RANGER
ENVIRONMENTAL SERVICES, INC.

# SITE CHARACTERIZATION UPDATE AND PROPOSED REMEDIATION PLAN

**MOBIL CI FEDERAL BATTERY**
**UNIT J, SECTION 6, TOWNSHIP 19S, RANGE 25E**
**EDDY COUNTY, NEW MEXICO**
**32.68932, -104.52211**
**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**

**JULY 12, 2022**

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

**William Kierdorf, REM**
**Project Manager**

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## 1.0 SITE LOCATION AND BACKGROUND

The Mobil CI Federal Battery (Site) is an active oil and gas facility pad located on private land, approximately 12.8 miles southwest of Artesia, within Eddy County, New Mexico. The facility is situated in Unit J, Section 6, T19S-R25E at GPS coordinates 32.68932, -104.52211. The facility was historically operated by EOG Resources, Inc. (EOG). In November 2021, operations at the facility were transferred from EOG to Silverback Exploration II (Silverback).

On August 5, 2021, during a site visit, Howell Ranch Revocable Trust (Howell Ranch) representatives identified an area of concern located west and south of the on-site tank battery. The area of concern was noted to lack vegetation growth similar to that of the surrounding areas. EOG subsequently engaged Ranger Environmental Services, Inc. (Ranger) to assist in the assessment, remediation, and reclamation efforts at the Site.

On September 1, 2021, Ranger personnel conducted an initial assessment of the reported area. Based on the sample results of the initial assessment activities, the area was reported to the New Mexico Oil Conservation Division (NMOCD) on September 29, 2021 (NMOCD Incident #nAPP2127232527). Further assessment activities were conducted at the Site on December 6-7, 2021 and January 12, 2022 in order to complete the delineation of the site impacts.

The results of the site assessment activities were summarized in Ranger's March 18, 2022 "*Site Assessment/Characterization Report.*" In addition to summarizing the results of the site assessment activities, the report also provided site characterization details and proposed site characterization confirmation activities. As summarized in this report, due to the lack of recent (<25 years old) depth to groundwater data within a one-half mile radius of the Site, the depth-to-groundwater at the Site required confirmation via the installation of a soil boring/temporary monitor well. EOG installed the temporary monitor well in May 2022 to confirm the site-specific depth-to-groundwater information. In June 2022, additional vertical delineation assessment activities were also completed in order to assist in the preparation of the remediation plan for the Site.

This report has been prepared to update the site characterization details with the site-specific depth-to-groundwater information, provide an update regarding the results of the June 2022 assessment activities, and to present a proposed remediation plan to appropriately address the site impacts.

A copy of the previously submitted Form C-141 Release Notification and Assessment/Characterization sections of Form C-141 are attached. An updated Assessment/Characterization section, and the Remediation Plan section of Form C-141, are also

attached. A *Topographic Map* and *Area Map* noting the location of the subject Site and surrounding areas, as well as a *Site Map* illustrating the Site features and sampling locations, are provided in the Figures section.

## 2.0 SITE CHARACTERIZATION UPDATE

As detailed in the March 18, 2022 *Site Assessment/Characterization Report*, the subject area was lacking NMOCD-acceptable (<25 years old) depth-to-groundwater data for the area within a one-half mile radius of the Site. However, based on the data that was available from the U.S. Geological Survey (USGS) and the New Mexico Office of the State Engineer (NMOSE), it appeared that the depth-to-groundwater was most likely greater than 100 feet below ground surface (bgs). In order to obtain the NMOCD-required current depth-to-groundwater data for the area within a one-half mile radius of the subject site, a soil boring/temporary monitor well was installed in May 2022.

### *2.1 May 2022 – Depth-to-Groundwater Confirmation Activities*

In May 2022, representatives for GHD and HCI drilling installed and gauged the proposed soil boring/temporary monitor well in order to obtain the site-specific depth-to-groundwater information. The temporary monitor well was installed on May 6, 2022 at approximate GPS coordinates 32.691051 -104.516799, located within a half-mile radius of the Site. The soil boring was drilled to a depth of approximately 109 feet bgs utilizing air rotary drilling techniques and a two-inch diameter temporary monitor well was installed. The monitor well was allowed to equilibrate for five days and was then gauged with a Solinst water level meter on May 11, 2022. The temporary monitor well was found to be dry, thus confirming that the area depth-to-groundwater is greater than 100 feet bgs. Upon completion of the depth-to-groundwater investigation activities, the temporary monitor well was properly plugged and abandoned.

Based upon the GHD depth-to-groundwater investigation results and the reviewed NMOSE information, the depth-to-groundwater in the area of the Site is confirmed to be greater than 100 feet bgs.

Copies of the reviewed depth-to-groundwater information and soil boring log completed by GHD are attached.

### *2.2 Closure Criteria*

Based upon the previously supplied Site characterization details[1] and confirmation that the depth-to-groundwater in the area is greater than 100 feet bgs, the Site will be remediated to Table 1 19.15.29.12 NMAC (groundwater >100 feet) criteria. Additionally, the remediation activities will be completed to bring the surface to four-foot depth interval into compliance with the Restoration, Reclamation and Re-Vegetation criteria detailed in 19.15.29.13 NMAC. The proposed closure criteria are detailed below:

**PROPOSED CLOSURE CRITERIA**

| 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 >100') | 20,000 | 2,500 | 1,000 | 50 | 10 |
| 19.15.29.13 NMAC Restoration, Reclamation and Re-Vegetation (Soils 0'-4') | 600 | 100[2] | --- | 50[2] | 10[2] |

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

1. *Full site characterization details are included in the March 18, 2022 Ranger "Site Assessment/Characterization Report."*
2. *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.*

## 3.0 ADDITIONAL SITE ASSESSMENT

Based upon a review of the cumulative soil analytical data for the Site, it was determined that additional vertical assessment activities were needed to delineate the vertical extent of soil impacts to the Table 1 19.15.29.12 NMAC (groundwater >100 feet) criteria. Two of the September 2021 test excavation sample locations ("TH-1" and "TH-8") were noted to have Total Petroleum Hydrocarbon (TPH) GRO+DRO and GRO+DRO+MRO concentrations in exceedance of the applicable Table 1 criteria at their total depth. As such, additional vertical assessment activities were conducted at the Site on June 28, 2022.

A decision was also made based upon a review of the cumulative soil analytical data to conduct additional assessment to help determine whether remedial efforts might be required within the Mobil CI Tank battery footprint. An additional test excavation was therefore installed at the Site on June 28, 2022 immediately adjacent to the southern boundary of the Mobil CI Tank Battery secondary containment, just northeast of former test excavation "TH-18."

### *3.1 Additional Site Assessment – June 2022*

On June 28, 2022, Ranger personnel and representatives for EOG returned to the Site to conduct the additional site assessment activities. Test excavations "TH-1A" and "TH-8A" were completed in the immediate vicinity of the former "TH-1" and "TH-8" test excavation locations to complete the vertical delineation of the soil impacts at these locations. Test excavation "TH-18A" was completed immediately adjacent to the southern boundary of the Mobil CI Tank Battery secondary containment northeast of former test excavation "TH-18" to help determine if remedial efforts might be required within the Mobil CI Tank battery footprint.

During the test excavation installation process, Ranger personnel conducted field screening of test excavation soils using an organic vapor monitor (OVM) and a field chloride titration kit. Soil samples were subsequently collected from each test excavation location for laboratory analysis. A total of nine soil samples were collected for laboratory analysis during the June 28, 2022 site assessment activities.

Upon collection, the soil samples were submitted to Hall Environmental in Albuquerque, New Mexico for analysis of 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.

### *3.2 Sample Results*

The laboratory analytical results for the samples collected during the June 28, 2022 site assessment activities documented that the vertical extent of impacts at sample locations "TH-1A" and "TH-8A" have been successfully delineated. The field screening and analytical results from test excavation "TH-18A" indicate that the soil impacts likely extend into the footprint of the Mobil CI Tank Battery footprint.

A cumulative soil analytical table for the Site is attached, as well as a cumulative table summarizing the Site field screening results. A copy of the laboratory analytical report for the samples collected on June 28, 2022 is also attached.

## 4.0 PROPOSED REMEDIATION PLAN

### *4.1 Impacted Soil Removal*

To address the elevated soil concentrations at the Site, soil removal operations are proposed. The proposed excavation activities at the Site are based upon the cumulative Site soil analytical and field screening data. The proposed excavation will be completed to anticipated depths varying from one foot to an anticipated maximum of 12 feet bgs.

The removal of the impacted soils adjacent to the active tank battery will be conducted with caution so that the integrity of the tank battery secondary containment feature is not threatened or affected. Upon reaching the initial proposed excavation boundaries adjacent to the tank battery secondary containment feature, the excavation base and side walls will first be evaluated to determine if continued removal operations into the footprint of the tank battery area will be necessary.

The proposed excavation area will be irregularly shaped and is anticipated to have maximum dimensions of approximately 234 feet wide by 205 feet long. A *Proposed Excavation Area Map* is attached which illustrates the proposed excavation boundaries and depths. It is anticipated that approximately 3,600 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 Field Screening and Confirmation Sampling*

During the soil removal process, Ranger personnel will conduct field screening of the excavation floor and walls using both an OVM and field chloride titration kit. The field screening results will be utilized to guide the excavation process and qualitatively determine when the excavation has been completed to the appropriate Table 1 Criteria. When the field screening results indicate that the excavation has been completed to appropriate boundaries, confirmation soil samples for laboratory analysis will be collected to confirm attainment of the appropriate Table 1 Criteria.

Discrete grab soil samples are proposed to assess the excavation base areas that are completed to depths of four feet or greater. The proposed grab samples will be collected from various locations within the excavation floor. In the areas anticipated to be excavated to depths of 10'-12' bgs, individual grab soil samples are also proposed to be collected from the excavation side walls in each cardinal direction. A *Proposed Confirmation Sample Location Map* is attached which illustrates the approximate locations of the proposed grab soil samples.

To confirm the cleanup of the remainder of the proposed excavation area, excavation base and sidewall samples will be collected 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 samples will be collected from various locations and depths along the excavation base and 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 placed into laboratory-supplied containers and will then be immediately placed into a sample shuttle containing ice. The samples will be transported to an approved laboratory for analysis TPH using EPA Method 8015; BTEX using EPA Method 8021; and, total chloride using EPA Method 300. The samples will be collected and managed using standard QA/QC and chain-of-custody procedures.

### *4.3 Elevated Soil Concentrations Contingency Plan*

In the event that the initial cleanup confirmation soil sample results indicate that soil chemical of concern (COC) concentrations remain in exceedance of the applicable Table 1 Criteria, additional soil removal and cleanup confirmation soil sampling activities will be conducted. Upon completion of any additional soil removal operations, additional cleanup confirmation soil samples will be collected to confirm the area has attained the appropriate Table 1 Criteria. The sample collection and analytical methodologies will be the same as described in Section 4.2.

In the event that elevated soil concentrations are discovered to remain in the excavation areas adjoining the Mobil CI Tank Battery, one of two methods will be utilized to address the need for further cleanup. If the soil COC concentrations are only minimally in exceedance of the proposed site closure criteria, then additional over-excavation (and cleanup confirmation sampling) activities will be conducted if it is determined that this can be safely accomplished. In the event that extensive excavation into the tank battery footprint area appears to be necessary, then coordination with the current operator, Silverback, will be necessary. In this event, a detailed update will be supplied to the NMOCD documenting the observed conditions, communications between EOG and Silverback, proposed remedial strategy, and project timeline adjustment estimates.

### *4.4 Excavation Backfill and Re-Vegetation*

Upon attainment of the proposed closure criteria, the excavated areas will be backfilled to grade with clean fill material of similar type to that which was removed. The surface of the excavated lease access road will be completed with caliche pad material. The areas will subsequently be 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. Since the proposed remediation area will cross the active lease access road, coordination with the current operator (Silverback) will be required so as to not limit or hinder their site operations. Dependent on this coordination and other unforeseen factors, it is anticipated that the proposed soil removal operations and cleanup confirmation soil sampling activities can be completed within 120 days of initiation.

In the event that remedial efforts are required in the footprint of the Mobil CI Tank Battery, communication and coordination with Silverback will also be necessary that could affect the project schedule. In this event, a detailed update will be supplied to the NMOCD documenting the observed conditions, communications between EOG and Silverback, proposed remedial strategy, and project timeline adjustment estimates.

## 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 | nAPP2127232527 |
| 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)* nAPP2127232527 |
| Contact mailing address 104 S. 4th Street, Artesia, NM 88210 | |

## Location of Release Source

Latitude 32.68932 Longitude -104.52211
*(NAD 83 in decimal degrees to 5 decimal places)*

| | |
|---|---|
| Site Name Mobil CI Federal Battery | Site Type Battery |
| Date Release Discovered 09/23/2021 | API# *(if applicable)* |

| Unit Letter | Section | Township | Range | County |
|---|---|---|---|---|
| J | 6 | 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)

| | | |
|---|---|---|
| ☐ Crude Oil | Volume Released (bbls) | Volume Recovered (bbls) |
| ☑ Produced Water | Volume Released (bbls) Unknown | Volume Recovered (bbls) 0 |
| | Is the concentration of dissolved chloride in the produced water >10,000 mg/l? | ☑ Yes ☐ No |
| ☐ Condensate | Volume Released (bbls) | Volume Recovered (bbls) |
| ☐ Natural Gas | Volume Released (Mcf) | Volume Recovered (Mcf) |
| ☐ Other (describe) | Volume/Weight Released (provide units) | Volume/Weight Recovered (provide units) |

Cause of Release: Historical impacts reported by surface owner. The environmental consultant contracted to investigate the area determined 9/23/21 based on the impacted area footprint that the release more than likely breached the reportable volume threshold.

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State of New Mexico
Oil Conservation Division

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| | |
|---|---|
| Was this a major release as defined by 19.15.29.7(A) NMAC?<br><br>☐ Yes ☑ 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*

☑ The source of the release has been stopped.
☑ The impacted area has been secured to protect human health and the environment.
☑ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☑ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not 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: Chase Settle
Title: Rep Safety & Environmental Sr
Signature: Chase Settle
Date: 9/29/2021
email: Chase_Settle@eogresources.com
Telephone: 575-748-1471

**OCD Only**

Received by: Ramona Marcus
Date: 10/01/2021

State of New Mexico
Oil Conservation Division

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

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

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

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

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

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State of New Mexico
Oil Conservation Division

| | |
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| Incident ID | |
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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: _____

State of New Mexico
Oil Conservation Division

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|---|---|
| Incident ID | |
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# Remediation Plan

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

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

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

☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.

☐ Extents of contamination must be fully delineated.

☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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 | |
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| 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

| Operator: | OGRID: |
|---|---|
| EOG RESOURCES INC<br>P.O. Box 2267<br>Midland, TX 79702 | 7377 |
| | Action Number:<br>52814 |
| | Action Type:<br>[C-141] Release Corrective Action (C-141) |

**CONDITIONS**

| Created By | Condition | Condition Date |
|---|---|---|
| rmarcus | None | 10/1/2021 |

State of New Mexico
Oil Conservation Division

| | |
|---|---|
| Incident ID | nAPP2127232527 |
| 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? ***The depth to groundwater still has to be confirmed via the installation of a temporary monitoring well. This plan has been submitted based upon the assumption that the depth to groundwater is greater than 100'. EOG will be proceeding with the installation of the temporary monitor well in order to confirm the site-specific depth to groundwater.*** | >100' (ft bgs) |
| Did this release impact groundwater or surface water? | ☐ Yes ☒ No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | ☐ Yes ☒ No |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)? | ☐ Yes ☒ No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? | ☐ Yes ☒ No |
| Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes? | ☐ Yes ☒ No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | ☐ Yes ☒ No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? | ☐ Yes ☒ No |
| Are the lateral extents of the release within 300 feet of a wetland? | ☐ Yes ☒ No |
| Are the lateral extents of the release overlying a subsurface mine? | ☐ Yes ☒ No |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | ☐ Yes ☒ No |
| Are the lateral extents of the release within a 100-year floodplain? | ☐ Yes ☒ No |
| Did the release impact areas **not** on an exploration, development, production, or storage site? | ☒ Yes ☐ No |

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

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

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

***This data will be garnered through the installation of a temporary monitoring well at the subject site.**

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

| | |
|---|---|
| Incident ID | nAPP2127232527 |
| District RP | |
| Facility ID | |
| Application ID | |

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.

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: 03/18/2022

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

**OCD Only**

Received by: Jennifer Nobui Date: 03/31/2022

State of New Mexico
Oil Conservation Division

| | |
|---|---|
| Incident ID | nAPP2127232527 |
| 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? ***The depth to groundwater has been confirmed via the installation of a temporary monitoring well.*** | >100' (ft bgs) |
| Did this release impact groundwater or surface water? | |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | ☐ Yes ☒ No |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)? | ☐ Yes ☒ No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? | ☐ Yes ☒ No |
| Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes? | ☐ Yes ☒ No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | ☐ Yes ☒ No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? | ☐ Yes ☒ No |
| Are the lateral extents of the release within 300 feet of a wetland? | ☐ Yes ☒ No |
| Are the lateral extents of the release overlying a subsurface mine? | ☐ Yes ☒ No |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | ☐ Yes ☒ No |
| Are the lateral extents of the release within a 100-year floodplain? | ☐ Yes ☒ No |
| Did the release impact areas **not** on an exploration, development, production, or storage site? | ☐ Yes ☒ No |
| | ☒ Yes ☐ No |

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

| | |
|---|---|
| Incident ID | nAPP2127232527 |
| District RP | |
| Facility ID | |
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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.

