



**SITE ASSESSMENT/CHARACTERIZATION UPDATE AND  
PROPOSED REMEDIATION PLAN**

**STATE CO SWD SYSTEM (CATCLAW/HUISACHE BATTERY)  
UNIT H, SECTION 2, TOWNSHIP 20S, RANGE 24E  
EDDY COUNTY, NEW MEXICO  
32.60527, -104.55187  
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 5, 2022**

A blue ink signature of Patrick K. Finn, consisting of a stylized 'P' followed by a series of loops and a horizontal line.

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

A blue ink signature of William Kierdorf, featuring a stylized 'W' followed by several horizontal strokes.

**William Kierdorf, REM  
Project Manager**

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- Area Map
- Assessment Sample Location Map
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- Soil BTEX (EPA 8260), TPH (EPA 8015) & Chloride (EPA 300) Analytical Data

**ATTACHMENTS**

- Attachment 1 – Soil Boring Log
- Attachment 2 – Photographic Documentation
- Attachment 3 – Laboratory Analytical Report
- Attachment 4 – NMOCD Correspondence



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## **1.0 SITE LOCATION AND BACKGROUND**

The State CO SWD System (Catclaw/Huisache Battery – “Site”) is located on state land, approximately 18.6 miles southwest of Artesia, within Eddy County, New Mexico. The Site is situated in Unit H, Section 2, T20S-R24E at GPS coordinates 32.60527, -104.55187. On July 26, 2021, a release was discovered along a produced water transfer line near a valve box immediately north of the Catclaw/Huisache tank battery.

Upon discovery, EOG Resources, Inc. (EOG) took immediate action to stop the release and initiate fluid recovery efforts. Earthen berms were constructed to contain the released fluids, and approximately 120 barrels (bbls) of released produced water were recovered. Upon recovery of all available fluids, soil removal operations were initiated.

Based on the nature of the line, the release was limited to produced water; however, the total release volume is currently unknown. Based on the recovered volume (greater than 25 bbls), the incident was reported to the New Mexico Oil Conservation Division (NMOCD) within the required timeframe (NMOCD Incident # nAPP2120958120).

EOG subsequently engaged Ranger Environmental Services, Inc. (Ranger) to assist in the assessment and remediation of the release. In August 2021, Ranger completed site assessment activities to determine the extent of the site impacts. Based on the completed assessment activities Ranger prepared a *Site Assessment/Characterization and Proposed Remediation Plan*, dated January 19, 2022. The plan included details of the site assessment activities completed at the site, provided the available site characterization details for the site, proposed additional site assessment/site characterization confirmation activities, and proposed a remediation strategy to address impacts at the Site. The following report has been completed to provide details of the completed site characterization and assessment activities and to propose an alternative remediation strategy for the Site.

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

## 2.0 SITE CHARACTERIZATION UPDATE

### 2.1 Karst Survey Update

As proposed in the *Site Assessment/Characterization and Proposed Remediation Plan*, dated January 19, 2022, an environmental Karst survey was completed at the Site. In February 2022, representatives of Southwest Geophysical Consulting, LLC., conducted the environmental Karst survey in the vicinity of the Site. The findings of the survey confirmed that the subject site is located in an area of “high” karst potential.

### 2.2 Depth-to-Groundwater Update

As detailed in Ranger’s January 19, 2022 “*Site Assessment/Characterization and Proposed Remediation Plan*,” depth-to-groundwater information deemed acceptable by the NMOCD (<25 years old and within a half-mile of the Site) is not available. Based on the lack of acceptable information, proposed depth-to-groundwater investigation activities were included in Ranger’s January 19, 2022 report. However, due to the confirmation that the Site is located in an area of “high” karst potential, the utilization of recent depth-to-groundwater information would not alter the required NMAC 19.15.29.12 Table 1 Closure Criteria for the Site. Based on this, the decision was made to not proceed with the originally proposed depth-to-groundwater investigation activities.

Based on the available water well depth to groundwater data for the area outside of the 0.5-mile search radius, the depth to groundwater in the vicinity of the site appears to be greater than 100’ below ground surface (bgs). However, it is recognized that this data is not acceptable per NMOCD standards for site characterization purposes.

Copies of the reviewed depth-to-groundwater information were included in the January 19, 2022, *Site Assessment/Characterization and Proposed Remediation Plan*.

## 3.0 ADDITIONAL SITE ASSESSMENT

### 3.1 Soil Boring Vertical Impact Assessment

Due to the lack of acceptable depth-to-groundwater information for the Site, soil boring delineation activities were completed in order to delineate the vertical extent of chloride concentrations to within 600 parts-per-million (mg/Kg). On May 24, 2022, Ranger personnel and representatives of the drilling contractor HCI mobilized to the Site to complete soil boring activities for the purpose of soil sampling.

Utilizing air rotary drilling techniques, soil boring “BH-1” was completed to a depth of approximately 50 feet below ground surface (bgs). During the installation process, soil samples were continuously collected and monitored, and each soil sample was inspected and described by the on-site Ranger personnel. The soils were monitored with an OVM and a field chloride titration kit. The lithologic descriptions and OVM readings are presented on the attached soil boring logs.

The boring was installed in the immediate vicinity of the previously sampled “NW” location, noted to contain the highest documented chloride concentration at depth from the site (6,800 ppm Cl at



23 feet bgs). During the drilling process, elevated (>600 ppm) field chloride readings were encountered to a depth of approximately 45 feet bgs. No elevated OVM readings indicating hydrocarbon impacts were encountered. To confirm the field readings, a total of five soil samples were collected for laboratory analysis from various depths of the soil boring.

