



SITE CHARACTERIZATION AND PROPOSED REMEDIATION PLAN

**LEHMAN FEDERAL #11
UNIT L, SECTION 18, TOWNSHIP 19S, RANGE 25E
EDDY COUNTY, NEW MEXICO
32.6592178, -104.530838
RANGER REFERENCE NO. 5375**

PREPARED FOR:

**EOG RESOURCES, INC.
ARTESIA DIVISION
105 S 4TH STREET
ARTESIA, NEW MEXICO 88210**

PREPARED BY:

**RANGER ENVIRONMENTAL SERVICES, INC.
P.O. BOX 201179
AUSTIN, TEXAS 78720**

DECEMBER 2, 2021

A blue ink signature of Patrick K. Finn, consisting of stylized initials and a surname.

**Patrick K. Finn, P.G. (TX)
Project Geoscientist**

A blue ink signature of William Kierdorf, consisting of stylized initials and a surname.

**William Kierdorf, REM
Project Manager**

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FORM C-141

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- Soil BTEX (EPA 8260), TPH (EPA 8015) & Chloride (EPA 300) Analytical Data

ATTACHMENTS

- Attachment 1 – Depth-to-Groundwater Data
- Attachment 2 – Photographic Documentation
- Attachment 3 – Laboratory Analytical Reports
- Attachment 4 – Howell Ranch Seed Mixture



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32.6592178, -104.530838
RANGER REFERENCE NO. 5375**

1.0 SITE LOCATION AND BACKGROUND

The Lehman Federal #11 (Site) is an inactive oil and gas well location located on private land, approximately 14.75 miles south-southwest of Artesia, within Eddy County, New Mexico. The facility is situated in Unit L, Section 18, T19S-R25E at GPS coordinates 32.6592178, -104.530838.

An area of a potential release was reported to EOG Resources Inc. (EOG) by representatives of the surface property owner, Howell Ranch Revocable Trust (Howell Ranch). The reported area was noted to be in the vicinity of former well head location within the historic well pad footprint.

EOG has engaged Ranger Environmental Services, Inc. (Ranger) to assist in the assessment and remediation efforts at the Site. On August 26, 2021, Ranger personnel conducted an assessment of the reported area which included the collection of soil samples for laboratory analysis. Due to the observed size of the potential release area, the area was reported to the New Mexico Oil Conservation Division (NMOCD) on September 16, 2021 (NMOCD Incident # nAPP2125956676).

The following proposed remediation work plan has been prepared to address the soil impacts at the Site.

A copy of the previously submitted Form C-141 Release Notification, as well as the Site Assessment/Characterization and Remediation Plan sections of Form C-141, are attached. A Topographic Map and Area Map noting the location of the subject Site and surrounding areas, and a Site Map illustrating the Site features and sampling locations, are provided in the Figures section.

2.0 SITE CHARACTERIZATION

2.1 Depth-to-Groundwater

To determine the depth-to-groundwater in the vicinity of the Site, data available from the U.S. Geological Survey (USGS) and the New Mexico Office of the State Engineer (NMOSE) was reviewed. Based upon the reviewed information, recent water well information within a half mile of the Site is limited.

Based on the reviewed information, it is believed that depth-to-groundwater in the area is greater than 50 feet below ground surface (bgs).

Copies of the reviewed depth-to-groundwater information is attached.

2.2 Wellhead Protection Area

Based upon the USGS and NMOSE information, one water well was plotted within a half-mile of the Site. The well (RA 04426) location information observed on the NMOSE web portal plotted the well approximately 1,800 feet southeast of the site. However, a well has not been observed at this location. It appears that either the well is no longer present, or the location information from the NMOSE is incorrect.

Upon review of the National Wetland Inventory Mapper, the Site is not within 300 feet of a mapped feature.

The Site and impacted area are outside of the FEMA 100-year flood plain and fall in the area of minimal flood hazard.

The Site is noted to be in an area of "Medium Karst" probability.

2.3 Distance to Nearest Significant Watercourse

Based upon available online resources, no significant watercourses are present within a half-mile of the site.

3.0 SITE ASSESSMENT

3.1 August 26, 2021 – Initial Site Assessment and Sampling Results

On August 26, 2021, Ranger personnel and representatives for EOG mobilized to the Site to conduct assessment activities. To assess conditions of the reported area, a total of seven test excavations were completed ("TH-1" through "TH-7").

At the time of the test excavation installation process, Ranger personnel conducted field screening of the generated soils using an organic vapor monitor (OVM) and a field chloride titration kit to assist in evaluating the soil conditions and/or levels of impacts in the area. Field screening of the encountered soils was conducted at the surface and at one-foot increments to the total test excavation depth. The test excavations were completed to depths where field readings indicated that soil conditions were within the most stringent Table 1 Criteria, or to the maximum depth of the on-site equipment.

During the installation process, field chloride titrations indicated that elevated soil chloride concentrations were present in several of the test excavations. No discolored soils or elevated OVM readings were encountered during the assessment process. At one location ("TH-5"), elevated chloride readings were detected to the maximum extent of the on-site equipment, approximately 15 feet bgs.

During the test excavation installation process, soil samples were collected for laboratory analysis from each test excavation at various depth intervals in order to assist in delineating the elevated chloride concentrations. A total of 21 soil samples were collected for laboratory analysis. Upon collection, the soil samples were submitted to Hall Environmental in Albuquerque, New Mexico for analysis of total petroleum hydrocarbons (TPH) using EPA Method 8015; benzene, toluene, ethylbenzene and xylenes (BTEX) using EPA Method 8021; and, total chloride using EPA Method 300. The samples were collected and managed using standard QA/QC and chain-of-custody procedures.

Upon review of the soil sample analytical results, eight samples from five test excavations were noted to have chloride concentrations in exceedance of the Table 1 Criteria. A majority of the elevated chloride concentrations were limited to the surface to five foot depth interval, however at test excavation "TH-5", elevated chloride concentrations were detected at the maximum depth of the excavation (approximately 15 feet bgs). Additionally, two samples from separate test excavations were noted to have TPH concentrations in exceedance of the Table 1 Criteria. The documented TPH concentrations detected in the test excavation locations were limited to the surface and one foot depth intervals.

Based on the locations and depths of the observed impacts at the site, additional assessment activities were deemed necessary to appropriately delineate the impacts at the site.

The soil sample analytical results are summarized in the attached soil analytical table. Copies of the laboratory analytical reports are also attached.

3.2 November 17, 2021 – Additional Site Assessment

On November 17, 2021, Ranger personnel and representatives for EOG returned to the site to complete additional assessment activities to assist in delineating the observed impacts at the site.

During the assessment process, equipment capable of reaching depths of 21 feet was utilized. A total of nine test excavations were completed in the area to assist in the vertical and horizontal delineation of elevated chloride concentrations. During the installation process, Ranger personnel once again conducted field screening of the generated soils using an OVM and a field chloride titration kit to assist in evaluating the soil conditions and/or levels of impacts in the area.

In the area of "TH-5" two additional test excavations ("TH-5A" and "TH-5B") were completed to a depth of 21 feet bgs in order to determine the vertical extent of impacts in the area. The remaining test excavations ("TH-8" through "TH-11") were completed in strategic locations to assist in the horizontal delineation of the impacts in the area.

Soil samples were collected for laboratory analysis from each test excavation at various depth intervals in order to assist in delineating the elevated chloride concentrations. A total of 27 soil samples were collected for laboratory analysis. Upon collection, the soil samples were submitted to Hall Environmental in Albuquerque, New Mexico for analysis of TPH, BTEX, and chloride using the aforementioned laboratory methods. The samples were collected and managed using standard QA/QC and chain-of-custody procedures.

Upon review of the laboratory analytical report for the samples collected during the November 17, 2021 assessment, it appears that the impacts at the site have been appropriately delineated. The vertical extent of impacts in the area exhibiting the highest chloride concentrations ("TH-5") were

documented to not exceed a depth of 18 feet bgs. Additionally, the horizontal impacts at the location have been delineated.

4.0 PROPOSED REMEDIATION PLAN

4.1 Soil Excavation

To address the elevated soil chloride concentrations at the Site, limited soil excavation activities with installation of a geosynthetic clay liner are proposed. Based on the samples collected during the assessment activities, the elevated chloride concentrations are primarily limited to the surface to five foot bgs interval. However, in four of the assessed locations, concentrations in exceedance of 600 ppm chloride were documented beyond the six foot depth interval.

Based upon the above, it is proposed to conduct soil excavation activities to a maximum depth of approximately six feet bgs. The area excavated to six feet bgs will comprise a majority of the area documented to have elevated chloride concentrations and will address the two areas noted to have elevated TPH concentrations. In two areas immediately north and south of the main six-foot-deep excavation area soil removal operations will be completed to a depth of approximately three feet bgs, where samples previously collected in the area indicate that the areas are within the applicable Restoration Criteria. A Proposed Soil Excavation Map is attached.

Based on the proposed excavation boundaries and depths, it is anticipated that approximately 1,100 cubic yards of material will be generated during the site remediation process. The excavated material will be transported off-site for disposal at an approved disposal facility.

4.2 Confirmation Sampling

In order to assess the final extent of the excavation boundaries, it is proposed to collect confirmation samples for laboratory analysis.

To assess the base of the area excavated to a depth of approximately six feet bgs, it is proposed to collect a total of six grab samples from various locations from the excavation base. Additionally, two grab samples are proposed to be collected from each of the two areas completed to a depth of approximately three feet. A Site Map depicting the proposed sample locations is attached.

To confirm the excavation side walls are in attainment of the applicable Restoration, Reclamation and Re-Vegetation criteria, it is proposed to collect samples from the excavation walls in accordance with NMAC 19.15.29.12(D), as five-part composite samples with each sample representing no more than 200 square feet. The sample parts will be collected from various locations and depths along the excavation side walls. Upon collection, the composite sample parts will be placed into a new Ziplock® bag, thoroughly mixed, and a sample for laboratory analysis will be collected from the mixture.

The cleanup confirmation soil samples will be collected using standard QA/QC procedures, placed into laboratory-supplied containers, and will be immediately placed into a sample shuttle containing ice. The samples will be transported to an approved laboratory for analysis of TPH using EPA Method 8015; BTEX using EPA Method 8021; and, total chloride using EPA Method 300.

4.3 Sample Results and Closure Criteria

Based upon the Site characterization details, in conjunction with information from the site assessment activities, and proposed liner installation, it is proposed that the samples collected at the site from a depth greater than four feet bgs be compared to the Table 1 19.15.29.12 NMAC (groundwater 50'-100' feet) criteria. The samples collected from the excavation side walls and areas completed to less than four feet bgs will be compared to the Restoration, Reclamation and Re-Vegetation criteria detailed in 19.15.29.13 NMAC (Restoration Criteria). The proposed closure criteria are detailed below:

REGULATORY STANDARD	CHLORIDE	TPH (GRO+DRO +MRO)	TPH (GRO+DRO)	BTEX	BENZENE
19.15.29.12 NMAC Table 1 Closure Criteria for Soils Impacted by a Release (GW 51'-100')	10,000	2,500	1,000	50	10
19.15.29.13 NMAC Restoration, Reclamation and Re-Vegetation (Soils 0'-4')	600	100 ¹	---	50 ¹	10 ¹

All Values Presented in Parts Per Million (mg/Kg)

1. Value derived from the State of New Mexico Energy, Minerals and Natural Resources Department document Procedures for the Implementation of the Spill Rule (19.15.29 NMAC) dated September 6, 2019.

If any samples are found to have concentrations in exceedance of the proposed criteria, additional removal and re-sampling will be completed until the areas are found to be in attainment of proposed criteria.

4.4 Liner Installation, Backfill, and Reclamation

Upon attainment of the 19.15.29.13 NMAC Reclamation Criteria and Restoration Criteria, the excavated area will be backfilled with clean fill material. Prior to the backfilling of the area excavated to a depth of approximately six feet bgs, a geosynthetic clay liner (GCL) will be installed in the area to limit any potential migration of chloride concentrations.

The excavated areas will be backfilled to grade with clean fill material of similar type to that which was removed. The location will then be re-vegetated with the James H & Betty R Howell Revocable Trust Seed Mix.

4.5 Remediation Schedule

Upon approval of the proposed remediation plan, all field activities will be scheduled as soon as reasonably possible. It is anticipated that the soil removal operations and cleanup confirmation soil sampling activities will be completed within 120 days of initiation.

Appropriate notification to the NMOCD will be provided prior to the performance of the cleanup confirmation soil sampling activities.

5.0 SITE CLOSURE

Upon completion of the remedial and backfilling activities at the Site, a C-141 Closure Report will be submitted to the NMOCD, and site closure will be requested. The Closure Report will be completed in accordance with the closure reporting criteria detailed in NMAC 19.15.29.12(E).

FORM C-141

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	nAPP2125956676
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party EOG Resources, Inc.	OGRID 7377
Contact Name Chase Settle	Contact Telephone 575-748-1471
Contact email Chase_Settle@eogresources.com	Incident # (assigned by OCD)
Contact mailing address 104 S. 4th Street, Artesia, NM 88210	

Location of Release Source

Latitude 32.6592178 Longitude -104.530838
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Lehman Federal Com #11	Site Type Well Pad
Date Release Discovered 09/03/2021	API# 30-015-26711

Unit Letter	Section	Township	Range	County
L	18	19S	25E	Eddy

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name: Howell Revocable Trust)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) Unknown	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release Historical impacts discovered on the well pad, a release volume can't be determined. The environmental consultant investigating the impacted area determined on 09/03/2021 based on the impacted area footprint that it most likely crossed the threshold for being a reportable volume.

Incident ID	nAPP2125956676
District RP	
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Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
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: <u>Chase Settle</u>	Title: <u>Rep Safety & Environmental Sr</u>
Signature: <u></u>	Date: <u>09/16/2021</u>
email: <u>Chase_Settle@eogresources.com</u>	Telephone: <u>575-748-1471</u>
<u>OCD Only</u>	
Received by: <u>Ramona Marcus</u>	Date: <u>9/17/2021</u>

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

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

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

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

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

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: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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

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

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

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: _____ Title: _____
Signature: _____ Date: _____
email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 49576

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 49576
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
marcus	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141	9/17/2021

Incident ID	nAPP2125956676
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>>50'</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

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

Incident ID	nAPP2125956676
District RP	
Facility ID	
Application ID	

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

Printed Name: Chase Settle Title: Rep Safety & Environmental Sr

Signature: Chase Settle Date: 12/02/2021

email: Chase_Settle@eogresources.com Telephone: 575-748-1471

OCD Only

Received by: _____ Date: _____

Incident ID	nAPP2125956676
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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

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

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

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: Chase Settle Title: Rep Safety & Environmental Sr
Signature: Chase Settle Date: 12/02/2021
email: Chase_Settle@eogresources.com Telephone: 575-748-1471

OCD Only

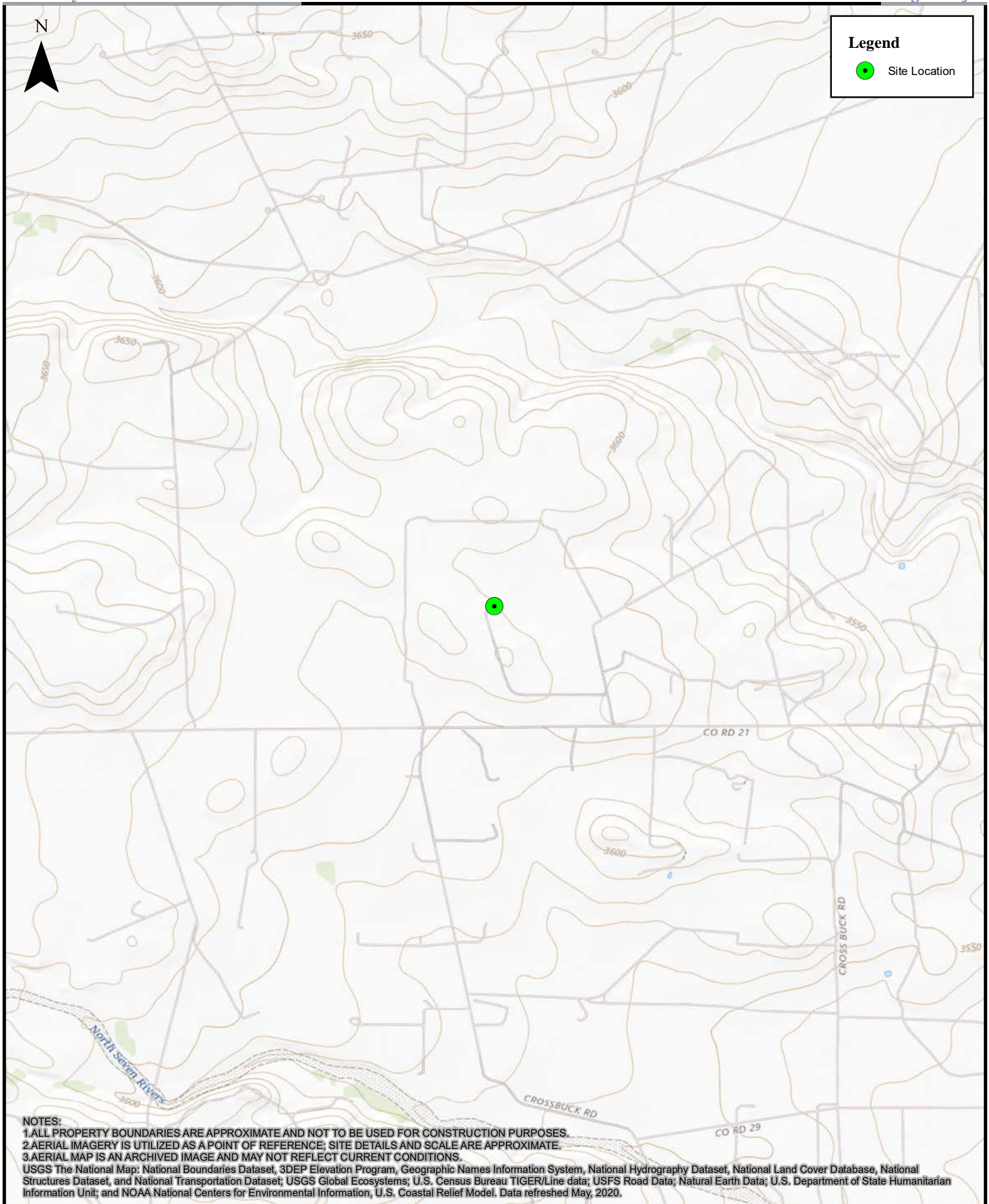
Received by: Jennifer Nobui Date: 01/18/2022