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: 07/13/2022

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

**OCD Only**

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

| | |
|---|---|
| Incident ID | nAPP2127232527 |
| 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: 07/13/2022

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

**OCD Only**

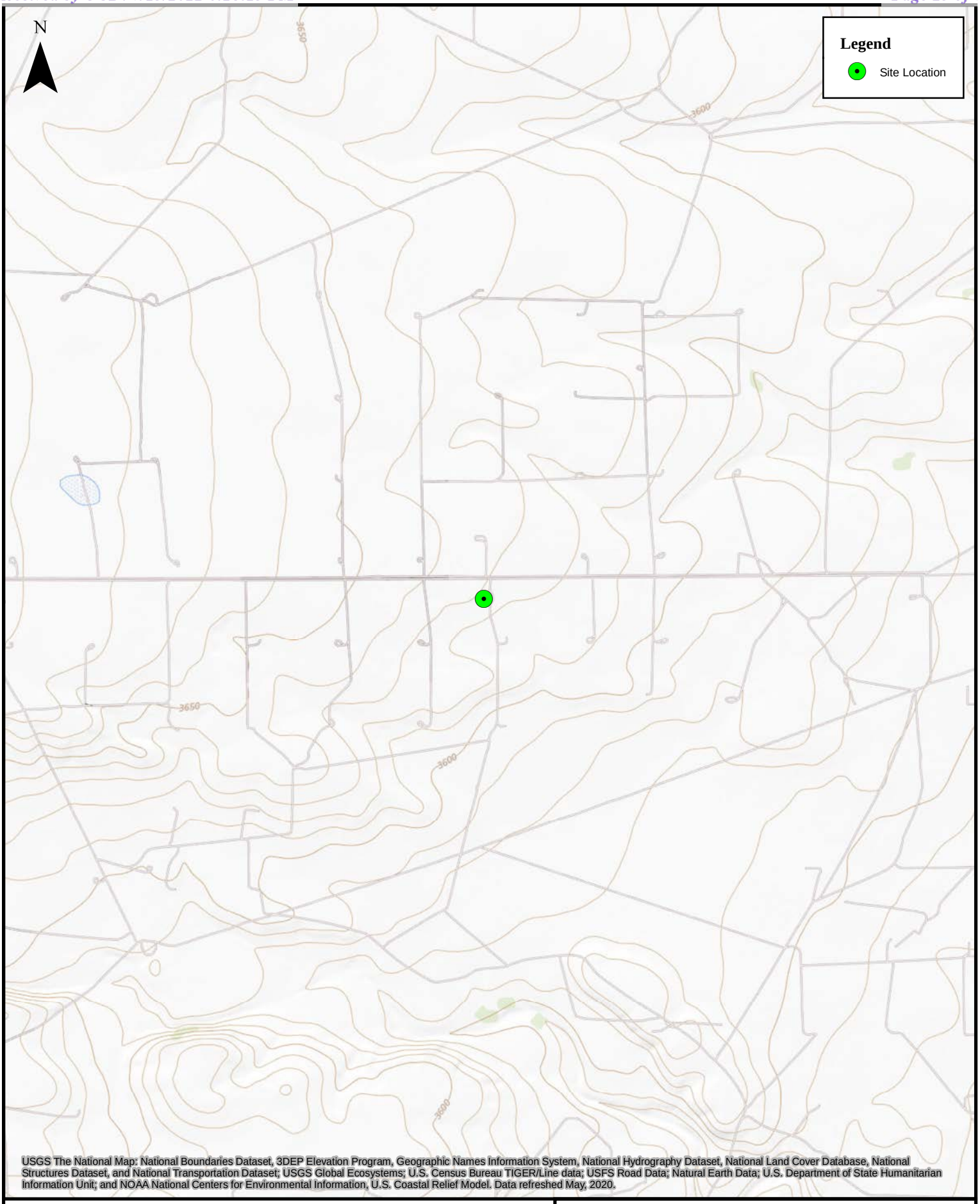
Received by: _____ Date: _____

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

Signature: Jennifer Nobui Date: 07/19/2022

# FIGURES

Topographic Map
Area Map
DTGW Information Location Map
Assessment Sample Location Map
Proposed Excavation Area Map
Proposed Confirmation Sample Location Map



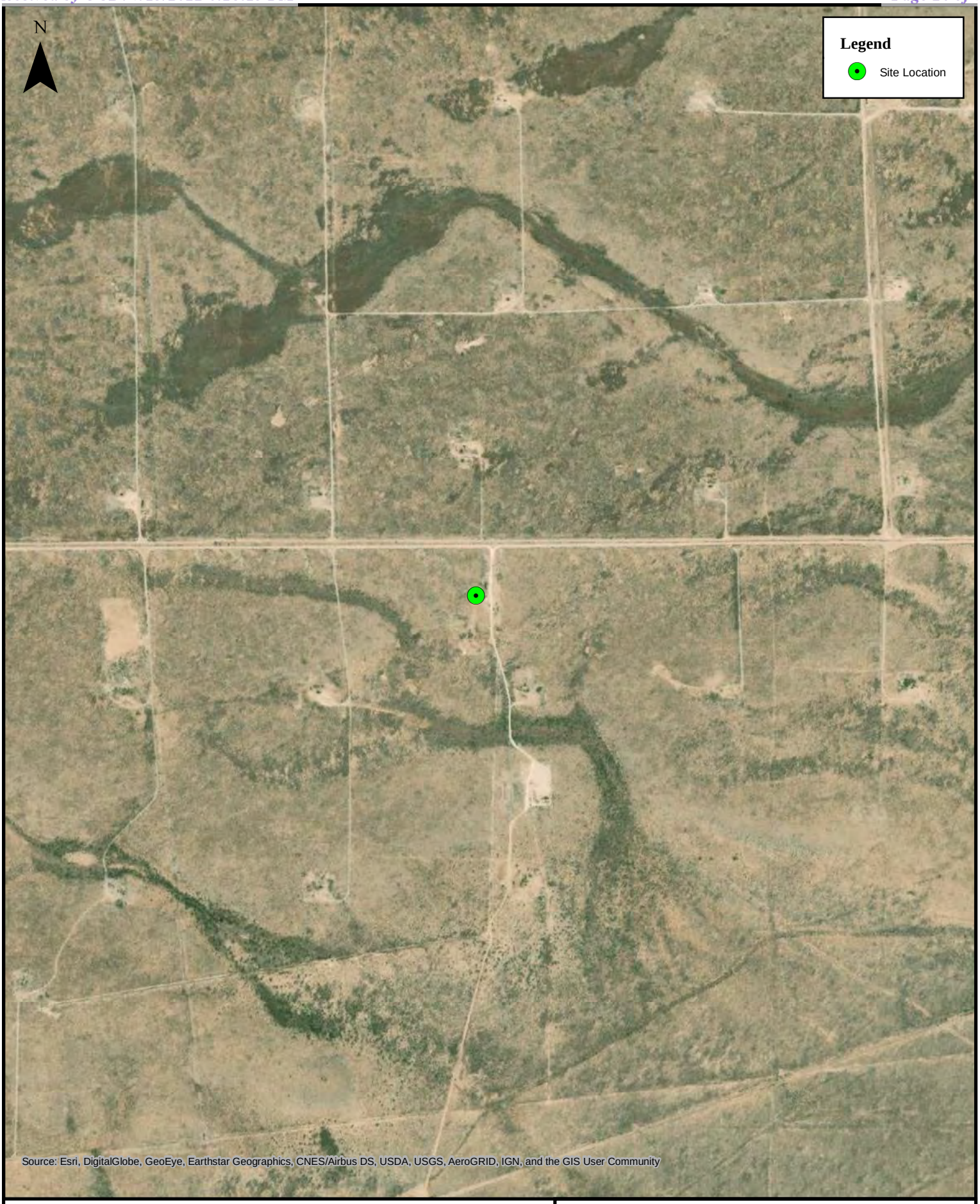

USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS Road Data; Natural Earth Data; U.S. Department of State Humanitarian Information Unit; and NOAA National Centers for Environmental Information, U.S. Coastal Relief Model. Data refreshed May, 2020.

RANGER ENVIRONMENTAL SERVICES, INC.

0 600 1,200 2,400 3,600 4,800 Feet

1:24,000

**Topographic Map**
Mobil CI Battery
EOG Resources, Inc.

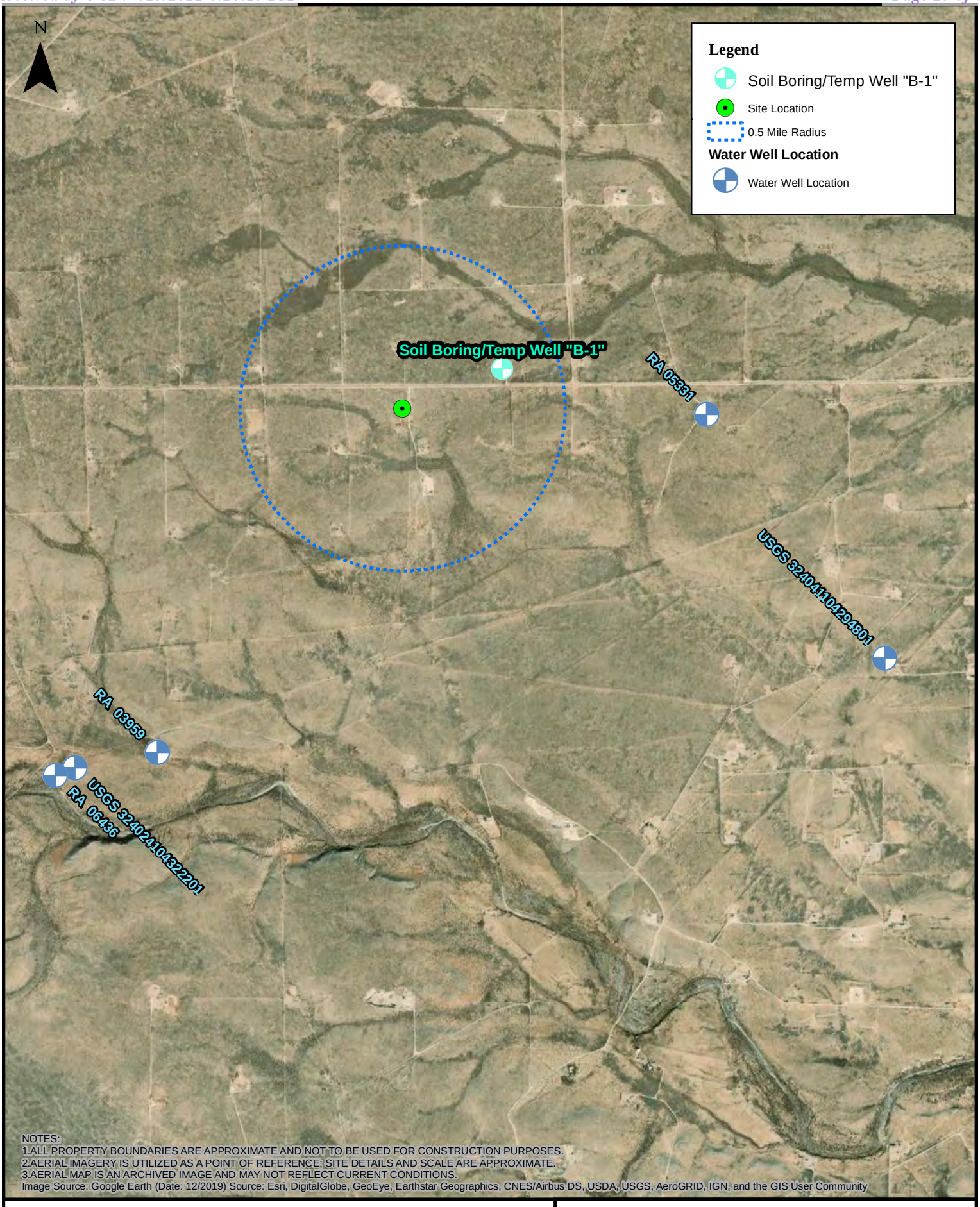



RANGER ENVIRONMENTAL SERVICES, INC.

0 250 500 1,000 1,500 2,000 Feet

1:10,000

**Area Map**
Mobil CI Battery
EOG Resources, Inc.




NOTES:
1.ALL PROPERTY BOUNDARIES ARE APPROXIMATE AND NOT TO BE USED FOR CONSTRUCTION PURPOSES.
2.AERIAL IMAGERY IS UTILIZED AS A POINT OF REFERENCE; SITE DETAILS AND SCALE ARE APPROXIMATE.
3.AERIAL MAP IS AN ARCHIVED IMAGE AND MAY NOT REFLECT CURRENT CONDITIONS.
Image Source: Google Earth (Date: 12/2019) Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

RANGER ENVIRONMENTAL SERVICES, INC.

0 600 1,200 2,400 3,600 4,800 Feet

1:24,000

**DTGW Information Location Map**
Mobil CI Battery
EOG Resources, Inc.

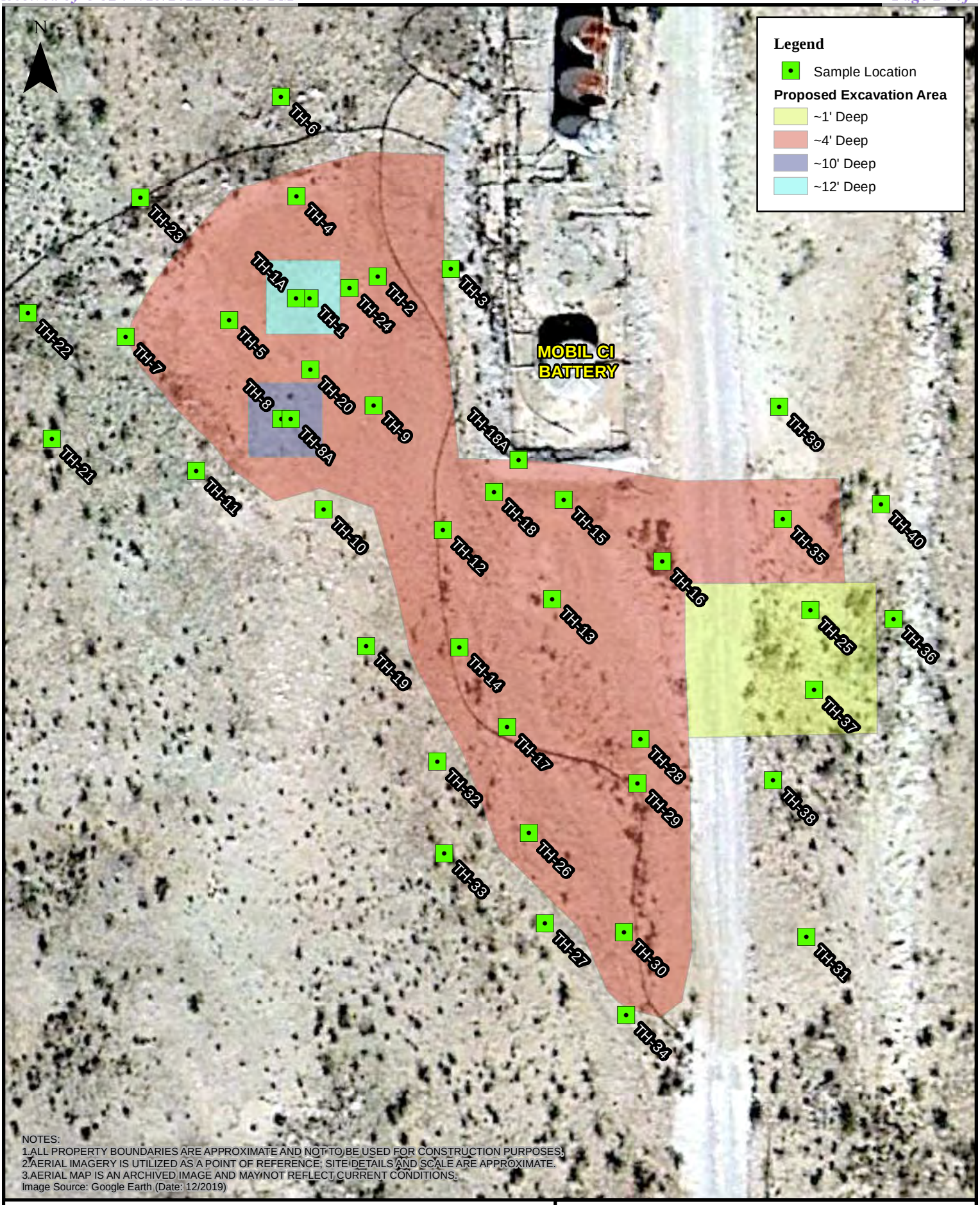

NOTES:
1.ALL PROPERTY BOUNDARIES ARE APPROXIMATE AND NOT TO BE USED FOR CONSTRUCTION PURPOSES.
2.AERIAL IMAGERY IS UTILIZED AS A POINT OF REFERENCE; SITE DETAILS AND SCALE ARE APPROXIMATE.
3.AERIAL MAP IS AN ARCHIVED IMAGE AND MAY NOT REFLECT CURRENT CONDITIONS.
Image Source: Google Earth (Date: 12/2019)

RANGER ENVIRONMENTAL SERVICES, INC.