Upon collection, the soil samples selected for laboratory analysis were submitted to Hall Environmental in Albuquerque, New Mexico for analysis of total petroleum hydrocarbons (TPH) using EPA Method 8015; benzene, toluene, ethylbenzene and xylenes (BTEX) using EPA Method 8021; and, total chloride using EPA Method 300. The samples were collected and managed using standard QA/QC and chain-of-custody procedures.

### **3.2 Sample Results**

Upon review of the laboratory analytical results, the samples collected during the May 24, 2021 sampling activities were successful in delineating the vertical extent of chloride concentrations to within 600 ppm. No elevated soil chloride concentrations were documented at or below 40 feet bgs. All BTEX and TPH results were nondetectable.

A comprehensive table summarizing the soil sample analytical results is attached. A copy of the laboratory analytical report for the samples collected during the May 2022 soil boring activities is attached.

## **4.0 PROPOSED REMEDIATION PLAN**

### **4.1 Variance Request and Proposed Closure Criteria**

Based on the completed site characterization which confirmed that the subject site is located in an area of "high" karst potential, remediation is required to the most stringent NMAC 19.15.29.12 Table 1 closure criteria (DTGW  $\leq$  50'). However, based on the observed site conditions and soil delineation results, EOG respectfully requests a variance to NMAC 19.15.29.12 to allow for limited soil removal operations and utilization of a 20-mil synthetic liner. The proposed remediation plan includes provisions for the removal of impacted soils to a proposed depth of six feet bgs (and to boundaries which extend beyond the impacted area), and the installation of a synthetic liner to limit any vertical migration of chloride impacts.

The proposed remedial activities are expected to provide equivalent protection to fresh water, public health and the environment as would occur if the soils were fully excavated. The proposed limited removal operations will also reduce safety risks associated with deep soil excavation activities, and environmental impacts associated with the removal equipment operations, trucking, and disposal of excavated soils. As additional justification for the variance request, Ranger notes that the available depth-to-groundwater data indicates that the depth to groundwater in the vicinity of the site is most likely greater than 100' below ground surface (bgs), and no impacts were documented at the site in excess of the NMAC 19.15.29.12 (DTGW >100') criteria. Additionally, the vertical delineation soil boring documented that the site soil impacts do not extend beyond 40 feet in depth.

In order to confirm that the proposed remedial activities are completed to appropriate horizontal boundaries, it is proposed to bring the excavation side walls (surface to six foot bgs interval) into attainment of the Restoration, Reclamation and Re-Vegetation criteria detailed in 19.15.29.13 NMAC. Grab samples will be collected from the excavation base to document the remaining soil



conditions at a depth of six feet bgs prior to the liner placement. The proposed closure criteria are detailed below:

REGULATORY STANDARD	CHLORIDE	TPH (GRO+DRO +MRO)	TPH (GRO+DRO)	BTEX	BENZENE
19.15.29.12 NMAC Table 1 Closure Criteria for Soils Impacted by a Release (GW $\leq$ 50')	600	100	---	50	10
19.15.29.13 NMAC Restoration, Reclamation and Re-Vegetation (Soils 0'-4')	600	100 <sup>1</sup>	---	50 <sup>1</sup>	10 <sup>1</sup>

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

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

#### **4.2 Soil Excavation and Confirmation Sampling**

To address the remaining elevated soil chloride concentrations in the surface to six-foot depth interval, soil removal operations are proposed. Within the currently excavated area, soil removal will be completed to ensure that all areas are excavated to a minimum depth of approximately six feet bgs. Excavation will also be completed to a depth of approximately six feet bgs to anticipated boundaries as determined by the previously completed horizontal delineation activities.

Upon completion of the excavation to the anticipated remedial boundaries, and to confirm the excavation side walls are in attainment of the proposed Restoration, Reclamation and Re-Vegetation criteria, it is proposed to collect cleanup confirmation soil samples from the excavation walls in accordance with NMAC 19.15.29.12(D), as five-part composite samples with each sample representing no more than 200 square feet. To document the remaining soil conditions in the excavation base prior to placement of the proposed liner, a total of 18 grab soil samples are proposed to be collected from various locations within the excavation base. A *Proposed Confirmation Sample Location Map* depicting the proposed grab sample locations is attached. The cleanup confirmation soil samples will be collected using standard QA/QC procedures, placed into laboratory-supplied containers, and will be immediately placed into a sample shuttle containing ice. The samples will be transported to an approved laboratory for analysis of TPH, BTEX, and total chloride using the aforementioned analytical methods.

In the event that the initial cleanup confirmation soil sample results for the excavation sidewalls indicate that soil chemical of concern (COC) concentrations remain in exceedance of the proposed Table 1 Criteria, additional horizontal 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 excavation sidewalls (to a depth of six feet bgs) have attained the proposed Table 1 Criteria.

#### **4.3 Protective Excavation and Liner Installation**

Upon confirmation that excavation has been completed to concentrations within the proposed Table 1 Criteria additional protective horizontal soil removal operations will be completed. Removal operations will be completed an additional 10 feet from the boundaries, identified to be within the proposed criteria, to assist in prohibiting the migration of rainwater into the impacted area. Subsequently, a 20 mil synthetic liner will be installed along the entirety of the excavation base area, including the additional 10 foot protective excavation area.

Upon completion the final extent of the excavation area is anticipated to be primarily rectangular in shape and is anticipated to have maximum dimensions of approximately 162 feet wide by 123 feet long. A site map depicting the proposed excavation areas is attached.

Based on the proposed excavation boundaries and depths it is anticipated that an additional total of approximately 3,900 cubic yards of soil will be excavated and disposed. It should be noted that an estimated approximate 1,250 cubic yards of soil have already been removed from the Site. The excavated material will be transported off-site for disposal at an approved disposal facility.

