mod	***Extracted:***	01.05.2021 15:00		01.05.2021 15:00		01.05.2021 15:00		01.05.2021 15:00		01.05.2021 15:00		01.05.2021 15:00	
	Analyzed:	01.05.2021 17:53		01.05.2021 18:53		01.05.2021 19:14		01.05.2021 19:34		01.05.2021 19:54		01.05.2021 20:14	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.8	49.8	<50.1	50.1	<50.1	50.1	<50.1	50.1	<49.8	49.8	<50.2	50.2
Diesel Range Organics (DRO)		<49.8	49.8	<50.1	50.1	<50.1	50.1	<50.1	50.1	<49.8	49.8	<50.2	50.2
Motor Oil Range Hydrocarbons (MRO)		<49.8	49.8	<50.1	50.1	<50.1	50.1	<50.1	50.1	<49.8	49.8	<50.2	50.2
Total TPH		<49.8	49.8	<50.1	50.1	<50.1	50.1	<50.1	50.1	<49.8	49.8	<50.2	50.2

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Analytical Report 683351

for

Larson and Associates, Inc.

Project Manager: Mark Larson

Gravitas SWD

20-0107-10

01.07.2021

Collected By: Client

1089 N Canal Street
Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-24)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-20-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

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01.07.2021

Project Manager: **Mark Larson**
Larson and Associates, Inc.
P. O. Box 50685
Midland, TX 79710

Reference: Eurofins Xenco, LLC Report No(s): **683351**
Gravitas SWD
Project Address:

Mark Larson :

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 683351. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 683351 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Holly Taylor

Holly Taylor
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Sample Cross Reference 683351

Larson and Associates, Inc., Midland, TX

Gravitas SWD

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SW-N+W	S	01.04.2021 11:30		683351-001
SW-S+E	S	01.04.2021 11:32		683351-002
C-1	S	01.04.2021 11:34		683351-003
C-2	S	01.04.2021 11:36		683351-004
C-3	S	01.04.2021 11:38		683351-005
Backfill	S	01.04.2021 12:35		683351-006

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CASE NARRATIVE

Client Name: Larson and Associates, Inc.

Project Name: Gravitas SWD

Project ID: *20-0107-10*
Work Order Number(s): *683351*

Report Date: *01.07.2021*
Date Received: *01.04.2021*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

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Certificate of Analytical Results 683351

Larson and Associates, Inc., Midland, TX

Gravitas SWD

Sample Id: **SW-N+W** Matrix: Soil Date Received:01.04.2021 16:40

Lab Sample Id: 683351-001 Date Collected: 01.04.2021 11:30

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 01.05.2021 13:00 % Moisture:

Seq Number: 3146832 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1200**	9.98	mg/kg	01.05.2021 16:30		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: CAC

Analyst: CAC Date Prep: 01.05.2021 15:00 % Moisture:

Seq Number: 3146828 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.05.2021 17:53	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.05.2021 17:53	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.05.2021 17:53	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.05.2021 17:53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-135	01.05.2021 17:53	
o-Terphenyl	84-15-1	112	%	70-135	01.05.2021 17:53	

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Certificate of Analytical Results 683351

Larson and Associates, Inc., Midland, TX

Gravitas SWD

Sample Id:	**SW-N+W**	Matrix:	Soil	Date Received:	01.04.2021 16:40
Lab Sample Id:	683351-001	Date Collected:	01.04.2021 11:30		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.05.2021 13:00	% Moisture:	
Seq Number:	3146825			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.05.2021 16:02	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.05.2021 16:02	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.05.2021 16:02	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.05.2021 16:02	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.05.2021 16:02	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.05.2021 16:02	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.05.2021 16:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.05.2021 16:02	
4-Bromofluorobenzene	460-00-4	91	%	70-130	01.05.2021 16:02	

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Certificate of Analytical Results 683351

Larson and Associates, Inc., Midland, TX

Gravitas SWD

Sample Id: **SW-S+E** Matrix: Soil Date Received:01.04.2021 16:40

Lab Sample Id: 683351-002 Date Collected: 01.04.2021 11:32

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 01.05.2021 13:00 % Moisture:

Seq Number: 3146832 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.96	9.96	mg/kg	01.05.2021 16:36	U	1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: CAC

Analyst: CAC Date Prep: 01.05.2021 15:00 % Moisture:

Seq Number: 3146828 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	01.05.2021 18:53	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	01.05.2021 18:53	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	01.05.2021 18:53	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	01.05.2021 18:53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	123	%	70-135	01.05.2021 18:53	
o-Terphenyl	84-15-1	112	%	70-135	01.05.2021 18:53	

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Certificate of Analytical Results 683351

Larson and Associates, Inc., Midland, TX

Gravitas SWD

Sample Id:	**SW-S+E**	Matrix:	Soil	Date Received:	01.04.2021 16:40
Lab Sample Id:	683351-002	Date Collected:	01.04.2021 11:32		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.05.2021 13:00	% Moisture:	
Seq Number:	3146825			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.05.2021 16:24	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.05.2021 16:24	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.05.2021 16:24	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	01.05.2021 16:24	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.05.2021 16:24	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.05.2021 16:24	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.05.2021 16:24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	96	%	70-130	01.05.2021 16:24	
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.05.2021 16:24	

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Certificate of Analytical Results 683351

Larson and Associates, Inc., Midland, TX

Gravitas SWD

Sample Id: **C-1** Matrix: Soil Date Received:01.04.2021 16:40

Lab Sample Id: 683351-003 Date Collected: 01.04.2021 11:34

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 01.05.2021 13:00 % Moisture:

Seq Number: 3146832 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<10.1	10.1	mg/kg	01.05.2021 16:42	U	1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: CAC

Analyst: CAC Date Prep: 01.05.2021 15:00 % Moisture:

Seq Number: 3146828 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	01.05.2021 19:14	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	01.05.2021 19:14	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	01.05.2021 19:14	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	01.05.2021 19:14	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	01.05.2021 19:14	
o-Terphenyl	84-15-1	114	%	70-135	01.05.2021 19:14	

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Certificate of Analytical Results 683351

Larson and Associates, Inc., Midland, TX

Gravitas SWD

Sample Id:	**C-1**	Matrix:	Soil	Date Received:	01.04.2021 16:40
Lab Sample Id:	683351-003	Date Collected:	01.04.2021 11:34		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.05.2021 13:00	% Moisture:	
Seq Number:	3146825			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	01.05.2021 16:47	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	01.05.2021 16:47	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	01.05.2021 16:47	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	01.05.2021 16:47	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	01.05.2021 16:47	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	01.05.2021 16:47	U	1
Total BTEX		<0.00201	0.00201	mg/kg	01.05.2021 16:47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	101	%	70-130	01.05.2021 16:47	
4-Bromofluorobenzene	460-00-4	94	%	70-130	01.05.2021 16:47	

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Certificate of Analytical Results 683351

Larson and Associates, Inc., Midland, TX

Gravitas SWD

Sample Id: **C-2** Matrix: Soil Date Received:01.04.2021 16:40

Lab Sample Id: 683351-004 Date Collected: 01.04.2021 11:36

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 01.05.2021 13:00 % Moisture:

Seq Number: 3146832 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<10.1	10.1	mg/kg	01.05.2021 16:48	U	1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: CAC

Analyst: CAC Date Prep: 01.05.2021 15:00 % Moisture:

Seq Number: 3146828 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	01.05.2021 19:34	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	01.05.2021 19:34	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	01.05.2021 19:34	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	01.05.2021 19:34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-135	01.05.2021 19:34	
o-Terphenyl	84-15-1	98	%	70-135	01.05.2021 19:34	

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Certificate of Analytical Results 683351

Larson and Associates, Inc., Midland, TX

Gravitas SWD

Sample Id:	**C-2**	Matrix:	Soil	Date Received:	01.04.2021 16:40
Lab Sample Id:	683351-004	Date Collected:	01.04.2021 11:36		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.05.2021 13:00	% Moisture:	
Seq Number:	3146825			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.05.2021 17:09	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.05.2021 17:09	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.05.2021 17:09	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	01.05.2021 17:09	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.05.2021 17:09	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.05.2021 17:09	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.05.2021 17:09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	01.05.2021 17:09	
4-Bromofluorobenzene	460-00-4	96	%	70-130	01.05.2021 17:09	

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Certificate of Analytical Results 683351

Larson and Associates, Inc., Midland, TX

Gravitas SWD

Sample Id: **C-3** Matrix: Soil Date Received:01.04.2021 16:40

Lab Sample Id: 683351-005 Date Collected: 01.04.2021 11:38

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 01.05.2021 13:00 % Moisture:

Seq Number: 3146832 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**17.5**	10.1	mg/kg	01.05.2021 16:54		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: CAC

Analyst: CAC Date Prep: 01.05.2021 15:00 % Moisture:

Seq Number: 3146828 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.05.2021 19:54	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.05.2021 19:54	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.05.2021 19:54	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.05.2021 19:54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	01.05.2021 19:54	
o-Terphenyl	84-15-1	104	%	70-135	01.05.2021 19:54	

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Certificate of Analytical Results 683351

Larson and Associates, Inc., Midland, TX

Gravitas SWD

Sample Id:	**C-3**	Matrix:	Soil	Date Received:	01.04.2021 16:40
Lab Sample Id:	683351-005	Date Collected:	01.04.2021 11:38		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.05.2021 13:00	% Moisture:	
Seq Number:	3146825			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.05.2021 18:27	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.05.2021 18:27	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.05.2021 18:27	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	01.05.2021 18:27	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.05.2021 18:27	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.05.2021 18:27	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.05.2021 18:27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	99	%	70-130	01.05.2021 18:27	
4-Bromofluorobenzene	460-00-4	93	%	70-130	01.05.2021 18:27	

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Certificate of Analytical Results 683351

Larson and Associates, Inc., Midland, TX

Gravitas SWD

Sample Id:	**Backfill**	Matrix:	Soil	Date Received:	01.04.2021 16:40
Lab Sample Id:	683351-006	Date Collected:	01.04.2021 12:35		

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.05.2021 13:00	% Moisture:	
Seq Number:	3146832			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**15.7**	10.0	mg/kg	01.05.2021 16:59		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.05.2021 15:00	% Moisture:	
Seq Number:	3146828			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	01.05.2021 20:14	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	01.05.2021 20:14	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	01.05.2021 20:14	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	01.05.2021 20:14	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	112	%	70-135	01.05.2021 20:14	
o-Terphenyl	84-15-1	126	%	70-135	01.05.2021 20:14	

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Certificate of Analytical Results 683351

Larson and Associates, Inc., Midland, TX

Gravitas SWD

Sample Id:	**Backfill**	Matrix:	Soil	Date Received:	01.04.2021 16:40
Lab Sample Id:	683351-006	Date Collected:	01.04.2021 12:35		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.05.2021 13:00	% Moisture:	
Seq Number:	3146825			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.05.2021 18:49	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.05.2021 18:49	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.05.2021 18:49	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.05.2021 18:49	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.05.2021 18:49	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.05.2021 18:49	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.05.2021 18:49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	01.05.2021 18:49	
4-Bromofluorobenzene	460-00-4	95	%	70-130	01.05.2021 18:49	

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

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QC Summary 683351

Larson and Associates, Inc.

Gravitas SWD

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3146832 — Matrix: Solid — Date Prep: 01.05.2021
MB Sample Id: 7718466-1-BLK — LCS Sample Id: 7718466-1-BKS — LCSD Sample Id: 7718466-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	250	255	102	257	103	90-110	1	20	mg/kg	01.05.2021 13:48	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3146832 — Matrix: Soil — Date Prep: 01.05.2021
Parent Sample Id: 683332-001 — MS Sample Id: 683332-001 S — MSD Sample Id: 683332-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	543	200	758	108	758	108	90-110	0	20	mg/kg	01.05.2021 15:48	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3146832 — Matrix: Soil — Date Prep: 01.05.2021
Parent Sample Id: 683349-001 — MS Sample Id: 683349-001 S — MSD Sample Id: 683349-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	28.5	200	245	108	245	108	90-110	0	20	mg/kg	01.05.2021 14:06	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3146828 — Matrix: Solid — Date Prep: 01.05.2021
MB Sample Id: 7718504-1-BLK — LCS Sample Id: 7718504-1-BKS — LCSD Sample Id: 7718504-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1150	115	1100	110	70-135	4	35	mg/kg	01.05.2021 17:13	
Diesel Range Organics (DRO)	<50.0	1000	1080	108	1170	117	70-135	8	35	mg/kg	01.05.2021 17:13	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	106		111		100		70-135	%	01.05.2021 17:13
o-Terphenyl	108		108		111		70-135	%	01.05.2021 17:13

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3146828 — Matrix: Solid — Date Prep: 01.05.2021
MB Sample Id: 7718504-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	01.05.2021 16:53	

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

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QC Summary 683351

Larson and Associates, Inc.

Gravitas SWD

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3146828 Matrix: Soil Date Prep: 01.05.2021
Parent Sample Id: 683351-001 MS Sample Id: 683351-001 S MSD Sample Id: 683351-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	998	941	94	1070	107	70-135	13	35	mg/kg	01.05.2021 18:13	
Diesel Range Organics (DRO)	<49.9	998	947	95	944	94	70-135	0	35	mg/kg	01.05.2021 18:13	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	118		115		70-135	%	01.05.2021 18:13
o-Terphenyl	122		110		70-135	%	01.05.2021 18:13

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3146825 Matrix: Solid Date Prep: 01.05.2021
MB Sample Id: 7718456-1-BLK LCS Sample Id: 7718456-1-BKS LCSD Sample Id: 7718456-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0853	85	0.0926	93	70-130	8	35	mg/kg	01.05.2021 11:45	
Toluene	<0.00200	0.100	0.0825	83	0.0901	90	70-130	9	35	mg/kg	01.05.2021 11:45	
Ethylbenzene	<0.00200	0.100	0.0774	77	0.0841	84	71-129	8	35	mg/kg	01.05.2021 11:45	
m,p-Xylenes	<0.00400	0.200	0.157	79	0.171	86	70-135	9	35	mg/kg	01.05.2021 11:45	
o-Xylene	<0.00200	0.100	0.0782	78	0.0855	86	71-133	9	35	mg/kg	01.05.2021 11:45	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	97		95		97		70-130	%	01.05.2021 11:45
4-Bromofluorobenzene	87		84		89		70-130	%	01.05.2021 11:45

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3146825 Matrix: Soil Date Prep: 01.05.2021
Parent Sample Id: 683349-001 MS Sample Id: 683349-001 S MSD Sample Id: 683349-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.106	106	0.104	104	70-130	2	35	mg/kg	01.05.2021 20:19	
Toluene	<0.00200	0.0998	0.105	105	0.100	100	70-130	5	35	mg/kg	01.05.2021 20:19	
Ethylbenzene	<0.00200	0.0998	0.120	120	0.0924	93	71-129	26	35	mg/kg	01.05.2021 20:19	
m,p-Xylenes	<0.00399	0.200	0.198	99	0.188	94	70-135	5	35	mg/kg	01.05.2021 20:19	
o-Xylene	<0.00200	0.0998	0.0975	98	0.0933	93	71-133	4	35	mg/kg	01.05.2021 20:19	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	92		94		70-130	%	01.05.2021 20:19
4-Bromofluorobenzene	96		85		70-130	%	01.05.2021 20:19

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

G83351 №1399

CHAIN-OF-CUSTODY

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

DATE: 1/4/21 PAGE 1 OF 1

PO#: LAB WORK ORDER#:

PROJECT LOCATION OR NAME: Gravitas SWD

LAI PROJECT #: 20-0107-10 COLLECTOR: TJ

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 ☐ 8151 HERBICIDES ☐ | 8082 PCBS ☐ | TBLP - METALS (RCRA) ☐ TCLP VOC ☐ | TCLP - PEST ☐ HERB ☐ Semi-VOC ☐ | TOTAL METALS (RCRA) ☐ D.W. 200.8 ☐ OTHER LIST ☐ | LEAD - TOTAL ☐ TOX ☐ FLASHPOINT ☐ TCLP ☐ | RCI ☐ TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐ | TOX ☐ 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 ☒ 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) ☐ D.W. 200.8 ☐ OTHER LIST ☐	LEAD - TOTAL ☐ TOX ☐ FLASHPOINT ☐ TCLP ☐	RCI ☐ TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐	pH ☐ HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDE ☒ ANIONS ☐ ALKALINITY ☐	FIELD NOTES
SW-NW		1/4/21	11 30	S	1				X		X		X	X	X											X		
SW-SE			11 32																									
S-1			11 34																									
S-2			11 36																									
S-3			11 38																									
Backfill			12 35																									

TOTAL 6

RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)
Trent Orm	1/4/21 1640	
RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)
RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)

LABORATORY: Xenco

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

LABORATORY USE ONLY:
RECEIVING TEMP: 1.0/0.8 THERM#: IR#007
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL #
☒ HAND DELIVERED

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Larson and Associates, Inc.