0 10 20 40 60 80 Feet

1:400

**Site Assessment Sample Location Map**
Mobil CI Battery
EOG Resources, Inc.



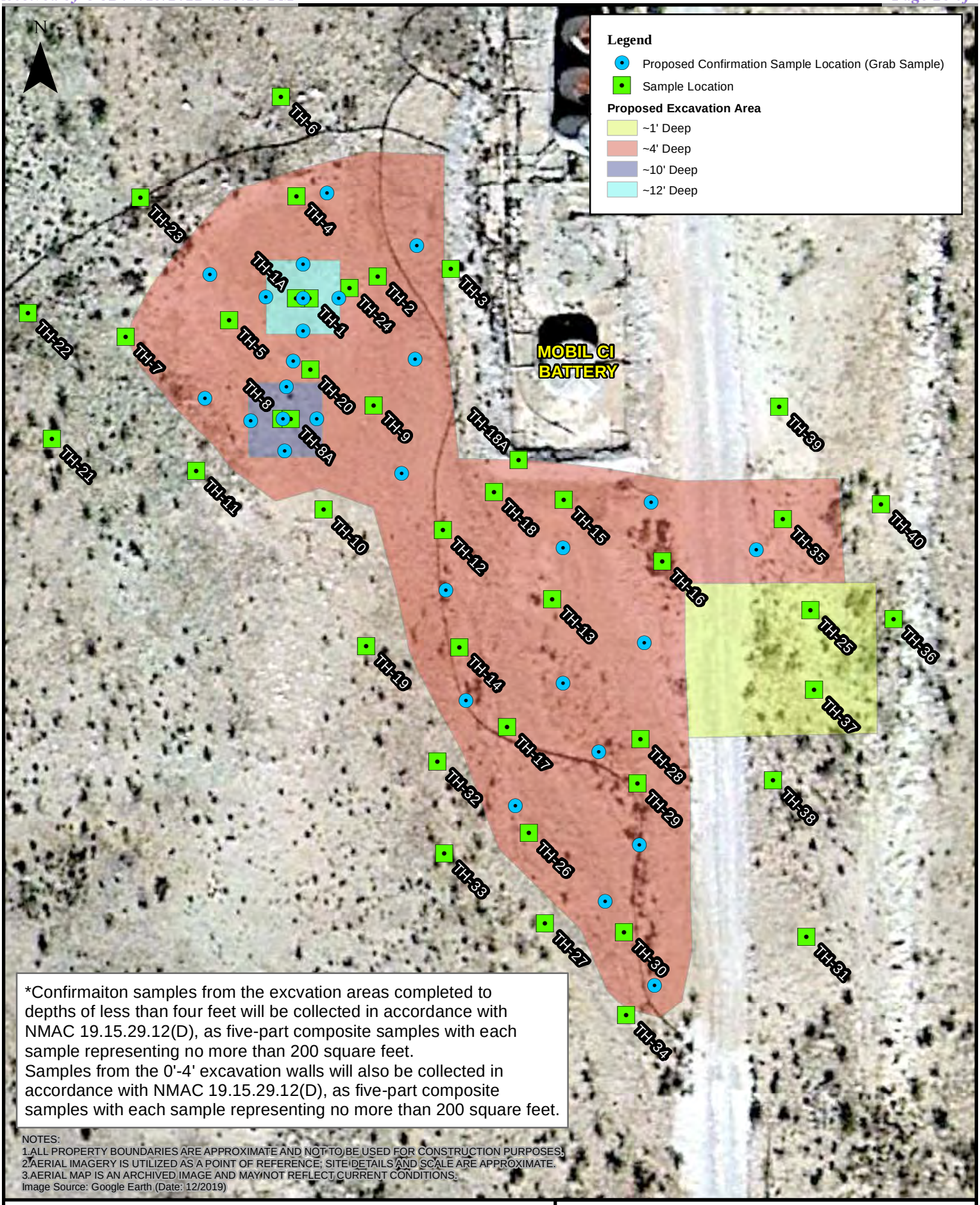

NOTES:
1.ALL PROPERTY BOUNDARIES ARE APPROXIMATE AND NOT TO BE USED FOR CONSTRUCTION PURPOSES.
2.AERIAL IMAGERY IS UTILIZED AS A POINT OF REFERENCE; SITE DETAILS AND SCALE ARE APPROXIMATE.
3.AERIAL MAP IS AN ARCHIVED IMAGE AND MAY NOT REFLECT CURRENT CONDITIONS.
Image Source: Google Earth (Date: 12/2019)

RANGER ENVIRONMENTAL SERVICES, INC.

0 10 20 40 60 80 Feet

1:400

**Proposed Excavation Area Map**
Mobil CI Battery
EOG Resources, Inc.




*Confirmaiton samples from the excvation areas completed to depths of less than four feet will be collected in accordance with NMAC 19.15.29.12(D), as five-part composite samples with each sample representing no more than 200 square feet.
Samples from the 0'-4' excavation walls will also be collected in accordance with NMAC 19.15.29.12(D), as five-part composite samples with each sample representing no more than 200 square feet.

NOTES:
1.ALL PROPERTY BOUNDARIES ARE APPROXIMATE AND NOT TO BE USED FOR CONSTRUCTION PURPOSES.
2.AERIAL IMAGERY IS UTILIZED AS A POINT OF REFERENCE; SITE DETAILS AND SCALE ARE APPROXIMATE.
3.AERIAL MAP IS AN ARCHIVED IMAGE AND MAY NOT REFLECT CURRENT CONDITIONS.
Image Source: Google Earth (Date: 12/2019)

RANGER ENVIRONMENTAL SERVICES, INC.

0 10 20 40 60 80 Feet

1:400

**Proposed Confirmation Sample Location Map**
Mobil CI Battery
EOG Resources, Inc.

# TABLES

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

Field Screening Summary Table

**SOIL BTEX (EPA 8021), TPH (SW 8015) & CHLORIDE (EPA 300) ANALYTICAL DATA**
**EOG RESOURCES, INC.**
**MOBIL CI BATTERY**

**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 Asessment (09/01/2021)*** | | | | | | | | | | | | | |
| TH-1/Surface | 9/1/2021 | 0' | <0.024 | <0.049 | <0.049 | <0.097 | <0.10 | <4.9 | <10 | <50 | <10 | <50 | **1,400** |
| TH-1/10' | 9/1/2021 | 10' | <0.12 | <0.25 | <0.25 | <0.49 | <0.49 | <25 | 6,500 | 8,300 | **6,500** | **14,800** | 4,100 |
| TH-1/14' | 9/1/2021 | 14' | <0.12 | <0.25 | <0.25 | <0.49 | <0.49 | 49 | 4,000 | 3,500 | **4,000** | **7,500** | 2,800 |
| | | | | | | | | | | | | | |
| TH-2/1' | 9/1/2021 | 1' | <0.025 | <0.049 | <0.049 | <0.099 | <0.10 | <4.9 | 520 | 2,700 | 520 | **3,220** | **1,100** |
| TH-2/5' | 9/1/2021 | 5' | <0.024 | <0.047 | <0.047 | <0.095 | <0.09 | <4.7 | <8.9 | <45 | <8.9 | <45 | 1,600 |
| TH-2/10' | 9/1/2021 | 10' | <0.023 | <0.047 | <0.047 | <0.094 | <0.09 | <4.7 | <9.8 | <49 | <9.8 | <49 | 1,500 |
| | | | | | | | | | | | | | |
| TH-3/Surface | 9/1/2021 | 0' | <0.024 | <0.048 | <0.048 | <0.097 | <0.10 | <4.8 | <8.4 | <42 | <8.4 | <42 | <59 |
| TH-3/4' | 9/1/2021 | 4' | <0.024 | <0.048 | <0.048 | <0.097 | <0.10 | <4.8 | <9.6 | <48 | <9.6 | <48 | 220 |
| | | | | | | | | | | | | | |
| TH-4/Suface | 9/1/2021 | 0' | <0.12 | <0.23 | <0.23 | <0.46 | <0.46 | <23 | 210 | 980 | 210 | **1,190** | **10,000** |
| TH-4/2' | 9/1/2021 | 2' | <0.024 | <0.048 | <0.048 | <0.095 | <0.10 | <4.8 | <8.6 | <43 | <8.6 | <43 | **630** |
| TH-4/5' | 9/1/2021 | 5' | <0.025 | <0.050 | <0.050 | <0.099 | <0.10 | <5.0 | <10 | <50 | <10 | <50 | 1,800 |
| | | | | | | | | | | | | | |
| TH-5/2' | 9/1/2021 | 2' | <0.025 | <0.050 | <0.050 | <0.10 | <0.10 | <5.0 | <9.1 | <45 | <9.1 | <45 | **1,000** |
| TH-5/5' | 9/1/2021 | 5' | <0.024 | <0.047 | <0.047 | <0.095 | <0.09 | <4.7 | <9.4 | <47 | <9.4 | <47 | 1,200 |
| TH-5/10' | 9/1/2021 | 10' | <0.025 | <0.050 | <0.050 | <0.10 | <0.10 | <5.0 | <8.9 | <45 | <8.9 | <45 | 3,400 |
| | | | | | | | | | | | | | |
| TH-6/Surface | 9/1/2021 | 0' | <0.12 | <0.24 | <0.24 | <0.48 | <0.48 | <24 | <9.4 | <47 | <24 | <47 | <60 |
| TH-6/4' | 9/1/2021 | 4' | <0.024 | <0.048 | <0.048 | <0.097 | <0.10 | <4.8 | <10 | <50 | <10 | <50 | 290 |
| | | | | | | | | | | | | | |
| TH-7/Surface | 9/1/2021 | 0' | <0.12 | <0.23 | <0.23 | <0.47 | <0.47 | <23 | <10 | <52 | <23 | <52 | <59 |
| TH-7/5' | 9/1/2021 | 5' | <0.025 | <0.049 | <0.049 | <0.098 | <0.10 | <4.9 | <9.7 | <48 | <9.7 | <48 | 1,300 |
| | | | | | | | | | | | | | |
| TH-8/2' | 9/1/2021 | 2' | <0.12 | <0.25 | <0.25 | <0.49 | <0.49 | <25 | 2,800 | 2,200 | **2,800** | **5,000** | **660** |
| TH-8/5' | 9/1/2021 | 5' | <0.025 | <0.050 | <0.050 | <0.10 | <0.10 | 9.1 | 19,000 | 20,000 | **19,000** | **39,000** | 1,700 |
| TH-8/10' | 9/1/2021 | 10' | <0.023 | <0.047 | <0.047 | <0.093 | <0.09 | <4.7 | 2,200 | 5,800 | **2,200** | **8,000** | 800 |
| | | | | | | | | | | | | | |
| TH-9/Surface | 9/1/2021 | 0' | <0.023 | <0.046 | <0.046 | <0.093 | <0.09 | <4.6 | <9.8 | <49 | <9.8 | <49 | **1,000** |
| TH-9/5' | 9/1/2021 | 5' | <0.023 | <0.046 | <0.046 | <0.093 | <0.09 | <4.6 | <10 | <50 | <10 | <50 | 410 |
| TH-9/14' | 9/1/2021 | 14' | <0.024 | <0.048 | <0.048 | <0.097 | <0.10 | <4.8 | 22 | 140 | 22 | 162 | 77 |
| | | | | | | | | | | | | | |
| TH-10/Surface | 9/1/2021 | 0' | <0.023 | <0.047 | <0.047 | <0.093 | <0.09 | <4.7 | <9.9 | <49 | <9.9 | <49 | <60 |
| TH-10/5' | 9/1/2021 | 5' | <0.023 | <0.047 | <0.047 | <0.094 | <0.09 | <4.7 | <9.8 | <49 | <9.8 | <49 | 300 |
| | | | | | | | | | | | | | |
| TH-11/Surface | 9/1/2021 | 0' | <0.12 | <0.24 | <0.24 | <0.48 | <0.48 | <24 | <9.8 | <49 | <24 | <49 | <59 |
| TH-11/5' | 9/1/2021 | 5' | <0.025 | <0.049 | <0.049 | <0.098 | <0.10 | <4.9 | <10 | <50 | <10 | <50 | 370 |
| | | | | | | | | | | | | | |
| TH-12/Suface | 9/1/2021 | Suface | <0.12 | <0.25 | <0.25 | <0.50 | <0.50 | <25 | <9.8 | <49 | <25 | <49 | **1,400** |
| TH-12/5' | 9/1/2021 | 5' | <0.023 | <0.046 | <0.046 | <0.092 | <0.09 | <4.6 | <10 | <50 | <10 | <50 | 2,000 |
| TH-12/10' | 9/1/2021 | 10' | <0.12 | <0.24 | <0.24 | <0.48 | <0.48 | <24 | <9.8 | <49 | <24 | <49 | 340 |

**SOIL BTEX (EPA 8021), TPH (SW 8015) & CHLORIDE (EPA 300) ANALYTICAL DATA**
**EOG RESOURCES, INC.**
**MOBIL CI BATTERY**

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TH-13/Surface | 9/1/2021 | Surface | <0.023 | <0.046 | <0.046 | <0.092 | <0.09 | <4.6 | <9.6 | <48 | <9.6 | <48 | <60 |
| TH-13/5' | 9/1/2021 | 5' | <0.023 | <0.047 | <0.047 | <0.094 | <0.09 | <4.7 | <9.9 | <50 | <9.9 | <50 | 2,900 |
| TH-14/Surface | 9/1/2021 | Surface | <0.023 | <0.046 | <0.046 | <0.092 | <0.09 | <4.6 | 15 | 63 | 15 | 78 | 1,700 |
| TH-14/5' | 9/1/2021 | 5' | <0.024 | <0.047 | <0.047 | <0.095 | <0.09 | <4.7 | <9.9 | <49 | <9.9 | <49 | 1,300 |
| TH-15/Surface | 9/1/2021 | Surface | <0.024 | <0.048 | <0.048 | <0.097 | <0.10 | <4.8 | <9.8 | <49 | <9.8 | <49 | 16,000 |
| TH-15/4' | 9/1/2021 | 4' | <0.025 | <0.050 | <0.050 | <0.10 | <0.10 | <5.0 | <9.9 | <49 | <9.9 | <49 | 2,900 |
| TH-15/14' | 9/1/2021 | 14' | <0.023 | <0.046 | <0.046 | <0.091 | <0.09 | <4.6 | <9.4 | <47 | <9.4 | <47 | 860 |
| ***Additonal Site Asessment (12/6-7/2021)*** | | | | | | | | | | | | | |
| TH-16/0 | 12/6/2021 | 0' | <0.023 | <0.046 | <0.046 | <0.092 | <0.09 | <4.6 | 12 | <50 | 12 | 12 | 210 |
| TH-16/7 | 12/6/2021 | 7' | <0.024 | <0.048 | <0.048 | <0.096 | <0.10 | <4.8 | <9.3 | <47 | <9.3 | <47 | 1,900 |
| TH-16/14 | 12/6/2021 | 14' | <0.025 | <0.050 | <0.050 | <0.099 | <0.10 | <5.0 | <9.6 | <48 | <9.6 | <48 | 470 |
| TH-17/0 | 12/6/2021 | 0' | <0.025 | <0.049 | <0.049 | <0.098 | <0.10 | <4.9 | <9.3 | <47 | <9.3 | <47 | <60 |
| TH-17/6' | 12/6/2021 | 6' | <0.024 | <0.048 | <0.048 | <0.097 | <0.10 | <4.8 | <9.7 | <49 | <9.7 | <49 | 1,400 |
| TH-18/1' | 12/6/2021 | 1' | <0.024 | <0.048 | <0.048 | <0.097 | <0.10 | <4.8 | <9.4 | <47 | <9.4 | <47 | 1,800 |
| TH-18/8' | 12/6/2021 | 8' | <0.024 | <0.048 | <0.048 | <0.096 | <0.10 | <4.8 | <9.8 | <49 | <9.8 | <49 | 1,700 |
| TH-19/1' | 12/6/2021 | 1' | <0.023 | <0.047 | <0.047 | <0.094 | <0.09 | <4.7 | <9.9 | <49 | <9.9 | <49 | <59 |
| TH-19/4' | 12/6/2021 | 4' | <0.023 | <0.047 | <0.047 | <0.093 | <0.09 | <4.7 | <9.6 | <48 | <9.6 | <48 | 170 |
| TH-20/0 | 12/6/2021 | 0' | <0.025 | <0.050 | <0.050 | <0.10 | <0.10 | <5.0 | <9.4 | <47 | <9.4 | <47 | 3,800 |
| TH-20/6' | 12/6/2021 | 6' | <0.024 | <0.048 | <0.048 | <0.095 | <0.10 | <4.8 | 21 | <47 | 21 | 21 | 760 |
| TH-21/0 | 12/6/2021 | 0' | <0.024 | <0.047 | <0.047 | <0.094 | <0.09 | <4.7 | <9.9 | <50 | <9.9 | <50 | <60 |
| TH-21/4' | 12/6/2021 | 4' | <0.024 | <0.048 | <0.048 | <0.096 | <0.10 | <4.8 | <9.5 | <48 | <9.5 | <48 | <60 |
| TH-22/1' | 12/6/2021 | 1' | <0.024 | <0.048 | <0.048 | <0.096 | <0.10 | <4.8 | <9.4 | <47 | <9.4 | <47 | <60 |
| TH-22/4' | 12/6/2021 | 4' | <0.023 | <0.047 | <0.047 | <0.094 | <0.09 | <4.7 | <9.5 | <47 | <9.5 | <47 | <60 |
| TH-23/1' | 12/6/2021 | 1' | <0.024 | <0.047 | <0.047 | <0.094 | <0.09 | <4.7 | <9.5 | <47 | <9.5 | <47 | <59 |
| TH-23/4' | 12/6/2021 | 4' | <0.024 | <0.048 | <0.048 | <0.095 | <0.10 | <4.8 | <9.4 | <47 | <9.4 | <47 | 130 |
| TH-24/0 | 12/6/2021 | 0' | <0.12 | <0.23 | <0.23 | <0.47 | <0.47 | <23 | 440 | 1,500 | 440 | 1,940 | 2,100 |
| TH-24/14' | 12/6/2021 | 14' | <0.025 | <0.049 | <0.049 | <0.098 | <0.10 | <4.9 | <9.6 | <48 | <9.6 | <48 | 4,300 |
| TH-24/20' | 12/6/2021 | 20' | <0.023 | <0.047 | <0.047 | <0.093 | <0.09 | <4.7 | <9.7 | <48 | <9.7 | <48 | 2,600 |
| TH-25/0 | 12/7/2021 | 0' | <0.12 | <0.24 | <0.24 | <0.47 | <0.47 | <24 | 510 | 1600 | 510 | 2,110 | <59 |
| TH-25/4' | 12/7/2021 | 4' | <0.023 | <0.046 | <0.046 | <0.092 | <0.09 | <4.6 | <9.9 | <50 | <9.9 | <50 | 220 |