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

Upon completion of the proposed soil removal activities and liner installation, the excavated area will be backfilled with clean fill material. Caliche will be utilized to backfill the two-to-six-foot bgs depth interval, and the remaining surface-to-two-foot bgs depth interval will be backfilled with topsoil. The area will then be re-vegetated with the Loamy Sites Seed Mixture in accordance with State Land Office guidelines.

#### **4.5 Remediation Schedule**

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

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

### **5.0 SITE CLOSURE**

Upon completion of the remedial excavation, liner installation 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).



FORMS C-141

(ORIGINAL RELEASE NOTIFICATION SECTION  
AND UPDATED SITE  
ASSESSMENT/CHARACTERIZATION AND  
REMEDATION PLAN SECTIONS)



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	nAPP2120958120
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

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

### Location of Release Source

Latitude 32.60527 Longitude -104.55187  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name State CO SWD System (Catclaw/Huisache Battery)	Site Type Pipeline
Date Release Discovered 7/26/2021	API# (if applicable)

Unit Letter	Section	Township	Range	County
H	2	20	24	Eddy

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☐ Private (Name: \_\_\_\_\_)

### Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) Unknown	Volume Recovered (bbls) 120
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)


Cause of Release There was a failure of a produced water transfer line that caused a release of an unknown amount of produced water near a valve box.

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Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? <b>Greater than 25 barrels of fluid was released.</b>
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? <b>Yes, by Andrea Felix, to: Bradford Billings, Jim Griswold, Mark Naranjo, and Ryan Mann, at 9:35 p.m. by way of email.</b>	

### Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:          	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Chase Settle</u>	Title: <u>Rep Safety &amp; Environmental Sr</u>
Signature: <u></u>	Date: <u>07/28/2021</u>
email: <u>Chase_Settle@eogresources.com</u>	Telephone: <u>575-748-1471</u>
<b><u>OCD Only</u></b>	
Received by: <u>Ramona Marcus</u>	Date: <u>8/1/2021</u>

Incident ID	
District RP	
Facility ID	
Application ID	

## Site Assessment/Characterization

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

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

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

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

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

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

State of New Mexico  
Oil Conservation Division

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

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Incident ID	
District RP	
Facility ID	
Application ID	

## Remediation Plan

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

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

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

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

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

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

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

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Incident ID	
District RP	
Facility ID	
Application ID	

## Closure

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

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

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

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

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

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

Closure Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS  
  
Action 38844

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 38844
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
marcus	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141	8/1/2021



Incident ID	nAPP2120958120
District RP	
Facility ID	
Application ID	

## Site Assessment/Characterization

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

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

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

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

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

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

State of New Mexico  
Oil Conservation Division

Page 4

Incident ID	nAPP2120958120
District RP	
Facility ID	
Application ID	

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

Printed Name: Chase Settle Title: Rep Safety & Environmental Sr  
Signature: Chase Settle Date: 07/13/2022  
email: Chase\_Settle@eogresources.com Telephone: 575-748-1471

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Incident ID	nAPP2120958120
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\*  
*\*EOG Resources, Inc. respectfully requests a variance to 19.15.29.12(C)(4)(G) NMAC. A variance request in accordance with 19.15.29.14 NMAC is included in the attached proposal.*
- ☒ 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**

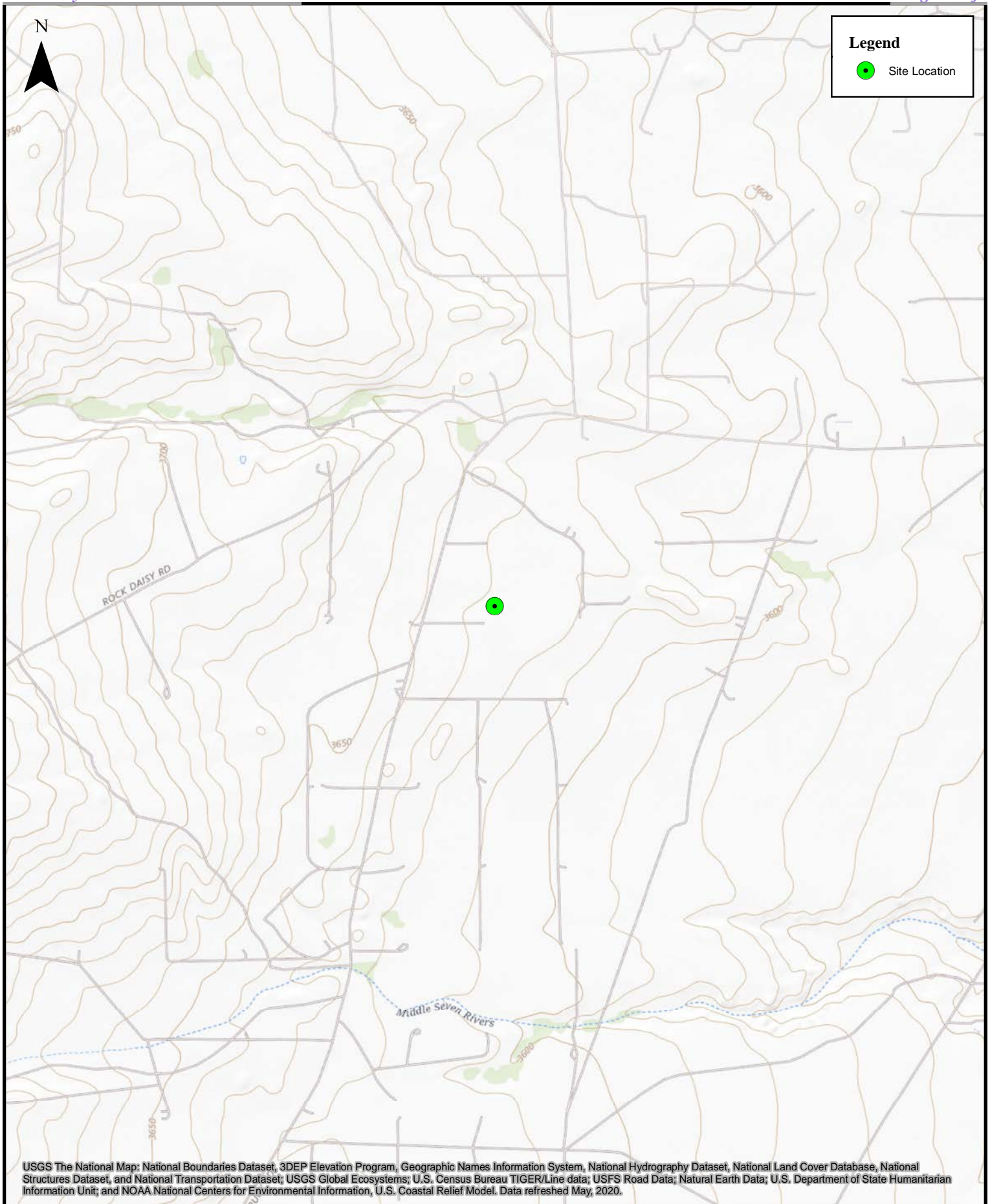
Received by: \_\_\_\_\_ Date: \_\_\_\_\_