Date/ Time Received: 01.04.2021 04.40.00 PM

Work Order #: 683351

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : T_NM_007

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	.8	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 Custody Seals intact on sample bottles?	**Yes**	
#6*Custody Seals Signed and dated?	**Yes**	
#7 *Chain of Custody present?	**Yes**	
#8 Any missing/extra samples?	**No**	
#9 Chain of Custody signed when relinquished/ received?	**Yes**	
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**	
#11 Container label(s) legible and intact?	**Yes**	
#12 Samples in proper container/ bottle?	**Yes**	Samples received in bulk containers.
#13 Samples properly preserved?	**Yes**	
#14 Sample container(s) intact?	**Yes**	
#15 Sufficient sample amount for indicated test(s)?	**Yes**	
#16 All samples received within hold time?	**Yes**	
#17 Subcontract of sample(s)?	**No**	
#18 Water VOC samples have zero headspace?	**N/A**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Cloe Clifton Date: 01.05.2021

Checklist reviewed by: Holly Taylor Date: 01.05.2021

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Certificate of Analysis Summary 684441

Larson and Associates, Inc., Midland, TX

Project Name: Gravitas SWD

Project Id: 20-0107-10
Contact: Mark Larson
Project Location:

Date Received in Lab: Tue 01.12.2021 16:26
Report Date: 01.15.2021 13:23
Project Manager: Holly Taylor

Analysis Requested								
	Lab Id:	684441-001						
	Field Id:	SW-N+W						
	Depth:							
	Matrix:	SOIL						
	Sampled:	01.12.2021 10:50						
BTEX by EPA 8021B	***Extracted:***	01.14.2021 13:02						
	Analyzed:	01.15.2021 00:59						
	Units/RL:	mg/kg	RL					
Benzene		<0.00199	0.00199					
Toluene		<0.00199	0.00199					
Ethylbenzene		<0.00199	0.00199					
m,p-Xylenes		<0.00398	0.00398					
o-Xylene		<0.00199	0.00199					
Total Xylenes		<0.00199	0.00199					
Total BTEX		<0.00199	0.00199					
Chloride by EPA 300	***Extracted:***	01.13.2021 16:00						
	Analyzed:	01.13.2021 19:02						
	Units/RL:	mg/kg	RL					
Chloride		160	49.9					
TPH by SW8015 Mod	***Extracted:***	01.12.2021 18:00						
	Analyzed:	01.13.2021 07:41						
	Units/RL:	mg/kg	RL					
Gasoline Range Hydrocarbons (GRO)		<50.2	50.2					
Diesel Range Organics (DRO)		<50.2	50.2					
Motor Oil Range Hydrocarbons (MRO)		<50.2	50.2					
Total TPH		<50.2	50.2					

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Analytical Report 684441

for

Larson and Associates, Inc.

Project Manager: Mark Larson

Gravitas SWD

20-0107-10

01.15.2021

Collected By: Client

1089 N Canal Street
Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-24)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-20-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

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01.15.2021

Project Manager: **Mark Larson**
Larson and Associates, Inc.
P. O. Box 50685
Midland, TX 79710

Reference: Eurofins Xenco, LLC Report No(s): **684441**
Gravitas SWD
Project Address:

Mark Larson :

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 684441. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 684441 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Holly Taylor

Holly Taylor
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Sample Cross Reference 684441

Larson and Associates, Inc., Midland, TX

Gravitas SWD

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SW-N+W	S	01.12.2021 10:50		684441-001

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CASE NARRATIVE

Client Name: Larson and Associates, Inc.

Project Name: Gravitas SWD

Project ID: *20-0107-10*
Work Order Number(s): *684441*

Report Date: *01.15.2021*
Date Received: *01.12.2021*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

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Certificate of Analytical Results 684441

Larson and Associates, Inc., Midland, TX

Gravitas SWD

Sample Id: **SW-N+W** Matrix: Soil Date Received:01.12.2021 16:26

Lab Sample Id: 684441-001 Date Collected: 01.12.2021 10:50

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB

Analyst: MAB Date Prep: 01.13.2021 16:00 % Moisture:

Seq Number: 3147747 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**160**	49.9	mg/kg	01.13.2021 19:02		5

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: CAC

Analyst: CAC Date Prep: 01.12.2021 18:00 % Moisture:

Seq Number: 3147633 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	01.13.2021 07:41	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	01.13.2021 07:41	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	01.13.2021 07:41	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	01.13.2021 07:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-135	01.13.2021 07:41	
o-Terphenyl	84-15-1	107	%	70-135	01.13.2021 07:41	

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Certificate of Analytical Results 684441

Larson and Associates, Inc., Midland, TX

Gravitas SWD

Sample Id:	**SW-N+W**	Matrix:	Soil	Date Received:	01.12.2021 16:26
Lab Sample Id:	684441-001	Date Collected:	01.12.2021 10:50		
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.14.2021 13:02	% Moisture:	
Seq Number:	3147919			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.15.2021 00:59	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.15.2021 00:59	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.15.2021 00:59	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.15.2021 00:59	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.15.2021 00:59	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.15.2021 00:59	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.15.2021 00:59	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	98	%	70-130	01.15.2021 00:59	
4-Bromofluorobenzene	460-00-4	92	%	70-130	01.15.2021 00:59	

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

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QC Summary 684441

Larson and Associates, Inc.

Gravitas SWD

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3147747 — Matrix: Solid — Date Prep: 01.13.2021
MB Sample Id: 7719117-1-BLK — LCS Sample Id: 7719117-1-BKS — LCSD Sample Id: 7719117-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	250	252	101	253	101	90-110	0	20	mg/kg	01.13.2021 17:50	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3147747 — Matrix: Soil — Date Prep: 01.13.2021
Parent Sample Id: 684436-001 — MS Sample Id: 684436-001 S — MSD Sample Id: 684436-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<9.94	199	198	99	195	98	90-110	2	20	mg/kg	01.13.2021 18:08	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3147747 — Matrix: Soil — Date Prep: 01.13.2021
Parent Sample Id: 684465-004 — MS Sample Id: 684465-004 S — MSD Sample Id: 684465-004 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<9.98	200	204	102	205	101	90-110	0	20	mg/kg	01.14.2021 09:51	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3147633 — Matrix: Solid — Date Prep: 01.12.2021
MB Sample Id: 7719039-1-BLK — LCS Sample Id: 7719039-1-BKS — LCSD Sample Id: 7719039-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1050	105	1100	110	70-135	5	35	mg/kg	01.13.2021 02:29	
Diesel Range Organics (DRO)	<50.0	1000	1010	101	1180	118	70-135	16	35	mg/kg	01.13.2021 02:29	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	92		84		114		70-135	%	01.13.2021 02:29
o-Terphenyl	88		89		96		70-135	%	01.13.2021 02:29

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3147633 — Matrix: Solid — Date Prep: 01.12.2021
MB Sample Id: 7719039-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	01.13.2021 02:10	

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

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QC Summary 684441

Larson and Associates, Inc.

Gravitas SWD

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3147633 Matrix: Soil Date Prep: 01.12.2021
Parent Sample Id: 684371-001 MS Sample Id: 684371-001 S MSD Sample Id: 684371-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.2	1000	1190	119	1030	103	70-135	14	35	mg/kg	01.13.2021 03:28	
Diesel Range Organics (DRO)	<50.2	1000	1090	109	1170	117	70-135	7	35	mg/kg	01.13.2021 03:28	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	108		117		70-135	%	01.13.2021 03:28
o-Terphenyl	108		106		70-135	%	01.13.2021 03:28

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3147919 Matrix: Solid Date Prep: 01.14.2021
MB Sample Id: 7719206-1-BLK LCS Sample Id: 7719206-1-BKS LCSD Sample Id: 7719206-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.103	103	0.102	102	70-130	1	35	mg/kg	01.14.2021 16:03	
Toluene	<0.00200	0.100	0.0980	98	0.0989	99	70-130	1	35	mg/kg	01.14.2021 16:03	
Ethylbenzene	<0.00200	0.100	0.0911	91	0.0920	92	71-129	1	35	mg/kg	01.14.2021 16:03	
m,p-Xylenes	<0.00400	0.200	0.185	93	0.187	94	70-135	1	35	mg/kg	01.14.2021 16:03	
o-Xylene	<0.00200	0.100	0.0919	92	0.0918	92	71-133	0	35	mg/kg	01.14.2021 16:03	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	98		95		96		70-130	%	01.14.2021 16:03
4-Bromofluorobenzene	89		87		88		70-130	%	01.14.2021 16:03

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3147919 Matrix: Soil Date Prep: 01.14.2021
Parent Sample Id: 684594-001 MS Sample Id: 684594-001 S MSD Sample Id: 684594-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.117	117	0.0964	96	70-130	19	35	mg/kg	01.14.2021 16:48	
Toluene	<0.00200	0.100	0.113	113	0.0919	92	70-130	21	35	mg/kg	01.14.2021 16:48	
Ethylbenzene	<0.00200	0.100	0.104	104	0.0841	84	71-129	21	35	mg/kg	01.14.2021 16:48	
m,p-Xylenes	<0.00401	0.200	0.211	106	0.171	86	70-135	21	35	mg/kg	01.14.2021 16:48	
o-Xylene	<0.00200	0.100	0.103	103	0.0825	83	71-133	22	35	mg/kg	01.14.2021 16:48	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	95		96		70-130	%	01.14.2021 16:48
4-Bromofluorobenzene	90		89		70-130	%	01.14.2021 16:48

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

684441 №1406

CHAIN-OF-CUSTODY

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

DATE: 1/12/21 PAGE 1 OF 1

PO#: LAB WORK ORDER#:

PROJECT LOCATION OR NAME: Gravitas SWD

LAI PROJECT #: 20-0107-10 COLLECTOR: TJ

Data Reported to:

TRRP report? ☐ Yes ☒ No

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

TIME ZONE: Time zone/State: MST

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESERVED	ANALYSES: BTEX ☐ MTBE ☐	TPH 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 NOTES
SW-N+W		1/12/21	1050	S	1				X		X		X	X	X												X			

TOTAL 1

RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)
Trent Orr	1/12/21 1626	Cloe Cattle 1.12.21 1626
RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)
RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)

LABORATORY: Xenco

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

LABORATORY USE ONLY:
RECEIVING TEMP: 2.2/2.0 THERM#: T-NM-007
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL #
☐ HAND DELIVERED

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Larson and Associates, Inc.

Date/ Time Received: 01.12.2021 04.26.00 PM

Work Order #: 684441

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : T_NM_007

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	2	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 Custody Seals intact on sample bottles?	**Yes**	
#6*Custody Seals Signed and dated?	**Yes**	
#7 *Chain of Custody present?	**Yes**	
#8 Any missing/extra samples?	**No**	
#9 Chain of Custody signed when relinquished/ received?	**Yes**	
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**	
#11 Container label(s) legible and intact?	**Yes**	
#12 Samples in proper container/ bottle?	**Yes**	Samples received in bulk containers.
#13 Samples properly preserved?	**Yes**	
#14 Sample container(s) intact?	**Yes**	
#15 Sufficient sample amount for indicated test(s)?	**Yes**	
#16 All samples received within hold time?	**Yes**	
#17 Subcontract of sample(s)?	**No**	
#18 Water VOC samples have zero headspace?	**N/A**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Cloe Clifton Date: 01.12.2021

Checklist reviewed by: Holly Taylor Date: 01.13.2021

Appendix E

Waste Manifests

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CHEVRON MIDCONTINENT LP	Ticket #:	740-259103
Customer #:	RBF1920	Bid #:	O6UJ9A000GPB
Ordered by:	ERIK SAIZ (ESPG)	Date:	1/5/2021
AFE #:		Generator:	Chevron
PO #:		Generator #:	
Manifest #:	215682	Well Ser. #:	43892
Manif. Date:	1/5/2021	Well Name:	GRAVITAS 2 STATE SWD
Hauler:	R&M TRUCKING	Well #:	2
Driver	RAFAEL	Field:	
Truck #	166	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	EDDY (NM)

Facility: Red Bluff

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	20.00	yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	C2	0.00	0.00	0.00	N/A		7.00			N/A	

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

t6UJ9A01H94U

2/2/2021 1:26:58PM

R360

TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST
(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name
Phone No.

GENERATOR

NO. 215682

Operator No.
Operators Name: Chevron
Address
City, State, Zip
Phone No.

Permit/RRC No.
Lease/Well Name & No.: Brawley State San Hose
County: Eddy
API No.: 30-015-43802
Rig Name & No.
AFE/PO No.