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

Signature: Jennifer Nobui Date: 01/18/2022

FIGURES

Topographic Map
Area Map
Water Well Location Map
National Wetland Inventory Map
FEMA Floodplain Map
Karst Topography Map
Assessment Sample Location Map
Proposed Excavation Map
Proposed Confirmation Sample Location Map

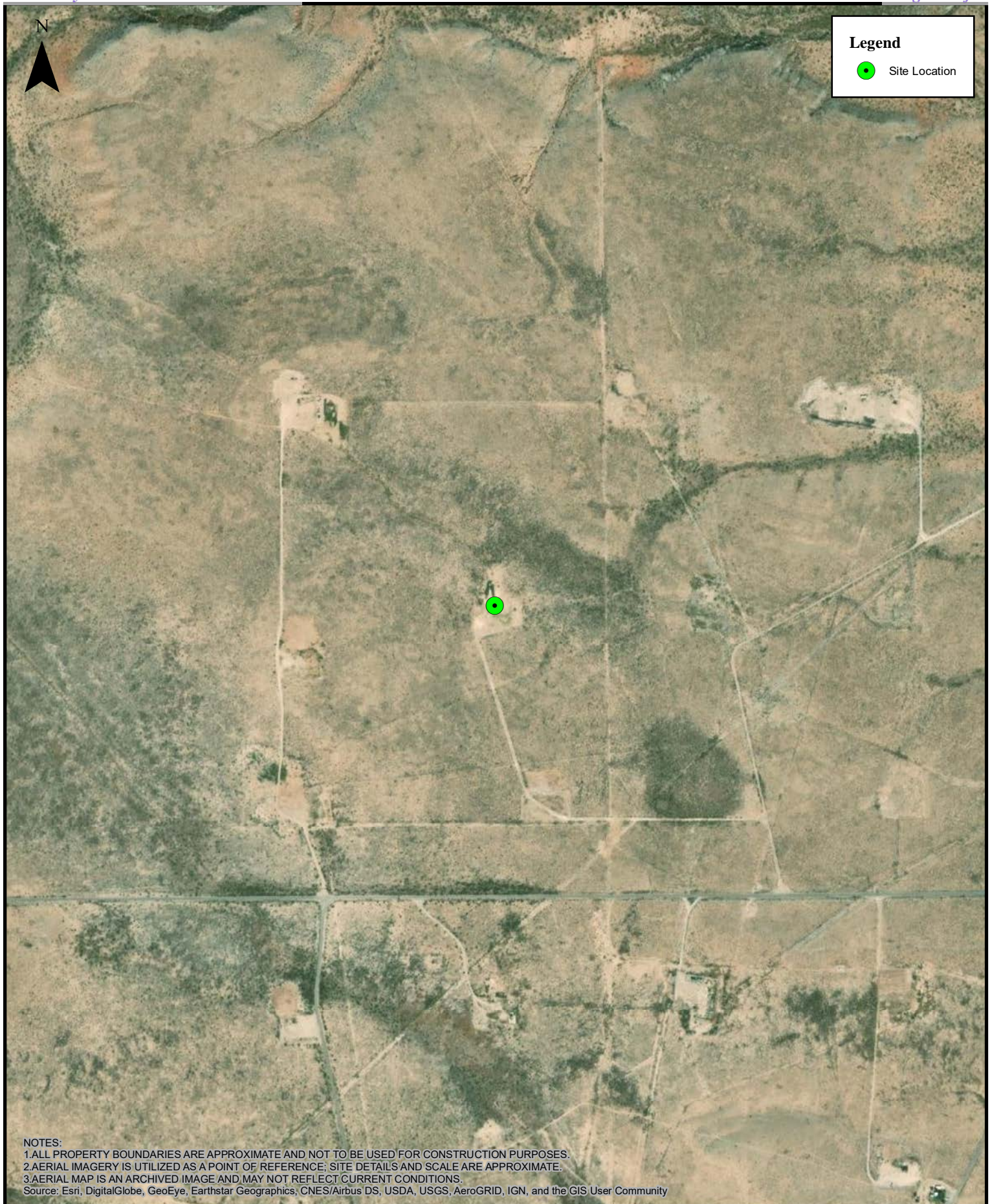


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Area Map

Lehman Federal #11
EOG Resources, Inc.

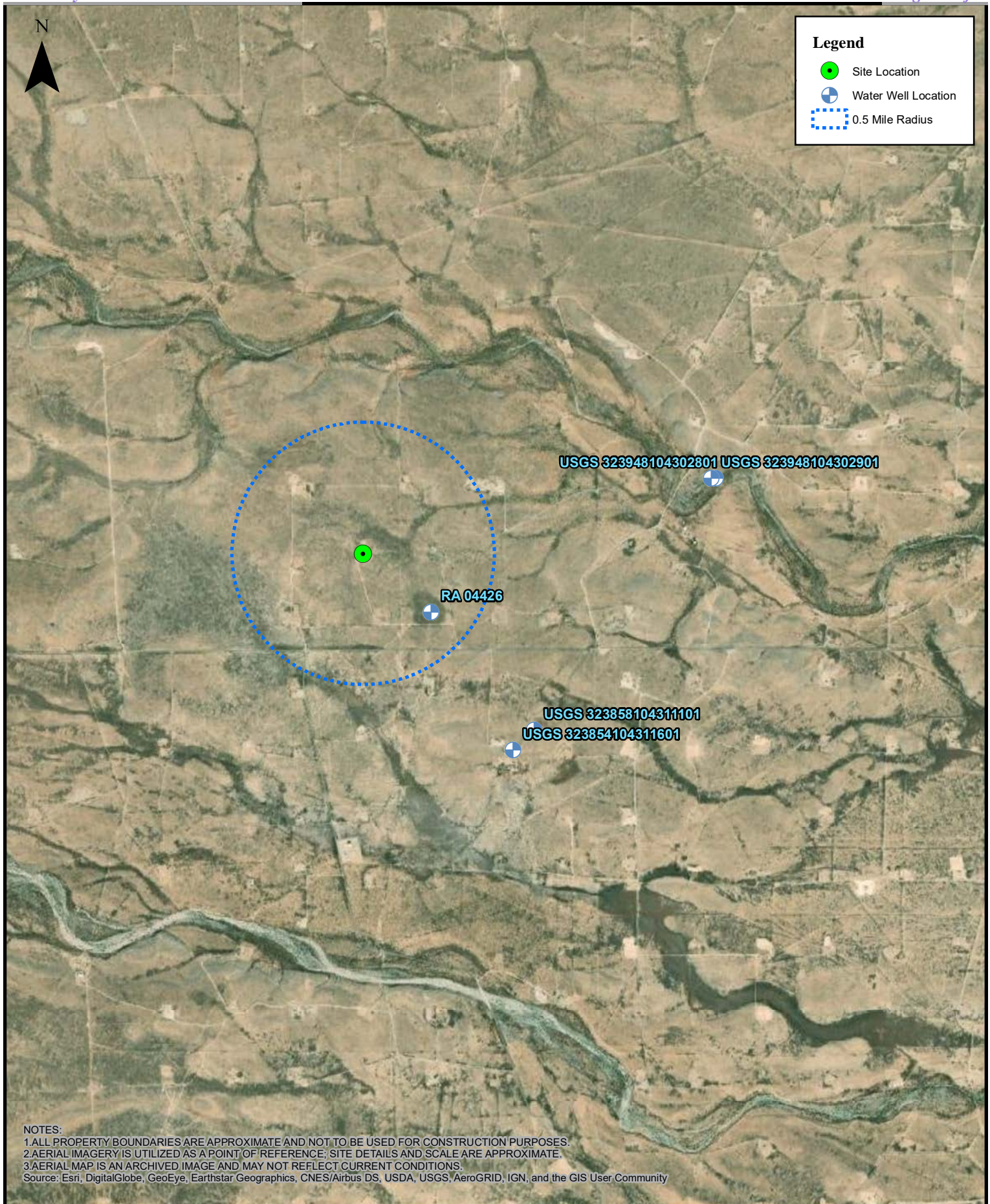


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EOG Resources, Inc.

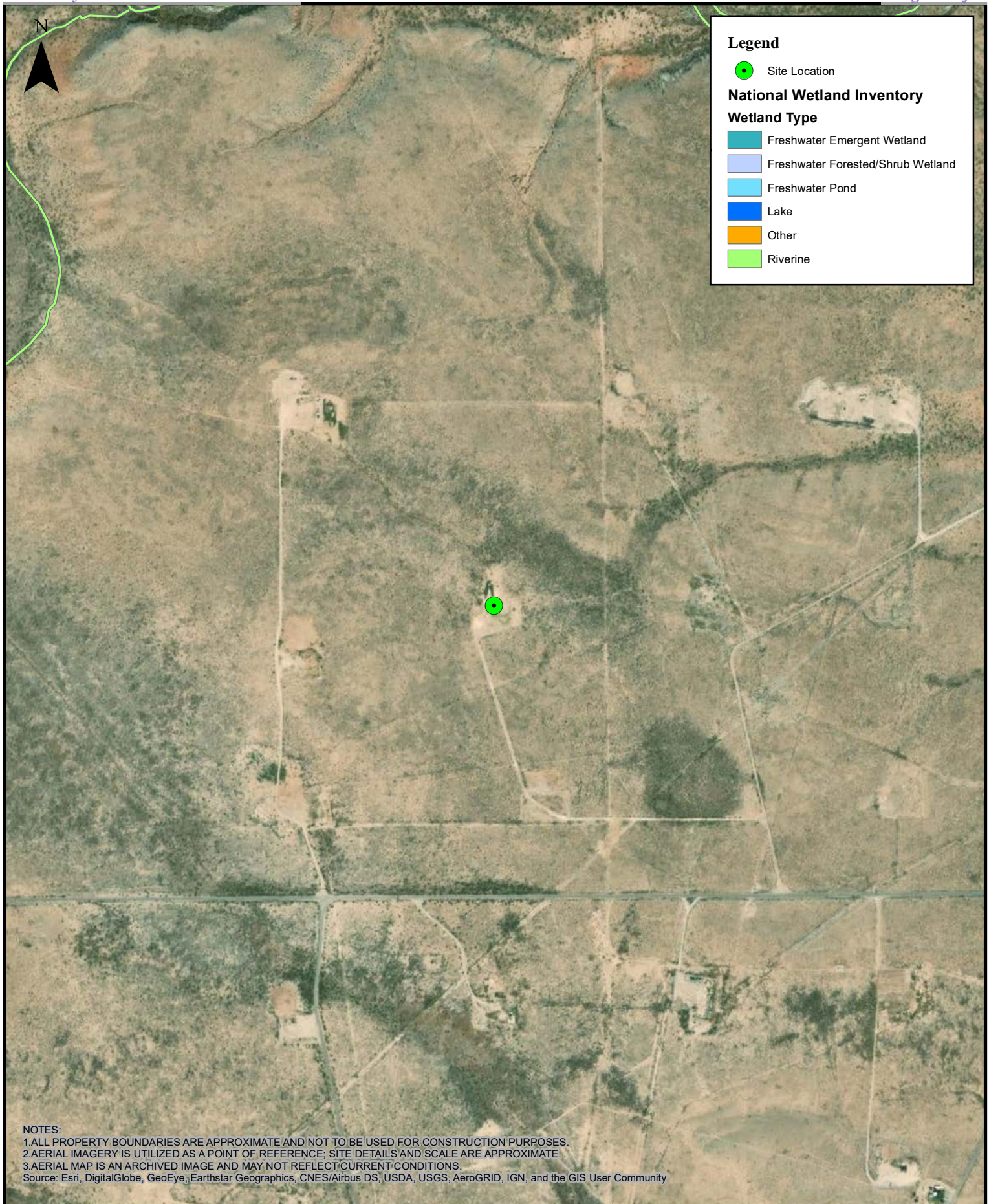


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Water Well Location Map

Lehman Federal #11
EOG Resources, Inc.



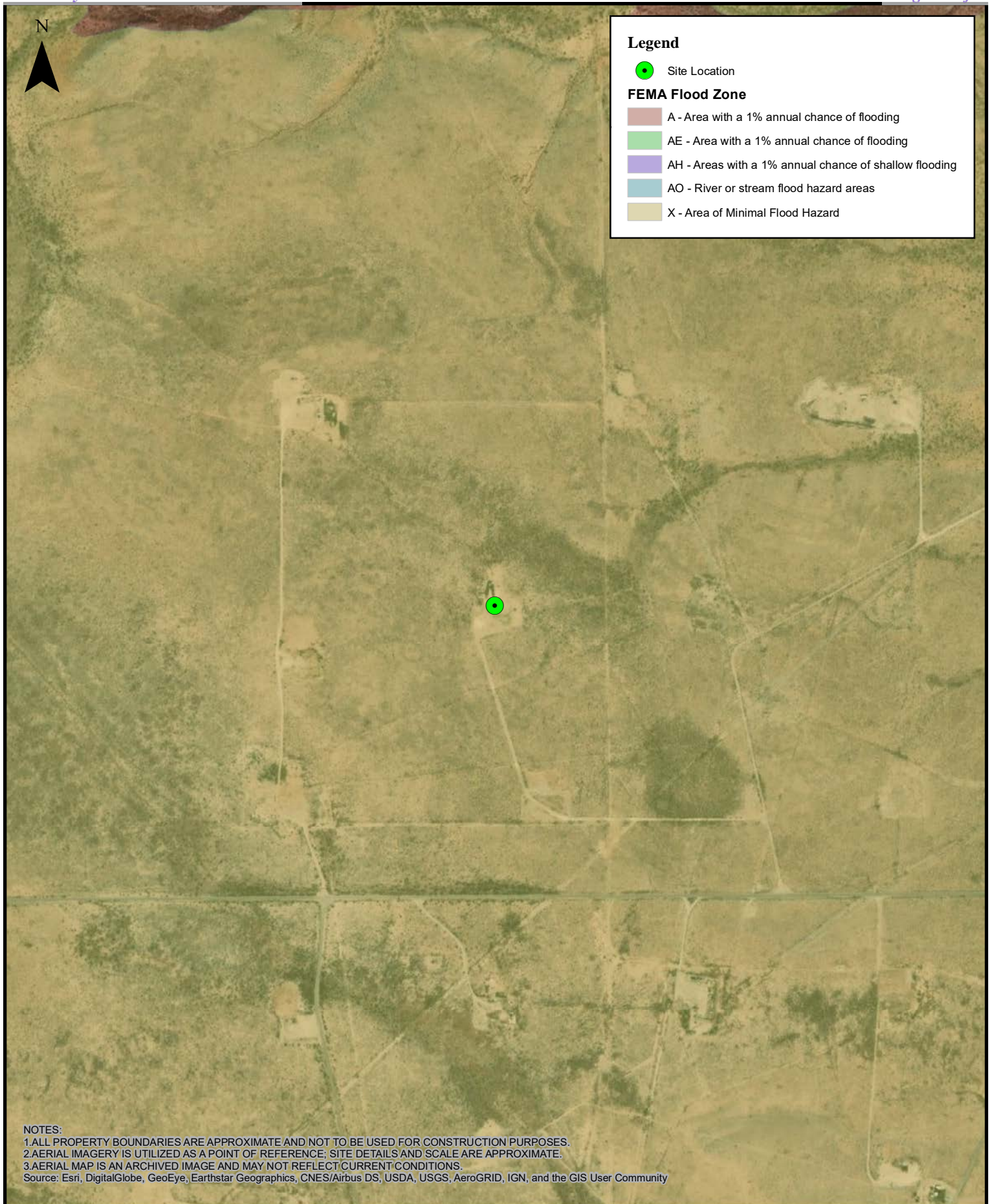
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1:10,000

National Wetland Inventory Map

Lehman Federal #11

EOG Resources, Inc.