**SOIL BTEX (EPA 8021), TPH (SW 8015) & CHLORIDE (EPA 300) ANALYTICAL DATA**
**EOG RESOURCES, INC.**
**MOBIL CI BATTERY**

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TH-26/0 | 12/7/2021 | 0' | <0.024 | <0.047 | <0.047 | <0.094 | <0.09 | <4.7 | <9.7 | <48 | <9.7 | <48 | <60 |
| TH-26/4' | 12/7/2021 | 4' | <0.024 | <0.047 | <0.047 | <0.094 | <0.09 | <4.7 | <9.7 | <49 | <9.7 | <49 | 970 |
| TH-26/8' | 12/7/2021 | 8' | <0.023 | <0.046 | <0.046 | <0.092 | <0.09 | <4.6 | <9.7 | <49 | <9.7 | <49 | 620 |
| TH-27/0 | 12/7/2021 | 0' | <0.023 | <0.047 | <0.047 | <0.093 | <0.09 | <4.7 | <9.8 | <49 | <9.8 | <49 | <60 |
| TH-27/4' | 12/7/2021 | 4' | <0.024 | <0.047 | <0.047 | <0.094 | <0.09 | <4.7 | <9.9 | <50 | <9.9 | <50 | <60 |
| TH-28/3' | 12/7/2021 | 3' | <0.023 | <0.046 | <0.046 | <0.093 | <0.09 | <4.6 | <9.4 | <47 | <9.4 | <47 | 1,400 |
| TH-28/8' | 12/7/2021 | 8' | <0.023 | <0.047 | <0.047 | <0.093 | <0.09 | <4.7 | <9.5 | <47 | <9.5 | <47 | 240 |
| TH-29/6' | 12/7/2021 | 6' | <0.025 | <0.050 | <0.050 | <0.099 | <0.10 | <5.0 | <10 | <50 | <10 | <50 | 2,600 |
| TH-29/10' | 12/7/2021 | 10' | <0.025 | <0.049 | <0.049 | <0.098 | <0.10 | <4.9 | <9.3 | <47 | <9.3 | <47 | 760 |
| TH-30/0 | 12/7/2021 | 0' | <0.024 | <0.047 | <0.047 | <0.095 | <0.09 | <4.7 | <9.5 | <48 | <9.5 | <48 | <60 |
| TH-30/4' | 12/7/2021 | 4' | <0.024 | <0.048 | <0.048 | <0.095 | <0.10 | <4.8 | <9.7 | <48 | <9.7 | <48 | 1,100 |
| TH-31/0 | 12/7/2021 | 0' | <0.025 | <0.049 | <0.049 | <0.099 | <0.10 | <4.9 | <9.9 | <50 | <9.9 | <50 | <60 |
| TH-31/4' | 12/7/2021 | 4' | <0.023 | <0.047 | <0.047 | <0.094 | <0.09 | <4.7 | <9.8 | <49 | <9.8 | <49 | 550 |
| ***Additonal Site Asessment (1/12/2022)*** | | | | | | | | | | | | | |
| TH-32/0 | 1/12/2022 | 0' | <0.023 | <0.047 | <0.047 | <0.093 | <0.09 | <4.7 | <9.1 | <46 | <9.1 | <46 | <60 |
| TH-32/4 | 1/12/2022 | 4' | <0.024 | <0.048 | <0.048 | <0.097 | <0.10 | <4.8 | <9.1 | <45 | <9.1 | <45 | 160 |
| TH-33/0 | 1/12/2022 | 0' | <0.024 | <0.047 | <0.047 | <0.094 | <0.09 | <4.7 | <9.1 | <45 | <9.1 | <45 | <61 |
| TH-33/4 | 1/12/2022 | 4' | <0.024 | <0.049 | <0.049 | <0.097 | <0.10 | <4.9 | <9.8 | <49 | <9.8 | <49 | 87 |
| TH-34/0 | 1/12/2022 | 0' | <0.024 | <0.049 | <0.049 | <0.098 | <0.10 | <4.9 | <9.2 | <46 | <9.2 | <46 | <60 |
| TH-34/4 | 1/12/2022 | 4' | <0.023 | <0.047 | <0.047 | <0.093 | <0.09 | <4.7 | <9.5 | <48 | <9.5 | <48 | 880 |
| TH-35/2 | 1/12/2022 | 2' | <0.12 | <0.23 | <0.23 | <0.47 | <0.47 | <23 | 500 | 550 | 500 | 1,050 | 83 |
| TH-35/3 | 1/12/2022 | 3' | <0.11 | <0.23 | <0.23 | <0.46 | <0.46 | <23 | 270 | 400 | 270 | 670 | 120 |
| TH-36/0 | 1/12/2022 | 0' | <0.024 | <0.048 | <0.048 | <0.097 | <0.10 | <4.8 | <9.5 | <47 | <9.5 | <47 | <60 |
| TH-36/1 | 1/12/2022 | 1' | <0.023 | <0.046 | <0.046 | <0.093 | <0.09 | <4.6 | <10 | <50 | <10 | <50 | <60 |
| TH-37/0 | 1/12/2022 | 0' | <0.024 | <0.047 | <0.047 | <0.095 | <0.09 | <4.7 | 28 | 88 | 28 | 116 | <60 |
| TH-37/1 | 1/12/2022 | 1' | <0.024 | <0.048 | <0.048 | <0.095 | <0.10 | <4.8 | 23 | 75 | 23 | 98 | <60 |
| TH-38/0 | 1/12/2022 | 0' | <0.024 | <0.048 | <0.048 | <0.097 | <0.10 | <4.8 | <9.8 | <49 | <9.8 | <49 | <60 |
| TH-38/4 | 1/12/2022 | 4' | <0.024 | <0.048 | <0.048 | <0.096 | <0.10 | <4.8 | <9.3 | <47 | <9.3 | <47 | 190 |
| TH-39/0 | 1/12/2022 | 0' | <0.023 | <0.047 | <0.047 | <0.094 | <0.09 | <4.7 | <9.3 | <46 | <9.3 | <46 | 210 |

**SOIL BTEX (EPA 8021), TPH (SW 8015) & CHLORIDE (EPA 300) ANALYTICAL DATA**
**EOG RESOURCES, INC.**
**MOBIL CI BATTERY**

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TH-39/4 | 1/12/2022 | 4' | <0.023 | <0.047 | <0.047 | <0.094 | <0.09 | <4.7 | <9.8 | <49 | <9.8 | <49 | 220 |
| | | | | | | | | | | | | | |
| TH-40/0 | 1/12/2022 | 0' | <0.023 | <0.047 | <0.047 | <0.094 | <0.09 | <4.7 | <9.3 | <46 | <9.3 | <46 | <60 |
| TH-40/4 | 1/12/2022 | 4' | <0.024 | <0.047 | <0.047 | <0.095 | <0.09 | <4.7 | <9.8 | <49 | <9.8 | <49 | 140 |
| | | | | | | | | | | | | | |
| ***Additonal Site Asessment (06/28/2022)*** | | | | | | | | | | | | | |
| TH-1A/12 | 6/28/2022 | 12' | <0.024 | <0.048 | <0.048 | <0.097 | <0.09 | <4.8 | <15 | <48 | <15 | <48 | 4,600 |
| TH-1A/16 | 6/28/2022 | 16' | <0.024 | <0.047 | <0.047 | <0.095 | <0.09 | <4.7 | <15 | <50 | <15 | <50 | 2,700 |
| TH-1A/20 | 6/28/2022 | 20' | <0.024 | <0.048 | <0.048 | <0.097 | <0.09 | <4.8 | <14 | <48 | <14 | <48 | 610 |
| | | | | | | | | | | | | | |
| TH-8A/3 | 6/28/2022 | 3' | <0.024 | <0.047 | <0.047 | <0.095 | <0.09 | <4.7 | 5100 | 8400 | 5100 | **13,500** | 520 |
| TH-8A/9 | 6/28/2022 | 9' | <0.024 | <0.047 | <0.047 | <0.094 | <0.09 | <4.7 | 260 | 550 | 260 | 810 | 1,900 |
| TH-8A/14 | 6/28/2022 | 14' | <0.023 | <0.046 | <0.046 | <0.092 | <0.09 | <4.6 | 640 | 900 | 640 | 1,540 | 940 |
| | | | | | | | | | | | | | |
| TH-18A/10 | 6/28/2022 | 10' | <0.023 | <0.047 | <0.047 | <0.093 | <0.09 | <4.7 | <15 | <49 | <15 | <49 | 4,300 |
| TH-18A/15 | 6/28/2022 | 15' | <0.023 | <0.046 | <0.046 | <0.092 | <0.09 | <4.6 | <13 | <45 | <13 | <45 | 2,100 |
| TH-18A/18 | 6/28/2022 | 18' | <0.024 | <0.048 | <0.048 | <0.097 | <0.09 | <4.8 | <14 | <46 | <14 | <46 | 990 |
| | | | | | | | | | | | | | |
| **19.15.29.12 NMAC Table 1 Closure Criteria for Soils Impacted by a Release (GW >100')** | | | **10** | **---** | **---** | **---** | **50** | **---** | **---** | **---** | **1,000** | **2,500** | **20,000** |
| **19.15.29.13 NMAC Reclamation Criteria (0'-4' Soils Only)** | | | **10 [3]** | **---** | **---** | **---** | **50 [3]** | **---** | **---** | **---** | **---** | **100 [3]** | **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.**

**FIELD SCREENING SUMMARY TABLE**
**EOG RESOURCES, INC.**
**MOBIL CI BATTERY**

| Sample Location ID | Date | Depth (ft-bgs) | Field Chloride Reading (mg/Kg) | OVM Reading ($ppm_v$) | Sample Collected for Lab Analysis |
|---|---|---|---|---|---|
| | | | | | |
| TH-1 | 9/1/2021 | 0' | 1050 | 1.2 | X |
| TH-1 | 9/1/2021 | 1' | 750 | 2.1 | |
| TH-1 | 9/1/2021 | 2' | 750 | 3.9 | |
| TH-1 | 9/1/2021 | 3' | 1500 | 20.2 | |
| TH-1 | 9/1/2021 | 4' | 2100 | 2.1 | |
| TH-1 | 9/1/2021 | 5' | 2100 | 1.5 | |
| TH-1 | 9/1/2021 | 6' | 1500 | 4 | |
| TH-1 | 9/1/2021 | 7' | 2700 | 9.9 | |
| TH-1 | 9/1/2021 | 8' | 1800 | 11.3 | |
| TH-1 | 9/1/2021 | 9' | 2250 | 14.8 | |
| TH-1 | 9/1/2021 | 10' | 3300 | 53.7 | X |
| TH-1 | 9/1/2021 | 11' | 2100 | 47.3 | |
| TH-1 | 9/1/2021 | 12' | 2550 | 74.6 | |
| TH-1 | 9/1/2021 | 13' | 2100 | 123 | |
| TH-1 | 9/1/2021 | 14' | 1800 | 151 | X |
| | | | | | |
| TH-2 | 9/1/2021 | 0' | 450 | 1.2 | |
| TH-2 | 9/1/2021 | 1' | 750 | 1.4 | X |
| TH-2 | 9/1/2021 | 2' | 600 | 1.2 | |
| TH-2 | 9/1/2021 | 3' | 600 | 1.1 | |
| TH-2 | 9/1/2021 | 4' | 600 | 1.4 | |
| TH-2 | 9/1/2021 | 5' | 1050 | 0.5 | X |
| TH-2 | 9/1/2021 | 10' | 525 | 0.2 | X |
| | | | | | |
| TH-3 | 9/1/2021 | 0' | 450 | 0 | X |
| TH-3 | 9/1/2021 | 1' | 450 | 0 | |
| TH-3 | 9/1/2021 | 2' | 450 | 0.2 | |
| TH-3 | 9/1/2021 | 3' | 300 | 0 | |
| TH-3 | 9/1/2021 | 4' | 300 | 0 | X |
| | | | | | |
| TH-4 | 9/1/2021 | 0' | <3000 | 0 | X |
| TH-4 | 9/1/2021 | 1' | 1350 | 0.2 | |
| TH-4 | 9/1/2021 | 2' | 900 | 1 | X |
| TH-4 | 9/1/2021 | 3' | 750 | 1 | |
| TH-4 | 9/1/2021 | 4' | 600 | 0 | |
| TH-4 | 9/1/2021 | 5' | 675 | 0 | X |
| | | | | | |

**FIELD SCREENING SUMMARY TABLE**
**EOG RESOURCES, INC.**
**MOBIL CI BATTERY**

| Sample Location ID | Date | Depth (ft-bgs) | Field Chloride Reading (mg/Kg) | OVM Reading ($ppm_v$) | Sample Collected for Lab Analysis |
|---|---|---|---|---|---|
| TH-5 | 9/1/2021 | 0' | 450 | 0 | |
| TH-5 | 9/1/2021 | 1' | 450 | 1.1 | |
| TH-5 | 9/1/2021 | 2' | 750 | 0.7 | X |
| TH-5 | 9/1/2021 | 3' | 750 | 0.8 | |
| TH-5 | 9/1/2021 | 4' | 750 | 0.9 | |
| TH-5 | 9/1/2021 | 5' | 1500 | 1.1 | X |
| TH-5 | 9/1/2021 | 10' | 3000 | 0.7 | X |
| | | | | | |
| TH-6 | 9/1/2021 | 0' | 450 | 0 | X |
| TH-6 | 9/1/2021 | 1' | 300 | 0 | |
| TH-6 | 9/1/2021 | 2' | 375 | 0 | |
| TH-6 | 9/1/2021 | 3' | 300 | 0 | |
| TH-6 | 9/1/2021 | 4' | 300 | 0 | X |
| | | | | | |
| TH-7 | 9/1/2021 | 0' | 300 | 0 | X |
| TH-7 | 9/1/2021 | 1' | 300 | 0 | |
| TH-7 | 9/1/2021 | 2' | 300 | 0 | |
| TH-7 | 9/1/2021 | 3' | 300 | 0 | |
| TH-7 | 9/1/2021 | 4' | 375 | 0 | |
| TH-7 | 9/1/2021 | 5' | 525 | 0 | X |
| | | | | | |
| TH-8 | 9/1/2021 | 0' | 450 | 0 | X |
| TH-8 | 9/1/2021 | 1' | 450 | 0.4 | |
| TH-8 | 9/1/2021 | 2' | 525 | 40.5 | |
| TH-8 | 9/1/2021 | 3' | 450 | 25.5 | |
| TH-8 | 9/1/2021 | 4' | 900 | 5.3 | |
| TH-8 | 9/1/2021 | 5' | --- | 153 | X |
| TH-8 | 9/1/2021 | 10' | 1200 | 1.7 | X |
| | | | | | |
| TH-9 | 9/1/2021 | 0' | 1200 | 0.3 | X |
| TH-9 | 9/1/2021 | 2' | 750 | 0.4 | |
| TH-9 | 9/1/2021 | 5' | 450 | 0 | X |
| TH-9 | 9/1/2021 | 10' | 300 | 0 | |
| TH-9 | 9/1/2021 | 14' | 300 | 0 | X |
| | | | | | |
| TH-10 | 9/1/2021 | 0' | 300 | 0 | X |
| TH-10 | 9/1/2021 | 1' | 450 | 0.5 | |
| TH-10 | 9/1/2021 | 2' | 375 | 0.8 | |
| TH-10 | 9/1/2021 | 3' | 300 | 0.7 | |
| TH-10 | 9/1/2021 | 4' | 375 | 0.6 | |
| TH-10 | 9/1/2021 | 5' | 375 | 0.3 | X |
| | | | | | |