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

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

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

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

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

QUANTITY B - BARRELS Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

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

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

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

Enoch Soza (ESOL) Vobal
(PRINT) AUTHORIZED AGENTS SIGNATURE — DATE — SIGNATURE

TRANSPORTER

Transporter's Name: RDM Trucking
Address: PO Box 3797
Hobbs NM 88241
Phone No.: 575 390 2163

Driver's Name: Rafael Costa
Print Name
Phone No.: 720-436-6841
Truck No.: 166

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

1/5/21 SHIPMENT DATE — DRIVER'S SIGNATURE — 1/5/21 DELIVERY DATE — DRIVER'S SIGNATURE

TRUCK TIME STAMP IN: 3:37 OUT:

DISPOSAL FACILITY

RECEIVING AREA Name/No. D1

Site Name/Permit No.: Red Bluff Facility/ STF-065
Phone No.: 432-448-4239
Address: 5053 US Highway 285, Orla, TX 79770

NORM READINGS TAKEN? (Circle One) YES NO
If YES, was reading > 50 micro roentgens? (circle one) YES NO
Chemical Analysis (Mg/l) Chloride
Conductivity (mmhos/cm) pH

TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
Received		

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

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

Jorge Garcia — NAME (PRINT) — 1-5-21 DATE — Receiver TITLE — SIGNATURE

White - ORIGINAL Blue - TRANSPORTER Yellow - GENERATOR

Version 1

CHEVRON
MCBU
Carlsbad, NM

NO #CAR- 0185 **NON-HAZARDOUS WASTE MANIFEST** 1. PAGE 1 OF 1 2. TRAILER NO. 1 4

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
CHEVRON CARLSBAD	3150 E. GREENE ST.	1-5-21
PHONE NO. 575-887-5676	CITY CARLSBAD, STATE NM, ZIP 88220	6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT WT/Vol.	11.
a. Gravitas SWD #2		TT	20YDS		
b. API 30 015 28920001					
c. Contaminated Dirt					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS:

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

CHEVRON CARLSBAD — 24-HOUR EMERGENCY NO. 575-887-5676

15. **GENERATOR'S CERTIFICATION:** Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME: Erik Sanz — SIGNATURE: [signature] — DATE: 1-5-21

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME RT-M	NAME
IN CASE OF EMERGENCY CONTACT: Trent Jones	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 432-212-7662	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME: Robert Cole	PRINTED/TYPED NAME:
SIGNATURE: [signature] DATE: 1/5/21	SIGNATURE: DATE:

DISPOSAL FACILITY

	ADDRESS:	PHONE:
R360 Red Bluff	9053 US Hwy 285 Orla, TX 79770	432-448-4229
PERMIT NO. SWF-065	20. COMMENTS	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
Jorge Lopez	432-448-4229	1-5-21	3:37PM

Disposal Site: Please complete Disposal Facility section at bottom of form and mail copy of completed form to Chevron Carlsbad 3150 E. Greene St. Carlsbad, NM 88220

GENERATOR: COPY 1 TRANSPORTER: COPY 2 DISPOSAL SITE: COPY 3 & 4

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CHEVRON MIDCONTINENT LP	Ticket #:	740-259104
Customer #:	RBF1920	Bid #:	O6UJ9A000GPB
Ordered by:	ERIK SAIZ (ESPG)	Date:	1/5/2021
AFE #:		Generator:	Chevron
PO #:		Generator #:	
Manifest #:	215716	Well Ser. #:	43892
Manif. Date:	1/5/2021	Well Name:	GRAVITAS 2 STATE SWD
Hauler:	R&M TRUCKING	Well #:	2
Driver	MIGUEL	Field:	
Truck #	05	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	EDDY (NM)

Facility: Red Bluff

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	20.00	yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	C2	0.00	0.00	0.00	N/A		N/A			N/A	

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

t6UJ9A01H94W

2/2/2021 1:26:59PM

R360

TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST
(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name
Phone No.

GENERATOR

NO. 215716

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

Permit/RRC No. Lease/Well
Name & No. Gravitas 2 St SWD #002
County Eddy
API No. 30-015-43992
Rig Name & No.
AFE/PO No.

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

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

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

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

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

QUANTITY B - BARRELS 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

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

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

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

Eric Sainz (ESPG)
(PRINT) AUTHORIZED AGENTS SIGNATURE — DATE — SIGNATURE

TRANSPORTER

Transporter's Name B-M Trucking
Address PO Box 3087 Hobbs NM 88241
Phone No. 575) 390-2163

Driver's Name Miguel Perez
Print Name
Phone No. 575 631-6278
Truck No. 05

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

SHIPMENT DATE — DRIVER'S SIGNATURE
1-5-21 DELIVERY DATE — Miguel Perez DRIVER'S SIGNATURE

DISPOSAL FACILITY

TRUCK TIME STAMP IN: 3:10pm OUT:

RECEIVING AREA Name/No. D1

Site Name/ Permit No. Red Bluff Facility/ STF-065
Address 5053 US Highway 285, Orla, TX 79770
Phone No. 432-448-4239

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

Chemical Analysis (Mg/l) Chloride _____ Conductivity (mmhos/cm) _____ pH

TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
Received		

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

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

Jorge Garcia — NAME (PRINT)
1-5-21 — DATE
Receiver — TITLE
SIGNATURE

White - ORIGINAL Blue - TRANSPORTER Yellow - GENERATOR

Version 1

CHEVRON
MCBU
Carlsbad, NM

NO #CAR-3434 **NON-HAZARDOUS WASTE MANIFEST** | 1. PAGE 1 OF 1 | 2. TRAILER NO. 05

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
CHEVRON CARLSBAD PHONE NO. 575-887-5676	3150 E. GREENE ST. CITY STATE ZIP CARLSBAD, NM 88220	1-5-21 6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT WT/Vol.	11.
a. Gravitas SWD #2		TT	20Yds		
b. API 30014538920001					
c. Contaminated Dirt					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS:	13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

CHEVRON CARLSBAD — 24-HOUR EMERGENCY NO. 575-887-5676

15. **GENERATOR'S CERTIFICATION:** Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME	SIGNATURE	DATE
Erik Saiz		1-5-21

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME R&M	NAME
IN CASE OF EMERGENCY CONTACT: Trent Jackson	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 432-213-7662	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME Miguel Prado	PRINTED/TYPED NAME
SIGNATURE DATE 1-5-21	SIGNATURE DATE

DISPOSAL FACILITY

R360 Red Bluff	ADDRESS: 5053 US Hwy 285 Orla, TX 79770	PHONE: 432-448-4239
PERMIT NO. STF-065	20. COMMENTS	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
Jorge Garcia	432-448-4234	1-5-21	3:10 PM

Disposal Site: Please complete Disposal Facility section at bottom of form and mail copy of completed form to Chevron Carlsbad 3150 E. Greene St. Carlsbad, NM 88220

GENERATOR: COPY 1 TRANSPORTER: COPY 2 DISPOSAL SITE: COPY 3 & 4

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CHEVRON MIDCONTINENT LP	Ticket #:	740-259105
Customer #:	RBF1920	Bid #:	O6UJ9A000GPB
Ordered by:	ERIK SAIZ (ESPG)	Date:	1/5/2021
AFE #:		Generator:	Chevron
PO #:		Generator #:	
Manifest #:	215692	Well Ser. #:	43892
Manif. Date:	1/5/2021	Well Name:	GRAVITAS 2 STATE SWD
Hauler:	R&M TRUCKING	Well #:	2
Driver	FAVIAN	Field:	
Truck #	141	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	EDDY (NM)

Facility: Red Bluff

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	20.00	yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	C2	0.00	0.00	0.00	N/A		7.00			N/A	

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

t6UJ9A01H94Y

2/2/2021 1:26:59PM

R360 ENVIRONMENTAL SOLUTIONS

TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name
Phone No.

NO. 215692

GENERATOR

Operator No.
Operators Name: Chevron
Address
City, State, Zip: Carlsbad NM 88220
Phone No.

Permit/RRC No.
Lease/Well Name & No.: Calamitas SWD 2
County: Eddy
API No.: 30-015-43892
Rig Name & No.
AFE/PO No.

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

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

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

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

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

QUANTITY B - BARRELS Y - YARDS 20 E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

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

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

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

Erick Zaiza (ESPG)
(PRINT) AUTHORIZED AGENTS SIGNATURE — DATE — SIGNATURE

TRANSPORTER

Transporter's Name: R+M Transports
Address: Po Box 3293
Hobbs NM 88241
Phone No.: 575-390-2163

Driver's Name: Fabian Contreras
Print Name
Phone No.
Truck No.: 141 / WHP 06992

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

1-5-21 — SHIPMENT DATE — DRIVER'S SIGNATURE
1-5-21 — DELIVERY DATE — DRIVER'S SIGNATURE

DISPOSAL FACILITY

TRUCK TIME STAMP IN: 2:30PM OUT:

RECEIVING AREA Name/No. P1

Site Name/ Permit No.: Red Bluff Facility/ STF-065
Phone No.: 432-448-4239
Address: 5053 US Highway 285, Orla, TX 79770

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

Chemical Analysis (Mg/l) Chloride — Conductivity (mmhos/cm) — pH

TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
Received		

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

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

Jorge Ibarra — NAME (PRINT)
1-5-21 — DATE
Receiver — TITLE
SIGNATURE

White - ORIGINAL Blue - TRANSPORTER Yellow - GENERATOR

Version 1

CHEVRON
MCBU
Carlsbad, NM

NO #CAR-3433 **NON-HAZARDOUS WASTE MANIFEST** 1. PAGE 1 OF 1 2. TRAILER NO. 141

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
CHEVRON CARLSBAD	3150 E. GREENE ST.	1-5-21
PHONE NO. 575-887-5676	CITY STATE ZIP CARLSBAD, NM 88220	6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT WT/Vol.	11.
a. Gravitas SWD #2		TT	20YDS		
b. API 30014538920001					
c. Contaminated Dirt					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS:

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

CHEVRON CARLSBAD — 24-HOUR EMERGENCY NO. 575-887-5676

15. **GENERATOR'S CERTIFICATION:** Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME	SIGNATURE	DATE
Erik Suiz	Erik Suiz	1-5-21

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME RTM	NAME
IN CASE OF EMERGENCY CONTACT: Tim Jacks	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 432-212-7602	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME Luis Cortez	PRINTED/TYPED NAME
SIGNATURE DATE 1-5-21	SIGNATURE DATE

DISPOSAL FACILITY

	ADDRESS:	PHONE:
R360 Red Bluff	5053 US Hwy 285 Orla, TX 79770	432-448-4284
PERMIT NO. STF-065	20. COMMENTS	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
Jose Garcia	432-448-4234	1-5-21	21301

Disposal Site: Please complete Disposal Facility section at bottom of form and mail copy of completed form to Chevron Carlsbad 3150 E. Greene St. Carlsbad, NM 88220

GENERATOR: COPY 1 TRANSPORTER: COPY 2 DISPOSAL SITE: COPY 3 & 4

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CHEVRON MIDCONTINENT LP	Ticket #:	740-259106
Customer #:	RBF1920	Bid #:	O6UJ9A000GPB
Ordered by:	ERIK SAIZ (ESPG)	Date:	1/5/2021
AFE #:		Generator:	Chevron
PO #:		Generator #:	
Manifest #:	215687	Well Ser. #:	43892
Manif. Date:	1/5/2021	Well Name:	GRAVITAS 2 STATE SWD
Hauler:	R&M TRUCKING	Well #:	2
Driver	OSBALDO	Field:	
Truck #	1721	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	EDDY (NM)

Facility: **Red Bluff**

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	20.00	yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	C2	0.00	0.00	0.00	N/A		N/A			N/A	

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

t6UJ9A01H952 2/2/2021 1:27:00PM

TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST
(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name 172.
Phone No.

NO. 215687

GENERATOR

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

Permit/RRC No.
Lease/Well Name & No. Gravitas Gravitas estate SWD #002.
County Eddy
API No. 30.015.43892.
Rig Name & No.
AFE/PO No.

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

Oil Based Muds		NON-INJECTABLE WATERS		OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings		Washout Water (Non-Injectable)		
Water Based Muds		Completion Fluid/Flow back (Non-Injectable)		
Water Based Cuttings		Produced Water (Non-Injectable)		
Produced Formation Solids		Gathering Line Water/Waste (Non-Injectable)		
Tank Bottoms		INTERNAL USE ONLY		
E&P Contaminated Soil	1	Truck Washout (exempt waste)		Belly
Gas Plant Waste				

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

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

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

QUANTITY B - BARRELS Y - YARDS 20 E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

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

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

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

Erik Sainz. (ESPG)
(PRINT) AUTHORIZED AGENTS SIGNATURE — DATE — SIGNATURE

TRANSPORTER

Transporter's Name BYM. TRUKING.
Address PO Box 3297
Hobbs NM 88241
Phone No. 575.390-2163.

Driver's Name Osvaldo E. Flores
Print Name
Phone No.
Truck No. 1721 WJ 18 6649

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

1-5-21. Osvaldo E. Flores — SHIPMENT DATE — DRIVER'S SIGNATURE
1-5-21 Osvaldo E. — DELIVERY DATE — DRIVER'S SIGNATURE

DISPOSAL FACILITY

TRUCK TIME STAMP
IN: 7:19 OUT:

RECEIVING AREA
Name/No. D/

Site Name/ Permit No. Red Bluff Facility/ STF-065
Address 5053 US Highway 285, Orla, TX 79770
Phone No. 432-448-4239

NORM READINGS TAKEN? (Circle One) YES NO
If YES, was reading > 50 micro roentgens? (circle one) YES NO
Chemical Analysis (Mg/l) Chloride
Conductivity (mmhos/cm) pH

TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
Received		

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

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

Erik Sainz — NAME (PRINT)
1-5-21 — DATE
Driver — TITLE
SIGNATURE

White - ORIGINAL Blue - TRANSPORTER Yellow - GENERATOR

Version 1

CHEVRON
MCBU

Carlsbad, NM

NO #CAR-3432 **NON-HAZARDOUS WASTE MANIFEST** 1. PAGE 1 OF 1 2. TRAILER NO. 172

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
CHEVRON CARLSBAD PHONE NO. 575-887-5676	3150 E. GREENE ST. CITY STATE ZIP CARLSBAD, NM 88220	1-5-21 6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT WT/Vol.	11.
a. Gravitas SWD #2		TT	20 bbls		
b. API 30015438920001					
c. Contaminated Dirt					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS:

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

CHEVRON CARLSBAD — 24-HOUR EMERGENCY NO. 575-887-5676

15. **GENERATOR'S CERTIFICATION:** Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME	SIGNATURE	DATE
Erik Sais		1-5-21

TRANSPORTERS

16. **TRANSPORTER (1)**	17. **TRANSPORTER (2)**
NAME R&M	NAME
IN CASE OF EMERGENCY CONTACT: Trent Jacks.	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 432-212-7662	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME Trent Jacks.	PRINTED/TYPED NAME
SIGNATURE	DATE 1.5.21	SIGNATURE	DATE

DISPOSAL FACILITY

R360 Red Bluff	ADDRESS: 5053 US Hwy 285 Orla, TX 79770	PHONE: 432-448-4234
PERMIT NO. STF-065	20. COMMENTS	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
Jorge Garcia	432-448-4234	1-5-21	2:20pm

Disposal Site: Please complete Disposal Facility section at bottom of form and mail copy of completed form to Chevron Carlsbad 3150 E. Greene St. Carlsbad, NM 88220

GENERATOR: COPY 1 TRANSPORTER: COPY 2 DISPOSAL SITE: COPY 3 & 4

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CHEVRON MIDCONTINENT LP	Ticket #:	740-259107
Customer #:	RBF1920	Bid #:	O6UJ9A000GPB
Ordered by:	ERIK SAIZ (ESPG)	Date:	1/5/2021
AFE #:		Generator:	Chevron
PO #:		Generator #:	
Manifest #:	215681	Well Ser. #:	43892
Manif. Date:	1/5/2021	Well Name:	GRAVITAS 2 STATE SWD
Hauler:	R&M TRUCKING	Well #:	2
Driver	RAFAEL	Field:	
Truck #	166	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	EDDY (NM)

Facility: Red Bluff

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	20.00	yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	C2	0.00	0.00	0.00	N/A		N/A			N/A	

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

t6UJ9A01H955

2/2/2021 1:27:01PM

R360

TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST
(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name
Phone No.

NO. 215681

GENERATOR

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

Permit/RRC No.
Lease/Well Name & No. Gravitas 2 State sub Hobbs
County ~~Lea~~ Eddy
API No. 30-015-43792
Rig Name & No.
AFE/PO No.