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

Signature: Jennifer Nobui Date: 07/19/2022

## FIGURES

Topographic Map  
Area Map  
Assessment Sample Location Map  
Proposed Remediation Area Map  
Proposed Confirmation Sample Location Map



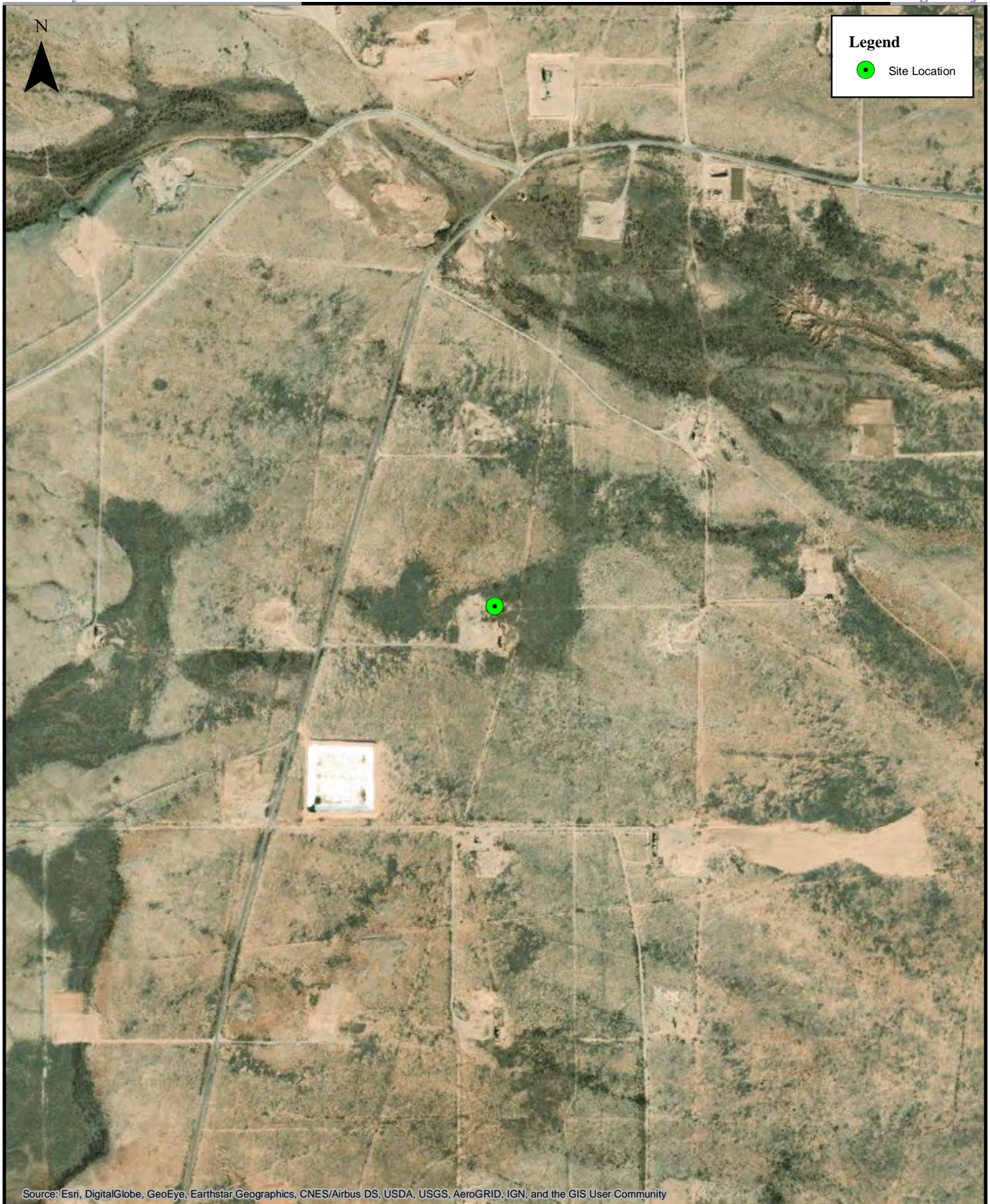
0 600 1,200 2,400 3,600 4,800 Feet

1:24,000

### Topographic Map

State CO SWD System (Catclaw/Huisache Battery)  
EOG Resources, Inc.