**FIELD SCREENING SUMMARY TABLE**
**EOG RESOURCES, INC.**
**MOBIL CI BATTERY**

| Sample Location ID | Date | Depth (ft-bgs) | Field Chloride Reading (mg/Kg) | OVM Reading ($ppm_v$) | Sample Collected for Lab Analysis |
|---|---|---|---|---|---|
| TH-11 | 9/1/2021 | 0' | 300 | 0 | X |
| TH-11 | 9/1/2021 | 1' | 375 | 0.2 | |
| TH-11 | 9/1/2021 | 2' | 300 | 0 | |
| TH-11 | 9/1/2021 | 3' | 300 | 0 | |
| TH-11 | 9/1/2021 | 4' | 300 | 0 | |
| TH-11 | 9/1/2021 | 5' | 375 | 0 | X |
| | | | | | |
| TH-12 | 9/1/2021 | 0' | 300 | 1 | X |
| TH-12 | 9/1/2021 | 1' | 1200 | 0.5 | |
| TH-12 | 9/1/2021 | 2' | 600 | 0.8 | |
| TH-12 | 9/1/2021 | 3' | 750 | 0.6 | |
| TH-12 | 9/1/2021 | 4' | 750 | 0.4 | |
| TH-12 | 9/1/2021 | 5' | 900 | 0.7 | X |
| TH-12 | 9/1/2021 | 6' | 600 | 0.1 | |
| TH-12 | 9/1/2021 | 7' | 300 | 0 | |
| TH-12 | 9/1/2021 | 8' | 300 | 0 | X |
| | | | | | |
| TH-13 | 9/1/2021 | 0' | 450 | 0 | X |
| TH-13 | 9/1/2021 | 1' | 450 | 0 | |
| TH-13 | 9/1/2021 | 2' | 450 | 0 | |
| TH-13 | 9/1/2021 | 3' | 450 | 0 | |
| TH-13 | 9/1/2021 | 4' | 450 | 0 | |
| TH-13 | 9/1/2021 | 5' | 525 | 0 | X |
| | | | | | |
| TH-14 | 9/1/2021 | 0' | 450 | 0 | X |
| TH-14 | 9/1/2021 | 1' | 375 | 0 | |
| TH-14 | 9/1/2021 | 2' | 450 | 0 | |
| TH-14 | 9/1/2021 | 3' | 450 | 0 | |
| TH-14 | 9/1/2021 | 4' | 450 | 0 | |
| TH-14 | 9/1/2021 | 5' | 525 | 0 | X |
| | | | | | |
| TH-15 | 9/1/2021 | 0' | >2250 | 0.6 | X |
| TH-15 | 9/1/2021 | 1' | >2250 | 0.4 | |
| TH-15 | 9/1/2021 | 2' | 1800 | 0.2 | |
| TH-15 | 9/1/2021 | 3' | >2250 | 0.2 | |
| TH-15 | 9/1/2021 | 4' | 2400 | 0.2 | X |
| TH-15 | 9/1/2021 | 5' | 1200 | 0.2 | |
| TH-15 | 9/1/2021 | 6' | 1200 | 0 | |
| TH-15 | 9/1/2021 | 8' | 1200 | 0 | |
| TH-15 | 9/1/2021 | 10' | 1200 | 0 | |
| TH-15 | 9/1/2021 | 14' | 600 | 0 | X |
| | | | | | |

**FIELD SCREENING SUMMARY TABLE**
**EOG RESOURCES, INC.**
**MOBIL CI BATTERY**

| Sample Location ID | Date | Depth (ft-bgs) | Field Chloride Reading (mg/Kg) | OVM Reading ($ppm_v$) | Sample Collected for Lab Analysis |
|---|---|---|---|---|---|
| TH-16 | 12/6/2021 | 0' | 300 | 0 | X |
| TH-16 | 12/6/2021 | 1' | 1350 | 0 | |
| TH-16 | 12/6/2021 | 2' | 1,650 | 0 | |
| TH-16 | 12/6/2021 | 3' | 1050 | 0 | |
| TH-16 | 12/6/2021 | 4' | 1050 | 0.2 | |
| TH-16 | 12/6/2021 | 5' | 1,500 | 0.4 | |
| TH-16 | 12/6/2021 | 6' | 1650 | 0.3 | |
| TH-16 | 12/6/2021 | 7' | 2100 | 0.3 | X |
| TH-16 | 12/6/2021 | 8' | 1,350 | 0.2 | |
| TH-16 | 12/6/2021 | 9' | 1200 | 0.4 | |
| TH-16 | 12/6/2021 | 10' | 750 | 0.5 | |
| TH-16 | 12/6/2021 | 11' | 900 | 0.5 | |
| TH-16 | 12/6/2021 | 12' | 600 | 0.4 | |
| TH-16 | 12/6/2021 | 13' | 300 | 0.2 | |
| TH-16 | 12/6/2021 | 14' | 300 | 0.3 | X |
| | | | | | |
| TH-17 | 12/6/2021 | 0' | 150 | 0.3 | X |
| TH-17 | 12/6/2021 | 1' | 150 | 1 | |
| TH-17 | 12/6/2021 | 2' | 300 | 0.6 | |
| TH-17 | 12/6/2021 | 3' | 750 | 0.3 | |
| TH-17 | 12/6/2021 | 4' | 1,200 | 0.5 | |
| TH-17 | 12/6/2021 | 5' | 1,050 | 0 | |
| TH-17 | 12/6/2021 | 6' | 600 | 0 | X |
| | | | | | |
| TH-18 | 12/6/2021 | 0' | 750 | 0 | |
| TH-18 | 12/6/2021 | 1' | 1200 | 0 | X |
| TH-18 | 12/6/2021 | 2' | 1500 | 0.3 | |
| TH-18 | 12/6/2021 | 3' | 1350 | 0.3 | |
| TH-18 | 12/6/2021 | 4' | 900 | 0.3 | |
| TH-18 | 12/6/2021 | 5' | 900 | 0.1 | |
| TH-18 | 12/6/2021 | 6' | 750 | 0.2 | |
| TH-18 | 12/6/2021 | 7' | 600 | 0.5 | |
| TH-19 | 12/6/2021 | 8' | 600 | 0.2 | X |
| | | | | | |
| TH-19 | 12/6/2021 | 0' | 150 | 0.4 | X |
| TH-19 | 12/6/2021 | 1' | 150 | 0.5 | |
| TH-19 | 12/6/2021 | 2' | 150 | 0.4 | |
| TH-19 | 12/6/2021 | 3' | 150 | 0.4 | |
| TH-19 | 12/6/2021 | 4' | 150 | 0.4 | X |
| | | | | | |

**FIELD SCREENING SUMMARY TABLE**
**EOG RESOURCES, INC.**
**MOBIL CI BATTERY**

| Sample Location ID | Date | Depth (ft-bgs) | Field Chloride Reading (mg/Kg) | OVM Reading ($ppm_v$) | Sample Collected for Lab Analysis |
|---|---|---|---|---|---|
| TH-20 | 12/6/2021 | 0' | 2550 | 0 | X |
| TH-20 | 12/6/2021 | 1' | 700 | 0 | |
| TH-20 | 12/6/2021 | 2' | 450 | 0.2 | |
| TH-20 | 12/6/2021 | 3' | 750 | 0.2 | |
| TH-20 | 12/6/2021 | 4' | 900 | 0.1 | |
| TH-20 | 12/6/2021 | 5' | 750 | 0.1 | |
| TH-20 | 12/6/2021 | 6' | 450 | 0.3 | X |
| | | | | | |
| TH-21 | 12/6/2021 | 0' | 300 | 0 | X |
| TH-21 | 12/6/2021 | 1' | 150 | 0 | |
| TH-21 | 12/6/2021 | 2' | 150 | 0 | |
| TH-21 | 12/6/2021 | 3' | 150 | 0 | |
| TH-21 | 12/6/2021 | 4' | 300 | 0 | X |
| | | | | | |
| TH-22 | 12/6/2021 | 0' | 150 | 0 | |
| TH-22 | 12/6/2021 | 1' | 150 | 0 | X |
| TH-22 | 12/6/2021 | 2' | 150 | 0 | |
| TH-22 | 12/6/2021 | 3' | 150 | 0 | |
| TH-22 | 12/6/2021 | 4' | 150 | 0 | X |
| | | | | | |
| TH-23 | 12/6/2021 | 0' | 150 | 0 | |
| TH-23 | 12/6/2021 | 1' | 150 | 0 | X |
| TH-23 | 12/6/2021 | 2' | 150 | 0 | |
| TH-23 | 12/6/2021 | 3' | 150 | 0 | |
| TH-23 | 12/6/2021 | 4' | 150 | 0 | X |
| | | | | | |
| TH-24 | 12/6/2021 | 0' | 2700 | 0 | X |
| TH-24 | 12/6/2021 | 1' | 1050 | 0 | |
| TH-24 | 12/6/2021 | 2' | 750 | 0 | |
| TH-24 | 12/6/2021 | 3' | 900 | 0 | |
| TH-24 | 12/6/2021 | 4' | 900 | 0 | |
| TH-24 | 12/6/2021 | 5' | 1050 | 0 | |
| TH-24 | 12/6/2021 | 6' | 1050 | 0 | |
| TH-24 | 12/6/2021 | 7' | 1650 | 0 | |
| TH-24 | 12/6/2021 | 8' | 1500 | 0 | |
| TH-24 | 12/6/2021 | 9' | 1650 | 0 | |
| TH-24 | 12/6/2021 | 10' | 1350 | 0 | |
| TH-24 | 12/6/2021 | 11' | 1950 | 0 | |
| TH-24 | 12/6/2021 | 12' | 1350 | 0 | |
| TH-24 | 12/6/2021 | 13' | 1500 | 0 | |
| TH-24 | 12/6/2021 | 14' | 2250 | 0 | X |
| TH-24 | 12/6/2021 | 15' | 1950 | 0 | |
| TH-24 | 12/6/2021 | 16' | 1050 | 0 | |
| TH-24 | 12/6/2021 | 17' | 1800 | 0 | |
| TH-24 | 12/6/2021 | 18' | 900 | 0 | |

**FIELD SCREENING SUMMARY TABLE**
**EOG RESOURCES, INC.**
**MOBIL CI BATTERY**

| Sample Location ID | Date | Depth (ft-bgs) | Field Chloride Reading (mg/Kg) | OVM Reading ($ppm_v$) | Sample Collected for Lab Analysis |
|---|---|---|---|---|---|
| TH-24 | 12/6/2021 | 19' | 1200 | 0 | |
| TH-24 | 12/6/2021 | 20' | 1050 | 0 | X |
| | | | | | |
| TH-25 | 12/7/2021 | 0' | 150 | 0 | X |
| TH-25 | 12/7/2021 | 1' | 150 | 0 | |
| TH-25 | 12/7/2021 | 2' | 150 | 0 | |
| TH-25 | 12/7/2021 | 3' | 150 | 0 | |
| TH-25 | 12/7/2021 | 4' | 150 | 0 | X |
| | | | | | |
| TH-26 | 12/7/2021 | 0' | 150 | --- | X |
| TH-26 | 12/7/2021 | 1' | 150 | --- | |
| TH-26 | 12/7/2021 | 2' | 150 | --- | |
| TH-26 | 12/7/2021 | 3' | 150 | --- | |
| TH-26 | 12/7/2021 | 4' | 750 | --- | X |
| TH-26 | 12/7/2021 | 5' | 450 | --- | |
| TH-26 | 12/7/2021 | 6' | 600 | --- | |
| TH-26 | 12/7/2021 | 7' | 600 | --- | |
| TH-26 | 12/7/2021 | 8' | 300 | --- | X |
| | | | | | |
| TH-27 | 12/7/2021 | 0' | 150 | 0 | X |
| TH-27 | 12/7/2021 | 1' | 150 | 0 | |
| TH-27 | 12/7/2021 | 2' | 150 | 0 | |
| TH-27 | 12/7/2021 | 3' | 150 | 0 | |
| TH-27 | 12/7/2021 | 4' | 150 | 0 | X |
| | | | | | |
| TH-28 | 12/7/2021 | 0' | 150 | --- | |
| TH-28 | 12/7/2021 | 1' | 750 | --- | |
| TH-28 | 12/7/2021 | 2' | 600 | --- | |
| TH-28 | 12/7/2021 | 3' | 900 | --- | X |
| TH-28 | 12/7/2021 | 4' | 750 | --- | |
| TH-28 | 12/7/2021 | 5' | 750 | --- | |
| TH-28 | 12/7/2021 | 6' | 600 | --- | |
| TH-28 | 12/7/2021 | 7' | 150 | --- | |
| TH-28 | 12/7/2021 | 8' | 300 | --- | X |
| | | | | | |
| TH-29 | 12/7/2021 | 0' | 150 | --- | |
| TH-29 | 12/7/2021 | 1' | 150 | --- | |
| TH-29 | 12/7/2021 | 2' | 150 | --- | |
| TH-29 | 12/7/2021 | 3' | 900 | --- | |
| TH-29 | 12/7/2021 | 4' | 1,050 | --- | |
| TH-29 | 12/7/2021 | 5' | 1200 | --- | |
| TH-29 | 12/7/2021 | 6' | 1650 | --- | X |
| TH-29 | 12/7/2021 | 7' | 900 | --- | |
| TH-29 | 12/7/2021 | 8' | 750 | --- | |
| TH-29 | 12/7/2021 | 9' | 750 | --- | |

**FIELD SCREENING SUMMARY TABLE**
**EOG RESOURCES, INC.**
**MOBIL CI BATTERY**

| Sample Location ID | Date | Depth (ft-bgs) | Field Chloride Reading (mg/Kg) | OVM Reading ($ppm_v$) | Sample Collected for Lab Analysis |
|---|---|---|---|---|---|
| TH-29 | 12/7/2021 | 10' | 450 | --- | X |
| | | | | | |
| TH-30 | 12/7/2021 | 0' | 150 | --- | X |
| TH-30 | 12/7/2021 | 1' | 150 | --- | |
| TH-30 | 12/7/2021 | 2' | 300 | --- | |
| TH-30 | 12/7/2021 | 3' | 450 | --- | |
| TH-30 | 12/7/2021 | 4' | 600 | --- | X |
| | | | | | |
| TH-31 | 12/7/2021 | 0' | 150 | 0 | X |
| TH-31 | 12/7/2021 | 1' | 150 | 0 | |
| TH-31 | 12/7/2021 | 2' | 150 | 0 | |
| TH-31 | 12/7/2021 | 3' | 150 | 0 | |
| TH-31 | 12/7/2021 | 4' | 450 | 0 | X |
| | | | | | |
| TH-32 | 1/12/2022 | 0' | 150 | 0 | X |
| TH-32 | 1/12/2022 | 1' | 150 | 0 | |
| TH-32 | 1/12/2022 | 2' | 150 | 0 | |
| TH-32 | 1/12/2022 | 3' | 150 | 0 | |
| TH-32 | 1/12/2022 | 4' | 150 | 0 | X |
| | | | | | |
| TH-33 | 1/12/2022 | 0' | 150 | 0 | X |
| TH-33 | 1/12/2022 | 1' | 150 | 0 | |
| TH-33 | 1/12/2022 | 2' | 150 | 0 | |
| TH-33 | 1/12/2022 | 3' | 150 | 0 | |
| TH-33 | 1/12/2022 | 4' | 150 | 0 | X |
| | | | | | |
| TH-34 | 1/12/2022 | 0' | 150 | 0 | X |
| TH-34 | 1/12/2022 | 1' | 150 | 0 | |
| TH-34 | 1/12/2022 | 2' | 150 | 0.2 | |
| TH-34 | 1/12/2022 | 3' | 150 | 0.2 | |
| TH-34 | 1/12/2022 | 4' | 450 | 0.2 | X |
| | | | | | |
| TH-35 | 1/12/2022 | 0' | 150 | 0 | |
| TH-35 | 1/12/2022 | 1' | 150 | 0 | |
| TH-35 | 1/12/2022 | 2' | 150 | 9.2 | X |
| TH-35 | 1/12/2022 | 3' | 150 | 5.8 | X |
| | | | | | |
| TH-36 | 1/12/2022 | 0' | 150 | 0.1 | X |
| TH-36 | 1/12/2022 | 1' | 150 | 0.8 | X |
| | | | | | |
| TH-37 | 1/12/2022 | 0' | 150 | 0.5 | X |
| TH-37 | 1/12/2022 | 1' | 150 | 0.2 | X |
| | | | | | |
| TH-38 | 1/12/2022 | 0' | 150 | 0 | X |
| TH-38 | 1/12/2022 | 1' | 150 | 0 | |

**FIELD SCREENING SUMMARY TABLE**
**EOG RESOURCES, INC.**
**MOBIL CI BATTERY**

| Sample Location ID | Date | Depth (ft-bgs) | Field Chloride Reading (mg/Kg) | OVM Reading ($ppm_v$) | Sample Collected for Lab Analysis |
|---|---|---|---|---|---|
| TH-38 | 1/12/2022 | 2' | 150 | 0 | |
| TH-38 | 1/12/2022 | 3' | 225 | 0 | |
| TH-38 | 1/12/2022 | 4' | 300 | 0 | X |
| | | | | | |
| TH-39 | 1/12/2022 | 0' | 150 | 0 | X |
| TH-39 | 1/12/2022 | 1' | 150 | 0 | |
| TH-39 | 1/12/2022 | 2' | 150 | 0 | |
| TH-39 | 1/12/2022 | 3' | 150 | 0.2 | |
| TH-39 | 1/12/2022 | 4' | 150 | 0.4 | X |
| | | | | | |
| TH-40 | 1/12/2022 | 0' | 150 | 0 | X |
| TH-40 | 1/12/2022 | 1' | 150 | 0 | |
| TH-40 | 1/12/2022 | 2' | 150 | 0 | |
| TH-40 | 1/12/2022 | 3' | 300 | 0 | |
| TH-40 | 1/12/2022 | 4' | 150 | 0.2 | X |
| | | | | | |
| TH-1A | 6/28/2022 | 0' | 1800 | 0 | |
| TH-1A | 6/28/2022 | 1' | 1050 | 0 | |
| TH-1A | 6/28/2022 | 2' | 1050 | 0 | |
| TH-1A | 6/28/2022 | 3' | 750 | 0 | |
| TH-1A | 6/28/2022 | 4' | 1050 | 0 | |
| TH-1A | 6/28/2022 | 5' | 1500 | 0 | |