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

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

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

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

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

QUANTITY B - BARRELS 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

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

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

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

Kelly Sale (ESOL) Verbal
(PRINT) AUTHORIZED AGENTS SIGNATURE — DATE — SIGNATURE

TRANSPORTER

Transporter's Name N.M Trucking
Address PO Box 3297
Hobbs NM 88241
Phone No. 575-390 2163

Driver's Name Rafael Cota
Print Name
Phone No. 720 436 6841
Truck No. 166

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

1-5-21 SHIPMENT DATE — DRIVER'S SIGNATURE — 1/5/21 DELIVERY DATE — DRIVER'S SIGNATURE

TRUCK TIME STAMP
IN: 2:04 PM OUT:

DISPOSAL FACILITY

RECEIVING AREA
Name/No. D1

Site Name/Permit No. Red Bluff Facility/ STF-065
Phone No. 432-448-4239
Address 5053 US Highway 285, Orla, TX 79770

NORM READINGS TAKEN? (Circle One) YES NO
If YES, was reading > 50 micro roentgens? (circle one) YES NO
Chloride
Chemical Analysis (Mg/l)
Conductivity (mmhos/cm) pH

TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
Received		

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

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

Jorge Lopez — NAME (PRINT) — 1/5/21 DATE — Receiver TITLE — SIGNATURE

White - ORIGINAL Blue - TRANSPORTER Yellow - GENERATOR

Version 1

CHEVRON
MCBU
Carlsbad, NM

NO #CAR-3431 **NON-HAZARDOUS WASTE MANIFEST** 1. PAGE 1 OF 1 2. TRAILER NO. 177

GENERATOR

3. COMPANY NAME	4. ADDRESS			5. PICK-UP DATE
CHEVRON CARLSBAD	3150 E. GREENE ST.			1-5-21
PHONE NO. 575-887-5676	CITY CARLSBAD, NM	STATE	ZIP 88220	6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT WT/Vol.	11.
a. Gravitas SWD #2		TT	20 Yds		
b. API 3001543892 0001					
c. Contaminated Dirt					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS:	13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

CHEVRON CARLSBAD — 24-HOUR EMERGENCY NO. 575-887-5676

15. **GENERATOR'S CERTIFICATION:** Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME	SIGNATURE	DATE
Erik Sanz	[signature]	1-5-21

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME R+M	NAME
IN CASE OF EMERGENCY CONTACT: Trent Jackson	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 432-212-7662	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME [signature]	PRINTED/TYPED NAME
SIGNATURE [signature] DATE 1/5/21	SIGNATURE DATE

DISPOSAL FACILITY

	ADDRESS:	PHONE:
R360 Red Bleff	5053 57 US Hwy 285	432-448-2239

PERMIT NO.	20. COMMENTS
STF-065	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
Jorge Garcia	432-448-4234	1-5-21	2:06 PM

Disposal Site: Please complete Disposal Facility section at bottom of form and mail copy of completed form to Chevron Carlsbad 3150 E. Greene St. Carlsbad, NM 88220

GENERATOR: COPY 1 TRANSPORTER: COPY 2 DISPOSAL SITE: COPY 3 & 4

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CHEVRON MIDCONTINENT LP	Ticket #:	740-259108
Customer #:	RBF1920	Bid #:	O6UJ9A000GPB
Ordered by:	ERIK SAIZ (ESPG)	Date:	1/5/2021
AFE #:		Generator:	Chevron
PO #:		Generator #:	
Manifest #:	215712	Well Ser. #:	43892
Manif. Date:	1/5/2021	Well Name:	GRAVITAS 2 STATE SWD
Hauler:	R&M TRUCKING	Well #:	2
Driver	MIGUEL	Field:	
Truck #	05	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	EDDY (NM)

Facility: Red Bluff

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	20.00	yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	C2	0.00	0.00	0.00	N/A		N/A			N/A	

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

t6UJ9A01H958

2/2/2021 1:27:02PM

R360

TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST
(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name
Phone No.

GENERATOR

NO. 215712

Operator No.
Operators Name: Chevron
Address
City, State, Zip
Phone No.

Permit/RRC No.
Lease/Well Name & No.: Gravitys 2 State SWD #002
County: Eddy
API No.: 30-015-43842
Rig Name & No.
AFE/PO No.

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

Oil Based Muds		NON-INJECTABLE WATERS		OTHER EXEMPT WASTES (type and generation process of the waste)	
Oil Based Cuttings		Washout Water (Non-Injectable)			
Water Based Muds		Completion Fluid/Flow back (Non-Injectable)			
Water Based Cuttings		Produced Water (Non-Injectable)		Belly	
Produced Formation Solids		Gathering Line Water/Waste (Non-Injectable)			
Tank Bottoms		INTERNAL USE ONLY			
E&P Contaminated Soil	1	Truck Washout (exempt waste)			
Gas Plant Waste					

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

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

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

QUANTITY B - BARRELS 20 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

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

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

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

Erik Sais
(PRINT) AUTHORIZED AGENTS SIGNATURE — DATE — SIGNATURE

TRANSPORTER

Transporter's Name: REM Trucking
Address: Po Box 3297
Hobbs NM 88241
Phone No.: 575-390-2163

Driver's Name: Miguel Perez
Print Name
Phone No.
Truck No.: 05 / WHP 6649

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

1-5-21 SHIPMENT DATE — DRIVER'S SIGNATURE — 1-5-21 DELIVERY DATE — DRIVER'S SIGNATURE

TRUCK TIME STAMP IN: 1:48 OUT:

DISPOSAL FACILITY

RECEIVING AREA Name/No. D1

Site Name/ Permit No.: Red Bluff Facility/ STF-065
Phone No.: 432-448-4239
Address: 5053 US Highway 285, Orla, TX 79770

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

Chemical Analysis (Mg/l) Chloride — Conductivity (mmhos/cm) — pH

TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
Received		

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

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

Jorge Garcia — 1-5-21 — Receiver

NAME (PRINT) — DATE — TITLE — SIGNATURE

White - ORIGINAL Blue - TRANSPORTER Yellow - GENERATOR

Version 1

CHEVRON
MCBU

Carlsbad, NM

NO #CAR-3430 **NON-HAZARDOUS WASTE MANIFEST** 1. PAGE 1 OF 1 2. TRAILER NO. 05

GENERATOR

3. COMPANY NAME	4. ADDRESS			5. PICK-UP DATE
CHEVRON CARLSBAD	3150 E. GREENE ST.			1-5-21
PHONE NO. 575-887-5676	CITY CARLSBAD, NM 88220	STATE	ZIP	6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT WT/Vol.	11.
a. Gravitas SWD 2		TT	20Yds		
b. API 30015438920001					
c. Contaminated Dirt					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS:

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

CHEVRON CARLSBAD — 24-HOUR EMERGENCY NO. 575-887-5676

15. **GENERATOR'S CERTIFICATION:** Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME	SIGNATURE	DATE
Erik Sosa		1-5-21

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME RT-M	NAME
IN CASE OF EMERGENCY CONTACT: Trent Jackson	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 432-212-7662	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME Miguel Perez	PRINTED/TYPED NAME
SIGNATURE DATE 1-5-21	SIGNATURE DATE

DISPOSAL FACILITY

	ADDRESS:	PHONE:
R360 Red Bluff	5053 US Hwy 285 Orla, TX 79770	432-448-4239

PERMIT NO.	20. COMMENTS
57F-065	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
Jorge Garcia	432-448-6083	1-5-21	1:50PM

Disposal Site: Please complete Disposal Facility section at bottom of form and mail copy of completed form to Chevron Carlsbad 3150 E. Greene St. Carlsbad, NM 88220

GENERATOR: COPY 1 TRANSPORTER: COPY 2 DISPOSAL SITE: COPY 3 & 4

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CHEVRON MIDCONTINENT LP	Ticket #:	740-259109
Customer #:	RBF1920	Bid #:	O6UJ9A000GPB
Ordered by:	ERIK SAIZ (ESPG)	Date:	1/5/2021
AFE #:		Generator:	Chevron
PO #:		Generator #:	
Manifest #:	215674	Well Ser. #:	43892
Manif. Date:	1/5/2021	Well Name:	GRAVITAS 2 STATE SWD
Hauler:	R&M TRUCKING	Well #:	2
Driver	RAFAEL	Field:	
Truck #	166	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	EDDY (NM)

Facility: Red Bluff

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	20.00	yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	C2	0.00	0.00	0.00	N/A		N/A			N/A	

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

t6UJ9A01H95A

2/2/2021 1:27:03PM

R360

TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST
(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name Eric Saiz
Phone No. 575-361-4052

NO. 215674

GENERATOR

Operator No.
Operators Name: Chevron
Address
City, State, Zip
Phone No.

Permit/RRC No.
Lease/Well Name & No.: Graves 2 State SWD #002
County: Eddy
API No.: 30-015-43892
Rig Name & No.
AFE/PO No.

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

		NON-INJECTABLE WATERS		OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Muds		Washout Water (Non-Injectable)		Bell-4
Oil Based Cuttings		Completion Fluid/Flow back (Non-Injectable)		
Water Based Muds		Produced Water (Non-Injectable)		
Water Based Cuttings		Gathering Line Water/Waste (Non-Injectable)		
Produced Formation Solids		INTERNAL USE ONLY		
Tank Bottoms	✓	Truck Washout (exempt waste)		
E&P Contaminated Soil				
Gas Plant Waste				

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

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

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

QUANTITY B - BARRELS JJ Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

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

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

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

Erik Saiz (ESRG) Verbal
(PRINT) AUTHORIZED AGENTS SIGNATURE — DATE — SIGNATURE

TRANSPORTER

Transporter's Name: R&M Trucking
Address: PO Box 3297
Hobbs NM 88241
Phone No.: 575-340-2163

Driver's Name: Rafael Cota
Print Name
Phone No.: 720-436-6841
Truck No.: 166 / WHP 0646

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

1-5-21 SHIPMENT DATE — DRIVER'S SIGNATURE

1-5-21 DELIVERY DATE — DRIVER'S SIGNATURE

DISPOSAL FACILITY

TRUCK TIME STAMP
IN: 12:37pm OUT:

RECEIVING AREA
Name/No. D1

Site Name/Permit No.: Red Bluff Facillty/ STF-065
Phone No.: 432-448-4239
Address: 5053 US Highway 285, Orla, TX 79770

NORM READINGS TAKEN? (Circle One) YES ~~NO~~ 7
If YES, was reading > 50 micro roentgens? (circle one) YES NO

Chemical Analysis (Mg/l) Chloride
Conductivity (mmhos/cm) pH

TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
Received		

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

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

Jorge Garcia — 1-5-21 — Receiver

NAME (PRINT) — DATE — TITLE — SIGNATURE

White - ORIGINAL Blue - TRANSPORTER Yellow - GENERATOR

Version 1

CHEVRON
MCBU

Carlsbad, NM

NO #CAR- 3127 **NON-HAZARDOUS WASTE MANIFEST** 1. PAGE 1 OF 1 2. TRAILER NO. 166

GENERATOR

3. COMPANY NAME	4. ADDRESS			5. PICK-UP DATE
CHEVRON CARLSBAD	3150 E. GREENE ST.			1-5-2021
PHONE NO. 575-887-5676	CITY CARLSBAD, NM	STATE	ZIP 88220	6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT WT/Vol.	11.
a. Graviteas SWD 2		FT	20 Yds		
b. API 30015439920001					
c. Contaminated Dirt					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS:

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

CHEVRON CARLSBAD — 24-HOUR EMERGENCY NO. 575-887-5676

15. **GENERATOR'S CERTIFICATION:** Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME: Erik Sanz ESPG — SIGNATURE — DATE: 1-5-21

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME: RTM	NAME:
IN CASE OF EMERGENCY CONTACT: Trent Jarboe	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 432-212-7662	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME: Richard Cobb	PRINTED/TYPED NAME:
SIGNATURE — DATE: 1/5/21	SIGNATURE — DATE

DISPOSAL FACILITY

R360 Red Bluff — ADDRESS: 5053 US Hwy 285 Orla TX 79770 — PHONE: 432-448-4234

PERMIT NO. STF-065 — 20. COMMENTS

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
Jorge Garcia	432-448-4234	1-5-21	12:37PM

Disposal Site: Please complete Disposal Facility section at bottom of form and mail copy of completed form to Chevron Carlsbad 3150 E. Greene St. Carlsbad, NM 88220

GENERATOR: COPY 1 TRANSPORTER: COPY 2 DISPOSAL SITE: COPY 3 & 4

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CHEVRON MIDCONTINENT LP	Ticket #:	740-259110
Customer #:	RBF1920	Bid #:	O6UJ9A000GPB
Ordered by:	ERIK SAIZ (ESPG)	Date:	1/5/2021
AFE #:		Generator:	Chevron
PO #:		Generator #:	
Manifest #:	215691	Well Ser. #:	43892
Manif. Date:	1/5/2021	Well Name:	GRAVITAS 2 STATE SWD
Hauler:	R&M TRUCKING	Well #:	2
Driver	OSBALDO	Field:	
Truck #	172	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	EDDY (NM)

Facility: Red Bluff

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	20.00	yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	C2	0.00	0.00	0.00	N/A		N/A			N/A	

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

t6UJ9A01H95C

2/2/2021 1:27:03PM

R360

TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST
(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name
Phone No.

NO. 215691

GENERATOR

Operator No.
Operators Name: Chevron
Address
City, State, Zip
Phone No.

Permit/RRC No.
Lease/Well Name & No.: Graves 2 State SWD #002
County: Eddy
API No.: 30-015-43892
Rig Name & No.
AFE/PO No.

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

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

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

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

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

QUANTITY B - BARRELS 70 Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

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

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

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

Erik Sanz (ESPG) Verbal
(PRINT) AUTHORIZED AGENTS SIGNATURE — DATE — SIGNATURE

TRANSPORTER

Transporter's Name: R&M Trucking
Address: Po Box 3297
Hobbs NM 88241
Phone No.: 575-390-2163

Driver's Name: Osbaldo E. Rojas
Print Name
Phone No.
Truck No.: 172 / WTH 6649

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

1-5-21 — Osbaldo E. Arriaga — SHIPMENT DATE / DRIVER'S SIGNATURE

1/5/21 — Osbaldo E. — DELIVERY DATE / DRIVER'S SIGNATURE

DISPOSAL FACILITY

TRUCK TIME STAMP
IN: 04:42 17 OUT:

RECEIVING AREA
Name/No.: D1

Site Name/Permit No.: Red Bluff Facility/ STF-065
Address: 5053 US Highway 285, Orla, TX 79770
Phone No.: 432-448-4239

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

Chemical Analysis (Mg/l) Chloride
Conductivity (mmhos/cm) pH

TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
Received		

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

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

Jose Lopez — 1-5-21 — Receiver
NAME (PRINT) — DATE — TITLE — SIGNATURE

White - ORIGINAL Blue - TRANSPORTER Yellow - GENERATOR

Version 1

CHEVRON
MCBU
Carlsbad, NM

NO #CAR-3429 **NON-HAZARDOUS WASTE MANIFEST** | 1. PAGE 1 OF 1 | 2. TRAILER NO. 172

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
CHEVRON CARLSBAD PHONE NO. 575-887-5676	3150 E. GREENE ST. CITY STATE ZIP CARLSBAD, NM 88220	1-5-21 6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT WT/Vol	11.
a. Gravitas Sand 2		TT	20Yds		
b. API 30015438920001					
c. Contaminated Dirt					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS:

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

CHEVRON CARLSBAD — 24-HOUR EMERGENCY NO. 575-887-5676

15. **GENERATOR'S CERTIFICATION:** Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME: Erik Saiz — SIGNATURE — DATE: 1-5-21

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME R+M	NAME
IN CASE OF EMERGENCY CONTACT: Trent Jacks-n	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 432-212-7662	EMERGENCY PHONE:
18. **TRANSPORTER** (1): Acknowledgment of receipt of material	19. **TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME: Oscar Lopez	PRINTED/TYPED NAME:
SIGNATURE — DATE: 01-05	SIGNATURE — DATE

DISPOSAL FACILITY

	ADDRESS:	PHONE:
R-36 Red Bluff	5053 US Hwy 285 Orla TX 79770	432-448-4239

PERMIT NO. STF-065

20. COMMENTS

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
Jorge Garcia	432-448-4239	1-5-21	12:44 PM

Disposal Site: Please complete Disposal Facility section at bottom of form and mail copy of completed form to Chevron Carlsbad 3150 E. Greene St. Carlsbad, NM 88220

GENERATOR: COPY 1 TRANSPORTER: COPY 2 DISPOSAL SITE: COPY 3 & 4

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CHEVRON MIDCONTINENT LP	Ticket #:	740-259111
Customer #:	RBF1920	Bid #:	O6UJ9A000GPB
Ordered by:	ERIK SAIZ (ESPG)	Date:	1/5/2021
AFE #:		Generator:	Chevron
PO #:		Generator #:	
Manifest #:	215675	Well Ser. #:	43892
Manif. Date:	1/5/2021	Well Name:	GRAVITAS 2 STATE SWD
Hauler:	R&M TRUCKING	Well #:	2
Driver	FABIAN	Field:	
Truck #	191	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	EDDY (NM)

Facility: Red Bluff

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	20.00	yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	C2	0.00	0.00	0.00	N/A		N/A			N/A	

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

t6UJ9A01H95D

2/2/2021 1:27:04PM

R360

TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name
Phone No.