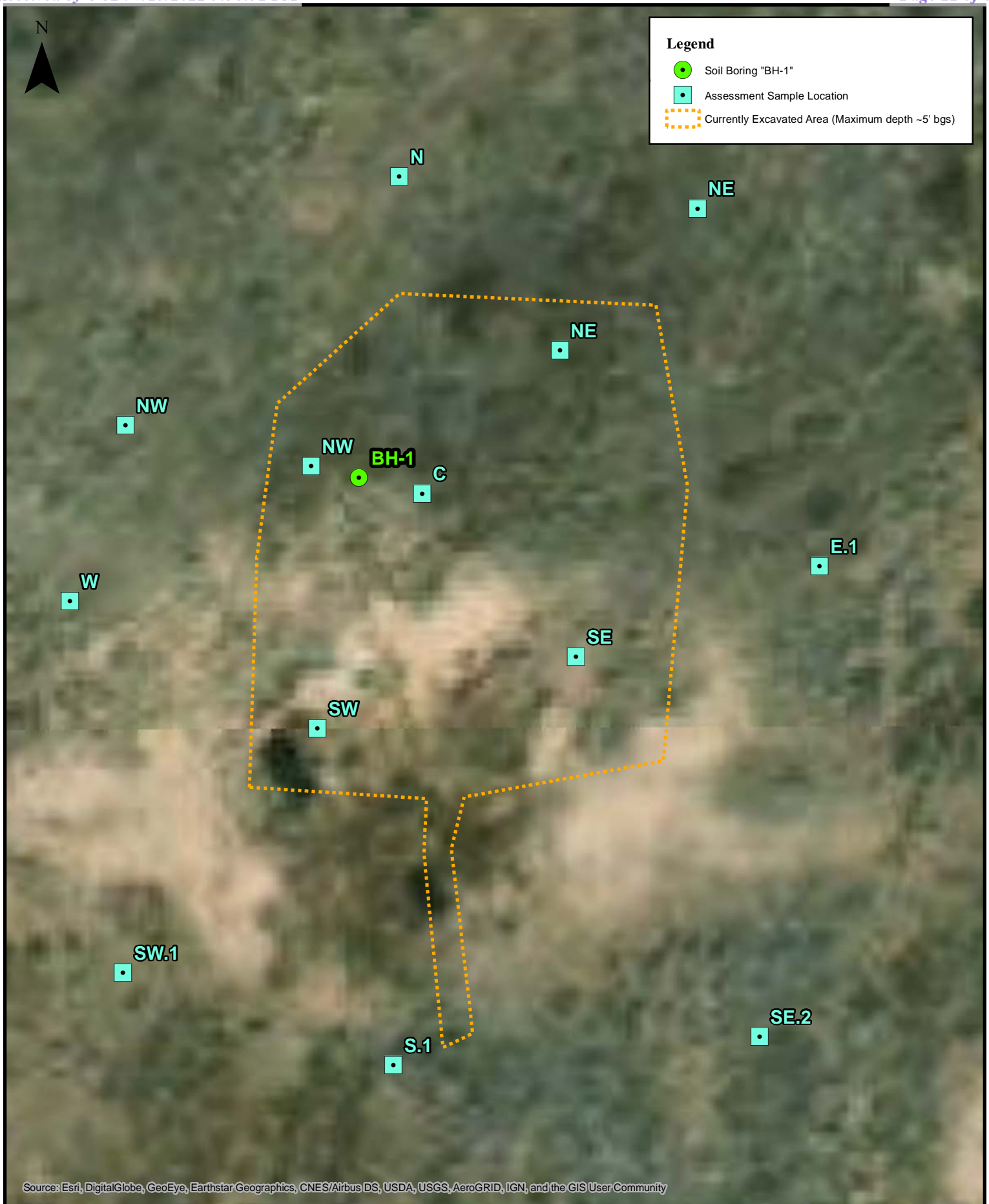




0 250 500 1,000 1,500 2,000 Feet  
1:10,000

**Area Map**  
State CO SWD System (Catclaw/Huisache Battery)  
EOG Resources, Inc.

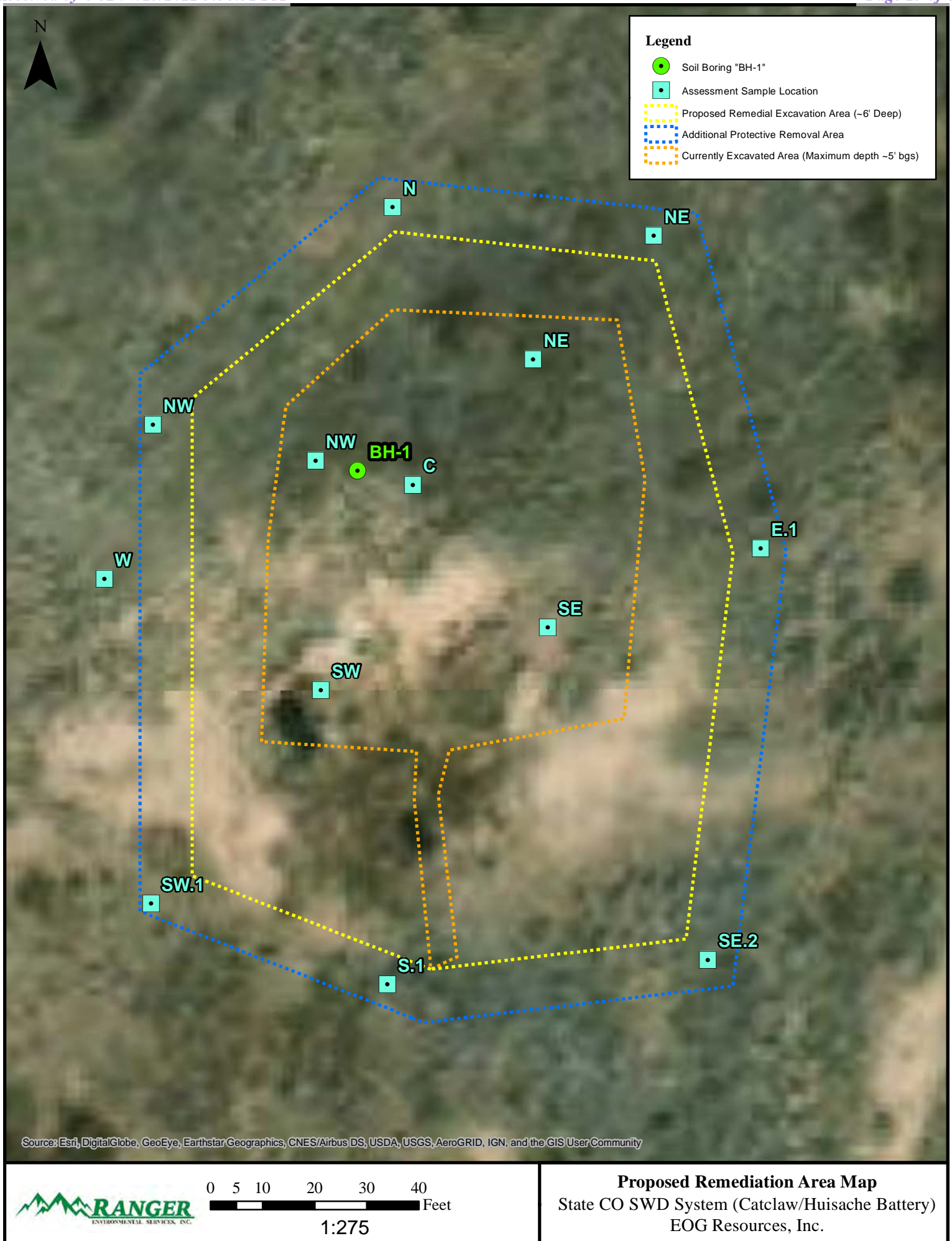




0 5 10 20 30 40  
Feet  
1:250







**Assessment Sample Location Map**  
State CO SWD System (Catclaw/Huisache Battery)  
EOG Resources, Inc.

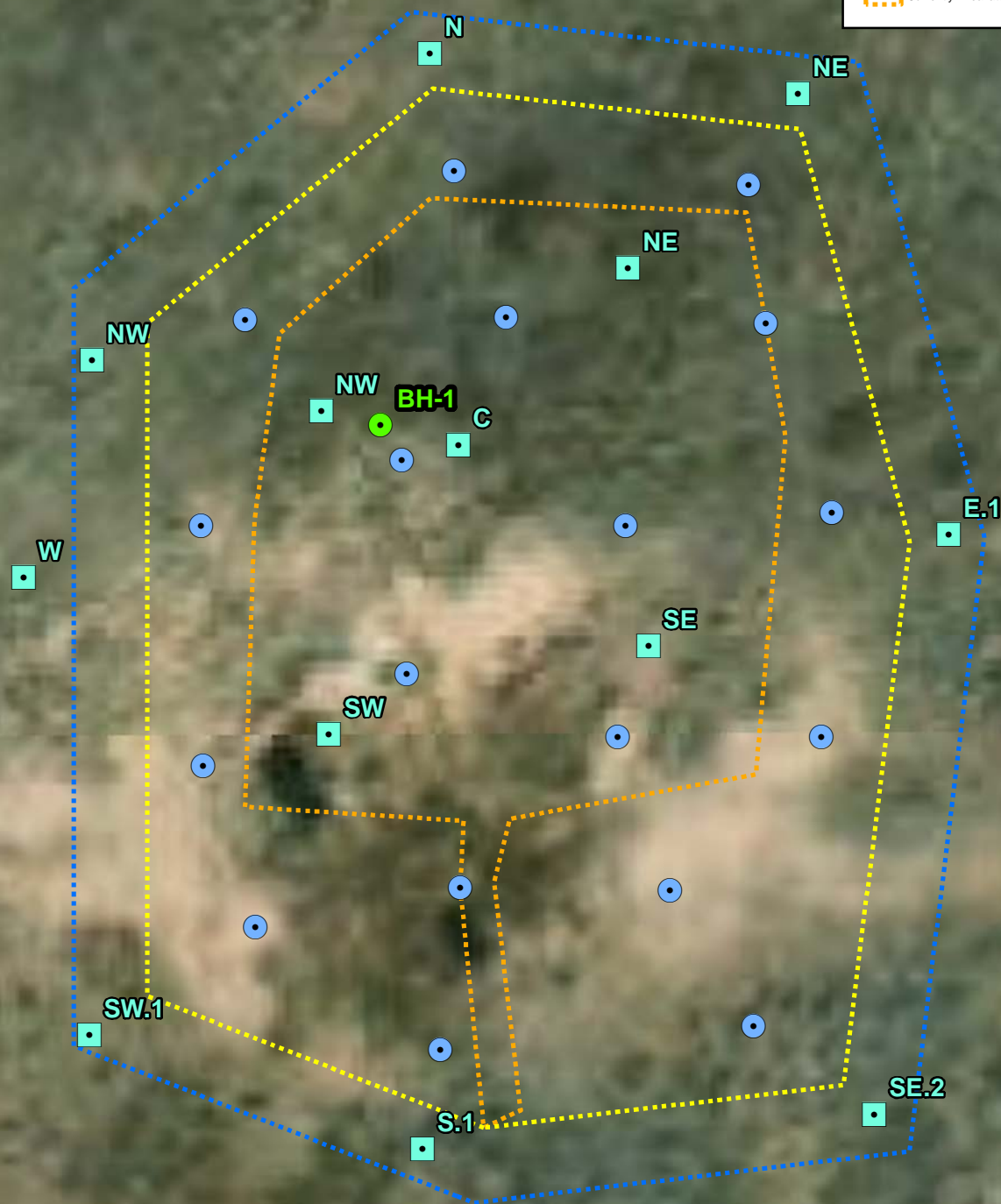




\*Confirmaiton samples from the excvaton side walls will be collected in accordance with NMAC 19.15.29.12(D), as five-part composite samples with each sample representing no more than 200 square feet.

#### Legend

-  Proposed Confirmation Sample Location
-  Soil Boring "BH-1"
-  Assessment Sample Location
-  Proposed Remedial Excavation Area (~6' Deep)
-  Additional Protective Removal Area
-  Currently Excavated Area (Maximum depth ~5' bgs)



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



0 5 10 20 30 40  
Feet

1:275

**Proposed Confirmation Sample Location Map**  
State CO SWD System (Catclaw/Huisache Battery)  
EOG Resources, Inc.

## TABLES

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

SOIL BTEX (EPA 8021), TPH (SW 8015) & CHLORIDE (EPA 300) ANALYTICAL DATA EOG RESOURCES, INC. CATCLAW-HUISATCHE LINE RELEASE 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
<b>August 24-25, 2021 - Site Assessment Samples</b>													
SW-5'	8/24/2021	5'	<0.023	<0.046	<0.046	<0.092	<0.09	<4.6	<9.7	<48	<9.7	<48	<b>8,900</b>
SW-11'	8/24/2021	11'	<0.023	<0.047	<0.047	<0.093	<0.09	<4.7	<9.9	<50	<9.9	<50	<b>8,600</b>
SW-16'	8/24/2021	16'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<9.5	<48	<9.5	<48	<b>11,000</b>
SW-25'	8/24/2021	25'	<0.023	<0.046	<0.046	<0.091	<0.09	<4.6	<9.7	<48	<9.7	<48	<b>3,900</b>
NW-5'	8/24/2021	5'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<9.7	<48	<9.7	<48	<b>15,000</b>
NW-11'	8/24/2021	11'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<9.9	<49	<9.9	<49	<b>3,500</b>
NW-16'	8/24/2021	16'	<0.023	<0.046	<0.046	<0.091	<0.09	<4.6	<9.7	<48	<9.7	<48	<b>4,600</b>
NW-23'	8/24/2021	23'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.9	<49	<9.9	<49	<b>6,800</b>
NE-5'	8/24/2021	5'	<0.024	<0.047	<0.047	<0.094	<0.09	<4.7	<9.8	<49	<9.8	<49	97
NE-15'	8/24/2021	15'	<0.023	<0.046	<0.046	<0.092	<0.09	<4.6	<9.7	<48	<9.7	<48	<60