# ATTACHMENT 1 – DEPTH-TO-GROUNDWATER DATA

# STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)



PROJECT NAME: Mobil CI Battery
PROJECT NUMBER: 12579882
CLIENT: EOG Resources
LOCATION: Eddy County, New Mexico
DRILLING CONTRACTOR: HCI Drilling

HOLE DESIGNATION: SB-1
DATE COMPLETED: 6 May 2022
DRILLING METHOD: Air Rotary/Split Spoons and Cuttings
FIELD PERSONNEL: L. Mullins
DRILLER: K. Cooper

| DEPTH ft BGS | STRATIGRAPHIC DESCRIPTION & REMARKS | DEPTH BGS | MONITORING WELL | SAMPLE NUMBER | SAMPLE INTERVAL | SAMPLE REC (%) | SAMPLE CHLORIDE (mg/kg) |
|---|---|---|---|---|---|---|---|
| | Partially Consolidated Caliche with sand, light grey, dry | | | | | | |
| | CALICHE GRAVEL, with fine to medium sand and rock gravel, light grey | 19.00 | | | | | |
| | SP-SAND, fine to medium grained sand, light brown to reddish, dry | 30.00 | | | | | |
| | - light brown at 45.00ft BGS | | | | | | |

NOTES:

File: \\GHDNET\GHD\US\MIDLAND\PROJECTS\562\12579882\TECH\GINT LOGS\12579882 LOGS.GPJ Library File: GHD_ENVIRO_V06.GLB Report: OVERBURDEN LOG Date: 9/6/22

# STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)



PROJECT NAME: Mobil CI Battery
PROJECT NUMBER: 12579882
CLIENT: EOG Resources
LOCATION: Eddy County, New Mexico
DRILLING CONTRACTOR: HCI Drilling

HOLE DESIGNATION: SB-1
DATE COMPLETED: 6 May 2022
DRILLING METHOD: Air Rotary/Split Spoons and Cuttings
FIELD PERSONNEL: L. Mullins
DRILLER: K. Cooper

| DEPTH ft BGS | STRATIGRAPHIC DESCRIPTION & REMARKS | DEPTH BGS | MONITORING WELL | SAMPLE NUMBER | SAMPLE INTERVAL | SAMPLE REC (%) | SAMPLE CHLORIDE (mg/kg) |
|---|---|---|---|---|---|---|---|
| 75 | - with gravel at 70.00ft BGS | | | | | | |
| 80 | | | | | | | |
| 85 | | | | | | | |
| 90 | CL-SANDY CLAY, light brown to brown, slightly moist | 87.00 | | | | | |
| 95 | | | | | | | |
| 100 | | | | | | | |
| 105 | | | 2" Ø Screen | | | | |
| 110 | END OF BOREHOLE @ 109.00ft BGS | 109.00 | | | | | |
| 115 | | | | | | | |
| 120 | | | | | | | |
| 125 | | | | | | | |
| 130 | | | | | | | |
| 135 | | | | | | | |

WELL DETAILS
Screened interval:
99.00 to 109.00ft BGS
Length: 10ft
Diameter: 2in

NOTE:
This well was plugged and abandoned.

NOTES: Temp Well Gauged on May 11, 2022 and no groundwater was detected. Temp well was plugged and abandoned.

File: \\GHDNET\GHD\US\MIDLAND\PROJECTS\562\12579882\TECH\GINT LOGS\12579882 LOGS.GPJ Library File: GHD_ENVIRO_V06.GLB Report: OVERBURDEN LOG Date: 9/6/22

# New Mexico Office of the State Engineer
# Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

| Well Tag | POD Number | Q64 | Q16 | Q4 | Sec | Twn | Rng | X | Y |
|---|---|---|---|---|---|---|---|---|---|
| | RA 05331 | 1 | 1 | 4 | 05 | 19S | 25E | 546308 | 3616955* |

**Driller License:** 353 **Driller Company:** OSBOURN DRILLING & PUMP CO.

**Driller Name:**

**Drill Start Date:** 04/05/1967 **Drill Finish Date:** 04/13/1967 **Plug Date:**

**Log File Date:** 04/17/1967 **PCW Rcv Date:** **Source:** Shallow

**Pump Type:** **Pipe Discharge Size:** **Estimated Yield:**

**Casing Size:** 5.50 **Depth Well:** 460 feet **Depth Water:** 305 feet

| Water Bearing Stratifications: | Top | Bottom | Description |
|---|---|---|---|
| | 328 | 364 | Limestone/Dolomite/Chalk |
| | 398 | 440 | Other/Unknown |

| Casing Perforations: | Top | Bottom |
|---|---|---|
| | 400 | 440 |

***UTM location was derived from PLSS - see Help**

*New Mexico Office of the State Engineer*

# Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

| Well Tag | POD Number | Q64 | Q16 | Q4 | Sec | Twn | Rng | X | Y |
|---|---|---|---|---|---|---|---|---|---|
| | RA 03959 | | 2 | 4 | 12 | 19S | 24E | 543589 | 3615225* |

**Driller License:** 28 **Driller Company:** SMITH, A.F.

**Driller Name:**

**Drill Start Date:** 11/26/1958 **Drill Finish Date:** 11/26/1958 **Plug Date:**

**Log File Date:** 12/01/1958 **PCW Rcv Date:** **Source:**

**Pump Type:** **Pipe Discharge Size:** **Estimated Yield:**

**Casing Size:** **Depth Well:** 545 feet **Depth Water:** 265 feet

***UTM location was derived from PLSS - see Help**

# New Mexico Office of the State Engineer
# Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

| Well Tag | POD Number | Q64 | Q16 | Q4 | Sec | Twn | Rng | X | Y |
|---|---|---|---|---|---|---|---|---|---|
| | RA 06436 | 3 | 1 | 4 | 12 | 19S | 24E | 543083 | 3615122* |

**Driller License:** 406 **Driller Company:** TIDWELL, CLYDE J.

**Driller Name:**

**Drill Start Date:** 01/30/1979 **Drill Finish Date:** 02/04/1979 **Plug Date:**

**Log File Date:** 02/04/1979 **PCW Rcv Date:** **Source:** Shallow

**Pump Type:** **Pipe Discharge Size:** **Estimated Yield:**

**Casing Size:** **Depth Well:** **Depth Water:** 300 feet

**Meter Number:** 4261 **Meter Make:** MCCROMETER

**Meter Serial Number:** 13-01326-13 **Meter Multiplier:** 100.0000

**Number of Dials:** 6 **Meter Type:** Diversion

**Unit of Measure:** Gallons **Return Flow Percent:**

**Usage Multiplier:** **Reading Frequency:** Quarterly

**Meter Readings (in Acre-Feet)**

| Read Date | Year | Mtr Reading | Flag | Rdr | Comment | Mtr Amount | Online |
|---|---|---|---|---|---|---|---|
| 01/11/2000 | 2000 | 0 | A | RPT | | 0 | |
| 07/11/2000 | 2000 | 0 | A | RPT | | 0 | |
| 10/11/2000 | 2000 | 0 | A | RPT | | 0 | |
| 01/03/2001 | 2000 | 0 | A | RPT | | 0 | |
| 04/09/2001 | 2001 | 0 | A | RPT | | 0 | |
| 07/09/2001 | 2001 | 0 | A | RPT | not water used this quater | 0 | |
| 01/23/2002 | 2001 | 16020 | A | RPT | | 0 | |
| 04/04/2002 | 2002 | 16020 | A | RPT | | 0 | |
| 07/06/2002 | 2002 | 23670 | A | RPT | | 0.023 | |
| 10/09/2002 | 2002 | 26528 | A | RPT | | 0.009 | |
| 01/14/2003 | 2002 | 32468 | A | RPT | | 0.018 | |
| 04/16/2003 | 2003 | 35292 | A | RPT | | 0.009 | |
| 08/18/2003 | 2003 | 53990 | A | tw | | 0.057 | |
| 10/28/2003 | 2003 | 57574 | A | tw | | 0.011 | |
| 01/08/2004 | 2004 | 57574 | A | tw | | 0 | |
| 04/15/2004 | 2004 | 61694 | A | sj | | 0.013 | |
| 07/06/2004 | 2004 | 61694 | A | sj | | 0 | |
| 10/02/2004 | 2004 | 92200 | A | sj | | 0.094 | |
| 01/10/2005 | 2004 | 108867 | A | sj | | 0.051 | |
| 04/11/2005 | 2005 | 109923 | A | RPT | | 0.003 | |
| 07/09/2005 | 2005 | 112043 | A | RPT | | 0.007 | |
| 10/04/2005 | 2005 | 116328 | A | RPT | | 0.013 | |
| 12/31/2005 | 2005 | 129760 | A | ch | | 0.041 | |
| 02/27/2006 | 2006 | 140575 | A | ch | | 0.033 | |
| 03/01/2006 | 2006 | 0 | A | RPT | Initial reading | 0 | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 07/07/2006 | 2006 | 29996 | A | RPT | | 9.205 | |
| 10/02/2006 | 2006 | 44829 | A | RPT | | 4.552 | |
| 04/10/2007 | 2007 | 52670 | A | RPT | | 2.406 | |
| 07/09/2007 | 2007 | 55001 | A | RPT | | 0.715 | |
| 10/10/2007 | 2007 | 55501 | A | RPT | | 0.153 | |
| 01/08/2008 | 2007 | 57425 | A | RPT | | 0.590 | |
| 04/08/2008 | 2008 | 58751 | A | RPT | | 0.407 | |
| 07/08/2008 | 2008 | 61160 | A | RPT | | 0.739 | |
| 10/09/2008 | 2008 | 61589 | A | RPT | | 0.132 | |
| 01/08/2009 | 2008 | 62400 | A | RPT | | 0.249 | |
| 01/01/2010 | 2009 | 65837 | A | RPT | | 1.055 | |
| 10/05/2011 | 2011 | 20693 | A | RPT | Final reading/Temp Meter | 6.350 | |
| 10/05/2011 | 2011 | 0 | A | RPT | Initial reading/Temp meter | 0 | |
| 10/05/2011 | 2011 | 70831 | A | RPT | | 1.533 | |
| 07/09/2012 | 2012 | 6707 | A | RPT | Temp Meter/Final Reading | 1.329 | |
| 07/09/2012 | 2012 | 2376 | A | RPT | Temp Meter/Initial Reading | 0 | |
| 05/08/2013 | 2013 | 70831 | A | RPT | Old Meter Reinstalled/New read | 0 | |
| 05/08/2013 | 2013 | 84373 | A | RPT | | 4.156 | |
| 07/10/2013 | 2013 | 84727 | A | RPT | | 0.109 | |
| 10/01/2013 | 2013 | 85221 | A | RPT | | 0.152 | |
| 01/01/2014 | 2013 | 243320 | R | RPT | Corrected reading | 48.519 | |
| 04/01/2014 | 2014 | 244217 | A | RPT | Corrected reading | 0.275 | |
| 07/01/2014 | 2014 | 271687 | A | RPT | | 8.430 | |
| 10/01/2014 | 2014 | 304194 | A | RPT | | 9.976 | |
| 07/01/2015 | 2015 | 344217 | A | RPT | | 12.283 | |
| 10/08/2015 | 2015 | 344217 | A | RPT | | 0 | |
| 01/01/2016 | 2016 | 344217 | A | ap | | 0 | |
| 04/01/2016 | 2016 | 344217 | A | ap | | 0 | |
| 07/01/2016 | 2016 | 344217 | A | ap | | 0 | |
| 10/01/2016 | 2016 | 344217 | A | ap | | 0 | |
| 01/01/2017 | 2017 | 344217 | A | ap | | 0 | |
| 04/04/2017 | 2017 | 181180 | A | ap | newmeterstartedw/181180 | 0 | |
| 07/06/2017 | 2017 | 236029 | A | ap | | 16.833 | |
| 10/06/2017 | 2017 | 257069 | A | ap | | 6.457 | |
| 01/03/2018 | 2018 | 289625 | A | ap | | 9.991 | |
| 04/01/2018 | 2018 | 289625 | A | ap | | 0 | |
| 07/01/2018 | 2018 | 289625 | A | ap | | 0 | |
| 10/01/2018 | 2018 | 289625 | A | RPT | | 0 | |
| 01/01/2019 | 2019 | 289625 | A | RPT | | 0 | |
| 04/01/2019 | 2019 | 289625 | A | RPT | | 0 | |
| 07/01/2019 | 2019 | 289625 | A | RPT | | 0 | |
| 10/01/2019 | 2019 | 289734 | A | RPT | | 0.033 | |
| 01/01/2020 | 2020 | 289734 | A | RPT | | 0 | |
| 10/01/2020 | 2020 | 323186 | A | RPT | | 10.266 | |
| 01/01/2021 | 2020 | 323186 | A | RPT | | 0 | |
| 07/01/2021 | 2021 | 337019 | A | WEB | | 4.245 | X |
| 09/01/2021 | 2021 | 337019 | A | WEB | | 0 | X |
| 01/01/2022 | 2022 | 341063 | A | WEB | | 1.241 | X |

x

****YTD Meter Amounts: Year Amount**

| | |
|---|---|
| 2000 | 0 |
| 2001 | 0 |
| 2002 | 0.050 |
| 2003 | 0.077 |
| 2004 | 0.158 |
| 2005 | 0.064 |
| 2006 | 13.790 |
| 2007 | 3.864 |
| 2008 | 1.527 |
| 2009 | 1.055 |
| 2010 | 0 |
| 2011 | 7.883 |
| 2012 | 1.329 |
| 2013 | 52.936 |
| 2014 | 18.681 |
| 2015 | 12.283 |
| 2016 | 0 |
| 2017 | 23.290 |
| 2018 | 9.991 |
| 2019 | 0.033 |
| 2020 | 10.266 |
| 2021 | 4.245 |
| 2022 | 1.241 |

x

***UTM location was derived from PLSS - see Help**

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: United States | GO

Click to hideNews Bulletins

- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

## Search Results -- 1 sites found

**site_no list =**

- 324024104322201

**Minimum number of levels =** 1

Save file of selected sites to local disk for future upload

---

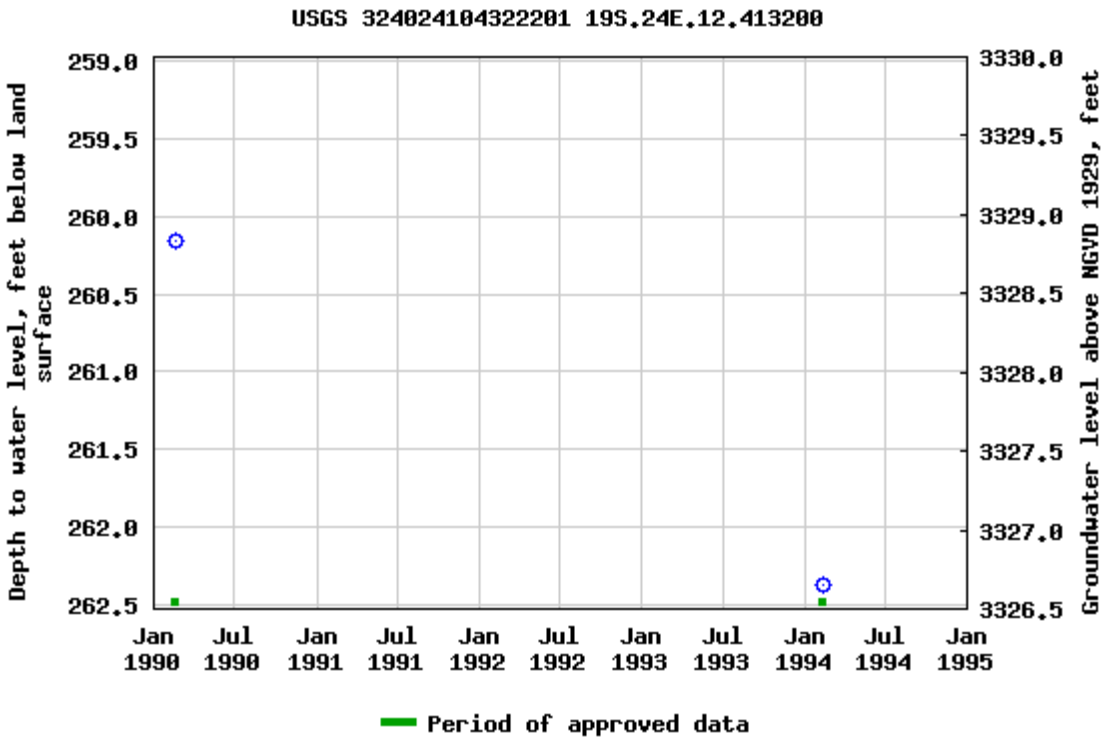
## USGS 324024104322201 19S.24E.12.413200