GENERATOR

NO. 215675

Operator No.
Operators Name: Chevron
Address
City, State, Zip: Carlsbad NM 88220
Phone No.

Permit/RRC No.
Lease/Well Name & No.: Graytas 5402 2
County: Eddy
API No.: 30-015-43847
Rig Name & No.
AFE/PO No.

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

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

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

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

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

QUANTITY B - BARRELS Y - YARDS 2 E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

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

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

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

Erik Saiz (ESPG) Verbal
(PRINT) AUTHORIZED AGENTS SIGNATURE — DATE — SIGNATURE

TRANSPORTER

Transporter's Name: R&M Transports
Address: PO Box 3297
Hobbs NM 88241
Phone No.: 575-390-2163

Driver's Name: Fabian Contreras
Print Name
Phone No.
Truck No.: 141 / WHP 6644

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

11-5-21 — SHIPMENT DATE — DRIVER'S SIGNATURE
11-5-21 — DELIVERY DATE — DRIVER'S SIGNATURE

TRUCK TIME STAMP IN: 12:46 OUT:

DISPOSAL FACILITY

RECEIVING AREA Name/No. D1

Site Name/Permit No.: Red Bluff Facility/ STF-065
Address: 5053 US Highway 285, Orla, TX 79770
Phone No.: 432-448-4239

NORM READINGS TAKEN? (Circle One) YES NO
If YES, was reading > 50 micro roentgens? (circle one) YES NO
Chemical Analysis (Mg/l) Chloride
Conductivity (mmhos/cm) pH

TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
Received		

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

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

Jorge Garcia — NAME (PRINT)
11-5-21 — DATE
Receiver — TITLE
SIGNATURE

White - ORIGINAL Blue - TRANSPORTER Yellow - GENERATOR

Version 1

CHEVRON
MCBU
Carlsbad, NM

NO #CAR- 0423 **NON-HAZARDOUS WASTE MANIFEST** 1. PAGE 1 OF 1 2. TRAILER NO. 141

GENERATOR

3. COMPANY NAME: CHEVRON CARLSBAD
PHONE NO.: 575-887-5676
4. ADDRESS: 3150 E. GREENE ST.
CITY: CARLSBAD STATE: NM ZIP: 88220
5. PICK-UP DATE: 1-5-21
6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT WT/Vol.	11.
a. Granitas Sand 2		TT	20 YDS		
b. API 30015938920001					
c. Contaminated Dirt					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS:
13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**
CHEVRON CARLSBAD
24-HOUR EMERGENCY NO. 575-887-5676

15. **GENERATOR'S CERTIFICATION:** Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME: Erik Saiz
SIGNATURE: Erik Saiz DATE: 1-5-21

TRANSPORTERS

16. **TRANSPORTER (1)**
NAME: R+M
IN CASE OF EMERGENCY CONTACT: Treat Jackson
EMERGENCY PHONE: 432-212-7662
18. TRANSPORTER (1): Acknowledgment of receipt of material
PRINTED/TYPED NAME: Wade Haines
SIGNATURE: DATE: 1-5-21

17. **TRANSPORTER (2)**
NAME:
IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE:
19. TRANSPORTER (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME:
SIGNATURE: DATE:

DISPOSAL FACILITY

R360 Red Bluff
ADDRESS: 5053 US Hwy 285 Orla TX 79770
PHONE: 432-448-4239
PERMIT NO. STF-065
20. COMMENTS

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
Jorge Garcia	432-448-4239	1-5-21	01:47 pm

Disposal Site: Please complete Disposal Facility section at bottom of form and mail copy of completed form to Chevron Carlsbad 3150 E. Greene St. Carlsbad, NM 88220

GENERATOR: COPY 1 TRANSPORTER: COPY 2 DISPOSAL SITE: COPY 3 & 4

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CHEVRON MIDCONTINENT LP	Ticket #:	740-259112
Customer #:	RBF1920	Bid #:	O6UJ9A000GPB
Ordered by:	ERIK SAIZ (ESPG)	Date:	1/5/2021
AFE #:		Generator:	Chevron
PO #:		Generator #:	
Manifest #:	215686	Well Ser. #:	43892
Manif. Date:	1/5/2021	Well Name:	GRAVITAS 2 STATE SWD
Hauler:	R&M TRUCKING	Well #:	2
Driver	OSBALDO	Field:	
Truck #	172	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	EDDY (NM)

Facility: Red Bluff

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	20.00	yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	C2	0.00	0.00	0.00	N/A		7.00			N/A	

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

t6UJ9A01H95E

2/2/2021 1:27:04PM

R360

TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST
(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name
Phone No.

GENERATOR

NO. 215686

Operator No.
Operators Name: Chevron
Address
City, State, Zip
Phone No.

Permit/RRC No.
Lease/Well Name & No.: Grail 2 State SWD #002
County: Eddy
API No.: 30.015.43802
Rig Name & No.
AFE/PO No.

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

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

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

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

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

QUANTITY — B - BARRELS — Y - YARDS 20 — E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

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

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

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

Erik Sayz (ESPG)
(PRINT) AUTHORIZED AGENTS SIGNATURE — DATE — SIGNATURE

TRANSPORTER

Transporter's Name: RLH TRUCKING
Address: PO BOX 3297
Hobbs NM 88240
Phone No.: 575-390-2163

Driver's Name: Oswaldo E.
Print Name
Phone No.
Truck No.: 172. WH18. 6649.

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

1-5-21. Oswaldo E. — SHIPMENT DATE / DRIVER'S SIGNATURE
1-5-21. Oswaldo E. — DELIVERY DATE / DRIVER'S SIGNATURE

TRUCK TIME STAMP
IN: 4:13 OUT:

DISPOSAL FACILITY

RECEIVING AREA
Name/No. D1

Site Name/ Permit No.: Red Bluff Facility/ STF-065
Phone No.: 432-448-4239
Address: 5053 US Highway 285, Orla, TX 79770

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

Chemical Analysis (Mg/l) Chloride — Conductivity (mmhos/cm) — pH

TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
Received		

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

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

Jorge Lopez (NAME (PRINT)) — 1-5-21 (DATE) — Receiver (TITLE) — (SIGNATURE)

White - ORIGINAL Blue - TRANSPORTER Yellow - GENERATOR

Version 1

CHEVRON
MCBU
Carlsbad, NM

NO #CAR- 3436 **NON-HAZARDOUS WASTE MANIFEST** | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
CHEVRON CARLSBAD PHONE NO. 575-887-5676	3150 E. GREENE ST. CITY STATE ZIP CARLSBAD, NM 88220	1-5-21 6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT WT/Vol.	11.
a. Gravitas SWD 2		T7	20 Yds		
b. API 30-015-38920001					
c. Contaminated Dirt					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS:

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

CHEVRON CARLSBAD — 24-HOUR EMERGENCY NO. 575-887-5676

15. **GENERATOR'S CERTIFICATION:** Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME: Erik Saiz — SIGNATURE — DATE: 1-5-21

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME R+M	NAME
IN CASE OF EMERGENCY CONTACT: Thad Jarrison	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 432-212-7662	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME	PRINTED/TYPED NAME
SIGNATURE — DATE 1-5-21	SIGNATURE — DATE

DISPOSAL FACILITY

	ADDRESS:	PHONE:
R360 Red Bluff	5053 US Hwy 285 Orla, TX 79770	432-448-4239

PERMIT NO. STF-065 — 20. COMMENTS

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
Jorge Lucio	432-448-4239	1-5-21	4:16pm

Disposal Site: Please complete Disposal Facility section at bottom of form and mail copy of completed form to Chevron Carlsbad 3150 E. Greene St. Carlsbad, NM 88220

GENERATOR: COPY 1 TRANSPORTER: COPY 2 DISPOSAL SITE: COPY 3 & 4

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CHEVRON MIDCONTINENT LP	Ticket #:	740-259113
Customer #:	RBF1920	Bid #:	O6UJ9A000GPB
Ordered by:	ERIK SAIZ (ESPG)	Date:	1/5/2021
AFE #:		Generator:	Chevron
PO #:		Generator #:	
Manifest #:	215695	Well Ser. #:	43892
Manif. Date:	1/5/2021	Well Name:	GRAVITAS 2 STATE SWD
Hauler:	R&M TRUCKING	Well #:	2
Driver	FABIAN	Field:	
Truck #	141	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	EDDY (NM)

Facility: Red Bluff

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	20.00	yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	C2	0.00	0.00	0.00	N/A		N/A			N/A	

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

t6UJ9A01H95F 2/2/2021 1:27:05PM

R360

TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST
(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name
Phone No.

GENERATOR

NO. 215695

Operator No.
Operators Name: Chevron
Address
City, State, Zip: Carlsbad NM 88220
Phone No.

Permit/RRC No.
Lease/Well Name & No.: Grayjax SWD 2
County: Eddy
API No.: 30-015-43822
Rig Name & No.
AFE/PO No.

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

		NON-INJECTABLE WATERS		OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Muds		Washout Water (Non-Injectable)		Bell 4
Oil Based Cuttings		Completion Fluid/Flow back (Non-Injectable)		
Water Based Muds		Produced Water (Non-Injectable)		
Water Based Cuttings		Gathering Line Water/Waste (Non-Injectable)		
Produced Formation Solids		INTERNAL USE ONLY		
Tank Bottoms		Truck Washout (exempt waste)		
E&P Contaminated Soil	/			
Gas Plant Waste				

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

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

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

QUANTITY B - BARRELS Y - YARDS 20 E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

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

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

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

Erik Sanz (ESPG)
(PRINT) AUTHORIZED AGENTS SIGNATURE — DATE — SIGNATURE

TRANSPORTER

Transporter's Name: RM Transports
Address: PO Box 3247
Hobbs NM 88241
Phone No.: 575-390-2163

Driver's Name: Fabian Cordero
Print Name
Phone No.
Truck No.: 141 JWHP666 49

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

1-5-21 — SHIPMENT DATE — DRIVER'S SIGNATURE
1-5-21 — DELIVERY DATE — DRIVER'S SIGNATURE

DISPOSAL FACILITY

TRUCK TIME STAMP IN: 4:46PM OUT:

RECEIVING AREA Name/No. D1

Site Name/Permit No.: Red Bluff Facility/ STF-065
Phone No.: 432-448-4239
Address: 5053 US Highway 285, Orla, TX 79770

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

Chemical Analysis (Mg/l) Chloride
Conductivity (mmhos/cm) pH

TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
Received		

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

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

Jorge Garcia — NAME (PRINT)
1-5-21 — DATE
Recover — TITLE
SIGNATURE

White - ORIGINAL Blue - TRANSPORTER Yellow - GENERATOR

Version 1

CHEVRON
MCBU
Carlsbad, NM

NO #CAR-3437 **NON-HAZARDOUS WASTE MANIFEST** | 1. PAGE 1 OF 1 | 2. TRAILER NO. 141

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
CHEVRON CARLSBAD	3150 E. GREENE ST.	1-5-21
PHONE NO. 575-887-5676	CITY STATE ZIP CARLSBAD, NM 88220	6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT WT/Vol.	11.
a. Gravitas SWD #2		TT	20 YDS		
b. API 3001453892 0001					
c. Contaminated Dirt (Salt Water)					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS:

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

CHEVRON CARLSBAD — 24-HOUR EMERGENCY NO. 575-887-5676

15. **GENERATOR'S CERTIFICATION:** Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME	SIGNATURE	DATE
Erik Saiz ESPG	Erik S.	1-5-21

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME D&D R+M	NAME
IN CASE OF EMERGENCY CONTACT: Trent Jacobs	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 432-218-7462	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME	PRINTED/TYPED NAME
SIGNATURE DATE	SIGNATURE DATE

DISPOSAL FACILITY

	ADDRESS:	PHONE:
R360 Red Bluff	5053 US Hwy 285 Orla, TX 79770	432-448-4239

PERMIT NO.	20. COMMENTS
STF-065	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
Jorge Garcia	432-448-4234	1-5-21	4:42 PM

Disposal Site: Please complete Disposal Facility section at bottom of form and mail copy of completed form to Chevron Carlsbad 3150 E. Greene St. Carlsbad, NM 88220

GENERATOR: COPY 1 TRANSPORTER: COPY 2 DISPOSAL SITE: COPY 3 & 4

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CHEVRON MIDCONTINENT LP	Ticket #:	740-259559
Customer #:	RBF1920	Bid #:	O6UJ9A000GPB
Ordered by:	ERIK SAIZ	Date:	1/13/2021
AFE #:		Generator:	Chevron
PO #:		Generator #:	
Manifest #:	216165	Well Ser. #:	43892
Manif. Date:	1/13/2021	Well Name:	GRAVITAS 2 STATE SWD
Hauler:	JHT LLC	Well #:	2
Driver	OSBALDO	Field:	
Truck #	171	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	EDDY (NM)

Facility: Red Bluff

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	20.00	yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	C2	0.00	0.00	0.00	N/A			7.00		N/A	

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

t6UJ9A01HC0U

2/2/2021 1:27:06PM

R360

TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST
(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name
Phone No.

GENERATOR

NO. 216165

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

Permit/RRC No.
Lease/Well Name & No. gravitas 2State SWD 2
County
API No. 30-015-43892
Rig Name & No.
AFE/PO No.

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

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

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

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

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

QUANTITY B - BARRELS Y - YARDS 20 E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

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

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

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE DATE SIGNATURE

TRANSPORTER

Transporter's Name J H T.
Address
Phone No.

Driver's Name Oscar E.
Print Name
Phone No.
Truck No. 171

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

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

DISPOSAL FACILITY

TRUCK TIME STAMP IN: 9:57 AM OUT:

RECEIVING AREA Name/No. D1

Site Name/Permit No. Red Bluff Facility/ STF-065
Address 5053 US Highway 285, Orla, TX 79770
Phone No. 432-448-4239

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

Chemical Analysis (Mg/l) Chloride
Conductivity (mmhos/cm) pH

TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
Received		

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

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

Maria Navarrete 1-13-21 ROC M Navarrete

NAME (PRINT) DATE TITLE SIGNATURE

White - ORIGINAL Blue - TRANSPORTER Yellow - GENERATOR Version 1

CHEVRON
MCBU

Carlsbad, NM

NO #CAR-

NON-HAZARDOUS WASTE MANIFEST 1. PAGE 1 OF 1 2. TRAILER NO.