NE-21'	8/24/2021	21'	<0.024	<0.047	<0.047	<0.094	<0.09	<4.7	<9.9	<49	<9.9	<49	<b>5,300</b>
NE-23'	8/24/2021	23'	<0.024	<0.047	<0.047	<0.094	<0.09	<4.7	<9.9	<49	<9.9	<49	<b>3,600</b>
SE-5'	8/24/2021	5'	<0.023	<0.046	<0.046	<0.093	<0.09	<4.6	<9.7	<49	<9.7	<49	220
SE-10'	8/24/2021	10'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	<10	<50	<10	<50	<b>1,200</b>
SE-14'	8/24/2021	14'	<0.12	<0.24	<0.24	<0.48	<0.48	<24	<9.4	<47	<24	<47	<b>10,000</b>
SE-20'	8/24/2021	20'	<0.023	<0.046	<0.046	<0.093	<0.09	<4.6	<9.6	<48	<9.6	<48	<b>1,700</b>
C-5'	8/24/2021	5'	<0.023	<0.046	<0.046	<0.091	<0.09	<4.6	<9.6	<48	<9.6	<48	460
C-10'	8/24/2021	10'	<0.023	<0.046	<0.046	<0.092	<0.09	<4.6	<9.8	<49	<9.8	<49	270
C-16'	8/24/2021	16'	<0.12	<0.24	<0.24	<0.49	<0.49	<24	<9.7	<48	<24	<48	<b>6,900</b>
C-20'	8/24/2021	20'	<0.023	<0.046	<0.046	<0.093	<0.09	<4.6	<9.5	<47	<9.5	<47	<b>2,700</b>
E.1/Surface	8/25/2021	Surface	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	10	<48	10	10	<60
E.1/2'	8/25/2021	2'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<9.2	<46	<9.2	<46	<60
E.1/5'	8/25/2021	5'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<9.4	<47	<9.4	<47	<60
SE.2/Surface	8/25/2021	Surface	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<9.2	<46	<9.2	<46	<59
SE.2/4'	8/25/2021	4'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<10	<50	<10	<50	65
SE.2/5'	8/25/2021	5'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.7	<49	<9.7	<49	220
S.1/Surface	8/25/2021	Surface	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<9.9	<50	<9.9	<50	<60
S.1/2'	8/25/2021	2'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	34	<48	34	34	<60
S.1/5'	8/25/2021	5'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<10	<50	<10	<50	<59
SW.1/Surface	8/25/2021	Surface	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<9.7	<48	<9.7	<48	<60
SW.1/2'	8/25/2021	2'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.4	<47	<9.4	<47	<60
SW.1/5'	8/25/2021	5'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<8.5	<43	<8.5	<43	<61
W-Surface	8/25/2021	Surface	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<9.4	<47	<9.4	<47	<60
W-2'	8/25/2021	2'	<0.023	<0.047	<0.047	<0.094	<0.09	<4.7	<9.8	<49	<9.8	<49	<60
W-5'	8/25/2021	5'	<0.023	<0.046	<0.046	<0.092	<0.09	<4.6	<9.8	<49	<9.8	<49	<59