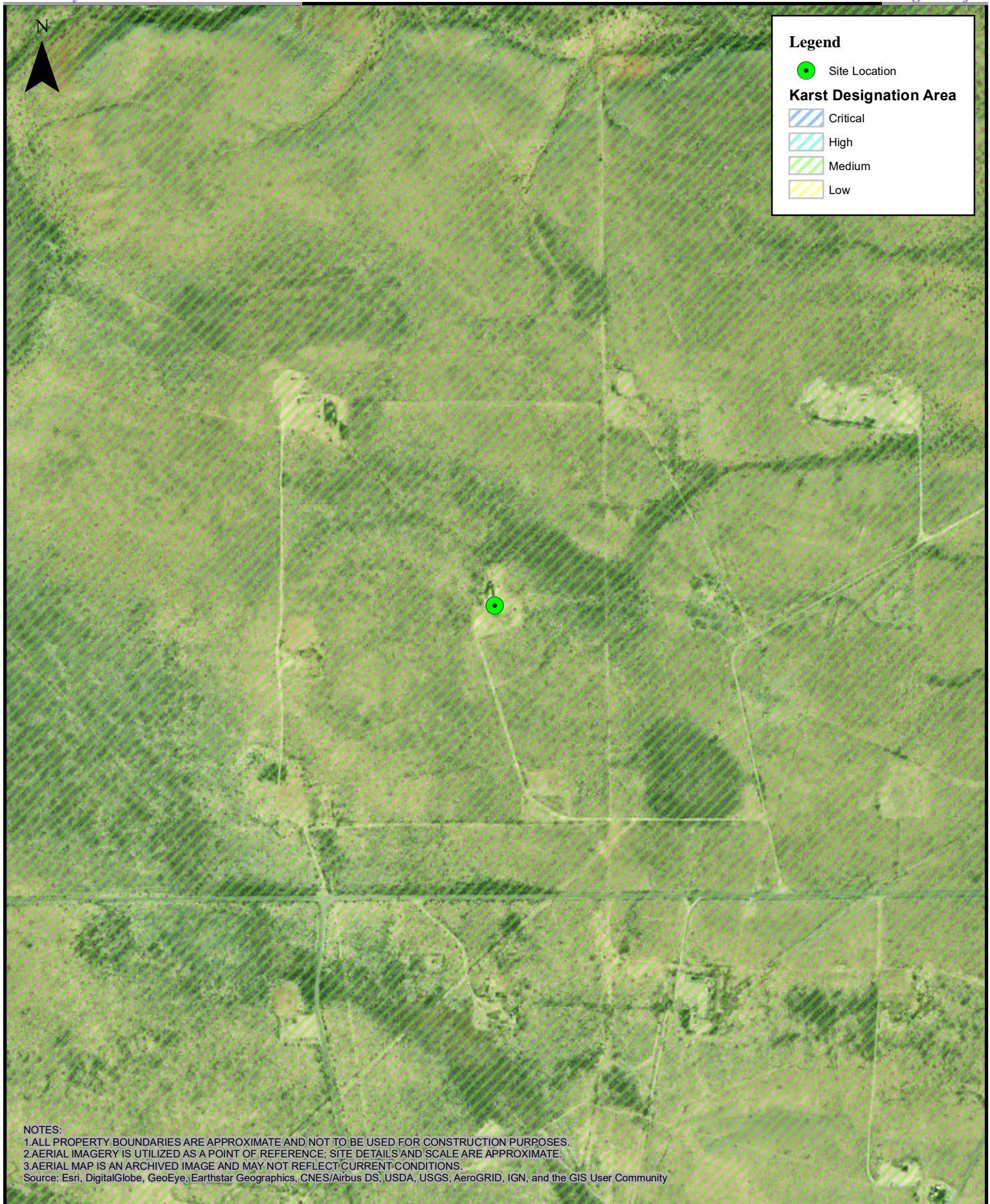


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1:10,000

FEMA Floodplain Map

Lehman Federal #11
EOG Resources, Inc.

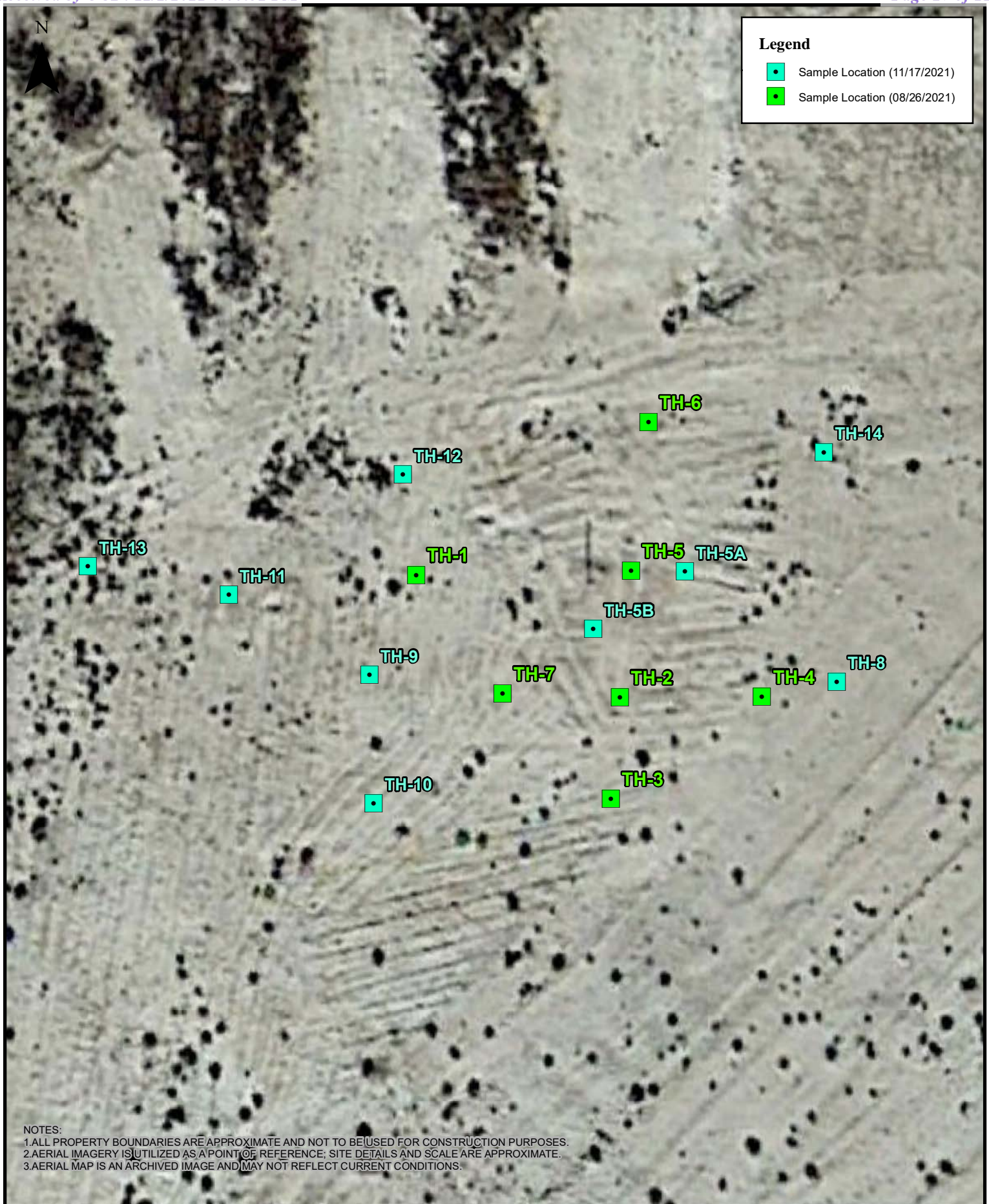


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1:10,000

Karst Topography Map

Lehman Federal #11
EOG Resources, Inc.



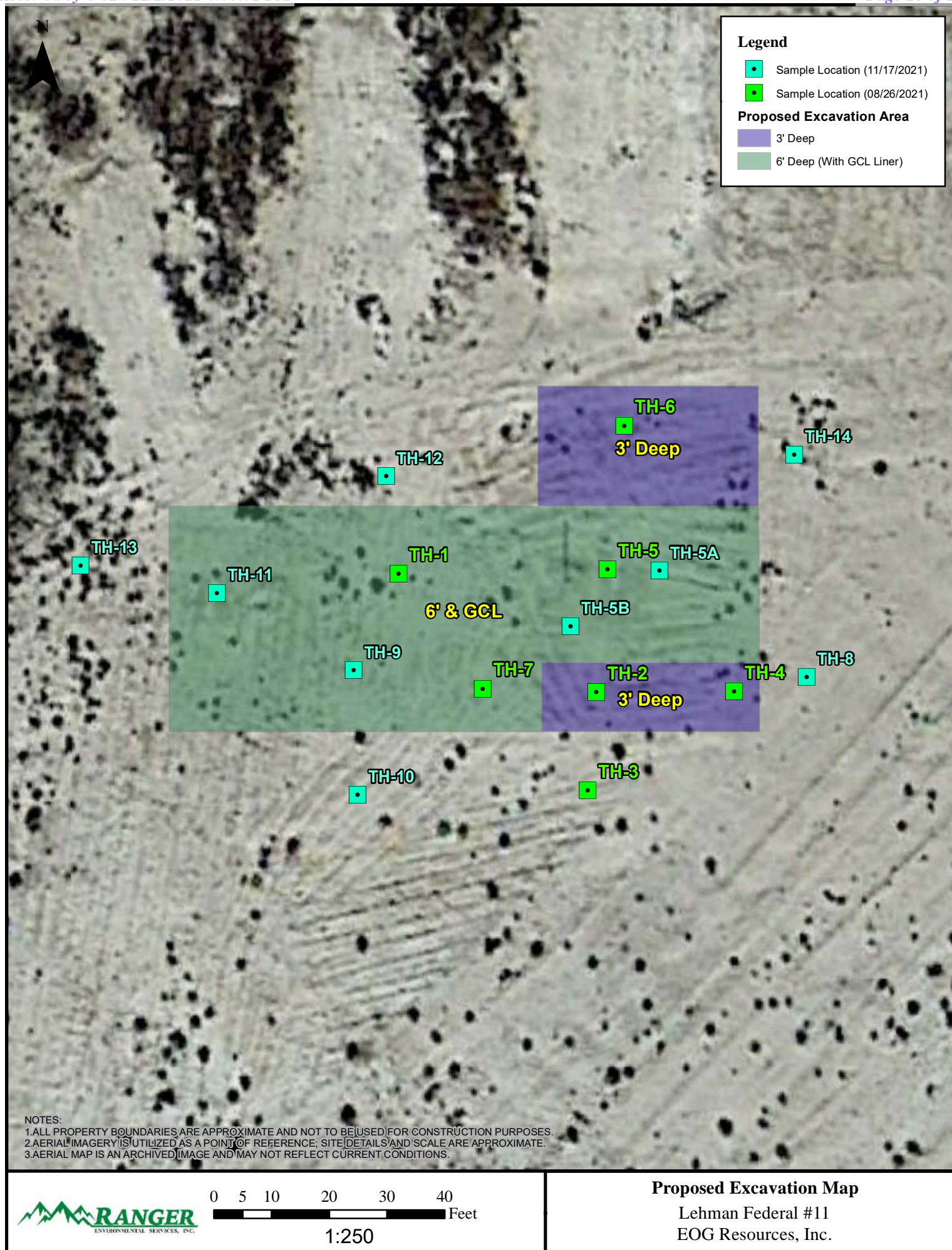
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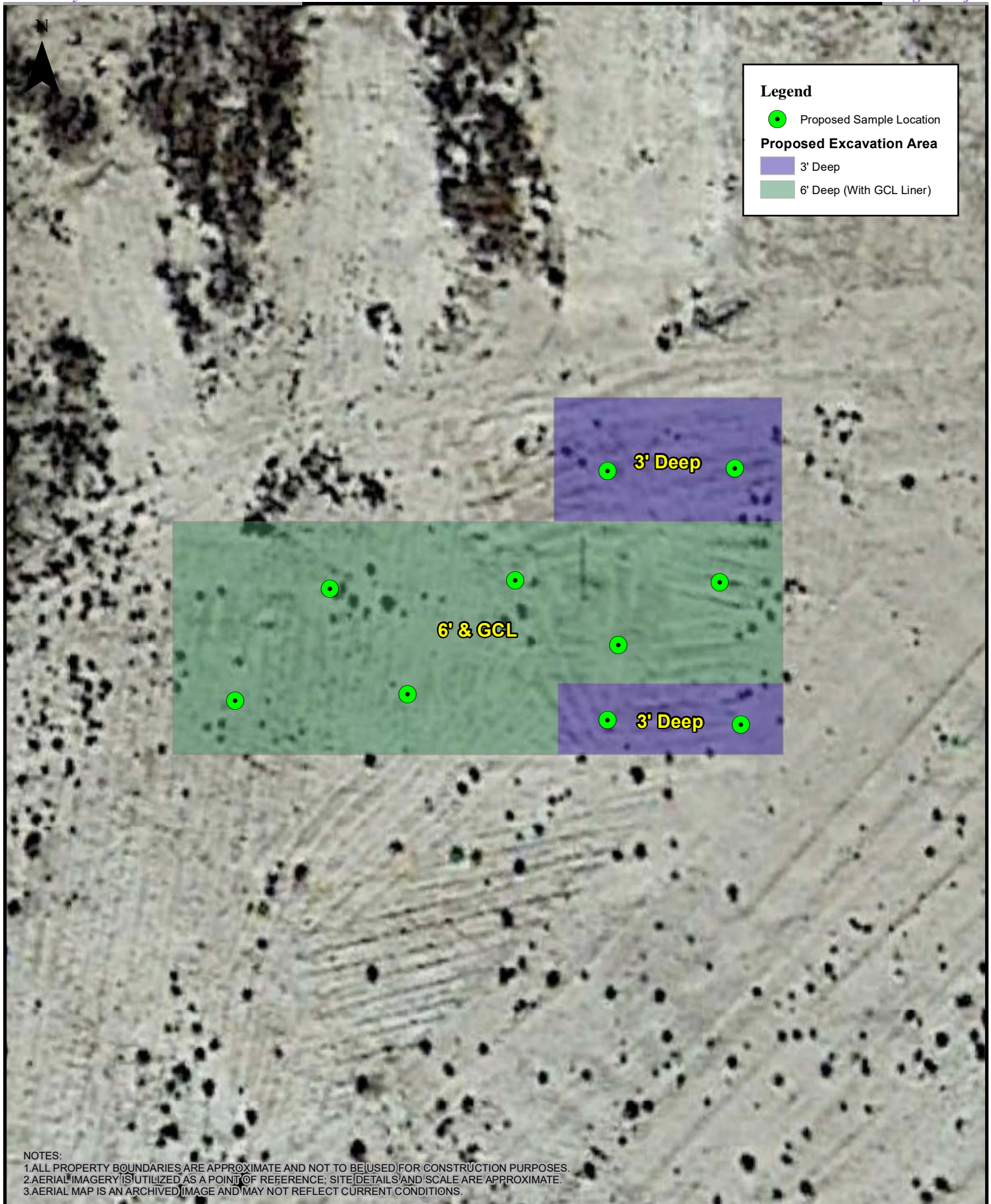
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Assessment Sample Location Map

Lehman Federal #11

EOG Resources, Inc.





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Feet

1:250

Proposed Confirmation Sample Location Map

Lehman Federal #11
EOG Resources, Inc.

TABLES

Soil BTEX (EPA 8260), TPH (EPA 8015) & Chloride (EPA 300)
Analytical Data

SOIL BTEX (EPA 8021), TPH (SW 8015) & CHLORIDE (EPA 300) ANALYTICAL DATA EOG RESOURCES, INC. LEHMAN FEDERAL #11													
All values presented in parts per million (mg/Kg)													
SAMPLE ID	DATE	DEPTH (FT)	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C6-C10	TPH DRO C10-C28	TPH MRO C28-C36	TPH (GRO+DRO)	TPH (GRO+DRO+MRO)	CHLORIDE
Initial Site Assessment (08/26/2021)													
TH-1/0'	8/26/2021	0'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	34	100	34	134	200
TH-1/2'	8/26/2021	2'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<9.9	<50	<9.9	<50	360
TH-1/4'	8/26/2021	4'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.9	<50	<9.9	<50	61
TH-2/0'	8/26/2021	0'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<10	<50	<10	<50	78
TH-2/2'	8/26/2021	2'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<9.7	<49	<9.7	<49	1,100
TH-2/7'	8/26/2021	7'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.5	<48	<9.5	<48	480
TH-3/0'	8/26/2021	0'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<9.6	<48	<9.6	<48	<60
TH-3/2'	8/26/2021	2'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.6	<48	<9.6	<48	<60
TH-3/4'	8/26/2021	4'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<9.9	<50	<9.9	<50	130
TH-4/0'	8/26/2021	0'	<0.023	<0.047	<0.047	<0.093	<0.09	<4.7	<9.6	<48	<9.6	<48	<60
TH-4/2'	8/26/2021	2'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	<9.4	<47	<9.4	<47	650
TH-4/4'	8/26/2021	4'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<9.2	<46	<9.2	<46	410
TH-5/1'	8/26/2021	1'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	470	500	470	970	1,600
TH-5/7'	8/26/2021	7'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	<9.4	<47	<9.4	<47	4,000
TH-5/15'	8/26/2021	15'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.1	<46	<9.1	<46	2,300
TH-6/0'	8/26/2021	0'	<0.023	<0.047	<0.047	<0.093	<0.09	<4.7	<9.1	<46	<9.1	<46	<61
TH-6/2'	8/26/2021	2'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.4	<47	<9.4	<47	650
TH-6/4'	8/26/2021	4'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<9.5	<47	<9.5	<47	480
TH-7/0'	8/26/2021	0'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	14	58	14	72	<61
TH-7/2'	8/26/2021	2'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<8.9	<45	<8.9	<45	1,100
TH-7/5'	8/26/2021	5'	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	<9.9	<49	<9.9	<49	650
Initial Site Assessment (08/26/2021)													
TH-5A/15'	11/17/2021	15'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	<9.5	<47	<9.5	<47	750
TH-5A/18'	11/17/2021	18'	<0.023	<0.047	<0.047	<0.093	<0.09	<4.7	<9.9	<50	<9.9	<50	450
TH-5A/21'	11/17/2021	21'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	<9.9	<50	<9.9	<50	140
TH-5B/15'	11/17/2021	15'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	<9.7	<48	<9.7	<48	750
TH-5B/18'	11/17/2021	18'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.7	<9.7	<48	<9.7	<48	300
TH-5B/21'	11/17/2021	21'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.9	<50	<9.9	<50	320
TH-8/0'	11/17/2021	0'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<9.9	<49	<9.9	<49	<60
TH-8/2'	11/17/2021	2'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.5	<48	<9.5	<48	220
TH-8/4'	11/17/2021	4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.9	<49	<9.5	<49	<60
TH-9/1'	11/17/2021	1'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.9	<50	<9.9	<50	1,300
TH-9/4'	11/17/2021	4'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.8	<49	<9.8	<49	700
TH-9/6'	11/17/2021	6'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<9.9	<49	<9.9	<49	770
TH-10/0'	11/17/2021	0'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.9	<49	<9.9	<49	<60
TH-10/2'	11/17/2021	2'	<0.023	<0.047	<0.047	<0.093	<0.09	<4.7	<9.7	<48	<9.7	<48	<59
TH-10/4'	11/17/2021	4'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<9.3	<49	<9.3	<49	65
TH-11/0'	11/17/2021	0'	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	<9.7	<49	<9.7	<49	1,000
TH-11/3'	11/17/2021	3'	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	<9.5	<50	<9.5	<50	1,000
TH-11/6'	11/17/2021	6'	<0.023	<0.046	<0.046	<0.091	<0.09	<4.6	<9.6	<48	<9.6	<48	240
TH-12/0'	11/17/2021	0'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<9.5	<48	<9.5	<48	<60
TH-12/2'	11/17/2021	2'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<10	<50	<10	<50	190
TH-12/4'	11/17/2021	4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.3	<47	<9.3	<47	<60
TH-13/0'	11/17/2021	0'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.9	<49	<9.9	<49	100
TH-13/2'	11/17/2021	2'	<0.024	<0.047	<0.047	<0.094	<0.09	<4.7	<9.6	<48	<9.6	<48	140
TH-13/4'	11/17/2021	4'	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	<9.9	<50	<9.9	<50	360
TH-14/0'	11/17/2021	0'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<9.5	<48	<9.5	<48	<60
TH-14/2'	11/17/2021	2'	<0.023	<0.046	<0.046	<0.092	<0.09	<4.6	<9.9	<49	<9.9	<49	130
TH-14/4'	11/17/2021	4'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<9.7	<48	<9.7	<48	360
19.15.29.12 NMAC Table 1 Closure Criteria for Soils Impacted by a Release (GW ≤ 50')			10	---	---	---	50	---	---	---	---	100	600
19.15.29.13 NMAC Reclamation Criteria (0'-4' Soils Only)													600
Notes:													
1. Results exceeding the Table 1 Closure Criteria are presented in bold type and are highlighted yellow.													
2. Results exceeding the NMAC Restoration, Reclamation and re-vegetation chloride concentration requirements are presented in bold red type.													
3. Value derived from the State of New Mexico Energy, Minerals and Natural Resources Department document Procedures for the Implementation of the Spill Rule (19.15.29 NMAC) dated September 6, 2019.													