GENERATOR

3. COMPANY NAME: CHEVRON CARLSBAD
PHONE NO.: 575-887-5676
4. ADDRESS: 3150 E. GREENE ST.
CITY STATE ZIP: CARLSBAD, NM 88220
5. PICK-UP DATE: 1-13-21
6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT WT/Vol.	11.
a. Contaminated Dirt		TT	20yds		
b. Grenadier SWD #2					
c. API 3001543892001					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS:

13. WASTE PROFILE NO.

14. IN CASE OF EMERGENCY OR SPILL, CONTACT
CHEVRON CARLSBAD
24-HOUR EMERGENCY NO. 575-887-5676

15. **GENERATOR'S CERTIFICATION:** Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME: Erik Saiz ESPG
SIGNATURE: [signature]
DATE

TRANSPORTERS

16. **TRANSPORTER (1)**
NAME: Texas Haul
IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE:

17. **TRANSPORTER (2)**
NAME
IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE:

18. **TRANSPORTER** (1): Acknowledgment of receipt of material
PRINTED/TYPED NAME:
SIGNATURE: DATE 1-13-21

19. **TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME
SIGNATURE DATE

DISPOSAL FACILITY

A R360 Environmental Solutions - Red Bluff
5053 US Highway 285
Orla, TX 79770 (432) 448-4239
PHONE:

PERMIT NO.

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
Maria Navarrete	D1	9:51 AM	1-13-21

Disposal Site: Please complete Disposal Facility section at bottom of form and mail copy of completed form to Chevron Carlsbad 3150 E. Greene St. Carlsbad, NM 88220

GENERATOR: COPY 1 TRANSPORTER: COPY 2 DISPOSAL SITE: COPY 3 & 4

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CHEVRON MIDCONTINENT LP	Ticket #:	740-259561
Customer #:	RBF1920	Bid #:	O6UJ9A000GPB
Ordered by:	ERIK SAIZ	Date:	1/13/2021
AFE #:		Generator:	Chevron
PO #:		Generator #:	
Manifest #:	216170	Well Ser. #:	43892
Manif. Date:	1/13/2021	Well Name:	GRAVITAS 2 STATE SWD
Hauler:	JHT LLC	Well #:	2
Driver	ROVEL	Field:	
Truck #	176	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	EDDY (NM)

Facility: Red Bluff

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	20.00	yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	C2	0.00	0.00	0.00	N/A			7.00		N/A	

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

t6UJ9A01HC1H

2/2/2021 1:27:06PM

R360 ENVIRONMENTAL SOLUTIONS

TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST
(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name
Phone No.

GENERATOR

NO. 216170

Operator No.
Operators Name: Chevron Carlsbad
Address
City, State, Zip
Phone No.

Permit/RRC No.
Lease/Well Name & No.: Gravitas SWD #2
County
API No.: 30015438920001
Rig Name & No.
AFE/PO No.

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

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

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

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

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

QUANTITY B - BARRELS Y - YARDS 20 E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

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

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

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE DATE SIGNATURE

TRANSPORTER

Transporter's Name: R y M Trucking JHT
Address
Phone No.

Driver's Name: Rovel Delgado
Print Name
Phone No.
Truck No.: 176

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

SHIPMENT DATE DRIVER'S SIGNATURE DELIVERY DATE: 01-13-21 DRIVER'S SIGNATURE: R.D.C

TRUCK TIME STAMP
IN: 10:19AM OUT:

DISPOSAL FACILITY

RECEIVING AREA Name/No.: D1

Site Name/Permit No.: Red Bluff Facility/ STF-065
Address: 5053 US Highway 285, Orla, TX 79770
Phone No.: 432-448-4239

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

Chemical Analysis (Mg/l) Chloride — Conductivity (mmhos/cm) — pH

TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
Received		

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

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

NAME (PRINT): Maria Navarrete DATE: 1-13-21 TITLE: ROC SIGNATURE: MNavarrete

White - ORIGINAL Blue - TRANSPORTER Yellow - GENERATOR

Version 1

CHEVRON
MCBU
Carlsbad, NM

NO #CAR- **NON-HAZARDOUS WASTE MANIFEST** | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
CHEVRON CARLSBAD PHONE NO. 575-887-5676	3150 E. GREENE ST. CITY STATE ZIP CARLSBAD, NM 88220	6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT WT/Vol.	11.
a. Contaminated Dirt					
b. Groundless Soils #2					
c. API 30-015-39972 2010					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS:

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

CHEVRON CARLSBAD — 24-HOUR EMERGENCY NO. 575-887-5676

15. **GENERATOR'S CERTIFICATION:** Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME	SIGNATURE	DATE
Erik Saiz EHSPG		

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME R+M	NAME
IN CASE OF EMERGENCY CONTACT: Trent [illegible]	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: [illegible]	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME [illegible]	PRINTED/TYPED NAME
SIGNATURE DATE 1-13-21	SIGNATURE DATE

DISPOSAL FACILITY

	ADDR Environmental Solutions - Red Bluff 5053 US Highway 285	PHONE:
PERMIT NO.	Orla, TX 79770	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
Mona Navarrete		10:17 AM	1-13-21

Disposal Site: Please complete Disposal Facility section at bottom of form and mail copy of completed form to Chevron Carlsbad 3150 E. Greene St. Carlsbad, NM 88220

GENERATOR: COPY 1 TRANSPORTER: COPY 2 DISPOSAL SITE: COPY 3 & 4

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CHEVRON MIDCONTINENT LP	Ticket #:	740-259562
Customer #:	RBF1920	Bid #:	O6UJ9A000GPB
Ordered by:	ERIK SAIZ	Date:	1/13/2021
AFE #:		Generator:	Chevron
PO #:		Generator #:	
Manifest #:	216171	Well Ser. #:	43892
Manif. Date:	1/13/2021	Well Name:	GRAVITAS 2 STATE SWD
Hauler:	JHT LLC	Well #:	2
Driver	ALONZO	Field:	
Truck #	160	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	EDDY (NM)

Facility: Red Bluff

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	20.00	yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	C2	0.00	0.00	0.00	N/A			7.00		N/A	

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

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2/2/2021 1:27:07PM

R360

TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name
Phone No.

GENERATOR

NO. 216171

Operator No.
Operators Name: Chevron Carlsbad
Address
City, State, Zip
Phone No.

Permit/RRC No.
Lease/Well Name & No.: Gravitas SWD #2
County
API No.: 3001543892000 1
Rig Name & No.
AFE/PO No.

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

Oil Based Muds		NON-INJECTABLE WATERS		OTHER EXEMPT WASTES (type and generation process of the waste)
Oil Based Cuttings		Washout Water (Non-Injectable)		
Water Based Muds		Completion Fluid/Flow back (Non-Injectable)		
Water Based Cuttings		Produced Water (Non-Injectable)		
Produced Formation Solids		Gathering Line Water/Waste (Non-Injectable)		
Tank Bottoms		INTERNAL USE ONLY		
E&P Contaminated ~~Soil~~	7	Truck Washout (exempt waste)		BELL
Gas Plant Waste				

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

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

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

QUANTITY B - BARRELS Y - YARDS 20 E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

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

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

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

[PRINT] AUTHORIZED AGENTS SIGNATURE DATE SIGNATURE

TRANSPORTER

Transporter's Name: RyM Trucking JHT
Address
Phone No.

Driver's Name: Alonzo Villa Rodriguez
Print Name
Phone No.
Truck No. 160

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

SHIPMENT DATE DRIVER'S SIGNATURE

01-13-21 DELIVERY DATE

Alonso Villa DRIVER'S SIGNATURE

DISPOSAL FACILITY

TRUCK TIME STAMP IN: 10:21AM OUT:

RECEIVING AREA Name/No. D1

Site Name/Permit No.: Red Bluff Facility/ STF-065
Phone No.: 432-448-4239
Address: 5053 US Highway 285, Orla, TX 79770

NORM READINGS TAKEN? (Circle One) ~~YES~~ NO 7
If YES, was reading > 50 micro roentgens? (circle one) YES ~~NO~~

Chemical Analysis (Mg/l) Chloride
Conductivity (mmhos/cm) pH

TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
Received		

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

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

Marco Navarrete NAME (PRINT) 1-13-21 DATE TITLE SIGNATURE

White - ORIGINAL Blue - TRANSPORTER Yellow - GENERATOR Version 1

CHEVRON
MCBU
Carlsbad, NM

NO #CAR- [illegible] **NON-HAZARDOUS WASTE MANIFEST** | 1. PAGE 1 OF 1 | 2. TRAILER NO. [illegible]

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
CHEVRON CARLSBAD PHONE NO. 575-887-5676	3150 E. GREENE ST. CITY STATE ZIP CARLSBAD, NM 88220	6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT WT/Vol.	11.
a. Contaminated Dirt					
b. Gravels and Sand #2					
c. API 30015438920001					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS:	13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

CHEVRON CARLSBAD — 24-HOUR EMERGENCY NO. 575-887-5676

15. **GENERATOR'S CERTIFICATION:** Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME	SIGNATURE	DATE
Erik Sanz ESPG		

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME [illegible]	NAME
IN CASE OF EMERGENCY CONTACT: [illegible]	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 432-212-7662	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME [illegible]	PRINTED/TYPED NAME
SIGNATURE [illegible] DATE [illegible]	SIGNATURE DATE

DISPOSAL FACILITY

R360 Environmental Solutions - Red Bluff ADDRESS: 5053 US Highway 285 Orla, TX 79770 432-448-4220		PHONE:
PERMIT NO.	20. COMMENTS	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
Maria Navarrete		1.13.21	10:20 AM

Disposal Site: Please complete Disposal Facility section at bottom of form and mail copy of completed form to Chevron Carlsbad 3150 E. Greene St. Carlsbad, NM 88220

GENERATOR: COPY 1 TRANSPORTER: COPY 2 DISPOSAL SITE: COPY 3 & 4

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CHEVRON MIDCONTINENT LP	Ticket #:	740-259563
Customer #:	RBF1920	Bid #:	O6UJ9A000GPB
Ordered by:	ERIK SAIZ	Date:	1/13/2021
AFE #:		Generator:	Chevron
PO #:		Generator #:	
Manifest #:	216174	Well Ser. #:	43892
Manif. Date:	1/13/2021	Well Name:	GRAVITAS 2 STATE SWD
Hauler:	JHT LLC	Well #:	2
Driver	ROBERT	Field:	
Truck #	50	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	EDDY (NM)

Facility: Red Bluff

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	20.00	yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	C2	0.00	0.00	0.00	N/A			7.00		N/A	

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

t6UJ9A01HC1Q

2/2/2021 1:27:07PM

R360

TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST
(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name
Phone No.

GENERATOR

NO. 216174

Operator No.
Operators Name X Robert Cueto
Address Chevron
City, State, Zip
Phone No.

Permit/RRC No.
Lease/Well Name & No. X Grantas SWD 2
County
API No. X 300154 389 20001
Rig Name & No.
AFE/PO No.

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

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

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

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

QUANTITY B - BARRELS Y - YARDS X 90 E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

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

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

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE DATE SIGNATURE

TRANSPORTER

Transporter's Name X A&M / JHT
Address
Phone No.

Driver's Name X Robert Cueto
Print Name
Phone No.
Truck No. X 50

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

SHIPMENT DATE DRIVER'S SIGNATURE X 1-13-21 DELIVERY DATE X DRIVER'S SIGNATURE

DISPOSAL FACILITY

TRUCK TIME STAMP IN: 10:20AM OUT:

RECEIVING AREA Name/No. D1

Site Name/Permit No. Red Bluff Facility/ STF-065
Address 5053 US Highway 285, Orla, TX 79770
Phone No. 432-448-4239

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

Chemical Analysis (Mg/l) Chloride ~~7~~ Conductivity (mmhos/cm) pH

TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
Received		

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

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

Mana Navarro NAME (PRINT) 1-13-21 DATE ROC TITLE MNavarro SIGNATURE

White - ORIGINAL Blue - TRANSPORTER Yellow - GENERATOR Version 1

CHEVRON
MCBU
Carlsbad, NM

NO #CAR- [illegible] **NON-HAZARDOUS WASTE MANIFEST** | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
CHEVRON CARLSBAD PHONE NO. 575-887-5676	3150 E. GREENE ST. CITY STATE ZIP CARLSBAD, NM 88220	1-13 6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT WT/Vol.	11.
a. Contaminated Dirt		TT	20		
b. Crawford Swd #2					
c. API 30-015-[illegible]					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS:	13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

CHEVRON CARLSBAD — 24-HOUR EMERGENCY NO. 575-887-5676

15. **GENERATOR'S CERTIFICATION:** Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME	SIGNATURE	DATE
Erik Soto ESP	[signature]	

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME JHT	NAME
IN CASE OF EMERGENCY CONTACT:	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE:	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME	PRINTED/TYPED NAME
SIGNATURE DATE	SIGNATURE DATE

DISPOSAL FACILITY

	ADDRESS:	PHONE:
	R360 Environmental Solutions - Red Bluff 5053 US Highway 285 Orla, TX 79770	432-448-4239
PERMIT NO.	20. COMMENTS	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
Maria Navarrete		1-13-21	10:29AM

Disposal Site: Please complete Disposal Facility section at bottom of form and mail copy of completed form to Chevron Carlsbad 3150 E. Greene St. Carlsbad, NM 88220

GENERATOR: COPY 1 TRANSPORTER: COPY 2 DISPOSAL SITE: COPY 3 & 4

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CHEVRON MIDCONTINENT LP	Ticket #:	740-259568
Customer #:	RBF1920	Bid #:	O6UJ9A000GPB
Ordered by:	ERIK SAIZ	Date:	1/13/2021
AFE #:		Generator:	Chevron
PO #:		Generator #:	
Manifest #:	216166	Well Ser. #:	43892
Manif. Date:	1/13/2021	Well Name:	GRAVITAS 2 STATE SWD
Hauler:	JHT LLC	Well #:	2
Driver	OSBALDO	Field:	
Truck #	171	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	EDDY (NM)

Facility: Red Bluff

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	20.00	yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	C2	0.00	0.00	0.00	N/A			7.00		N/A	

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

t6UJ9A01HC39

2/2/2021 1:27:08PM

R360

TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name
Phone No.

GENERATOR

NO. 216166

Operator No.
Operators Name: Chevron
Address
City, State, Zip
Phone No.

Permit/RRC No.
Lease/Well Name & No.: Gravitas 30 P #2
County
API No.: 30015438912
Rig Name & No.
AFE/PO No.

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

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

Be/M

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

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

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

QUANTITY B - BARRELS Y - YARDS 20 E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

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

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

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

View attachment

(PRINT) AUTHORIZED AGENTS SIGNATURE — DATE — SIGNATURE

TRANSPORTER

Transporter's Name: JHT
Address
Phone No.