NW-Surface	8/25/2021	Surface	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<9.7	<49	<9.7	<49	<60
NW-3'	8/25/2021	3'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	<9.9	<49	<9.9	<49	<60
NW-5'	8/25/2021	5'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<9.9	<50	<9.9	<50	530
N-Surface	8/25/2021	Surface	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<9.9	<49	<9.9	<49	<60
N-4'	8/25/2021	4'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	<9.9	<49	<9.9	<49	<60
N-5'	8/25/2021	5'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.8	<49	<9.8	<49	<60
NE-Surface	8/25/2021	Surface	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<9.9	<49	<9.9	<49	<60
NE-2'	8/25/2021	2'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<9.8	<49	<9.8	<49	<60
NE-5'	8/25/2021	5'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<10	<50	<10	<50	<59
<b>May 24, 2022 - Site Boring Assessment Samples</b>													
BH-1/29	5/24/2022	29'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.2	<46	<9.2	<46	<b>4,500</b>
BH-1/40	5/24/2022	40'	<0.023	<0.047	<0.047	<0.094	<0.09	<4.7	<8.7	<43	<8.7	<43	530
BH-1/48	5/24/2022	48'	<0.023	<0.047	<0.047	<0.093	<0.09	<4.7	<8.7	<44	<8.7	<44	220
BH-1/49	5/24/2022	49'	<0.024	<0.047	<0.047	<0.094	<0.09	<4.7	<8.0	<40	<8.0	<40	270
BH-1/50	5/24/2022	50'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<9.8	<49	<9.8	<49	170
<b>19.15.29.12 NMAC Table 1 Closure Criteria for Soils Impacted by a Release (GW ≤50')</b>													
			<b>10</b>	---	---	---	<b>50</b>	---	---	---	---	<b>100</b>	<b>600</b>
<b>19.15.29.13 NMAC Reclamation Criteria (0'-4' Soils Only)</b>													
			<b>10<sup>3</sup></b>	---	---	---	<b>50<sup>3</sup></b>	---	---	---	---	<b>100<sup>3</sup></b>	<b>600</b>
Notes:													
1. Results exceeding the Table 1 Closure Criteria are presented in bold type and are highlighted yellow.													
2. Results exceeding the NMAC Restoration, Reclamation and re-vegetation chloride concentration requirements are presented in bold red type.													
3. Value derived from the State of New Mexico Energy, Minerals and Natural Resources Department document Procedures for the Implementation of the Spill Rule (19.15.29 NMAC) dated September 6, 2019.													