ATTACHMENT 1 – DEPTH-TO-GROUNDWATER DATA



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site_no list =

- 323948104302901

Minimum number of levels = 1

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USGS 323948104302901 19S.25E.17.321211

Available data for this site

Groundwater: Field measurements



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Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°39'48", Longitude 104°30'29" NAD27

Land-surface elevation 3,528 feet above NAVD88

The depth of the well is 120 feet below land surface.

This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

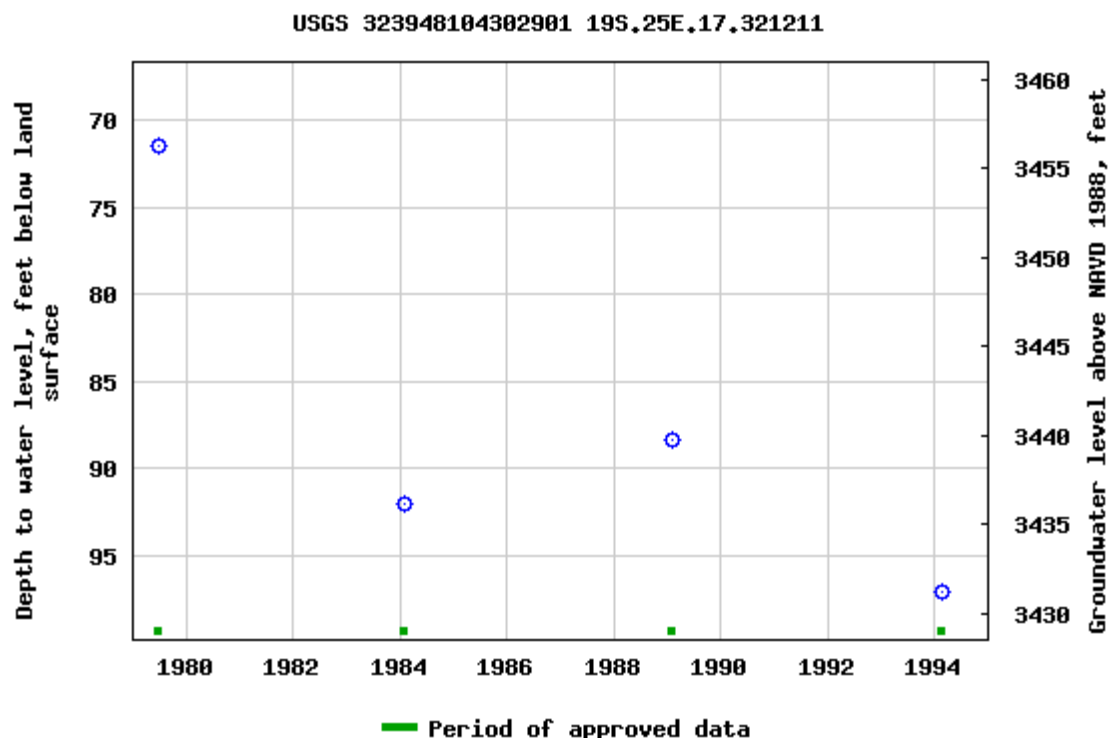
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Title: Groundwater for USA: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>



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0.55 0.49 nadww01



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USGS 323948104302801 19S.25E.17.321212

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Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°39'48", Longitude 104°30'28" NAD27

Land-surface elevation 3,526 feet above NAVD88

This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

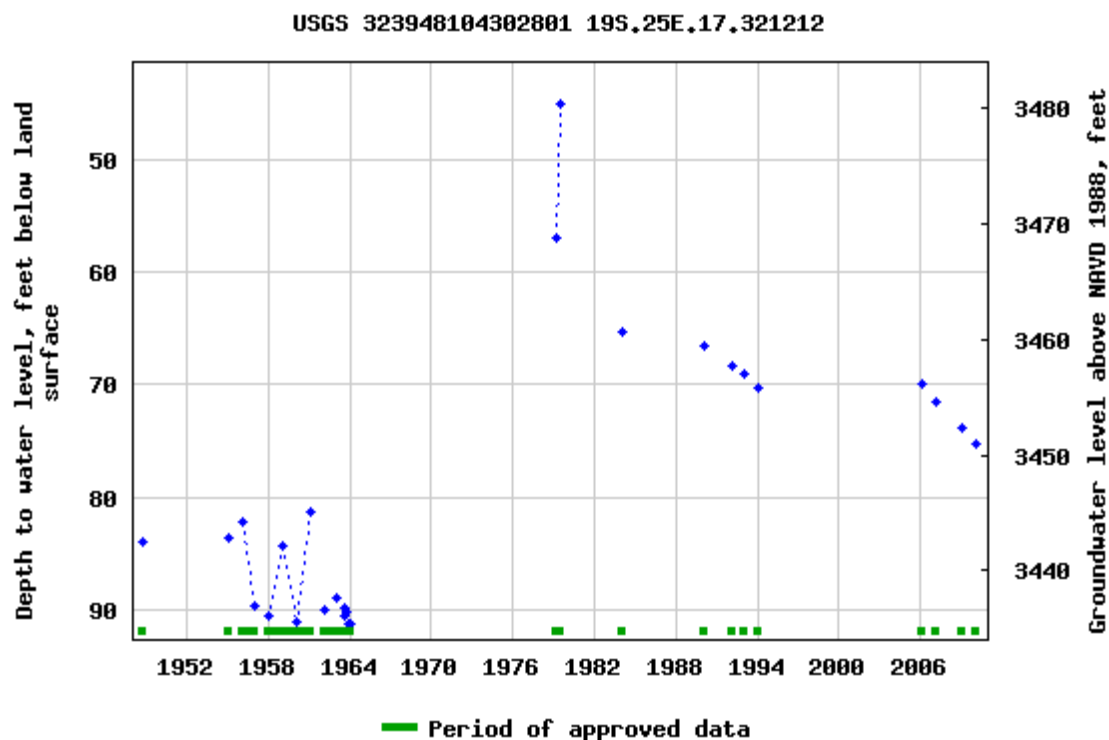
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URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>

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0.59 0.49 nadww01





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- 323858104311101

Minimum number of levels = 1

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USGS 323858104311101 19S.25E.19.23431

Available data for this site

Groundwater: Field measurements



GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°38'58", Longitude 104°31'11" NAD27

Land-surface elevation 3,580 feet above NAVD88

The depth of the well is 288 feet below land surface.

This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.

This well is completed in the Artesia Group (313ARTS) local aquifer.

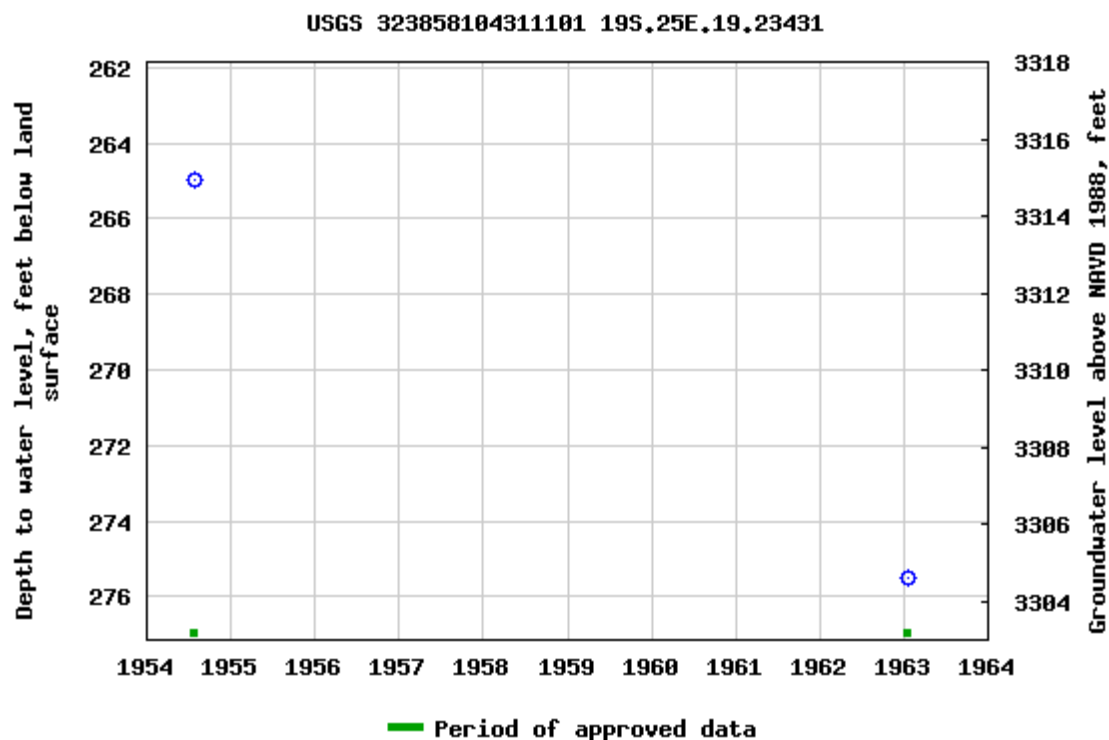
Output formats

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[Tab-separated data](#)

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[Reselect period](#)



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0.56 0.5 nadww01



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site_no list =

- 323854104311601

Minimum number of levels = 1

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USGS 323854104311601 19S.25E.19.232334

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Groundwater: Field measurements

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Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°38'54", Longitude 104°31'16" NAD27

Land-surface elevation 3,624 feet above NGVD29

The depth of the well is 317.00 feet below land surface.

This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.

This well is completed in the Artesia Group (313ARTS) local aquifer.

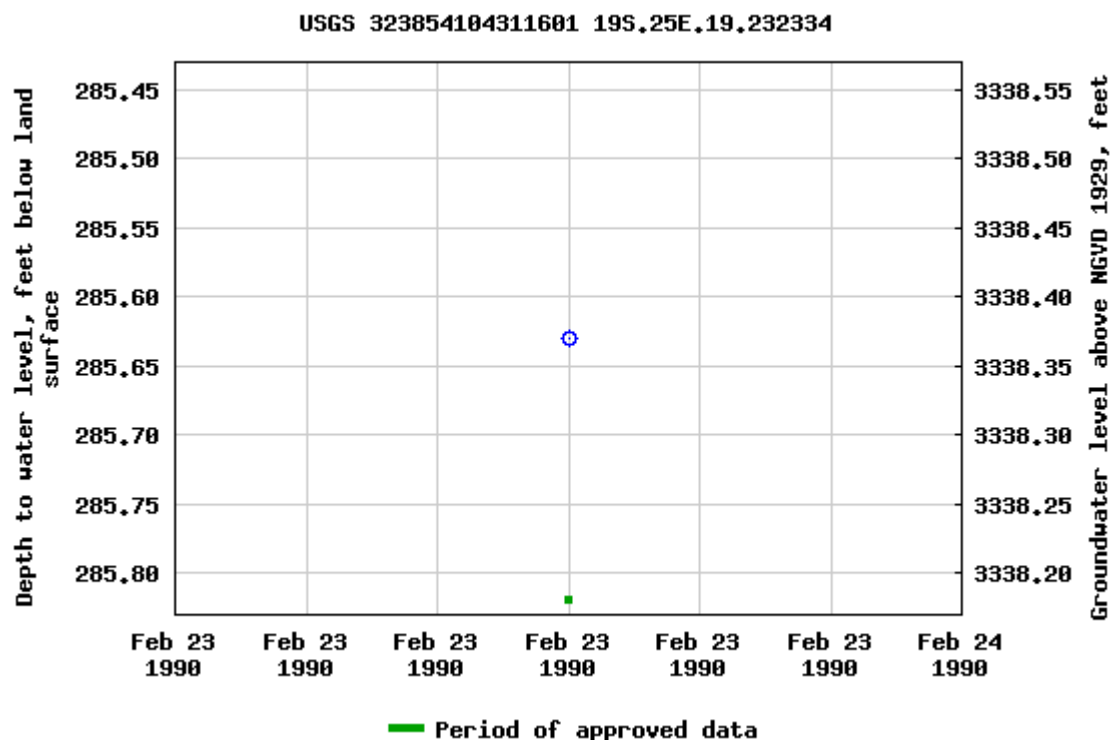
Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)



Breaks in the plot represent a gap of at least one year between field measurements.

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[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)

Title: Groundwater for USA: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>



Page Contact Information: [USGS Water Data Support Team](#)


Page Last Modified: 2021-11-30 09:21:44 EST

0.57 0.46 nadww01



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)				(NAD83 UTM in meters)			
		(quarters are smallest to largest)							
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	RA 04426	4	3	18	19S	25E	544412	3613201*	

Driller License:

Driller Company:

Driller Name: PETERS

Drill Start Date:

Drill Finish Date:

Plug Date:

Log File Date:

PCW Rev Date:

Source:

Pump Type:

Pipe Discharge Size:

Estimated Yield:

Casing Size: 7.00

Depth Well: 715 feet

Depth Water:

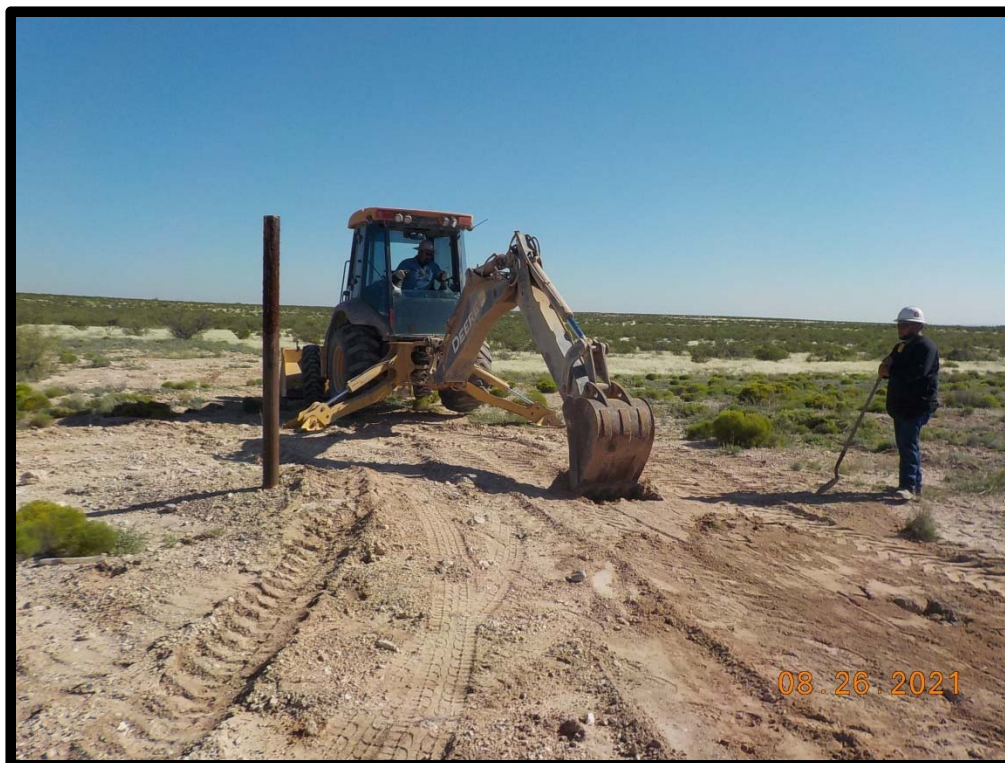
*UTM location was derived from PLSS - see Help

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

11/30/21 7:40 AM

POINT OF DIVERSION SUMMARY

ATTACHMENT 2 – PHOTOGRAPHIC DOCUMENTATION



PHOTOGRAPH NO. 1 – A general view of the Site assessment activities at the “TH-5” location. The view is towards the north.