Available data for this site | Groundwater: Field measurements | GO

Eddy County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°40'24", Longitude 104°32'22" NAD27
Land-surface elevation 3,589 feet above NGVD29
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.
Download a presentation-quality graph

---

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News



**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: 2022-03-17 11:54:39 EDT
0.65 0.52 nadww01

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: United States | GO

Click to hideNews Bulletins

- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

## Search Results -- 1 sites found

**site_no list =**

- 324041104294801

**Minimum number of levels =** 1

Save file of selected sites to local disk for future upload

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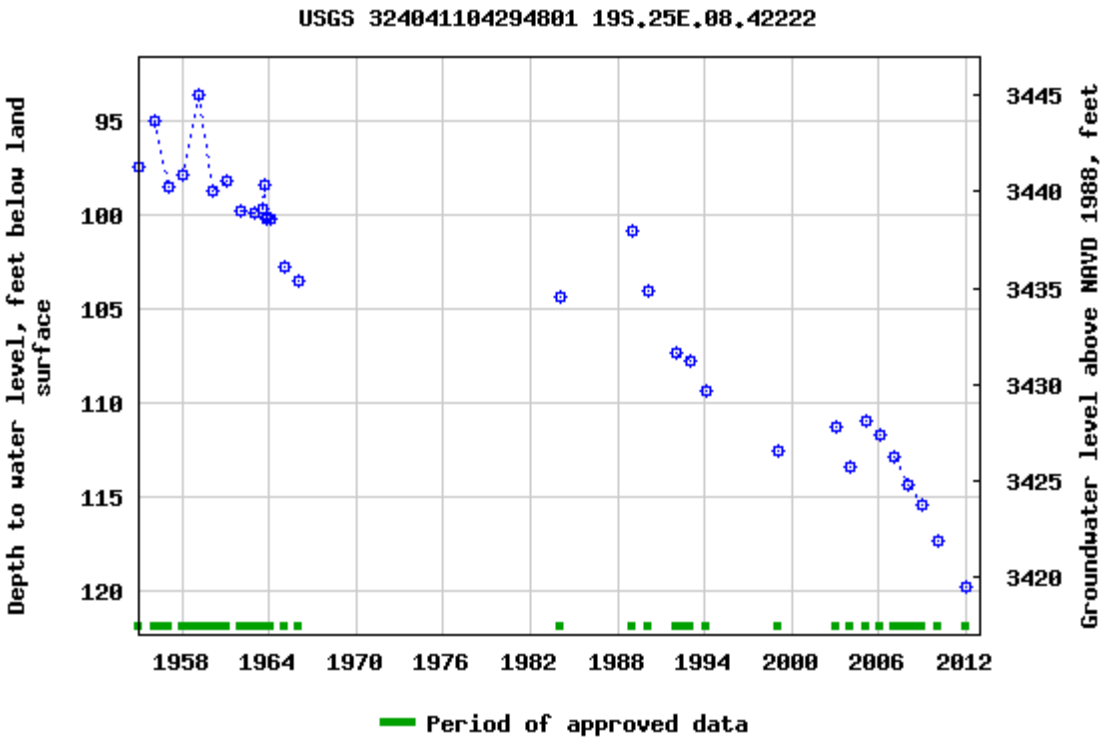
## USGS 324041104294801 19S.25E.08.42222

Available data for this site | Groundwater: Field measurements | GO

Eddy County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°40'41", Longitude 104°29'48" NAD27
Land-surface elevation 3,539 feet above NAVD88
The depth of the well is 142 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.

**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.
Download a presentation-quality graph

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Questions about sites/data?
Feedback on this web site
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# ATTACHMENT 2 – PHOTOGRAPHIC DOCUMENTATION


**PHOTOGRAPH NO. 1 – A view of the assessment activities on June 28, 2022 in the vicinity of test excavation "TH-1A". The view is towards the northwest.**
*(Approximate GPS: 32.689317, -104.522176)*


**PHOTOGRAPH NO. 2 – A view of the assessment activities on June 28, 2022 in the vicinity of test excavation "TH-8A". The view is towards the northwest.**
*(Approximate GPS: 32.689207, -104.522111)*

# ATTACHMENT 3 – LABORATORY ANALYTICAL REPORT

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

July 08, 2022

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

RE: MOBIL CI Battery OrderNo.: 2206G24

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 9 sample(s) on 6/30/2022 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,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

**Analytical Report**
Lab Order **2206G24**
Date Reported: **7/8/2022**

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EOG
**Client Sample ID:** TH-18A/10
**Project:** MOBIL CI Battery
**Collection Date:** 6/28/2022 9:27:00 AM
**Lab ID:** 2206G24-001 **Matrix:** SOIL **Received Date:** 6/30/2022 7:30:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **NAI** | |
| Chloride | 3900 | 150 | | mg/Kg | 50 | 7/5/2022 11:06:31 AM | 68503 |
| **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** | | | | | | Analyst: **TOM** | |
| Diesel Range Organics (DRO) | ND | 15 | | mg/Kg | 1 | 7/1/2022 9:41:56 AM | 68480 |
| Motor Oil Range Organics (MRO) | ND | 49 | | mg/Kg | 1 | 7/1/2022 9:41:56 AM | 68480 |
| Surr: DNOP | 92.4 | 51.1-141 | | %Rec | 1 | 7/1/2022 9:41:56 AM | 68480 |
| **EPA METHOD 8015D: GASOLINE RANGE** | | | | | | Analyst: **BRM** | |
| Gasoline Range Organics (GRO) | ND | 4.7 | | mg/Kg | 1 | 7/1/2022 11:22:00 AM | 68473 |
| Surr: BFB | 108 | 37.7-212 | | %Rec | 1 | 7/1/2022 11:22:00 AM | 68473 |
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **BRM** | |
| Benzene | ND | 0.023 | | mg/Kg | 1 | 7/1/2022 11:22:00 AM | 68473 |
| Toluene | ND | 0.047 | | mg/Kg | 1 | 7/1/2022 11:22:00 AM | 68473 |
| Ethylbenzene | ND | 0.047 | | mg/Kg | 1 | 7/1/2022 11:22:00 AM | 68473 |
| Xylenes, Total | ND | 0.093 | | mg/Kg | 1 | 7/1/2022 11:22:00 AM | 68473 |
| Surr: 4-Bromofluorobenzene | 104 | 70-130 | | %Rec | 1 | 7/1/2022 11:22:00 AM | 68473 |

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 | Estimated value |
| 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 Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of range due to dilution or matrix interference | | |

**Analytical Report**
Lab Order **2206G24**
Date Reported: **7/8/2022**

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EOG
**Client Sample ID:** TH-18A/15
**Project:** MOBIL CI Battery
**Collection Date:** 6/28/2022 9:49:00 AM
**Lab ID:** 2206G24-002 **Matrix:** SOIL **Received Date:** 6/30/2022 7:30:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: | **LRN** |
| Chloride | 2100 | 60 | | mg/Kg | 20 | 7/1/2022 11:22:07 AM | 68503 |
| **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** | | | | | | Analyst: | **TOM** |
| Diesel Range Organics (DRO) | ND | 13 | | mg/Kg | 1 | 7/1/2022 9:56:03 AM | 68480 |
| Motor Oil Range Organics (MRO) | ND | 45 | | mg/Kg | 1 | 7/1/2022 9:56:03 AM | 68480 |
| Surr: DNOP | 89.8 | 51.1-141 | | %Rec | 1 | 7/1/2022 9:56:03 AM | 68480 |
| **EPA METHOD 8015D: GASOLINE RANGE** | | | | | | Analyst: | **BRM** |
| Gasoline Range Organics (GRO) | ND | 4.6 | | mg/Kg | 1 | 7/1/2022 11:42:00 AM | 68473 |
| Surr: BFB | 107 | 37.7-212 | | %Rec | 1 | 7/1/2022 11:42:00 AM | 68473 |
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: | **BRM** |
| Benzene | ND | 0.023 | | mg/Kg | 1 | 7/1/2022 11:42:00 AM | 68473 |
| Toluene | ND | 0.046 | | mg/Kg | 1 | 7/1/2022 11:42:00 AM | 68473 |
| Ethylbenzene | ND | 0.046 | | mg/Kg | 1 | 7/1/2022 11:42:00 AM | 68473 |
| Xylenes, Total | ND | 0.092 | | mg/Kg | 1 | 7/1/2022 11:42:00 AM | 68473 |
| Surr: 4-Bromofluorobenzene | 102 | 70-130 | | %Rec | 1 | 7/1/2022 11:42:00 AM | 68473 |

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 | Estimated value |
| 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 Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of range due to dilution or matrix interference | | |

**Analytical Report**
Lab Order **2206G24**
Date Reported: **7/8/2022**

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EOG
**Client Sample ID:** TH-18A/18
**Project:** MOBIL CI Battery
**Collection Date:** 6/28/2022 10:25:00 AM
**Lab ID:** 2206G24-003 **Matrix:** SOIL **Received Date:** 6/30/2022 7:30:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **LRN** | |
| Chloride | 990 | 60 | | mg/Kg | 20 | 7/1/2022 11:59:20 AM | 68503 |
| **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** | | | | | | Analyst: **TOM** | |
| Diesel Range Organics (DRO) | ND | 14 | | mg/Kg | 1 | 7/1/2022 10:10:12 AM | 68480 |
| Motor Oil Range Organics (MRO) | ND | 46 | | mg/Kg | 1 | 7/1/2022 10:10:12 AM | 68480 |
| Surr: DNOP | 93.0 | 51.1-141 | | %Rec | 1 | 7/1/2022 10:10:12 AM | 68480 |
| **EPA METHOD 8015D: GASOLINE RANGE** | | | | | | Analyst: **BRM** | |
| Gasoline Range Organics (GRO) | ND | 4.8 | | mg/Kg | 1 | 7/1/2022 12:02:00 PM | 68473 |
| Surr: BFB | 101 | 37.7-212 | | %Rec | 1 | 7/1/2022 12:02:00 PM | 68473 |
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **BRM** | |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 7/1/2022 12:02:00 PM | 68473 |
| Toluene | ND | 0.048 | | mg/Kg | 1 | 7/1/2022 12:02:00 PM | 68473 |
| Ethylbenzene | ND | 0.048 | | mg/Kg | 1 | 7/1/2022 12:02:00 PM | 68473 |
| Xylenes, Total | ND | 0.097 | | mg/Kg | 1 | 7/1/2022 12:02:00 PM | 68473 |
| Surr: 4-Bromofluorobenzene | 96.2 | 70-130 | | %Rec | 1 | 7/1/2022 12:02:00 PM | 68473 |

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 | Estimated value |
| 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 Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of range due to dilution or matrix interference | | |

**Analytical Report**
Lab Order **2206G24**
Date Reported: **7/8/2022**

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EOG
**Client Sample ID:** TH-1A/12
**Project:** MOBIL CI Battery
**Collection Date:** 6/28/2022 11:29:00 AM
**Lab ID:** 2206G24-004 **Matrix:** SOIL **Received Date:** 6/30/2022 7:30:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **NAI** | |
| Chloride | 4400 | 150 | | mg/Kg | 50 | 7/5/2022 11:18:55 AM | 68503 |
| **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** | | | | | | Analyst: **TOM** | |
| Diesel Range Organics (DRO) | ND | 15 | | mg/Kg | 1 | 7/1/2022 10:24:25 AM | 68480 |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 7/1/2022 10:24:25 AM | 68480 |
| Surr: DNOP | 90.4 | 51.1-141 | | %Rec | 1 | 7/1/2022 10:24:25 AM | 68480 |
| **EPA METHOD 8015D: GASOLINE RANGE** | | | | | | Analyst: **BRM** | |
| Gasoline Range Organics (GRO) | ND | 4.8 | | mg/Kg | 1 | 7/1/2022 12:21:00 PM | 68473 |
| Surr: BFB | 99.4 | 37.7-212 | | %Rec | 1 | 7/1/2022 12:21:00 PM | 68473 |
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **BRM** | |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 7/1/2022 12:21:00 PM | 68473 |
| Toluene | ND | 0.048 | | mg/Kg | 1 | 7/1/2022 12:21:00 PM | 68473 |
| Ethylbenzene | ND | 0.048 | | mg/Kg | 1 | 7/1/2022 12:21:00 PM | 68473 |
| Xylenes, Total | ND | 0.097 | | mg/Kg | 1 | 7/1/2022 12:21:00 PM | 68473 |
| Surr: 4-Bromofluorobenzene | 94.0 | 70-130 | | %Rec | 1 | 7/1/2022 12:21:00 PM | 68473 |

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 | Estimated value |
| 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 Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of range due to dilution or matrix interference | | |

**Analytical Report**
Lab Order **2206G24**
Date Reported: **7/8/2022**

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EOG
**Client Sample ID:** TH-1A/16
**Project:** MOBIL CI Battery
**Collection Date:** 6/28/2022 11:46:00 AM
**Lab ID:** 2206G24-005 **Matrix:** SOIL **Received Date:** 6/30/2022 7:30:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **NAI** | |
| Chloride | 2600 | 150 | | mg/Kg | 50 | 7/5/2022 11:31:19 AM | 68503 |
| **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** | | | | | | Analyst: **TOM** | |
| Diesel Range Organics (DRO) | ND | 15 | | mg/Kg | 1 | 7/1/2022 10:38:41 AM | 68480 |
| Motor Oil Range Organics (MRO) | ND | 50 | | mg/Kg | 1 | 7/1/2022 10:38:41 AM | 68480 |
| Surr: DNOP | 85.1 | 51.1-141 | | %Rec | 1 | 7/1/2022 10:38:41 AM | 68480 |
| **EPA METHOD 8015D: GASOLINE RANGE** | | | | | | Analyst: **BRM** | |
| Gasoline Range Organics (GRO) | ND | 4.7 | | mg/Kg | 1 | 7/1/2022 12:41:00 PM | 68473 |
| Surr: BFB | 97.1 | 37.7-212 | | %Rec | 1 | 7/1/2022 12:41:00 PM | 68473 |
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: **BRM** | |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 7/1/2022 12:41:00 PM | 68473 |
| Toluene | ND | 0.047 | | mg/Kg | 1 | 7/1/2022 12:41:00 PM | 68473 |
| Ethylbenzene | ND | 0.047 | | mg/Kg | 1 | 7/1/2022 12:41:00 PM | 68473 |
| Xylenes, Total | ND | 0.095 | | mg/Kg | 1 | 7/1/2022 12:41:00 PM | 68473 |
| Surr: 4-Bromofluorobenzene | 92.2 | 70-130 | | %Rec | 1 | 7/1/2022 12:41:00 PM | 68473 |

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 | Estimated value |
| 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 Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of range due to dilution or matrix interference | | |

**Analytical Report**
Lab Order **2206G24**
Date Reported: **7/8/2022**

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EOG
**Client Sample ID:** TH-1A/20
**Project:** MOBIL CI Battery
**Collection Date:** 6/28/2022 11:59:00 AM
**Lab ID:** 2206G24-006 **Matrix:** SOIL **Received Date:** 6/30/2022 7:30:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: | **LRN** |
| Chloride | 610 | 60 | | mg/Kg | 20 | 7/1/2022 1:26:10 PM | 68503 |
| **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** | | | | | | Analyst: | **TOM** |
| Diesel Range Organics (DRO) | ND | 14 | | mg/Kg | 1 | 7/1/2022 10:52:52 AM | 68480 |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 7/1/2022 10:52:52 AM | 68480 |
| Surr: DNOP | 91.2 | 51.1-141 | | %Rec | 1 | 7/1/2022 10:52:52 AM | 68480 |
| **EPA METHOD 8015D: GASOLINE RANGE** | | | | | | Analyst: | **BRM** |
| Gasoline Range Organics (GRO) | ND | 4.8 | | mg/Kg | 1 | 7/1/2022 1:01:00 PM | 68473 |
| Surr: BFB | 93.6 | 37.7-212 | | %Rec | 1 | 7/1/2022 1:01:00 PM | 68473 |
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: | **BRM** |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 7/1/2022 1:01:00 PM | 68473 |
| Toluene | ND | 0.048 | | mg/Kg | 1 | 7/1/2022 1:01:00 PM | 68473 |
| Ethylbenzene | ND | 0.048 | | mg/Kg | 1 | 7/1/2022 1:01:00 PM | 68473 |
| Xylenes, Total | ND | 0.097 | | mg/Kg | 1 | 7/1/2022 1:01:00 PM | 68473 |
| Surr: 4-Bromofluorobenzene | 88.7 | 70-130 | | %Rec | 1 | 7/1/2022 1:01:00 PM | 68473 |

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 | Estimated value |
| 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 Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of range due to dilution or matrix interference | | |