Driver's Name: Osbaldo E.
Print Name
Phone No.
Truck No.: 171

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

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

TRUCK TIME STAMP
IN: 11:28AM OUT:

DISPOSAL FACILITY

RECEIVING AREA Name/No. T3

Site Name/Permit No.: Red Bluff Facility/ STF-065
Phone No.: 432-448-4239
Address: 5053 US Highway 285, Orla, TX 79770

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

Chemical Analysis (Mg/l) Chloride: Conductivity (mmhos/cm): pH

TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
Received		

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

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

Mary Navarrete — 1-13-21 — RoC — MNavarrete

NAME (PRINT) — DATE — TITLE — SIGNATURE

White - ORIGINAL Blue - TRANSPORTER Yellow - GENERATOR

Version 1

CHEVRON
MCBU

Carlsbad, NM

NO #CAR- **NON-HAZARDOUS WASTE MANIFEST** 1. PAGE 1 OF 1 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS			5. PICK-UP DATE
CHEVRON CARLSBAD	3150 E. GREENE ST.			
PHONE NO. 575-887-5676	CITY CARLSBAD, NM 88220	STATE	ZIP	6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT WT/Vol.	11.
a. Contaminated Dirt		T	20 YDS		
b. Granitas Skid #2					
c. API 3001543892 20001					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS:

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

CHEVRON CARLSBAD — 24-HOUR EMERGENCY NO. 575-887-5676

15. **GENERATOR'S CERTIFICATION:** Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME Erik Sosa ESPG — SIGNATURE — DATE

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME R+M JHT	NAME
IN CASE OF EMERGENCY CONTACT: Texas Jackson	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 432-212-7112	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME	PRINTED/TYPED NAME
SIGNATURE DATE 1-13	SIGNATURE DATE

DISPOSAL FACILITY

ADDRESS: R360 Environmental Solutions - Red Bluff, 5053 US Highway 285, Orla, TX 79770 432-448-4299 — PHONE:

PERMIT NO. — 20. COMMENTS

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
Mona Navarrete		1-13-2021	11:29 AM

Disposal Site: Please complete Disposal Facility section at bottom of form and mail copy of completed form to Chevron Carlsbad 3150 E. Greene St. Carlsbad, NM 88220

GENERATOR: COPY 1 TRANSPORTER: COPY 2 DISPOSAL SITE: COPY 3 & 4

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CHEVRON MIDCONTINENT LP	Ticket #:	740-259569
Customer #:	RBF1920	Bid #:	O6UJ9A000GPB
Ordered by:	ERIK SAIZ	Date:	1/13/2021
AFE #:		Generator:	Chevron
PO #:		Generator #:	
Manifest #:	216172	Well Ser. #:	43892
Manif. Date:	1/13/2021	Well Name:	GRAVITAS 2 STATE SWD
Hauler:	JHT LLC	Well #:	2
Driver	ROMEL	Field:	
Truck #	176	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	EDDY (NM)

Facility: Red Bluff

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	20.00	yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	C2	0.00	0.00	0.00	N/A			7.00		N/A	

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

t6UJ9A01HC3B

2/2/2021 1:27:09PM

R360

TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST
(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name
Phone No.

GENERATOR

NO. 216172

Operator No. Chevron Carlsbad
Operators Name
Address
City, State, Zip
Phone No.

Permit/RRC No.
Lease/Well Name & No. Gravitas SWD #2
County
API No. 30015438920001
Rig Name & No.
AFE/PO No.

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

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

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

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

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

QUANTITY B - BARRELS Y - YARDS 20 E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

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

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

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE DATE SIGNATURE

TRANSPORTER

Transporter's Name RyM Trucking JHT
Address
Phone No.

Driver's Name Romel Delgado
Print Name
Phone No.
Truck No. 176

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

SHIPMENT DATE DRIVER'S SIGNATURE 01-13-21 DELIVERY DATE RDC DRIVER'S SIGNATURE

DISPOSAL FACILITY

TRUCK TIME STAMP IN: 11:40AM OUT:

RECEIVING AREA Name/No. T3

Site Name/Permit No. Red Bluff Facility/ STF-065
Address 5053 US Highway 285, Orla, TX 79770
Phone No. 432-448-4239

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

Chemical Analysis (Mg/l) Chloride 7 Conductivity (mmhos/cm) pH

TANK BOTTOMS

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

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

Mary Navarrete NAME (PRINT) 1-13-21 DATE ROC TITLE MNavarrete SIGNATURE

White - ORIGINAL Blue - TRANSPORTER Yellow - GENERATOR Version 1

CHEVRON
MCBU
Carlsbad, NM

NO #CAR-0147 **NON-HAZARDOUS WASTE MANIFEST** | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
CHEVRON CARLSBAD	3150 E. GREENE ST.	
PHONE NO. 575-887-5676	CITY STATE ZIP CARLSBAD, NM 88220	6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT WT/Vol.	11.
a. Contaminated Dirt		TT	[illegible]		
b. Grayburg South #2					
c. API 30015439920001					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS:

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

CHEVRON CARLSBAD — 24-HOUR EMERGENCY NO. 575-887-5676

15. **GENERATOR'S CERTIFICATION:** Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME: Erik Sanz ESPG | SIGNATURE | DATE

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME Romel JHT	NAME
IN CASE OF EMERGENCY CONTACT:	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE:	EMERGENCY PHONE:
18. **TRANSPORTER** (1): Acknowledgment of receipt of material	19. **TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME Romel Delgado	PRINTED/TYPED NAME
SIGNATURE RDC DATE 01-14-21	SIGNATURE DATE

DISPOSAL FACILITY

	ADDRESS Environmental Solutions - Red Bluff 5053 US Highway 285	PHONE:
PERMIT NO.	Orla, TX 79770 432-446-4239TS	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
Maria Navarrete		1-13-21	11:41AM

Disposal Site: Please complete Disposal Facility section at bottom of form and mail copy of completed form to Chevron Carlsbad 3150 E. Greene St. Carlsbad, NM 88220

GENERATOR: COPY 1 TRANSPORTER: COPY 2 DISPOSAL SITE: COPY 3 & 4

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CHEVRON MIDCONTINENT LP	Ticket #:	740-259570
Customer #:	RBF1920	Bid #:	O6UJ9A000GPB
Ordered by:	ERIK SAIZ	Date:	1/13/2021
AFE #:		Generator:	Chevron
PO #:		Generator #:	
Manifest #:	216173	Well Ser. #:	43892
Manif. Date:	1/13/2021	Well Name:	GRAVITAS 2 STATE SWD
Hauler:	JHT LLC	Well #:	2
Driver	ALONZO	Field:	
Truck #	160	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	EDDY (NM)

Facility: Red Bluff

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	20.00	yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	C2	0.00	0.00	0.00	N/A			7.00		N/A	

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

t6UJ9A01HC3Z 2/2/2021 1:27:10PM

R360

TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name
Phone No.

GENERATOR

NO. 216173

Operator No.
Operators Name: Chevron Carlsbad
Address
City, State, Zip
Phone No.

Permit/RRC No.
Lease/Well Name & No.: Gravitas SWD #2
County
API No.: 30015438920001
Rig Name & No.
AFE/PO No.

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

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

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

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

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

QUANTITY B - BARRELS Y - YARDS 20 E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

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

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

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE | DATE | SIGNATURE

TRANSPORTER

Transporter's Name: RyM Trucking JHT
Address
Phone No.

Driver's Name: Alonzo Villa
Print Name
Phone No.
Truck No.: 160

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

SHIPMENT DATE | DRIVER'S SIGNATURE | DELIVERY DATE: 01-13-21 | DRIVER'S SIGNATURE: X

TRUCK TIME STAMP IN: 12:1 OUT:

DISPOSAL FACILITY

Site Name/Permit No.: Red Bluff Facility/ STF-065
Address: 5053 US Highway 285, Orla, TX 79770
Phone No.: 432-448-4239

NORM READINGS TAKEN? (Circle One) YES NO
If YES, was reading > 50 micro roentgens? (circle one) YES NO
Chemical Analysis (Mg/l) Chloride
Conductivity (mmhos/cm) pH

RECEIVING AREA

Name/No.

TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
Received		

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

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

Maria Navarrete | 1-13-21 | | M Navarrete

NAME (PRINT) | DATE | TITLE | SIGNATURE

White - ORIGINAL Blue - TRANSPORTER Yellow - GENERATOR

Version 1

CHEVRON
MCBU
Carlsbad, NM

NO #CAR- **NON-HAZARDOUS WASTE MANIFEST** 1. PAGE 1 OF 1 2. TRAILER NO.

GENERATOR

3. COMPANY NAME: CHEVRON CARLSBAD
PHONE NO.: 575-887-5676
4. ADDRESS: 3150 E. GREENE ST.
CITY: CARLSBAD STATE: NM ZIP: 88220
5. PICK-UP DATE:
6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT WT/Vol.	11.
a. Contaminated Dirt		YT	[illegible]		
b. Empty Lab Sand Bags					
c. API 3000 STORAGE Vault					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS:

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**
CHEVRON CARLSBAD
24-HOUR EMERGENCY NO. 575-887-5676

15. **GENERATOR'S CERTIFICATION:** Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME: Erik Sanchez ESPG
SIGNATURE:
DATE:

TRANSPORTERS

16. **TRANSPORTER (1)**
NAME: RAM Jht
IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE:

17. **TRANSPORTER (2)**
NAME:
IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE:

18. **TRANSPORTER** (1): Acknowledgment of receipt of material
PRINTED/TYPED NAME:
SIGNATURE: DATE:

19. **TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME:
SIGNATURE: DATE:

DISPOSAL FACILITY

ADDRESS: R360 Environmental Solutions - Red Bluff
5053 US Highway 285
Orla, TX 79770
PHONE: 432-448-4239

PERMIT NO.

COMMENTS

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE: Maria Navarrete
CELL NO.
DATE: 1-13-2021
TIME: 12:11 PM

Disposal Site: Please complete Disposal Facility section at bottom of form and mail copy of completed form to Chevron Carlsbad 3150 E. Greene St. Carlsbad, NM 88220

GENERATOR: COPY 1 TRANSPORTER: COPY 2 DISPOSAL SITE: COPY 3 & 4

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CHEVRON MIDCONTINENT LP	Ticket #:	740-259571
Customer #:	RBF1920	Bid #:	O6UJ9A000GPB
Ordered by:	ERIK SAIZ	Date:	1/13/2021
AFE #:		Generator:	Chevron
PO #:		Generator #:	
Manifest #:	216175	Well Ser. #:	43892
Manif. Date:	1/13/2021	Well Name:	GRAVITAS 2 STATE SWD
Hauler:	JHT LLC	Well #:	2
Driver	ROBERT	Field:	
Truck #	50	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	EDDY (NM)

Facility: Red Bluff

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	20.00	yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	C2	0.00	0.00	0.00	N/A			7.00		N/A	

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

t6UJ9A01HC42

2/2/2021 1:27:10PM

R360

TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST
(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name
Phone No.

GENERATOR

NO. 216175

Operator No.
Operators Name Robert Coats Drill Site
Address Chevron
City, State, Zip
Phone No.

Permit/RRC No.
Lease/Well Name & No. Robert Coats Graritas SWD
County
API No. 30-015-43879-2001
Rig Name & No.
AFE/PO No.

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

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

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

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

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

QUANTITY B - BARRELS Y - YARDS 80 E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

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

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

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

[PRINT] AUTHORIZED AGEN'S SIGNATURE DATE SIGNATURE

TRANSPORTER

Transporter's Name RCM JHH
Address
Phone No.

Driver's Name Robert Coats
Print Name Robert Coats
Phone No.
Truck No. 50

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

SHIPMENT DATE DRIVER'S SIGNATURE 1-13-21 DELIVERY DATE DRIVER'S SIGNATURE

TRUCK TIME STAMP IN: 12:00PM OUT:

DISPOSAL FACILITY

RECEIVING AREA Name/No. T3

Site Name/Permit No. Red Bluff Facility/ STF-065
Address 5053 US Highway 285, Orla, TX 79770
Phone No. 432-448-4239

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

Chemical Analysis (Mg/l) Chloride 7 Conductivity (mmhos/cm) pH

TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
Received		

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

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

Mary Navarrete 1-12-21 Rec Mary Navarrete

NAME (PRINT) DATE TITLE SIGNATURE

White - ORIGINAL Blue - TRANSPORTER Yellow - GENERATOR

Version 1

CHEVRON
MCBU
Carlsbad, NM

NO #CAR- [illegible] **NON-HAZARDOUS WASTE MANIFEST** | 1. PAGE 1 OF 1 | 2. TRAILER NO. [illegible]

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
CHEVRON CARLSBAD PHONE NO. 575-887-5676	3150 E. GREENE ST. CITY CARLSBAD, STATE NM, ZIP 88220	[illegible] 6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	8. CONTAINERS Type	9. TOTAL QUANTITY	10. UNIT WT/Vol.	11.
a. Contaminated Dirt		17	20 yds		
b. Caprolus Sand #2					
c. API 200/5-4389 2000/					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS:

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

CHEVRON CARLSBAD — 24-HOUR EMERGENCY NO. 575-887-5676

15. **GENERATOR'S CERTIFICATION:** Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME: Erik Saiz ESPG — SIGNATURE — DATE

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME R+A	NAME
IN CASE OF EMERGENCY CONTACT: Trent Jackson	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 432-212-7662	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME	PRINTED/TYPED NAME
SIGNATURE — DATE	SIGNATURE — DATE

DISPOSAL FACILITY

R360 Environmental Solutions - Red Bluff

	ADDRESS:	PHONE:
	5053 US Highway 285 Orla, TX 79770 432-448-4239	

PERMIT NO.	20. COMMENTS

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
Maria Navarrete		1-13-21	12:31 PM

Disposal Site: Please complete Disposal Facility section at bottom of form and mail copy of completed form to Chevron Carlsbad 3150 E. Greene St. Carlsbad, NM 88220.

GENERATOR: COPY 1 — TRANSPORTER: COPY 2 — DISPOSAL SITE: COPY 3 & 4

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CHEVRON MIDCONTINENT LP	Ticket #:	740-259792
Customer #:	RBF1920	Bid #:	O6UJ9A000GPB
Ordered by:	JUAN ALVARADO	Date:	1/18/2021
AFE #:		Generator:	Chevron
PO #:		Generator #:	
Manifest #:	215713	Well Ser. #:	43892
Manif. Date:	1/18/2021	Well Name:	GRAVITAS 2 STATE SWD
Hauler:	JHT LLC	Well #:	2
Driver	MIGUEL	Field:	
Truck #	05	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	EDDY (NM)

Facility: Red Bluff

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	20.00	yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	C2	0.00	0.00	0.00	N/A			8.00		N/A	

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

t6UJ9A01HDXO

2/2/2021 1:27:11PM

R360

TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name
Phone No.

GENERATOR

NO. 215713

Operator No.
Operators Name: Chevron
Address: 3150 E. Greene St.
City, State, Zip: Carlsbad NM 88220
Phone No.: 575 887-5676

Permit/RRC No.
Lease/Well Name & No.: Gravitas SWD
County
API No.: 3001543897
Rig Name & No.
AFE/PO No.