(Approximate GPS: 32.659250, -104.530844)



PHOTOGRAPH NO. 2 – A view of the Site during the November 17, 2021 additional assessment activities. The view is towards the northeast.

(Approximate GPS: 32.659244, --104.530872)

ATTACHMENT 3 – LABORATORY ANALYTICAL REPORTS



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

September 02, 2021

Will Kierdorf
EOG
105 South Fourth Street
Artesia, NM 88210
TEL:
FAX

RE: Leaman Federal 11

OrderNo.: 2108F58

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 21 sample(s) on 8/27/2021 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman".

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2108F58

Date Reported: 9/2/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-1/0'

Project: Leaman Federal 11

Collection Date: 8/26/2021 7:58:00 AM

Lab ID: 2108F58-001

Matrix: SOIL

Received Date: 8/27/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	200	60		mg/Kg	20	8/31/2021 6:02:03 PM	62300
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	34	9.4		mg/Kg	1	8/31/2021 12:42:38 PM	62275
Motor Oil Range Organics (MRO)	100	47		mg/Kg	1	8/31/2021 12:42:38 PM	62275
Surr: DNOP	83.9	70-130		%Rec	1	8/31/2021 12:42:38 PM	62275
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/30/2021 9:29:00 PM	62248
Surr: BFB	90.8	70-130		%Rec	1	8/30/2021 9:29:00 PM	62248
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	8/30/2021 9:29:00 PM	62248
Toluene	ND	0.047		mg/Kg	1	8/30/2021 9:29:00 PM	62248
Ethylbenzene	ND	0.047		mg/Kg	1	8/30/2021 9:29:00 PM	62248
Xylenes, Total	ND	0.095		mg/Kg	1	8/30/2021 9:29:00 PM	62248
Surr: 4-Bromofluorobenzene	76.0	70-130		%Rec	1	8/30/2021 9:29:00 PM	62248

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2108F58

Date Reported: 9/2/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-1/2'

Project: Leaman Federal 11

Collection Date: 8/26/2021 8:00:00 AM

Lab ID: 2108F58-002

Matrix: SOIL

Received Date: 8/27/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	360	60		mg/Kg	20	8/31/2021 6:39:16 PM	62300
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	8/31/2021 11:49:56 AM	62275
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/31/2021 11:49:56 AM	62275
Surr: DNOP	95.6	70-130		%Rec	1	8/31/2021 11:49:56 AM	62275
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/30/2021 9:49:00 PM	62248
Surr: BFB	84.0	70-130		%Rec	1	8/30/2021 9:49:00 PM	62248
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	8/30/2021 9:49:00 PM	62248
Toluene	ND	0.048		mg/Kg	1	8/30/2021 9:49:00 PM	62248
Ethylbenzene	ND	0.048		mg/Kg	1	8/30/2021 9:49:00 PM	62248
Xylenes, Total	ND	0.097		mg/Kg	1	8/30/2021 9:49:00 PM	62248
Surr: 4-Bromofluorobenzene	77.0	70-130		%Rec	1	8/30/2021 9:49:00 PM	62248

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2108F58

Date Reported: 9/2/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-1/4'

Project: Leaman Federal 11

Collection Date: 8/26/2021 8:03:00 AM

Lab ID: 2108F58-003

Matrix: SOIL

Received Date: 8/27/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	61	60		mg/Kg	20	8/31/2021 7:16:28 PM	62300
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	8/31/2021 12:02:54 PM	62275
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/31/2021 12:02:54 PM	62275
Surr: DNOP	98.9	70-130		%Rec	1	8/31/2021 12:02:54 PM	62275
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/30/2021 10:09:00 PM	62248
Surr: BFB	87.4	70-130		%Rec	1	8/30/2021 10:09:00 PM	62248
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	8/30/2021 10:09:00 PM	62248
Toluene	ND	0.049		mg/Kg	1	8/30/2021 10:09:00 PM	62248
Ethylbenzene	ND	0.049		mg/Kg	1	8/30/2021 10:09:00 PM	62248
Xylenes, Total	ND	0.099		mg/Kg	1	8/30/2021 10:09:00 PM	62248
Surr: 4-Bromofluorobenzene	79.4	70-130		%Rec	1	8/30/2021 10:09:00 PM	62248

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2108F58

Date Reported: 9/2/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-2/0'

Project: Leaman Federal 11

Collection Date: 8/26/2021 8:12:00 AM

Lab ID: 2108F58-004

Matrix: SOIL

Received Date: 8/27/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	78	60		mg/Kg	20	8/31/2021 7:28:52 PM	62300
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	8/31/2021 12:16:06 PM	62275
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/31/2021 12:16:06 PM	62275
Surr: DNOP	107	70-130		%Rec	1	8/31/2021 12:16:06 PM	62275
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/30/2021 10:29:00 PM	62248
Surr: BFB	88.8	70-130		%Rec	1	8/30/2021 10:29:00 PM	62248
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	8/30/2021 10:29:00 PM	62248
Toluene	ND	0.050		mg/Kg	1	8/30/2021 10:29:00 PM	62248
Ethylbenzene	ND	0.050		mg/Kg	1	8/30/2021 10:29:00 PM	62248
Xylenes, Total	ND	0.099		mg/Kg	1	8/30/2021 10:29:00 PM	62248
Surr: 4-Bromofluorobenzene	78.3	70-130		%Rec	1	8/30/2021 10:29:00 PM	62248

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2108F58

Date Reported: 9/2/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-2/2'

Project: Leaman Federal 11

Collection Date: 8/26/2021 8:16:00 AM

Lab ID: 2108F58-005

Matrix: SOIL

Received Date: 8/27/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	1100	60		mg/Kg	20	8/31/2021 8:06:07 PM	62300
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	8/31/2021 1:08:52 PM	62275
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/31/2021 1:08:52 PM	62275
Surr: DNOP	111	70-130		%Rec	1	8/31/2021 1:08:52 PM	62275
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/30/2021 10:49:00 PM	62248
Surr: BFB	91.1	70-130		%Rec	1	8/30/2021 10:49:00 PM	62248
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	8/30/2021 10:49:00 PM	62248
Toluene	ND	0.050		mg/Kg	1	8/30/2021 10:49:00 PM	62248
Ethylbenzene	ND	0.050		mg/Kg	1	8/30/2021 10:49:00 PM	62248
Xylenes, Total	ND	0.099		mg/Kg	1	8/30/2021 10:49:00 PM	62248
Surr: 4-Bromofluorobenzene	81.4	70-130		%Rec	1	8/30/2021 10:49:00 PM	62248

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2108F58

Date Reported: 9/2/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-2/7'

Project: Leaman Federal 11

Collection Date: 8/26/2021 8:40:00 AM

Lab ID: 2108F58-006

Matrix: SOIL

Received Date: 8/27/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	480	60		mg/Kg	20	8/31/2021 8:18:31 PM	62300
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	8/31/2021 12:29:17 PM	62275
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/31/2021 12:29:17 PM	62275
Surr: DNOP	107	70-130		%Rec	1	8/31/2021 12:29:17 PM	62275
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/30/2021 11:49:00 PM	62248
Surr: BFB	89.5	70-130		%Rec	1	8/30/2021 11:49:00 PM	62248
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	8/30/2021 11:49:00 PM	62248
Toluene	ND	0.048		mg/Kg	1	8/30/2021 11:49:00 PM	62248
Ethylbenzene	ND	0.048		mg/Kg	1	8/30/2021 11:49:00 PM	62248
Xylenes, Total	ND	0.096		mg/Kg	1	8/30/2021 11:49:00 PM	62248
Surr: 4-Bromofluorobenzene	80.0	70-130		%Rec	1	8/30/2021 11:49:00 PM	62248

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2108F58

Date Reported: 9/2/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-3/0'

Project: Leaman Federal 11

Collection Date: 8/26/2021 8:53:00 AM

Lab ID: 2108F58-007

Matrix: SOIL

Received Date: 8/27/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	8/31/2021 8:30:56 PM	62300
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	8/31/2021 2:02:04 PM	62275
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/31/2021 2:02:04 PM	62275
Surr: DNOP	80.7	70-130		%Rec	1	8/31/2021 2:02:04 PM	62275
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/31/2021 12:09:00 AM	62248
Surr: BFB	96.2	70-130		%Rec	1	8/31/2021 12:09:00 AM	62248
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	8/31/2021 12:09:00 AM	62248
Toluene	ND	0.049		mg/Kg	1	8/31/2021 12:09:00 AM	62248
Ethylbenzene	ND	0.049		mg/Kg	1	8/31/2021 12:09:00 AM	62248
Xylenes, Total	ND	0.098		mg/Kg	1	8/31/2021 12:09:00 AM	62248
Surr: 4-Bromofluorobenzene	80.0	70-130		%Rec	1	8/31/2021 12:09:00 AM	62248

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2108F58

Date Reported: 9/2/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-3/2'

Project: Leaman Federal 11

Collection Date: 8/26/2021 8:55:00 AM

Lab ID: 2108F58-008

Matrix: SOIL

Received Date: 8/27/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	8/31/2021 8:43:20 PM	62300
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	8/31/2021 2:15:15 PM	62275
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/31/2021 2:15:15 PM	62275
Surr: DNOP	92.4	70-130		%Rec	1	8/31/2021 2:15:15 PM	62275
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/31/2021 12:29:00 AM	62248
Surr: BFB	87.2	70-130		%Rec	1	8/31/2021 12:29:00 AM	62248
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	8/31/2021 12:29:00 AM	62248
Toluene	ND	0.048		mg/Kg	1	8/31/2021 12:29:00 AM	62248
Ethylbenzene	ND	0.048		mg/Kg	1	8/31/2021 12:29:00 AM	62248
Xylenes, Total	ND	0.096		mg/Kg	1	8/31/2021 12:29:00 AM	62248
Surr: 4-Bromofluorobenzene	79.3	70-130		%Rec	1	8/31/2021 12:29:00 AM	62248

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2108F58

Date Reported: 9/2/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-3/4'

Project: Leaman Federal 11

Collection Date: 8/26/2021 8:58:00 AM

Lab ID: 2108F58-009

Matrix: SOIL

Received Date: 8/27/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	130	60		mg/Kg	20	8/31/2021 8:55:45 PM	62300
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	8/31/2021 2:28:27 PM	62275
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/31/2021 2:28:27 PM	62275
Surr: DNOP	103	70-130		%Rec	1	8/31/2021 2:28:27 PM	62275
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/31/2021 12:48:00 AM	62248
Surr: BFB	89.4	70-130		%Rec	1	8/31/2021 12:48:00 AM	62248
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	8/31/2021 12:48:00 AM	62248
Toluene	ND	0.050		mg/Kg	1	8/31/2021 12:48:00 AM	62248
Ethylbenzene	ND	0.050		mg/Kg	1	8/31/2021 12:48:00 AM	62248
Xylenes, Total	ND	0.099		mg/Kg	1	8/31/2021 12:48:00 AM	62248
Surr: 4-Bromofluorobenzene	79.7	70-130		%Rec	1	8/31/2021 12:48:00 AM	62248

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2108F58

Date Reported: 9/2/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-4/0'

Project: Leaman Federal 11

Collection Date: 8/26/2021 9:15:00 AM

Lab ID: 2108F58-010

Matrix: SOIL

Received Date: 8/27/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	8/31/2021 9:08:09 PM	62300
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	8/30/2021 11:44:29 AM	62253
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/30/2021 11:44:29 AM	62253
Surr: DNOP	85.8	70-130		%Rec	1	8/30/2021 11:44:29 AM	62253
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/31/2021 6:35:00 PM	62249
Surr: BFB	114	70-130		%Rec	1	8/31/2021 6:35:00 PM	62249
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	8/31/2021 6:35:00 PM	62249
Toluene	ND	0.047		mg/Kg	1	8/31/2021 6:35:00 PM	62249
Ethylbenzene	ND	0.047		mg/Kg	1	8/31/2021 6:35:00 PM	62249
Xylenes, Total	ND	0.093		mg/Kg	1	8/31/2021 6:35:00 PM	62249
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	8/31/2021 6:35:00 PM	62249

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2108F58

Date Reported: 9/2/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-4/2'

Project: Leaman Federal 11

Collection Date: 8/26/2021 9:17:00 AM

Lab ID: 2108F58-011

Matrix: SOIL

Received Date: 8/27/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	650	61		mg/Kg	20	8/31/2021 9:20:33 PM	62300
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	8/30/2021 12:55:36 PM	62253
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/30/2021 12:55:36 PM	62253
Surr: DNOP	127	70-130		%Rec	1	8/30/2021 12:55:36 PM	62253
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/31/2021 7:46:16 PM	62249
Surr: BFB	111	70-130		%Rec	1	8/31/2021 7:46:16 PM	62249
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	8/31/2021 7:46:16 PM	62249
Toluene	ND	0.047		mg/Kg	1	8/31/2021 7:46:16 PM	62249
Ethylbenzene	ND	0.047		mg/Kg	1	8/31/2021 7:46:16 PM	62249
Xylenes, Total	ND	0.095		mg/Kg	1	8/31/2021 7:46:16 PM	62249
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	8/31/2021 7:46:16 PM	62249

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2108F58

Date Reported: 9/2/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-4/4'

Project: Leaman Federal 11

Collection Date: 8/26/2021 9:19:00 AM

Lab ID: 2108F58-012

Matrix: SOIL

Received Date: 8/27/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	410	59		mg/Kg	20	8/31/2021 9:32:57 PM	62300
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	8/30/2021 1:19:17 PM	62253
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	8/30/2021 1:19:17 PM	62253
Surr: DNOP	112	70-130		%Rec	1	8/30/2021 1:19:17 PM	62253
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/31/2021 8:09:55 PM	62249
Surr: BFB	110	70-130		%Rec	1	8/31/2021 8:09:55 PM	62249
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	8/31/2021 8:09:55 PM	62249
Toluene	ND	0.049		mg/Kg	1	8/31/2021 8:09:55 PM	62249
Ethylbenzene	ND	0.049		mg/Kg	1	8/31/2021 8:09:55 PM	62249
Xylenes, Total	ND	0.098		mg/Kg	1	8/31/2021 8:09:55 PM	62249
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	8/31/2021 8:09:55 PM	62249

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2108F58

Date Reported: 9/2/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-5/1'

Project: Leaman Federal 11

Collection Date: 8/26/2021 9:32:00 AM

Lab ID: 2108F58-013

Matrix: SOIL

Received Date: 8/27/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	1600	60		mg/Kg	20	8/31/2021 9:45:21 PM	62300
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	470	46		mg/Kg	5	8/31/2021 5:23:37 PM	62253
Motor Oil Range Organics (MRO)	500	230		mg/Kg	5	8/31/2021 5:23:37 PM	62253
Surr: DNOP	124	70-130		%Rec	5	8/31/2021 5:23:37 PM	62253
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/31/2021 8:33:32 PM	62249
Surr: BFB	109	70-130		%Rec	1	8/31/2021 8:33:32 PM	62249
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	8/31/2021 8:33:32 PM	62249
Toluene	ND	0.049		mg/Kg	1	8/31/2021 8:33:32 PM	62249
Ethylbenzene	ND	0.049		mg/Kg	1	8/31/2021 8:33:32 PM	62249
Xylenes, Total	ND	0.097		mg/Kg	1	8/31/2021 8:33:32 PM	62249
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	8/31/2021 8:33:32 PM	62249

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2108F58

Date Reported: 9/2/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-5/7'

Project: Leaman Federal 11

Collection Date: 8/26/2021 9:44:00 AM

Lab ID: 2108F58-014

Matrix: SOIL

Received Date: 8/27/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	4000	150		mg/Kg	50	9/1/2021 2:39:57 PM	62324
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	8/30/2021 1:43:03 PM	62253
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/30/2021 1:43:03 PM	62253
Surr: DNOP	108	70-130		%Rec	1	8/30/2021 1:43:03 PM	62253
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/31/2021 8:57:07 PM	62249
Surr: BFB	110	70-130		%Rec	1	8/31/2021 8:57:07 PM	62249
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	8/31/2021 8:57:07 PM	62249
Toluene	ND	0.047		mg/Kg	1	8/31/2021 8:57:07 PM	62249
Ethylbenzene	ND	0.047		mg/Kg	1	8/31/2021 8:57:07 PM	62249
Xylenes, Total	ND	0.095		mg/Kg	1	8/31/2021 8:57:07 PM	62249
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	8/31/2021 8:57:07 PM	62249

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2108F58

Date Reported: 9/2/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-5/15'

Project: Leaman Federal 11

Collection Date: 8/26/2021 10:18:00 AM

Lab ID: 2108F58-015

Matrix: SOIL

Received Date: 8/27/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	2300	60		mg/Kg	20	9/1/2021 8:50:35 AM	62324
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	8/30/2021 2:06:48 PM	62253
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	8/30/2021 2:06:48 PM	62253
Surr: DNOP	109	70-130		%Rec	1	8/30/2021 2:06:48 PM	62253
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/31/2021 9:20:43 PM	62249
Surr: BFB	108	70-130		%Rec	1	8/31/2021 9:20:43 PM	62249
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	8/31/2021 9:20:43 PM	62249
Toluene	ND	0.050		mg/Kg	1	8/31/2021 9:20:43 PM	62249
Ethylbenzene	ND	0.050		mg/Kg	1	8/31/2021 9:20:43 PM	62249
Xylenes, Total	ND	0.10		mg/Kg	1	8/31/2021 9:20:43 PM	62249
Surr: 4-Bromofluorobenzene	99.2	70-130		%Rec	1	8/31/2021 9:20:43 PM	62249

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2108F58

Date Reported: 9/2/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-6/0'