**Analytical Report**
Lab Order **2206G24**
Date Reported: **7/8/2022**

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EOG
**Client Sample ID:** TH-8A/3
**Project:** MOBIL CI Battery
**Collection Date:** 6/28/2022 12:13:00 PM
**Lab ID:** 2206G24-007 **Matrix:** SOIL **Received Date:** 6/30/2022 7:30:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: | **LRN** |
| Chloride | 520 | 60 | | mg/Kg | 20 | 7/1/2022 1:38:35 PM | 68503 |
| **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** | | | | | | Analyst: | **TOM** |
| Diesel Range Organics (DRO) | 5100 | 1300 | | mg/Kg | 100 | 7/1/2022 11:06:52 AM | 68480 |
| Motor Oil Range Organics (MRO) | 8400 | 4500 | | mg/Kg | 100 | 7/1/2022 11:06:52 AM | 68480 |
| Surr: DNOP | 0 | 51.1-141 | S | %Rec | 100 | 7/1/2022 11:06:52 AM | 68480 |
| **EPA METHOD 8015D: GASOLINE RANGE** | | | | | | Analyst: | **BRM** |
| Gasoline Range Organics (GRO) | ND | 4.7 | | mg/Kg | 1 | 7/1/2022 1:20:00 PM | 68473 |
| Surr: BFB | 95.2 | 37.7-212 | | %Rec | 1 | 7/1/2022 1:20:00 PM | 68473 |
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: | **BRM** |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 7/1/2022 1:20:00 PM | 68473 |
| Toluene | ND | 0.047 | | mg/Kg | 1 | 7/1/2022 1:20:00 PM | 68473 |
| Ethylbenzene | ND | 0.047 | | mg/Kg | 1 | 7/1/2022 1:20:00 PM | 68473 |
| Xylenes, Total | ND | 0.095 | | mg/Kg | 1 | 7/1/2022 1:20:00 PM | 68473 |
| Surr: 4-Bromofluorobenzene | 88.9 | 70-130 | | %Rec | 1 | 7/1/2022 1:20:00 PM | 68473 |

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 | Estimated value |
| 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 Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of range due to dilution or matrix interference | | |

**Analytical Report**
Lab Order **2206G24**
Date Reported: **7/8/2022**

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EOG
**Client Sample ID:** TH-8A/9
**Project:** MOBIL CI Battery
**Collection Date:** 6/28/2022 1:23:00 PM
**Lab ID:** 2206G24-008 **Matrix:** SOIL **Received Date:** 6/30/2022 7:30:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: | **LRN** |
| Chloride | 1900 | 60 | | mg/Kg | 20 | 7/1/2022 1:50:59 PM | 68503 |
| **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** | | | | | | Analyst: | **TOM** |
| Diesel Range Organics (DRO) | 260 | 140 | | mg/Kg | 10 | 7/1/2022 11:35:19 AM | 68480 |
| Motor Oil Range Organics (MRO) | 550 | 480 | | mg/Kg | 10 | 7/1/2022 11:35:19 AM | 68480 |
| Surr: DNOP | 0 | 51.1-141 | S | %Rec | 10 | 7/1/2022 11:35:19 AM | 68480 |
| **EPA METHOD 8015D: GASOLINE RANGE** | | | | | | Analyst: | **BRM** |
| Gasoline Range Organics (GRO) | ND | 4.7 | | mg/Kg | 1 | 7/1/2022 1:40:00 PM | 68473 |
| Surr: BFB | 90.4 | 37.7-212 | | %Rec | 1 | 7/1/2022 1:40:00 PM | 68473 |
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: | **BRM** |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 7/1/2022 1:40:00 PM | 68473 |
| Toluene | ND | 0.047 | | mg/Kg | 1 | 7/1/2022 1:40:00 PM | 68473 |
| Ethylbenzene | ND | 0.047 | | mg/Kg | 1 | 7/1/2022 1:40:00 PM | 68473 |
| Xylenes, Total | ND | 0.094 | | mg/Kg | 1 | 7/1/2022 1:40:00 PM | 68473 |
| Surr: 4-Bromofluorobenzene | 86.6 | 70-130 | | %Rec | 1 | 7/1/2022 1:40:00 PM | 68473 |

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 | Estimated value |
| 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 Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of range due to dilution or matrix interference | | |

**Analytical Report**
Lab Order **2206G24**
Date Reported: **7/8/2022**

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EOG **Client Sample ID:** TH-8A/14
**Project:** MOBIL CI Battery **Collection Date:** 6/28/2022 1:49:00 PM
**Lab ID:** 2206G24-009 **Matrix:** SOIL **Received Date:** 6/30/2022 7:30:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: | **LRN** |
| Chloride | 940 | 60 | | mg/Kg | 20 | 7/1/2022 2:03:24 PM | 68503 |
| **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** | | | | | | Analyst: | **TOM** |
| Diesel Range Organics (DRO) | 640 | 140 | | mg/Kg | 10 | 7/1/2022 12:04:09 PM | 68480 |
| Motor Oil Range Organics (MRO) | 900 | 460 | | mg/Kg | 10 | 7/1/2022 12:04:09 PM | 68480 |
| Surr: DNOP | 0 | 51.1-141 | S | %Rec | 10 | 7/1/2022 12:04:09 PM | 68480 |
| **EPA METHOD 8015D: GASOLINE RANGE** | | | | | | Analyst: | **BRM** |
| Gasoline Range Organics (GRO) | ND | 4.6 | | mg/Kg | 1 | 7/1/2022 2:00:00 PM | 68473 |
| Surr: BFB | 93.0 | 37.7-212 | | %Rec | 1 | 7/1/2022 2:00:00 PM | 68473 |
| **EPA METHOD 8021B: VOLATILES** | | | | | | Analyst: | **BRM** |
| Benzene | ND | 0.023 | | mg/Kg | 1 | 7/1/2022 2:00:00 PM | 68473 |
| Toluene | ND | 0.046 | | mg/Kg | 1 | 7/1/2022 2:00:00 PM | 68473 |
| Ethylbenzene | ND | 0.046 | | mg/Kg | 1 | 7/1/2022 2:00:00 PM | 68473 |
| Xylenes, Total | ND | 0.092 | | mg/Kg | 1 | 7/1/2022 2:00:00 PM | 68473 |
| Surr: 4-Bromofluorobenzene | 85.0 | 70-130 | | %Rec | 1 | 7/1/2022 2:00:00 PM | 68473 |

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 | Estimated value |
| 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 Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of range due to dilution or matrix interference | | |

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

WO#: **2206G24**
***08-Jul-22***

**Client:** EOG
**Project:** MOBIL CI Battery

| Sample ID: **MB-68503** | SampType: **mblk** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **PBS** | Batch ID: **68503** | RunNo: **89225** |
| Prep Date: **7/1/2022** | Analysis Date: **7/1/2022** | SeqNo: **3171931** Units: **mg/Kg** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | 1.5 | | | | | | | | |

| Sample ID: **LCS-68503** | SampType: **lcs** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **LCSS** | Batch ID: **68503** | RunNo: **89225** |
| Prep Date: **7/1/2022** | Analysis Date: **7/1/2022** | SeqNo: **3171932** Units: **mg/Kg** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 14 | 1.5 | 15.00 | 0 | 94.8 | 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 Quanitative Limit |
| S | % Recovery outside of range due to dilution or matrix interference |
| B | Analyte detected in the associated Method Blank |
| E | Estimated value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

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

WO#: **2206G24**
***08-Jul-22***

**Client:** EOG
**Project:** MOBIL CI Battery

| Sample ID: **MB-68480** | SampType: **MBLK** | TestCode: **EPA Method 8015M/D: Diesel Range Organics** |
|---|---|---|
| Client ID: **PBS** | Batch ID: **68480** | RunNo: **89166** |
| Prep Date: **6/30/2022** | Analysis Date: **7/1/2022** | SeqNo: **3169441** Units: **mg/Kg** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Diesel Range Organics (DRO) | ND | 15 | | | | | | | | |
| Motor Oil Range Organics (MRO) | ND | 50 | | | | | | | | |
| Surr: DNOP | 9.3 | | 10.00 | | 92.5 | 51.1 | 141 | | | |

| Sample ID: **LCS-68480** | SampType: **LCS** | TestCode: **EPA Method 8015M/D: Diesel Range Organics** |
|---|---|---|
| Client ID: **LCSS** | Batch ID: **68480** | RunNo: **89166** |
| Prep Date: **6/30/2022** | Analysis Date: **7/1/2022** | SeqNo: **3169607** Units: **mg/Kg** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Diesel Range Organics (DRO) | 46 | 15 | 50.00 | 0 | 91.2 | 64.4 | 127 | | | |
| Surr: DNOP | 4.7 | | 5.000 | | 94.2 | 51.1 | 141 | | | |

**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 Quanitative Limit |
| S | % Recovery outside of range due to dilution or matrix interference |
| B | Analyte detected in the associated Method Blank |
| E | Estimated value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2206G24**

***08-Jul-22***

**Client:** EOG

**Project:** MOBIL CI Battery

| Sample ID: **lcs-68473** | SampType: **LCS** | TestCode: **EPA Method 8015D: Gasoline Range** |
|---|---|---|
| Client ID: **LCSS** | Batch ID: **68473** | RunNo: **89189** |
| Prep Date: **6/30/2022** | Analysis Date: **7/1/2022** | SeqNo: **3170402** 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 | 98.4 | 72.3 | 137 | | | |
| Surr: BFB | 2200 | | 1000 | | 218 | 37.7 | 212 | | | S |

| Sample ID: **mb-68473** | SampType: **MBLK** | TestCode: **EPA Method 8015D: Gasoline Range** |
|---|---|---|
| Client ID: **PBS** | Batch ID: **68473** | RunNo: **89189** |
| Prep Date: **6/30/2022** | Analysis Date: **7/1/2022** | SeqNo: **3170403** 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 | 1200 | | 1000 | | 115 | 37.7 | 212 | | | |

| Sample ID: **lcs-68478** | SampType: **LCS** | TestCode: **EPA Method 8015D: Gasoline Range** |
|---|---|---|
| Client ID: **LCSS** | Batch ID: **68478** | RunNo: **89189** |
| Prep Date: **6/30/2022** | Analysis Date: **7/1/2022** | SeqNo: **3170829** Units: **%Rec** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Surr: BFB | 1900 | | 1000 | | 194 | 37.7 | 212 | | | |

| Sample ID: **mb-68478** | SampType: **MBLK** | TestCode: **EPA Method 8015D: Gasoline Range** |
|---|---|---|
| Client ID: **PBS** | Batch ID: **68478** | RunNo: **89189** |
| Prep Date: **6/30/2022** | Analysis Date: **7/1/2022** | SeqNo: **3170830** Units: **%Rec** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Surr: BFB | 920 | | 1000 | | 91.6 | 37.7 | 212 | | | |

**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 Quanitative Limit |
| S | % Recovery outside of range due to dilution or matrix interference |
| B | Analyte detected in the associated Method Blank |
| E | Estimated value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2206G24**

***08-Jul-22***

**Client:** EOG

**Project:** MOBIL CI Battery

Sample ID: **lcs-68473** SampType: **LCS** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **LCSS** Batch ID: **68473** RunNo: **89189**

Prep Date: **6/30/2022** Analysis Date: **7/1/2022** SeqNo: **3170414** Units: **mg/Kg**

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | 0.94 | 0.025 | 1.000 | 0 | 94.5 | 80 | 120 | | | |
| Toluene | 0.96 | 0.050 | 1.000 | 0 | 95.9 | 80 | 120 | | | |
| Ethylbenzene | 0.94 | 0.050 | 1.000 | 0 | 94.1 | 80 | 120 | | | |
| Xylenes, Total | 2.8 | 0.10 | 3.000 | 0 | 93.0 | 80 | 120 | | | |
| Surr: 4-Bromofluorobenzene | 1.1 | | 1.000 | | 110 | 70 | 130 | | | |

Sample ID: **mb-68473** SampType: **MBLK** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **PBS** Batch ID: **68473** RunNo: **89189**

Prep Date: **6/30/2022** Analysis Date: **7/1/2022** SeqNo: **3170415** 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 | 1.1 | | 1.000 | | 108 | 70 | 130 | | | |

Sample ID: **lcs-68478** SampType: **LCS** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **LCSS** Batch ID: **68478** RunNo: **89189**

Prep Date: **6/30/2022** Analysis Date: **7/1/2022** SeqNo: **3170853** Units: **%Rec**

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Surr: 4-Bromofluorobenzene | 0.91 | | 1.000 | | 90.8 | 70 | 130 | | | |

Sample ID: **mb-68478** SampType: **MBLK** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **PBS** Batch ID: **68478** RunNo: **89189**

Prep Date: **6/30/2022** Analysis Date: **7/1/2022** SeqNo: **3170854** Units: **%Rec**

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Surr: 4-Bromofluorobenzene | 0.88 | | 1.000 | | 88.2 | 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 Quanitative Limit |
| S | % Recovery outside of range due to dilution or matrix interference |
| B | Analyte detected in the associated Method Blank |
| E | Estimated value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

# Sample Log-In Check List

Client Name: EOG | Work Order Number: 2206G24 | RcptNo: 1

Received By: **Juan Rojas** 6/30/2022 7:30:00 AM

Completed By: **Sean Livingston** 6/30/2022 8:27:22 AM

Reviewed By: JR 6/30/22

## 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° 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: JR 6/30/22

## 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 °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|---|---|---|---|---|---|---|
| 1 | 0.3 | Good | | | | |

# Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.

Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210

Ranger: PO Box 201179, Austin TX 78720

Phone #: 521-335-1785

email or Fax#: Will@RangerEnv.com

QA/QC Package:
■ **Standard** ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
■ **NELAC** ☐ Other
■ **EDD** (Type) Excel

Turn-Around Time:
☐ Standard ☒ **Rush** 24-hr

Project Name: MOBIL CI Battery

Project #: 5375

Project Manager: W. Kierdorf

Sampler: J. Martinez / W. Kennedy

On Ice: ☐ Yes ☐ No

# of Coolers: 2 1 @ 6/30/22

Cooler Temp (including CF): 0.3-0=0.3

**HALL ENVIRONMENTAL ANALYSIS LABORATORY**
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. 2206L124 | BTEX (8021) | TPH:8015D(GRO / DRO / MRO) | Chloride (EPA 300) |
|---|---|---|---|---|---|---|---|---|---|
| 6-28-22 | 0927 | soil | TH-18A/10 | | | 001 | X | X | X |
| | 0949 | | TH-18A/15 | | | 002 | | | |
| | 1025 | | TH-18A/18 | | | 003 | | | |
| | 1129 | | TH-1A/12 | | | 004 | | | |
| | 1146 | | TH-1A/16 | | | 005 | | | |
| | 1159 | | TH-1A/20 | | | 006 | | | |
| | 1213 | | TH-8A/3 | | | 007 | | | |
| | 1323 | | TH8A/9 | | | 008 | | | |
| ↓ | 1349 | ↓ | TH-8A/14 | | | 009 | ↓ | ↓ | ↓ |

| Date | Time | Relinquished by: | Received by: | Via: | Date | Time |
|---|---|---|---|---|---|---|
| 6/29/22 | 940 | J. Martinez | | | 6/29/22 | 940 |
| 6/29/22 | 1900 | | | Courier | 6/30/22 | 7:30 |

Remarks: Bill to EOG Artesia

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 repo

# 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**

# ATTACHMENT 5 – NMOCD Correspondence

**From:** OCDOnline@state.nm.us <OCDOnline@state.nm.us>
**Sent:** Thursday, March 31, 2022 2:36 PM
**To:** Tina Huerta <Tina_Huerta@eogresources.com>
**Subject:** The Oil Conservation Division (OCD) has approved the application, Application ID: 91281



To whom it may concern (c/o Tina Huerta for EOG RESOURCES INC),

The OCD has approved the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2127232527, with the following conditions:

- **OCD accepts Characterization Report. TH-1 and TH-8 not vertically delineated. If not completed already, OCD suggests placing soil boring for groundwater determination between TH-1 and TH-8 to complete vertical delineation.**

The signed C-141 can be found in the OCD Online: Imaging under the incident ID (n#).

If you have any questions regarding this application, please contact me.

Thank you,
Jennifer Nobui
Environmental Specialist-Advanced
505-476-3441
Jennifer.Nobui@state.nm.us

**New Mexico Energy, Minerals and Natural Resources Department**
1220 South St. Francis Drive
Santa Fe, NM 87505

**From:** Tina Huerta <Tina_Huerta@eogresources.com>
**Sent:** Thursday, June 23, 2022 7:20 AM
**To:** Ian & Cheryl <ahowell@pvtn.net>; Austin Weyant <austin@atkinseng.com>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>
**Cc:** Andrea Felix <Andrea_Felix@eogresources.com>; Katie Jamison <Katie_Jamison@eogresources.com>; Michael Yemm <Michael_Yemm@eogresources.com>; BODEE EUDY <BODEE_EUDY@eogresources.com>
**Subject:** [EXTERNAL] Mobil CI Battery (nAPP2127232527) Sampling Notification

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good Morning,

EOG Resources, Inc. respectfully submits notification of sampling to be conducted at the below location.

Mobil CI Battery
J-6-19S-25E
Eddy County, NM
nAPP2127232527

Sampling will begin at 7:00 a.m. on Tuesday, June 28, 2022.

Thank you,

*Tina Huerta*
*Regulatory Specialist*
*Direct: 575.748.4168*
*Cell: 575.703.3121*
*Email:* tina_huerta@eogresources.com

eog resources
Artesia Division

**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 125221

## CONDITIONS

| | |
|---|---|
| Operator:<br>EOG RESOURCES INC<br>P.O. Box 2267<br>Midland, TX 79702 | OGRID:<br>7377 |
| | Action Number:<br>125221 |
| | Action Type:<br>[C-141] Release Corrective Action (C-141) |

**CONDITIONS**

| Created By | Condition | Condition Date |
|---|---|---|
| jnobui | Remediation Plan Approved. | 7/19/2022 |