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

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

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

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

Non-Exempt Other: *please select from **Non-Exempt Waste List** on back* 90

QUANTITY B - BARRELS Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

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

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

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

View attachment

(PRINT) AUTHORIZED AGENTS SIGNATURE | DATE | SIGNATURE

TRANSPORTER

Transporter's Name: R-M Trucking J+H
Address: 1311 S 14
Phone No.: (575)390-2163

Driver's Name: Miguel Perez
Print Name
Phone No.: (575) 631-6278
Truck No.: 05

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

01/19/2021 SHIPMENT DATE | DRIVER'S SIGNATURE

01/19/2021 DELIVERY DATE | DRIVER'S SIGNATURE

DISPOSAL FACILITY

TRUCK TIME STAMP IN: 12:37PM OUT:

RECEIVING AREA Name/No. T3

Site Name/Permit No.: Red Bluff Facility/ STF-065
Phone No.: 432-448-4239
Address: 5053 US Highway 285, Orla, TX 79770

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

Chemical Analysis (Mg/l) Chloride
Conductivity (mmhos/cm) pH

TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
Received		

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

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

Mana Navarrete 1-18-21 | DATE | TITLE | SIGNATURE

White - ORIGINAL Blue - TRANSPORTER Yellow - GENERATOR

Version 1

CHEVRON
MCBU
Carlsbad, NM

NO #CAR- NON-HAZARDOUS WASTE MANIFEST | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
CHEVRON CARLSBAD PHONE NO. 575-887-5676	3150 E. GREENE ST. CITY STATE ZIP CARLSBAD, NM 88220	01/18/2021 6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT WT/Vol.	11.
a. Contaminated Dirt	1	Dump truck	20 YDS		
b. Gravitas SW D					
c. API - 30015438917					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS:

13. WASTE PROFILE NO.

14. IN CASE OF EMERGENCY OR SPILL, CONTACT

CHEVRON CARLSBAD — 24-HOUR EMERGENCY NO. 575-887-5676

15. **GENERATOR'S CERTIFICATION:** Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED/TYPED NAME: Juan Alvarado — SIGNATURE: [signature] — DATE: 01/18/2021

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME: RM Trucking	NAME:
IN CASE OF EMERGENCY CONTACT: (575)631-6278	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE:	EMERGENCY PHONE:
18. **TRANSPORTER** (1): Acknowledgment of receipt of material	19. **TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME:	PRINTED/TYPED NAME:
SIGNATURE: [signature] DATE: 01/18/21	SIGNATURE: DATE:

DISPOSAL FACILITY

FACILITY	PHONE:
Sundance Environmental Solutions - Red Bluff 5053 US Highway 285 Orla, TX 79770	
PERMIT NO.	432-440-4888

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
[signature]		1/18/21	

Disposal Site: Please complete Disposal Facility section at bottom of form and mail copy of completed form to Chevron Carlsbad 3150 E. Greene St. Carlsbad, NM 88220

GENERATOR: COPY 1 TRANSPORTER: COPY 2 DISPOSAL SITE: COPY 3 & 4

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CHEVRON MIDCONTINENT LP	Ticket #:	740-259800
Customer #:	RBF1920	Bid #:	O6UJ9A000GPB
Ordered by:	DON COX	Date:	1/18/2021
AFE #:		Generator:	Chevron
PO #:		Generator #:	
Manifest #:	216312	Well Ser. #:	43892
Manif. Date:	1/18/2021	Well Name:	GRAVITAS 2 STATE SWD
Hauler:	FURY LOGISTICS	Well #:	2
Driver	ANDREW	Field:	
Truck #	05	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	EDDY (NM)

Facility: Red Bluff

Product / Service	Quantity	Units
Water-Based Mud	100.00	bbl

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	C2	0.00	0.00	0.00	N/A		N/A			N/A	

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

t6UJ9A01HDZL

2/2/2021 1:27:12PM

R360

TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name Don X
Phone No. (432) 848-8280

GENERATOR

NO. 216312

Operator No. Chevron
Operators Name
Address
City, State, Zip
Phone No. (432) 848-8185

Permit/RRC No.
Lease/Well Name & No. Cicada Unit 35H
County Plant Code: UWTN Co. Code: 0064
API No. API: 30-015-46344 WBS: UWDDB-D 76-DRL
Rig Name & No. Approver: Jennifer Crawford (KOIM)
AFE/PO No. Emergency Contact: 432-848-8380 Patterson 812

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

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

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

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

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

QUANTITY 100 (B - BARRELS) Y - YARDS E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

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

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

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

Don Cox (PRINT) AUTHORIZED AGENTS SIGNATURE — 1/18/2021 DATE — SIGNATURE

TRANSPORTER

Transporter's Name Fury Logistics
Address 1315 Verdel Ave
Carlsbad
Phone No. 575-988-8543

Driver's Name Andrew Garcia
Print Name
Phone No. 469-403-5930
Truck No. 65

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

1-18-21 SHIPMENT DATE — DRIVER'S SIGNATURE — 1-18-21 DELIVERY DATE — DRIVER'S SIGNATURE

DISPOSAL FACILITY

TRUCK TIME STAMP IN: 2:30PM OUT:

RECEIVING AREA Name/No. SH

Site Name/Permit No. Red Bluff Facility/ STF-065
Phone No. 432-448-4239
Address 5053 US Highway 285, Orla, TX 79770

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

Chemical Analysis (Mg/l) Chloride
Conductivity (mmhos/cm) pH

TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
Received		

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

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

Mary Rutherford (NAME (PRINT)) 1-18-21 (DATE) REC (TITLE) Mary Rutherford (SIGNATURE)

White - ORIGINAL Blue - TRANSPORTER Yellow - GENERATOR

Version 1

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CHEVRON MIDCONTINENT LP	Ticket #:	740-259803
Customer #:	RBF1920	Bid #:	O6UJ9A000GPB
Ordered by:	JUAN ALVARDO	Date:	1/18/2021
AFE #:		Generator:	Chevron
PO #:		Generator #:	
Manifest #:	215715	Well Ser. #:	43892
Manif. Date:	1/18/2021	Well Name:	GRAVITAS 2 STATE SWD
Hauler:	JHT LLC	Well #:	2
Driver	MIGUEL	Field:	
Truck #	05	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	EDDY (NM)

Facility: Red Bluff

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	20.00	yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	C2	0.00	0.00	0.00	N/A			8.00		N/A	

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

t6UJ9A01HDZY

2/2/2021 1:27:12PM

R360

TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name
Phone No.

GENERATOR

NO. 215715

Operator No.
Operators Name: Chevron
Address: Carlsbad
3150 E Greene St
City, State, Zip: NM 88220
Phone No.

Permit/RRC No.
Lease/Well Name & No.: Gravitas SWD
County
API No.: 3000154381?
Rig Name & No.
AFE/PO No.

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

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

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

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

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

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

QUANTITY B - BARRELS Y - YARDS 30 E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

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

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

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

(PRINT) AUTHORIZED AGENTS SIGNATURE DATE SIGNATURE

TRANSPORTER

Transporter's Name: R-M Trucking, LLC
Address: 1311 S 14th St
Hobbs NM 88240
Phone No.

Driver's Name: Miguel Perez
Print Name
Phone No.: (575) 631-6248
Truck No.: 05

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

SHIPMENT DATE DRIVER'S SIGNATURE 1-18-21 DELIVERY DATE DRIVER'S SIGNATURE

DISPOSAL FACILITY

TRUCK TIME STAMP IN: 2:34 PM OUT:

RECEIVING AREA Name/No. T3

Site Name/Permit No.: Red Bluff Facility/ STF-065
Phone No.: 432-448-4239
Address: 5053 US Highway 285, Orla, TX 79770

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

Chemical Analysis (Mg/l) Chloride
Conductivity (mmhos/cm) pH

TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
Received		

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

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

Maria Navarro 1-18-21 RC M Navarro

NAME (PRINT) DATE TITLE SIGNATURE

White - ORIGINAL Blue - TRANSPORTER Yellow - GENERATOR Version 1

CHEVRON
MCBU
Carlsbad, NM

NO #CAR- [illegible] **NON-HAZARDOUS WASTE MANIFEST** | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
CHEVRON CARLSBAD PHONE NO. 575-887-5676	3150 E. GREENE ST. CITY STATE ZIP CARLSBAD, NM 88220	6

7. NAME OR DESCRIPTION OF WASTE SHIPPED	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT WT/Vol.	11.
a. Contaminated Soil					
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS:

13. WASTE PROFILE NO.

14. IN CASE OF EMERGENCY OR SPILL, CONTACT: CHEVRON CARLSBAD — 24-HOUR EMERGENCY NO.: 575-887-5676

15. **GENERATOR'S CERTIFICATION:** Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED/TYPED NAME: Dan Alvarado — SIGNATURE: [signature] — DATE: [illegible]

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME: [illegible]	NAME:
IN CASE OF EMERGENCY CONTACT: [illegible]	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE:	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER (2):** Acknowledgment of receipt of material
PRINTED/TYPED NAME:	PRINTED/TYPED NAME:
SIGNATURE: [signature] DATE: 1-15-21	SIGNATURE: DATE:

DISPOSAL FACILITY

ADDRESS: R360 Environmental Solutions - Red Bluff, 5053 US Highway 285 — PHONE: 432-448-4239

PERMIT NO.: Order TR0070

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
[signature]		1-16-21	[illegible]

Disposal Site: Please complete Disposal Facility section at bottom of form and mail copy of completed form to Chevron Carlsbad 3150 E. Greene St. Carlsbad, NM 88220

GENERATOR: COPY 1 TRANSPORTER: COPY 2 DISPOSAL SITE: COPY 3 & 4

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	CHEVRON MIDCONTINENT LP	Ticket #:	740-259805
Customer #:	RBF1920	Bid #:	O6UJ9A000GPB
Ordered by:	ERIK SAIZ	Date:	1/18/2021
AFE #:		Generator:	Chevron
PO #:		Generator #:	
Manifest #:	215714	Well Ser. #:	43892
Manif. Date:	1/18/2021	Well Name:	GRAVITAS 2 STATE SWD
Hauler:	JHT LLC	Well #:	2
Driver	MIGUEL	Field:	
Truck #	05	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	EDDY (NM)

Facility: Red Bluff

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	20.00	yards

	Cell	pH	Cl	Cond.	%Solids	TDS	PCI/GM	MR/HR	H2S	% Oil	Weight
Lab Analysis:	C2	0.00	0.00	0.00	N/A			8.00		N/A	

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

t6UJ9A01HE1D

2/2/2021 1:27:13PM

R360

TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST
(PLEASE PRINT) *REQUIRED INFORMATION*

Company Man Contact Information
Name
Phone No.

GENERATOR

NO. 215714

Operator No.
Operators Name: Chevron
Address: 3150 E Greene St
City, State, Zip: Carlsbad, NM 88220
Phone No.: (575) 887-5676

Permit/RRC No.
Lease/Well Name & No.: Gravitas SWD
County
API No.: 3001543842000)
Rig Name & No.
AFE/PO No.

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

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

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

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

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

QUANTITY B - BARRELS Y - YARDS 20 yards E - EACH

I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation.

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

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

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Other (Provide Description Below)

New attachment

(PRINT) AUTHORIZED AGENTS SIGNATURE DATE SIGNATURE

TRANSPORTER

Transporter's Name
Address: R-M Trucking 1311 14th St Hobbs NM 88240
Phone No.

Driver's Name: Miguel Perez
Print Name
Phone No.: (575) 631-6278
Truck No.: 05

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

1-18-21 SHIPMENT DATE DRIVER'S SIGNATURE

1-18-21 DELIVERY DATE Miguel Perez DRIVER'S SIGNATURE

TRUCK TIME STAMP IN: 3:00 OUT:

DISPOSAL FACILITY

RECEIVING AREA Name/No.

Site Name/ Permit No.: Red Bluff Facility/ STF-065
Address: 5053 US Highway 285, Orla, TX 79770
Phone No.: 432-448-4239

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

Chemical Analysis (Mg/l) Chloride Conductivity (mmhos/cm) pH

TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
Received		

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

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

Maria Arellano 1-18-21 RC MNavarro

NAME (PRINT) DATE TITLE SIGNATURE

White - ORIGINAL Blue - TRANSPORTER Yellow - GENERATOR Version 1

CHEVRON
MCBU
Carlsbad, NM

NO #CAR- **NON-HAZARDOUS WASTE MANIFEST** | 1. PAGE 1 OF | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
CHEVRON CARLSBAD	3150 E. GREENE ST.	
PHONE NO. 575-887-5676	CITY STATE ZIP CARLSBAD, NM 88220	6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT WT/Vol.	11.
a.					
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS:

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

CHEVRON CARLSBAD — 24-HOUR EMERGENCY NO. 575-887-5676

15. **GENERATOR'S CERTIFICATION:** Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME | SIGNATURE | DATE

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME	NAME
IN CASE OF EMERGENCY CONTACT:	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE:	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME	PRINTED/TYPED NAME
SIGNATURE DATE	SIGNATURE DATE

DISPOSAL FACILITY

	ADDRESS: R360 Environmental Solutions - Red Bluff 5053 US Highway 285 Orla, TX 79770	PHONE: 432-448-4239
PERMIT NO.	20. COMMENTS	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
Maria Navarrete		1-8-21	3:45 PM

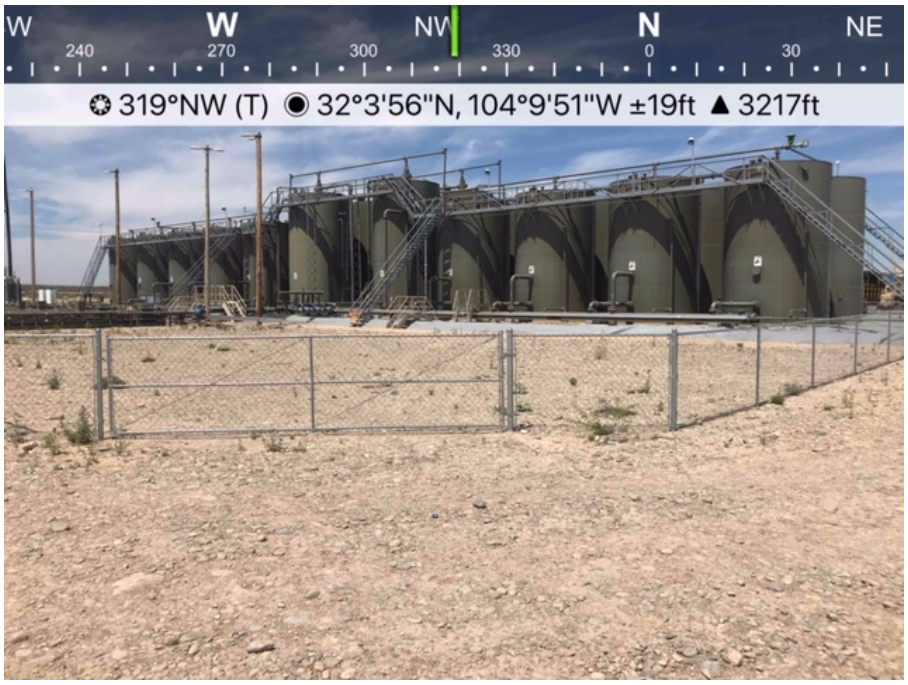
Disposal Site: Please complete Disposal Facility section at bottom of form and mail copy of completed form to Chevron Carlsbad 3150 E. Greene St. Carlsbad, NM 88220

GENERATOR: COPY 1 TRANSPORTER: COPY 2 DISPOSAL SITE: COPY 3 & 4

Appendix F

Photographs

Tracking Number: nRM2009062305
Closure Report
Chevron USA, Inc., Gravitas 2 State SWD #002
Produced Water Release
February 11, 2021



Spill within lined containment viewing northwest

Spill within lined containment viewing west

Tracking Number: nRM2009062305
Closure Report
Chevron USA, Inc., Gravitas 2 State SWD #002
Produced Water Release
February 11, 2021

Spill within lined containment viewing southwest/west

Spill within lined containment viewing east

Tracking Number: nRM2009062305
Closure Report
Chevron USA, Inc., Gravitas 2 State SWD #002
Produced Water Release
February 11, 2021

Proposed excavation area viewing west

Tracking Number: nRM2009062305
Closure Report
Chevron USA, Inc., Gravitas 2 State SWD #002
Produced Water Release
February 11, 2021

Excavated soil encompassing sample locations C-1 through C-3 and Sidewall N&W, January 4, 2021

Excavated soil encompassing sample location Sidewall S&E, January 4, 2021

Tracking Number: nRM2009062305
Closure Report
Chevron USA, Inc., Gravitas 2 State SWD #002
Produced Water Release
February 11, 2021

Additional excavated soil from the sidewall N+W, January 28, 2021

Backfilled excavation, January 29, 2021

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

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

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 19227
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
ceads	None	6/28/2021