Project: Leaman Federal 11

Collection Date: 8/26/2021 10:22:00 AM

Lab ID: 2108F58-016

Matrix: SOIL

Received Date: 8/27/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	61		mg/Kg	20	9/1/2021 10:44:13 AM	62324
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	8/30/2021 2:30:32 PM	62253
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	8/30/2021 2:30:32 PM	62253
Surr: DNOP	101	70-130		%Rec	1	8/30/2021 2:30:32 PM	62253
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/31/2021 9:44:20 PM	62249
Surr: BFB	111	70-130		%Rec	1	8/31/2021 9:44:20 PM	62249
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	8/31/2021 9:44:20 PM	62249
Toluene	ND	0.047		mg/Kg	1	8/31/2021 9:44:20 PM	62249
Ethylbenzene	ND	0.047		mg/Kg	1	8/31/2021 9:44:20 PM	62249
Xylenes, Total	ND	0.093		mg/Kg	1	8/31/2021 9:44:20 PM	62249
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	8/31/2021 9:44:20 PM	62249

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2108F58

Date Reported: 9/2/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-6/2'

Project: Leaman Federal 11

Collection Date: 8/26/2021 10:25:00 AM

Lab ID: 2108F58-017

Matrix: SOIL

Received Date: 8/27/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	650	59		mg/Kg	20	9/1/2021 10:56:37 AM	62324
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	8/30/2021 2:54:17 PM	62253
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/30/2021 2:54:17 PM	62253
Surr: DNOP	93.5	70-130		%Rec	1	8/30/2021 2:54:17 PM	62253
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/31/2021 10:31:29 PM	62249
Surr: BFB	106	70-130		%Rec	1	8/31/2021 10:31:29 PM	62249
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	8/31/2021 10:31:29 PM	62249
Toluene	ND	0.050		mg/Kg	1	8/31/2021 10:31:29 PM	62249
Ethylbenzene	ND	0.050		mg/Kg	1	8/31/2021 10:31:29 PM	62249
Xylenes, Total	ND	0.10		mg/Kg	1	8/31/2021 10:31:29 PM	62249
Surr: 4-Bromofluorobenzene	98.3	70-130		%Rec	1	8/31/2021 10:31:29 PM	62249

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2108F58

Date Reported: 9/2/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-6/4'

Project: Leaman Federal 11

Collection Date: 8/26/2021 10:30:00 AM

Lab ID: 2108F58-018

Matrix: SOIL

Received Date: 8/27/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	480	60		mg/Kg	20	9/1/2021 11:09:02 AM	62324
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	8/30/2021 3:18:02 PM	62253
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/30/2021 3:18:02 PM	62253
Surr: DNOP	97.7	70-130		%Rec	1	8/30/2021 3:18:02 PM	62253
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/31/2021 10:55:01 PM	62249
Surr: BFB	107	70-130		%Rec	1	8/31/2021 10:55:01 PM	62249
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	8/31/2021 10:55:01 PM	62249
Toluene	ND	0.049		mg/Kg	1	8/31/2021 10:55:01 PM	62249
Ethylbenzene	ND	0.049		mg/Kg	1	8/31/2021 10:55:01 PM	62249
Xylenes, Total	ND	0.098		mg/Kg	1	8/31/2021 10:55:01 PM	62249
Surr: 4-Bromofluorobenzene	99.1	70-130		%Rec	1	8/31/2021 10:55:01 PM	62249

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2108F58

Date Reported: 9/2/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-7/0'

Project: Leaman Federal 11

Collection Date: 8/26/2021 10:43:00 AM

Lab ID: 2108F58-019

Matrix: SOIL

Received Date: 8/27/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	61		mg/Kg	20	9/1/2021 11:21:27 AM	62324
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	14	9.6		mg/Kg	1	8/30/2021 3:41:51 PM	62253
Motor Oil Range Organics (MRO)	58	48		mg/Kg	1	8/30/2021 3:41:51 PM	62253
Surr: DNOP	104	70-130		%Rec	1	8/30/2021 3:41:51 PM	62253
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/31/2021 11:18:34 PM	62249
Surr: BFB	112	70-130		%Rec	1	8/31/2021 11:18:34 PM	62249
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	8/31/2021 11:18:34 PM	62249
Toluene	ND	0.048		mg/Kg	1	8/31/2021 11:18:34 PM	62249
Ethylbenzene	ND	0.048		mg/Kg	1	8/31/2021 11:18:34 PM	62249
Xylenes, Total	ND	0.097		mg/Kg	1	8/31/2021 11:18:34 PM	62249
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	8/31/2021 11:18:34 PM	62249

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2108F58

Date Reported: 9/2/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-7/2'

Project: Leaman Federal 11

Collection Date: 8/26/2021 10:46:00 AM

Lab ID: 2108F58-020

Matrix: SOIL

Received Date: 8/27/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	1100	60		mg/Kg	20	9/1/2021 11:33:52 AM	62324
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	8/30/2021 4:05:38 PM	62253
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	8/30/2021 4:05:38 PM	62253
Surr: DNOP	109	70-130		%Rec	1	8/30/2021 4:05:38 PM	62253
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/31/2021 11:42:09 PM	62249
Surr: BFB	109	70-130		%Rec	1	8/31/2021 11:42:09 PM	62249
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	8/31/2021 11:42:09 PM	62249
Toluene	ND	0.048		mg/Kg	1	8/31/2021 11:42:09 PM	62249
Ethylbenzene	ND	0.048		mg/Kg	1	8/31/2021 11:42:09 PM	62249
Xylenes, Total	ND	0.096		mg/Kg	1	8/31/2021 11:42:09 PM	62249
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	8/31/2021 11:42:09 PM	62249

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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Analytical Report

Lab Order 2108F58

Date Reported: 9/2/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-7/5'

Project: Leaman Federal 11

Collection Date: 8/26/2021 10:55:00 AM

Lab ID: 2108F58-021

Matrix: SOIL

Received Date: 8/27/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	650	59		mg/Kg	20	9/1/2021 11:46:16 AM	62324
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	8/30/2021 4:29:25 PM	62253
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/30/2021 4:29:25 PM	62253
Surr: DNOP	114	70-130		%Rec	1	8/30/2021 4:29:25 PM	62253
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/1/2021 12:05:44 AM	62249
Surr: BFB	108	70-130		%Rec	1	9/1/2021 12:05:44 AM	62249
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	9/1/2021 12:05:44 AM	62249
Toluene	ND	0.048		mg/Kg	1	9/1/2021 12:05:44 AM	62249
Ethylbenzene	ND	0.048		mg/Kg	1	9/1/2021 12:05:44 AM	62249
Xylenes, Total	ND	0.095		mg/Kg	1	9/1/2021 12:05:44 AM	62249
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	9/1/2021 12:05:44 AM	62249

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2108F58

02-Sep-21

Client: EOG
Project: Leaman Federal 11

Sample ID: MB-62300	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 62300	RunNo: 80905								
Prep Date: 8/31/2021	Analysis Date: 8/31/2021	SeqNo: 2856505 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-62300	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 62300	RunNo: 80905								
Prep Date: 8/31/2021	Analysis Date: 8/31/2021	SeqNo: 2856506 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.0	90	110			

Sample ID: MB-62324	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 62324	RunNo: 80950								
Prep Date: 9/1/2021	Analysis Date: 9/1/2021	SeqNo: 2857813 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-62324	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 62324	RunNo: 80950								
Prep Date: 9/1/2021	Analysis Date: 9/1/2021	SeqNo: 2857814 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.5	90	110			

Sample ID: MB-62300	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 62300	RunNo: 80950								
Prep Date: 8/31/2021	Analysis Date: 9/1/2021	SeqNo: 2857857 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-62300	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 62300	RunNo: 80950								
Prep Date: 8/31/2021	Analysis Date: 9/1/2021	SeqNo: 2857859 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.0	90	110			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2108F58

02-Sep-21

Client: EOG**Project:** Leaman Federal 11

Sample ID: MB-62253	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 62253	RunNo: 80906								
Prep Date: 8/28/2021	Analysis Date: 8/30/2021	SeqNo: 2856141 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		108	70	130			

Sample ID: LCS-62253	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 62253	RunNo: 80906								
Prep Date: 8/28/2021	Analysis Date: 8/30/2021	SeqNo: 2856142 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	87.4	68.9	135			
Surr: DNOP	4.7		5.000		94.1	70	130			

Sample ID: LCS-62277	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 62277	RunNo: 80945								
Prep Date: 8/30/2021	Analysis Date: 8/31/2021	SeqNo: 2857252 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.8		5.000		95.1	70	130			

Sample ID: MB-62277	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 62277	RunNo: 80945								
Prep Date: 8/30/2021	Analysis Date: 8/31/2021	SeqNo: 2857253 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	11		10.00		107	70	130			

Sample ID: MB-62277	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 62277	RunNo: 80946								
Prep Date: 8/30/2021	Analysis Date: 8/31/2021	SeqNo: 2857452 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	10		10.00		104	70	130			

Sample ID: LCS-62275	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 62275	RunNo: 80946								
Prep Date: 8/30/2021	Analysis Date: 8/31/2021	SeqNo: 2857455 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	55	10	50.00	0	111	68.9	135			
Surr: DNOP	5.7		5.000		115	70	130			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2108F5802-Sep-21

Client: EOG
Project: Leaman Federal 11

Sample ID: MB-62275	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 62275	RunNo: 80946								
Prep Date: 8/30/2021	Analysis Date: 8/31/2021	SeqNo: 2857456	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	13		10.00		127	70	130			

Qualifiers:

- *

Value exceeds Maximum Contaminant Level.
- D

Sample Diluted Due to Matrix
- H

Holding times for preparation or analysis exceeded
- ND

Not Detected at the Reporting Limit
- PQL

Practical Quantitative Limit
- S

% Recovery outside of range due to dilution or matrix
- B

Analyte detected in the associated Method Blank
- E

Value above quantitation range
- J

Analyte detected below quantitation limits
- P

Sample pH Not In Range
- RL

Reporting Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2108F58

02-Sep-21

Client: EOG**Project:** Leaman Federal 11

Sample ID: mb-62248	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 62248	RunNo: 80888								
Prep Date: 8/27/2021	Analysis Date: 8/30/2021	SeqNo: 2855370 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	900		1000		90.5	70	130			

Sample ID: lcs-62248	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 62248	RunNo: 80888								
Prep Date: 8/27/2021	Analysis Date: 8/30/2021	SeqNo: 2855372 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	95.4	78.6	131			
Surr: BFB	1000		1000		104	70	130			

Sample ID: mb-62249	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 62249	RunNo: 80917								
Prep Date: 8/27/2021	Analysis Date: 8/31/2021	SeqNo: 2856461 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		115	70	130			

Sample ID: lcs-62249	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 62249	RunNo: 80917								
Prep Date: 8/27/2021	Analysis Date: 8/31/2021	SeqNo: 2856462 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	29	5.0	25.00	0	114	78.6	131			
Surr: BFB	1300		1000		127	70	130			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2108F58

02-Sep-21

Client: EOG**Project:** Leaman Federal 11

Sample ID: mb-62248	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 62248	RunNo: 80888								
Prep Date: 8/27/2021	Analysis Date: 8/30/2021	SeqNo: 2855401 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.81		1.000		80.7	70	130			

Sample ID: lcs-62248	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 62248	RunNo: 80888								
Prep Date: 8/27/2021	Analysis Date: 8/30/2021	SeqNo: 2855403 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.025	1.000	0	89.2	80	120			
Toluene	0.90	0.050	1.000	0	89.7	80	120			
Ethylbenzene	0.92	0.050	1.000	0	92.0	80	120			
Xylenes, Total	2.8	0.10	3.000	0	92.3	80	120			
Surr: 4-Bromofluorobenzene	0.83		1.000		83.0	70	130			

Sample ID: mb-62249	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 62249	RunNo: 80917								
Prep Date: 8/27/2021	Analysis Date: 8/31/2021	SeqNo: 2856572 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		104	70	130			

Sample ID: LCS-62249	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 62249	RunNo: 80917								
Prep Date: 8/27/2021	Analysis Date: 8/31/2021	SeqNo: 2856573 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.025	1.000	0	97.4	80	120			
Toluene	0.98	0.050	1.000	0	97.7	80	120			
Ethylbenzene	0.97	0.050	1.000	0	97.0	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.5	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		107	70	130			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

Sample Log-In Check List

Client Name: EOG

Work Order Number: 2108F58

RcptNo: 1

Received By: Cheyenne Cason 8/27/2021 7:20:00 AM

Completed By: Sean Livingston 8/27/2021 8:34:13 AM

Reviewed By: *Handwritten initials* JR 8/27/21
KPG 8/27/21

Handwritten signature
Handwritten signature

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace $<1/4"$ for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:
(<2 or >12 unless noted)

Adjusted?

Checked by: *KPG 8/27/21*Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:

Date:

By Whom:

Via:

☐ eMail☐ Phone☐ Fax☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.7	Good				



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

Will Kierdorf
EOG
105 South Fourth Street
Artesia, NM 88210
TEL:
FAX

RE: Lehman Federal 11

OrderNo.: 2111A40

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 27 sample(s) on 11/18/2021 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2111A40

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-5A/15'

Project: Lehman Federal 11

Collection Date: 11/17/2021 9:13:00 AM

Lab ID: 2111A40-001

Matrix: SOIL

Received Date: 11/18/2021 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	750	60		mg/Kg	20	11/23/2021 8:56:02 PM	64134
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	11/24/2021 2:22:58 PM	64120
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/24/2021 2:22:58 PM	64120
Surr: DNOP	95.0	70-130		%Rec	1	11/24/2021 2:22:58 PM	64120
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/23/2021 5:02:34 PM	64092
Surr: BFB	101	70-130		%Rec	1	11/23/2021 5:02:34 PM	64092
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	11/23/2021 5:02:34 PM	64092
Toluene	ND	0.047		mg/Kg	1	11/23/2021 5:02:34 PM	64092
Ethylbenzene	ND	0.047		mg/Kg	1	11/23/2021 5:02:34 PM	64092
Xylenes, Total	ND	0.095		mg/Kg	1	11/23/2021 5:02:34 PM	64092
Surr: 4-Bromofluorobenzene	99.0	70-130		%Rec	1	11/23/2021 5:02:34 PM	64092

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2111A40

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-5A/18'

Project: Lehman Federal 11

Collection Date: 11/17/2021 9:19:00 AM

Lab ID: 2111A40-002

Matrix: SOIL

Received Date: 11/18/2021 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	450	60		mg/Kg	20	11/23/2021 9:08:23 PM	64134
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	11/24/2021 2:33:50 PM	64120
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	11/24/2021 2:33:50 PM	64120
Surr: DNOP	89.8	70-130		%Rec	1	11/24/2021 2:33:50 PM	64120
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/23/2021 5:26:07 PM	64092
Surr: BFB	101	70-130		%Rec	1	11/23/2021 5:26:07 PM	64092
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	11/23/2021 5:26:07 PM	64092
Toluene	ND	0.047		mg/Kg	1	11/23/2021 5:26:07 PM	64092
Ethylbenzene	ND	0.047		mg/Kg	1	11/23/2021 5:26:07 PM	64092
Xylenes, Total	ND	0.093		mg/Kg	1	11/23/2021 5:26:07 PM	64092
Surr: 4-Bromofluorobenzene	98.9	70-130		%Rec	1	11/23/2021 5:26:07 PM	64092

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2111A40

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-5A/21'

Project: Lehman Federal 11

Collection Date: 11/17/2021 9:23:00 AM

Lab ID: 2111A40-003

Matrix: SOIL

Received Date: 11/18/2021 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	140	60		mg/Kg	20	11/23/2021 11:11:52 PM	64140
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	11/29/2021 8:10:50 PM	64154
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	11/29/2021 8:10:50 PM	64154
Surr: DNOP	91.6	70-130		%Rec	1	11/29/2021 8:10:50 PM	64154
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/23/2021 5:49:38 PM	64092
Surr: BFB	101	70-130		%Rec	1	11/23/2021 5:49:38 PM	64092
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	11/23/2021 5:49:38 PM	64092
Toluene	ND	0.047		mg/Kg	1	11/23/2021 5:49:38 PM	64092
Ethylbenzene	ND	0.047		mg/Kg	1	11/23/2021 5:49:38 PM	64092
Xylenes, Total	ND	0.095		mg/Kg	1	11/23/2021 5:49:38 PM	64092
Surr: 4-Bromofluorobenzene	98.8	70-130		%Rec	1	11/23/2021 5:49:38 PM	64092

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2111A40

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-5B/15'

Project: Lehman Federal 11

Collection Date: 11/17/2021 10:18:00 AM

Lab ID: 2111A40-004

Matrix: SOIL

Received Date: 11/18/2021 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	750	60		mg/Kg	20	11/23/2021 11:24:12 PM	64140
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/29/2021 8:42:24 PM	64154
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/29/2021 8:42:24 PM	64154
Surr: DNOP	106	70-130		%Rec	1	11/29/2021 8:42:24 PM	64154
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/23/2021 6:13:02 PM	64092
Surr: BFB	102	70-130		%Rec	1	11/23/2021 6:13:02 PM	64092
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	11/23/2021 6:13:02 PM	64092
Toluene	ND	0.047		mg/Kg	1	11/23/2021 6:13:02 PM	64092
Ethylbenzene	ND	0.047		mg/Kg	1	11/23/2021 6:13:02 PM	64092
Xylenes, Total	ND	0.095		mg/Kg	1	11/23/2021 6:13:02 PM	64092
Surr: 4-Bromofluorobenzene	99.6	70-130		%Rec	1	11/23/2021 6:13:02 PM	64092

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2111A40

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-5B/18'

Project: Lehman Federal 11

Collection Date: 11/17/2021 10:27:00 AM

Lab ID: 2111A40-005

Matrix: SOIL

Received Date: 11/18/2021 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	300	60		mg/Kg	20	11/23/2021 11:36:33 PM	64140
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/29/2021 8:52:55 PM	64154
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/29/2021 8:52:55 PM	64154
Surr: DNOP	117	70-130		%Rec	1	11/29/2021 8:52:55 PM	64154
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/23/2021 6:36:14 PM	64092
Surr: BFB	103	70-130		%Rec	1	11/23/2021 6:36:14 PM	64092
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	11/23/2021 6:36:14 PM	64092
Toluene	ND	0.049		mg/Kg	1	11/23/2021 6:36:14 PM	64092
Ethylbenzene	ND	0.049		mg/Kg	1	11/23/2021 6:36:14 PM	64092
Xylenes, Total	ND	0.098		mg/Kg	1	11/23/2021 6:36:14 PM	64092
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	11/23/2021 6:36:14 PM	64092

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2111A40

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-5B/21'

Project: Lehman Federal 11

Collection Date: 11/17/2021 10:34:00 AM

Lab ID: 2111A40-006

Matrix: SOIL

Received Date: 11/18/2021 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	320	60		mg/Kg	20	11/23/2021 11:48:53 PM	64140
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	11/29/2021 9:03:25 PM	64154
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	11/29/2021 9:03:25 PM	64154
Surr: DNOP	96.6	70-130		%Rec	1	11/29/2021 9:03:25 PM	64154
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/23/2021 6:59:49 PM	64092
Surr: BFB	101	70-130		%Rec	1	11/23/2021 6:59:49 PM	64092
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	11/23/2021 6:59:49 PM	64092
Toluene	ND	0.048		mg/Kg	1	11/23/2021 6:59:49 PM	64092
Ethylbenzene	ND	0.048		mg/Kg	1	11/23/2021 6:59:49 PM	64092
Xylenes, Total	ND	0.096		mg/Kg	1	11/23/2021 6:59:49 PM	64092
Surr: 4-Bromofluorobenzene	99.9	70-130		%Rec	1	11/23/2021 6:59:49 PM	64092

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2111A40

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-8/0'

Project: Lehman Federal 11

Collection Date: 11/17/2021 10:39:00 AM

Lab ID: 2111A40-007

Matrix: SOIL

Received Date: 11/18/2021 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	11/24/2021 12:01:14 AM	64140
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	11/29/2021 9:13:54 PM	64154
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/29/2021 9:13:54 PM	64154
Surr: DNOP	102	70-130		%Rec	1	11/29/2021 9:13:54 PM	64154
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/24/2021 1:09:00 AM	64100
Surr: BFB	94.6	70-130		%Rec	1	11/24/2021 1:09:00 AM	64100
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	11/24/2021 1:09:00 AM	64100
Toluene	ND	0.049		mg/Kg	1	11/24/2021 1:09:00 AM	64100
Ethylbenzene	ND	0.049		mg/Kg	1	11/24/2021 1:09:00 AM	64100
Xylenes, Total	ND	0.097		mg/Kg	1	11/24/2021 1:09:00 AM	64100
Surr: 4-Bromofluorobenzene	90.3	70-130		%Rec	1	11/24/2021 1:09:00 AM	64100

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2111A40

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-8/2'

Project: Lehman Federal 11

Collection Date: 11/17/2021 10:40:00 AM

Lab ID: 2111A40-008

Matrix: SOIL

Received Date: 11/18/2021 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	220	60		mg/Kg	20	11/24/2021 12:13:34 AM	64140
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	11/29/2021 9:24:22 PM	64154
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/29/2021 9:24:22 PM	64154
Surr: DNOP	109	70-130		%Rec	1	11/29/2021 9:24:22 PM	64154
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/24/2021 2:08:00 AM	64100
Surr: BFB	98.3	70-130		%Rec	1	11/24/2021 2:08:00 AM	64100
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	11/24/2021 2:08:00 AM	64100
Toluene	ND	0.048		mg/Kg	1	11/24/2021 2:08:00 AM	64100
Ethylbenzene	ND	0.048		mg/Kg	1	11/24/2021 2:08:00 AM	64100
Xylenes, Total	ND	0.096		mg/Kg	1	11/24/2021 2:08:00 AM	64100
Surr: 4-Bromofluorobenzene	91.0	70-130		%Rec	1	11/24/2021 2:08:00 AM	64100

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2111A40

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-8/4'

Project: Lehman Federal 11

Collection Date: 11/17/2021 10:42:00 AM

Lab ID: 2111A40-009

Matrix: SOIL

Received Date: 11/18/2021 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	11/24/2021 12:50:37 AM	64140
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	11/29/2021 9:34:51 PM	64154
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/29/2021 9:34:51 PM	64154
Surr: DNOP	102	70-130		%Rec	1	11/29/2021 9:34:51 PM	64154
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	11/24/2021 3:59:47 AM	64100
Surr: BFB	104	70-130		%Rec	1	11/24/2021 3:59:47 AM	64100
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	11/24/2021 3:59:47 AM	64100
Toluene	ND	0.050		mg/Kg	1	11/24/2021 3:59:47 AM	64100
Ethylbenzene	ND	0.050		mg/Kg	1	11/24/2021 3:59:47 AM	64100
Xylenes, Total	ND	0.10		mg/Kg	1	11/24/2021 3:59:47 AM	64100
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	11/24/2021 3:59:47 AM	64100

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order 2111A40

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-9/1'

Project: Lehman Federal 11

Collection Date: 11/17/2021 11:00:00 AM

Lab ID: 2111A40-010

Matrix: SOIL

Received Date: 11/18/2021 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1300	60		mg/Kg	20	11/24/2021 1:02:58 AM	64140
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	11/29/2021 9:45:20 PM	64154
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	11/29/2021 9:45:20 PM	64154
Surr: DNOP	124	70-130		%Rec	1	11/29/2021 9:45:20 PM	64154
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/24/2021 4:23:11 AM	64100
Surr: BFB	98.8	70-130		%Rec	1	11/24/2021 4:23:11 AM	64100
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	11/24/2021 4:23:11 AM	64100
Toluene	ND	0.048		mg/Kg	1	11/24/2021 4:23:11 AM	64100
Ethylbenzene	ND	0.048		mg/Kg	1	11/24/2021 4:23:11 AM	64100
Xylenes, Total	ND	0.096		mg/Kg	1	11/24/2021 4:23:11 AM	64100
Surr: 4-Bromofluorobenzene	97.3	70-130		%Rec	1	11/24/2021 4:23:11 AM	64100

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2111A40

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-9/4'

Project: Lehman Federal 11

Collection Date: 11/17/2021 11:03:00 AM

Lab ID: 2111A40-011

Matrix: SOIL

Received Date: 11/18/2021 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	700	60		mg/Kg	20	11/24/2021 1:15:19 AM	64140
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	11/29/2021 9:55:50 PM	64154
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/29/2021 9:55:50 PM	64154
Surr: DNOP	110	70-130		%Rec	1	11/29/2021 9:55:50 PM	64154
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/24/2021 4:46:37 AM	64100
Surr: BFB	101	70-130		%Rec	1	11/24/2021 4:46:37 AM	64100
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	11/24/2021 4:46:37 AM	64100
Toluene	ND	0.048		mg/Kg	1	11/24/2021 4:46:37 AM	64100
Ethylbenzene	ND	0.048		mg/Kg	1	11/24/2021 4:46:37 AM	64100
Xylenes, Total	ND	0.096		mg/Kg	1	11/24/2021 4:46:37 AM	64100
Surr: 4-Bromofluorobenzene	99.8	70-130		%Rec	1	11/24/2021 4:46:37 AM	64100

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2111A40

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-9/6'

Project: Lehman Federal 11

Collection Date: 11/17/2021 11:15:00 AM

Lab ID: 2111A40-012

Matrix: SOIL

Received Date: 11/18/2021 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	770	60		mg/Kg	20	11/24/2021 1:27:40 AM	64140
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	11/29/2021 10:06:23 PM	64154
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/29/2021 10:06:23 PM	64154
Surr: DNOP	111	70-130		%Rec	1	11/29/2021 10:06:23 PM	64154
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/24/2021 5:10:04 AM	64100
Surr: BFB	101	70-130		%Rec	1	11/24/2021 5:10:04 AM	64100
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	11/24/2021 5:10:04 AM	64100
Toluene	ND	0.048		mg/Kg	1	11/24/2021 5:10:04 AM	64100
Ethylbenzene	ND	0.048		mg/Kg	1	11/24/2021 5:10:04 AM	64100
Xylenes, Total	ND	0.097		mg/Kg	1	11/24/2021 5:10:04 AM	64100
Surr: 4-Bromofluorobenzene	99.2	70-130		%Rec	1	11/24/2021 5:10:04 AM	64100

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2111A40

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-10/0'

Project: Lehman Federal 11

Collection Date: 11/17/2021 11:04:00 AM

Lab ID: 2111A40-013

Matrix: SOIL

Received Date: 11/18/2021 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	11/24/2021 1:40:01 AM	64140
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	11/29/2021 10:16:55 PM	64154
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/29/2021 10:16:55 PM	64154
Surr: DNOP	107	70-130		%Rec	1	11/29/2021 10:16:55 PM	64154
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/24/2021 4:29:00 PM	64100
Surr: BFB	95.9	70-130		%Rec	1	11/24/2021 4:29:00 PM	64100
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	11/24/2021 4:29:00 PM	64100
Toluene	ND	0.048		mg/Kg	1	11/24/2021 4:29:00 PM	64100
Ethylbenzene	ND	0.048		mg/Kg	1	11/24/2021 4:29:00 PM	64100
Xylenes, Total	ND	0.096		mg/Kg	1	11/24/2021 4:29:00 PM	64100
Surr: 4-Bromofluorobenzene	90.3	70-130		%Rec	1	11/24/2021 4:29:00 PM	64100

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2111A40

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-10/2'

Project: Lehman Federal 11

Collection Date: 11/17/2021 11:05:00 AM

Lab ID: 2111A40-014

Matrix: SOIL

Received Date: 11/18/2021 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	59		mg/Kg	20	11/24/2021 1:52:22 AM	64140
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/29/2021 10:27:28 PM	64154
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/29/2021 10:27:28 PM	64154
Surr: DNOP	79.2	70-130		%Rec	1	11/29/2021 10:27:28 PM	64154
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/24/2021 4:49:00 PM	64100
Surr: BFB	90.4	70-130		%Rec	1	11/24/2021 4:49:00 PM	64100
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.023		mg/Kg	1	11/24/2021 4:49:00 PM	64100
Toluene	ND	0.047		mg/Kg	1	11/24/2021 4:49:00 PM	64100
Ethylbenzene	ND	0.047		mg/Kg	1	11/24/2021 4:49:00 PM	64100
Xylenes, Total	ND	0.093		mg/Kg	1	11/24/2021 4:49:00 PM	64100
Surr: 4-Bromofluorobenzene	87.0	70-130		%Rec	1	11/24/2021 4:49:00 PM	64100

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2111A40

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-10/4'

Project: Lehman Federal 11

Collection Date: 11/17/2021 11:10:00 AM

Lab ID: 2111A40-015

Matrix: SOIL

Received Date: 11/18/2021 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	65	59		mg/Kg	20	11/24/2021 2:04:43 AM	64140
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	11/29/2021 10:38:04 PM	64154
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	11/29/2021 10:38:04 PM	64154
Surr: DNOP	102	70-130		%Rec	1	11/29/2021 10:38:04 PM	64154
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/24/2021 5:08:00 PM	64100
Surr: BFB	93.9	70-130		%Rec	1	11/24/2021 5:08:00 PM	64100
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	11/24/2021 5:08:00 PM	64100
Toluene	ND	0.049		mg/Kg	1	11/24/2021 5:08:00 PM	64100
Ethylbenzene	ND	0.049		mg/Kg	1	11/24/2021 5:08:00 PM	64100
Xylenes, Total	ND	0.097		mg/Kg	1	11/24/2021 5:08:00 PM	64100
Surr: 4-Bromofluorobenzene	89.0	70-130		%Rec	1	11/24/2021 5:08:00 PM	64100

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order 2111A40

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-11/0'

Project: Lehman Federal 11

Collection Date: 11/17/2021 11:29:00 AM

Lab ID: 2111A40-016

Matrix: SOIL

Received Date: 11/18/2021 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1000	60		mg/Kg	20	11/24/2021 2:17:05 AM	64140
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/29/2021 10:48:38 PM	64154
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/29/2021 10:48:38 PM	64154
Surr: DNOP	90.4	70-130		%Rec	1	11/29/2021 10:48:38 PM	64154
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/24/2021 5:28:00 PM	64100
Surr: BFB	94.7	70-130		%Rec	1	11/24/2021 5:28:00 PM	64100
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	11/24/2021 5:28:00 PM	64100
Toluene	ND	0.048		mg/Kg	1	11/24/2021 5:28:00 PM	64100
Ethylbenzene	ND	0.048		mg/Kg	1	11/24/2021 5:28:00 PM	64100
Xylenes, Total	ND	0.095		mg/Kg	1	11/24/2021 5:28:00 PM	64100
Surr: 4-Bromofluorobenzene	89.3	70-130		%Rec	1	11/24/2021 5:28:00 PM	64100

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order 2111A40

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-11/3'

Project: Lehman Federal 11

Collection Date: 11/17/2021 11:33:00 AM

Lab ID: 2111A40-017

Matrix: SOIL

Received Date: 11/18/2021 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1000	60		mg/Kg	20	11/24/2021 2:29:26 AM	64140
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	11/29/2021 10:59:13 PM	64154
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	11/29/2021 10:59:13 PM	64154
Surr: DNOP	80.2	70-130		%Rec	1	11/29/2021 10:59:13 PM	64154
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/24/2021 5:47:00 PM	64100
Surr: BFB	92.7	70-130		%Rec	1	11/24/2021 5:47:00 PM	64100
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	11/24/2021 5:47:00 PM	64100
Toluene	ND	0.048		mg/Kg	1	11/24/2021 5:47:00 PM	64100
Ethylbenzene	ND	0.048		mg/Kg	1	11/24/2021 5:47:00 PM	64100
Xylenes, Total	ND	0.095		mg/Kg	1	11/24/2021 5:47:00 PM	64100
Surr: 4-Bromofluorobenzene	88.5	70-130		%Rec	1	11/24/2021 5:47:00 PM	64100

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order 2111A40

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-11/6'

Project: Lehman Federal 11

Collection Date: 11/17/2021 12:05:00 PM

Lab ID: 2111A40-018

Matrix: SOIL

Received Date: 11/18/2021 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	240	60		mg/Kg	20	11/24/2021 2:41:47 AM	64140
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	11/29/2021 11:09:51 PM	64154
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/29/2021 11:09:51 PM	64154
Surr: DNOP	79.9	70-130		%Rec	1	11/29/2021 11:09:51 PM	64154
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	11/24/2021 6:07:00 PM	64100
Surr: BFB	95.9	70-130		%Rec	1	11/24/2021 6:07:00 PM	64100
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.023		mg/Kg	1	11/24/2021 6:07:00 PM	64100
Toluene	ND	0.046		mg/Kg	1	11/24/2021 6:07:00 PM	64100
Ethylbenzene	ND	0.046		mg/Kg	1	11/24/2021 6:07:00 PM	64100
Xylenes, Total	ND	0.091		mg/Kg	1	11/24/2021 6:07:00 PM	64100
Surr: 4-Bromofluorobenzene	89.1	70-130		%Rec	1	11/24/2021 6:07:00 PM	64100

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2111A40

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-12/0'

Project: Lehman Federal 11

Collection Date: 11/17/2021 11:47:00 AM

Lab ID: 2111A40-019

Matrix: SOIL

Received Date: 11/18/2021 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	11/24/2021 3:18:50 AM	64140
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	11/29/2021 11:20:27 PM	64154
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/29/2021 11:20:27 PM	64154
Surr: DNOP	76.9	70-130		%Rec	1	11/29/2021 11:20:27 PM	64154
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/24/2021 6:27:00 PM	64100
Surr: BFB	95.5	70-130		%Rec	1	11/24/2021 6:27:00 PM	64100
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	11/24/2021 6:27:00 PM	64100
Toluene	ND	0.048		mg/Kg	1	11/24/2021 6:27:00 PM	64100
Ethylbenzene	ND	0.048		mg/Kg	1	11/24/2021 6:27:00 PM	64100
Xylenes, Total	ND	0.097		mg/Kg	1	11/24/2021 6:27:00 PM	64100
Surr: 4-Bromofluorobenzene	88.5	70-130		%Rec	1	11/24/2021 6:27:00 PM	64100

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2111A40

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-12/2'

Project: Lehman Federal 11

Collection Date: 11/17/2021 11:50:00 AM

Lab ID: 2111A40-020

Matrix: SOIL

Received Date: 11/18/2021 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	190	60		mg/Kg	20	11/24/2021 3:31:11 AM	64140
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	11/29/2021 11:31:05 PM	64154
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	11/29/2021 11:31:05 PM	64154
Surr: DNOP	75.9	70-130		%Rec	1	11/29/2021 11:31:05 PM	64154
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	11/24/2021 6:46:00 PM	64100
Surr: BFB	101	70-130		%Rec	1	11/24/2021 6:46:00 PM	64100
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	11/24/2021 6:46:00 PM	64100
Toluene	ND	0.050		mg/Kg	1	11/24/2021 6:46:00 PM	64100
Ethylbenzene	ND	0.050		mg/Kg	1	11/24/2021 6:46:00 PM	64100
Xylenes, Total	ND	0.099		mg/Kg	1	11/24/2021 6:46:00 PM	64100
Surr: 4-Bromofluorobenzene	92.7	70-130		%Rec	1	11/24/2021 6:46:00 PM	64100

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2111A40

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-12/4'

Project: Lehman Federal 11

Collection Date: 11/17/2021 11:52:00 AM

Lab ID: 2111A40-021

Matrix: SOIL

Received Date: 11/18/2021 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	11/24/2021 3:43:31 AM	64140
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	11/29/2021 11:41:46 PM	64154
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/29/2021 11:41:46 PM	64154
Surr: DNOP	87.6	70-130		%Rec	1	11/29/2021 11:41:46 PM	64154
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	11/24/2021 7:06:00 PM	64100
Surr: BFB	96.8	70-130		%Rec	1	11/24/2021 7:06:00 PM	64100
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	11/24/2021 7:06:00 PM	64100
Toluene	ND	0.050		mg/Kg	1	11/24/2021 7:06:00 PM	64100
Ethylbenzene	ND	0.050		mg/Kg	1	11/24/2021 7:06:00 PM	64100
Xylenes, Total	ND	0.10		mg/Kg	1	11/24/2021 7:06:00 PM	64100
Surr: 4-Bromofluorobenzene	91.4	70-130		%Rec	1	11/24/2021 7:06:00 PM	64100

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2111A40

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-13/0'

Project: Lehman Federal 11

Collection Date: 11/17/2021 1:01:00 PM

Lab ID: 2111A40-022

Matrix: SOIL

Received Date: 11/18/2021 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	100	60		mg/Kg	20	11/24/2021 4:20:33 AM	64140
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	11/30/2021 12:59:14 PM	64154
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/30/2021 12:59:14 PM	64154
Surr: DNOP	92.0	70-130		%Rec	1	11/30/2021 12:59:14 PM	64154
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/24/2021 7:26:00 PM	64100
Surr: BFB	95.1	70-130		%Rec	1	11/24/2021 7:26:00 PM	64100
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	11/24/2021 7:26:00 PM	64100
Toluene	ND	0.048		mg/Kg	1	11/24/2021 7:26:00 PM	64100
Ethylbenzene	ND	0.048		mg/Kg	1	11/24/2021 7:26:00 PM	64100
Xylenes, Total	ND	0.096		mg/Kg	1	11/24/2021 7:26:00 PM	64100
Surr: 4-Bromofluorobenzene	90.4	70-130		%Rec	1	11/24/2021 7:26:00 PM	64100

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order 2111A40

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-13/2'

Project: Lehman Federal 11

Collection Date: 11/17/2021 1:07:00 PM

Lab ID: 2111A40-023

Matrix: SOIL

Received Date: 11/18/2021 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	140	60		mg/Kg	20	11/24/2021 9:42:13 AM	64155
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	11/29/2021 5:08:39 PM	64165
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/29/2021 5:08:39 PM	64165
Surr: DNOP	87.4	70-130		%Rec	1	11/29/2021 5:08:39 PM	64165
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/24/2021 9:43:00 PM	64100
Surr: BFB	97.3	70-130		%Rec	1	11/24/2021 9:43:00 PM	64100
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	11/29/2021 2:14:00 PM	64100
Toluene	ND	0.047		mg/Kg	1	11/29/2021 2:14:00 PM	64100
Ethylbenzene	ND	0.047		mg/Kg	1	11/29/2021 2:14:00 PM	64100
Xylenes, Total	ND	0.094		mg/Kg	1	11/29/2021 2:14:00 PM	64100
Surr: 4-Bromofluorobenzene	86.3	70-130		%Rec	1	11/29/2021 2:14:00 PM	64100

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2111A40

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-13/4'

Project: Lehman Federal 11

Collection Date: 11/17/2021 1:10:00 PM

Lab ID: 2111A40-024

Matrix: SOIL

Received Date: 11/18/2021 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	360	60		mg/Kg	20	11/24/2021 9:54:34 AM	64155
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	11/29/2021 5:19:33 PM	64165
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	11/29/2021 5:19:33 PM	64165
Surr: DNOP	87.5	70-130		%Rec	1	11/29/2021 5:19:33 PM	64165
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/24/2021 10:03:00 PM	64100
Surr: BFB	93.6	70-130		%Rec	1	11/24/2021 10:03:00 PM	64100
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	11/29/2021 2:34:00 PM	64100
Toluene	ND	0.048		mg/Kg	1	11/29/2021 2:34:00 PM	64100
Ethylbenzene	ND	0.048		mg/Kg	1	11/29/2021 2:34:00 PM	64100
Xylenes, Total	ND	0.095		mg/Kg	1	11/29/2021 2:34:00 PM	64100
Surr: 4-Bromofluorobenzene	87.5	70-130		%Rec	1	11/29/2021 2:34:00 PM	64100

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2111A40

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-14/0'

Project: Lehman Federal 11

Collection Date: 11/17/2021 12:52:00 PM

Lab ID: 2111A40-025

Matrix: SOIL

Received Date: 11/18/2021 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	11/24/2021 10:06:55 AM	64155
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	11/29/2021 5:30:26 PM	64165
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/29/2021 5:30:26 PM	64165
Surr: DNOP	88.8	70-130		%Rec	1	11/29/2021 5:30:26 PM	64165
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/24/2021 10:22:00 PM	64100
Surr: BFB	95.3	70-130		%Rec	1	11/24/2021 10:22:00 PM	64100
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	11/29/2021 2:53:00 PM	64100
Toluene	ND	0.049		mg/Kg	1	11/29/2021 2:53:00 PM	64100
Ethylbenzene	ND	0.049		mg/Kg	1	11/29/2021 2:53:00 PM	64100
Xylenes, Total	ND	0.097		mg/Kg	1	11/29/2021 2:53:00 PM	64100
Surr: 4-Bromofluorobenzene	87.0	70-130		%Rec	1	11/29/2021 2:53:00 PM	64100

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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Analytical Report

Lab Order 2111A40

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-14/2'

Project: Lehman Federal 11

Collection Date: 11/17/2021 12:54:00 PM

Lab ID: 2111A40-026

Matrix: SOIL

Received Date: 11/18/2021 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	130	60		mg/Kg	20	11/24/2021 10:19:16 AM	64155
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	11/29/2021 5:41:16 PM	64165
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/29/2021 5:41:16 PM	64165
Surr: DNOP	85.4	70-130		%Rec	1	11/29/2021 5:41:16 PM	64165
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	11/24/2021 10:42:00 PM	64100
Surr: BFB	97.4	70-130		%Rec	1	11/24/2021 10:42:00 PM	64100
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.023		mg/Kg	1	11/29/2021 3:13:00 PM	64100
Toluene	ND	0.046		mg/Kg	1	11/29/2021 3:13:00 PM	64100
Ethylbenzene	ND	0.046		mg/Kg	1	11/29/2021 3:13:00 PM	64100
Xylenes, Total	ND	0.092		mg/Kg	1	11/29/2021 3:13:00 PM	64100
Surr: 4-Bromofluorobenzene	91.3	70-130		%Rec	1	11/29/2021 3:13:00 PM	64100

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order 2111A40

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: TH-14/4'

Project: Lehman Federal 11

Collection Date: 11/17/2021 1:00:00 PM

Lab ID: 2111A40-027

Matrix: SOIL

Received Date: 11/18/2021 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	360	60		mg/Kg	20	11/24/2021 10:31:36 AM	64155
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/29/2021 5:52:07 PM	64165
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/29/2021 5:52:07 PM	64165
Surr: DNOP	82.2	70-130		%Rec	1	11/29/2021 5:52:07 PM	64165
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/24/2021 2:12:00 PM	64119
Surr: BFB	96.1	70-130		%Rec	1	11/24/2021 2:12:00 PM	64119
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	11/24/2021 2:12:00 PM	64119
Toluene	ND	0.048		mg/Kg	1	11/24/2021 2:12:00 PM	64119
Ethylbenzene	ND	0.048		mg/Kg	1	11/24/2021 2:12:00 PM	64119
Xylenes, Total	ND	0.097		mg/Kg	1	11/24/2021 2:12:00 PM	64119
Surr: 4-Bromofluorobenzene	89.1	70-130		%Rec	1	11/24/2021 2:12:00 PM	64119

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2111A40

02-Dec-21

Client: EOG**Project:** Lehman Federal 11

Sample ID: MB-64134	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 64134	RunNo: 83084								
Prep Date: 11/23/2021	Analysis Date: 11/23/2021	SeqNo: 2951478		Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-64134	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 64134	RunNo: 83084								
Prep Date: 11/23/2021	Analysis Date: 11/23/2021	SeqNo: 2951479		Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.7	90	110			

Sample ID: MB-64140	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 64140	RunNo: 83084								
Prep Date: 11/23/2021	Analysis Date: 11/23/2021	SeqNo: 2951510		Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-64140	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 64140	RunNo: 83084								
Prep Date: 11/23/2021	Analysis Date: 11/23/2021	SeqNo: 2951511		Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.4	90	110			

Sample ID: MB-64155	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 64155	RunNo: 83124								
Prep Date: 11/24/2021	Analysis Date: 11/24/2021	SeqNo: 2952997		Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-64155	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 64155	RunNo: 83124								
Prep Date: 11/24/2021	Analysis Date: 11/24/2021	SeqNo: 2952998		Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.6	90	110			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2111A40

02-Dec-21

Client: EOG
Project: Lehman Federal 11

Sample ID: MB-64120	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 64120	RunNo: 83097								
Prep Date: 11/23/2021	Analysis Date: 11/24/2021	SeqNo: 2953121			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	12		10.00		117	70	130			

Sample ID: LCS-64120	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 64120	RunNo: 83097								
Prep Date: 11/23/2021	Analysis Date: 11/24/2021	SeqNo: 2953122			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	56	10	50.00	0	111	68.9	135			
Surr: DNOP	5.8		5.000		116	70	130			

Sample ID: LCS-64154	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 64154	RunNo: 83127								
Prep Date: 11/24/2021	Analysis Date: 11/29/2021	SeqNo: 2954158			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	89.0	68.9	135			
Surr: DNOP	4.2		5.000		84.3	70	130			

Sample ID: MB-64154	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 64154	RunNo: 83127								
Prep Date: 11/24/2021	Analysis Date: 11/29/2021	SeqNo: 2954159			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		106	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2111A40

02-Dec-21

Client: EOG
Project: Lehman Federal 11

Sample ID: mb-64092	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 64092			RunNo: 83080						
Prep Date: 11/22/2021	Analysis Date: 11/23/2021			SeqNo: 2951072		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		101	70	130			

Sample ID: lcs-64092	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 64092			RunNo: 83080						
Prep Date: 11/22/2021	Analysis Date: 11/23/2021			SeqNo: 2951073		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	98.2	78.6	131			
Surr: BFB	1100		1000		114	70	130			

Sample ID: mb-64100	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 64100			RunNo: 83079						
Prep Date: 11/22/2021	Analysis Date: 11/24/2021			SeqNo: 2951138		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	920		1000		92.0	70	130			

Sample ID: lcs-64100	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 64100			RunNo: 83079						
Prep Date: 11/22/2021	Analysis Date: 11/24/2021			SeqNo: 2951140		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	93.8	78.6	131			
Surr: BFB	1100		1000		109	70	130			

Sample ID: mb-64119	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 64119			RunNo: 83087						
Prep Date: 11/23/2021	Analysis Date: 11/24/2021			SeqNo: 2951620		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	950		1000		95.4	70	130			

Sample ID: lcs-64119	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 64119			RunNo: 83087						
Prep Date: 11/23/2021	Analysis Date: 11/24/2021			SeqNo: 2951621		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2111A40
02-Dec-21

Client: EOG
Project: Lehman Federal 11

Sample ID: Ics-64119		SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS		Batch ID: 64119		RunNo: 83087						
Prep Date: 11/23/2021		Analysis Date: 11/24/2021		SeqNo: 2951621		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	97.6	78.6	131			
Surr: BFB	1100		1000		114	70	130			

Qualifiers:

- *

Value exceeds Maximum Contaminant Level.
- D

Sample Diluted Due to Matrix
- H

Holding times for preparation or analysis exceeded
- ND

Not Detected at the Reporting Limit
- PQL

Practical Quantitative Limit
- S

% Recovery outside of range due to dilution or matrix interference
- B

Analyte detected in the associated Method Blank
- E

Value above quantitation range
- J

Analyte detected below quantitation limits
- P

Sample pH Not In Range
- RL

Reporting Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2111A40

02-Dec-21

Client: EOG**Project:** Lehman Federal 11

Sample ID: mb-64100	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 64100	RunNo: 83079								
Prep Date: 11/22/2021	Analysis Date: 11/24/2021	SeqNo: 2951143 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.88		1.000		87.6	70	130			

Sample ID: lcs-64100	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 64100	RunNo: 83079								
Prep Date: 11/22/2021	Analysis Date: 11/24/2021	SeqNo: 2951149 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.025	1.000	0	87.6	80	120			
Toluene	0.89	0.050	1.000	0	88.9	80	120			
Ethylbenzene	0.92	0.050	1.000	0	92.0	80	120			
Xylenes, Total	2.7	0.10	3.000	0	90.9	80	120			
Surr: 4-Bromofluorobenzene	0.93		1.000		93.0	70	130			

Sample ID: mb-64092	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 64092	RunNo: 83080								
Prep Date: 11/22/2021	Analysis Date: 11/23/2021	SeqNo: 2951181 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		101	70	130			

Sample ID: LCS-64092	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 64092	RunNo: 83080								
Prep Date: 11/22/2021	Analysis Date: 11/23/2021	SeqNo: 2951182 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.025	1.000	0	88.2	80	120			
Toluene	0.89	0.050	1.000	0	88.6	80	120			
Ethylbenzene	0.89	0.050	1.000	0	88.8	80	120			
Xylenes, Total	2.7	0.10	3.000	0	89.4	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		103	70	130			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2111A40

02-Dec-21

Client: EOG**Project:** Lehman Federal 11

Sample ID: mb-64119	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 64119	RunNo: 83087								
Prep Date: 11/23/2021	Analysis Date: 11/24/2021	SeqNo: 2951626	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.90		1.000		89.5	70	130			

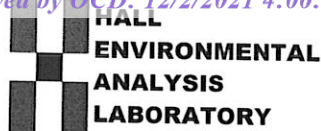
Sample ID: lcs-64119	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 64119	RunNo: 83087								
Prep Date: 11/23/2021	Analysis Date: 11/24/2021	SeqNo: 2951627	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.85	0.025	1.000	0	84.5	80	120			
Toluene	0.86	0.050	1.000	0	86.0	80	120			
Ethylbenzene	0.89	0.050	1.000	0	88.9	80	120			
Xylenes, Total	2.6	0.10	3.000	0	87.8	80	120			
Surr: 4-Bromofluorobenzene	0.93		1.000		93.2	70	130			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

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Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

Sample Log-In Check List

Client Name: EOG

Work Order Number: 2111A40

RcptNo: 1

Received By: Cheyenne Cason 11/18/2021 8:00:00 AM

Completed By: Cheyenne Cason 11/19/2021 1:33:36 PM

Reviewed By: *WGA 11/19/21**Chul**Chul*

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace $<1/4"$ for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:

(≤ 2 or >12 unless noted)

Adjusted? _____

Checked by: *TML 11/19/21*

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.8	Good	Not Present			
2	0.6	Good	Not Present			
3	1.3	Good	Not Present			

Chain-of-Custody Record				Turn-Around Time:		
Client: EOG-Artesia / Ranger Env.				<input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush		
Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210				Project Name: <u>LENNON FEEGOOD #11</u>		
Ranger: PO Box 201179, Austin TX 78720				Project #: 5375		
Phone #: 521-335-1785				Project Manager: W. Kierdorf		
email or Fax#: Will@RangerEnv.com						
QA/QC Package:				Sampler: <u>W. KIERDORF</u>		
<input checked="" type="checkbox"/> Standard <input type="checkbox"/> Level 4 (Full Validation)				On Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Accreditation: <input type="checkbox"/> Az Compliance <input checked="" type="checkbox"/> NELAC <input type="checkbox"/> Other				# of Coolers: <u>3</u>		
<input checked="" type="checkbox"/> EDD (Type) <u>Excel</u>				Cooler Temp (including CF): <u>See 1st page</u>		
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
11/17/21	1104	SOIL	TH-10/01	1 x 4oz JAR	ILC	2111A40
	1105		TH-10/21			013
	1110		TH-10/41			014
	1129		TH-11/01			015
	1133		TH-11/31			016
	1205		TH-11/61			017
	1147		TH-12/01			018
	1150		TH-12/21			019
	1152		TH-12/41			020
	1301		TH-13/01			021
	1307		TH-13/21			022
	1310		TH-13/41			023
						024
Relinquished by: _____				Received by: <u>Quinn</u>		Date: 11/18/21
Date: 11/18/21	Time: 1115			Via: _____		Time: 1115
Relinquished by: _____				Received by: _____		Date: 11/19/21
Date: 11/18/21	Time: 1900			Via: _____		Time: 0800

Turn-Around Time:		<input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush	
Project Name: <u>LEHMAN FERRIS #11</u>			
Project #: <u>5375</u>			
Project Manager: <u>W. Kierdorf</u>			
Sampler: <u>W. KIERDORF</u>			
On Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
# of Coolers: <u>3</u>			
Cooler Temp (including CF): <u>See 1st page</u>			
Container Type and #	Preservative Type	HEAL No.	
1 x 4oz Jar	ILC	Z111A40	
		013	
		014	
		015	
		016	
		017	
		018	
		019	
		020	
		021	
		022	
		023	
		024	
Received by: <u>Amir</u>		Via:	Date: <u>11/12/11</u> Time: <u>1115</u>
Received by:		Via:	Date: Time:



**HALL ENVIRONMENTAL
ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

[illegible][illegible]

if necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

[illegible]

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

ATTACHMENT 4 – HOWELL RANCH SEED MIXTURE

James H & Betty R Howell Revocable Trust Seed Mix

1lb per acre of Plains Bristlegrass

2lbs per acre of Green Sprangletop

3lbs per acre of Side Oats Gramma

2lbs per acre of Blue Gramma

Increase to 16lbs per acre if broadcast.

Add Reclamation Mix

40% Ryegrass (Annual)

10% Millet

7.5% Kleingrass

5.7% Sideoats

5% Green Sprangletop

7.5% Bristlegrass

10% Western Wheatgrass

10% Buffalograss

2.5% Blue Grama

PLANTING RATE 20 lbs. per acre

Updated 5/23/2021

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

Action 64834

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 64834
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Remediation Plan approved. Closure report due April 18, 2022.	1/18/2022