ATTACHMENT 1

SOIL BORING LOG



Ranger Environmental Services, Inc.  
P.O. Box 201179  
Austin, Texas 78720  
Telephone: 512-335-1785  
Fax: 512-335-0527

**BORING NUMBER BH-1**

PAGE 1 OF 2

CLIENT EOG Resources, Inc.PROJECT NAME Catclaw HuisashePROJECT NUMBER 5375PROJECT LOCATION Eddy County, New MexicoDATE STARTED 5/24/22COMPLETED 5/24/22

## GROUND WATER LEVELS:

DRILLING CONTRACTOR HCIAT TIME OF DRILLING --- DryDRILLING METHOD Air RotaryAFTER DRILLING --- DryLOGGED BY William KennedyCHECKED BY P. Finn

BTOC = Below Top Of Casing

GB = Grab Sample

GEO = Geotech Sample

GPS COORDINATES 32.605370°, -104.571250°

DEPTH (ft)	SOIL SAMPLE ANALYSIS	GROUNDWATER LEVELS (BTOC)	PID (In ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0						
5						
10						
15						
20			2.1	20.0	(ML) Clayey Silt, light brown/yellow-orange, very well sorted, stiff to very stiff	
			2.7			
			2			
			2.3			
			1.9			
25			1.7			
			2.1			
			2.3			
			2.2			
	GB		1.9			
30			2.5		Clayey Silt, very light brown, moderately well sorted, stiff, white caliche inclusions, 70% clay, 30% caliche	
			2.3			
			2.1			

◀ Note: Boring plugged & abandoned post-installation with bentonite.

(Continued Next Page)





Ranger Environmental Services, Inc.  
P.O. Box 201179  
Austin, Texas 78720  
Telephone: 512-335-1785  
Fax: 512-335-0527

**BORING NUMBER BH-1**

PAGE 2 OF 2

CLIENT EOG Resources, Inc.PROJECT NAME Catclaw HuisashePROJECT NUMBER 5375PROJECT LOCATION Eddy County, New Mexico

DEPTH (ft)	SOIL SAMPLE ANALYSIS	GROUNDWATER LEVELS (BTOC)	PID (In ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
35			2.5		(ML) Clayey Silt, light brown/yellow-orange, very well sorted, stiff to very stiff ( <i>continued</i> )	
			2.2			
			1.4		Clayey Silt, light brown, very well sorted, very stiff to hard	
			1.7			
			1.8			
			1.4			
			1.3			
40	GB		2.5			
			2.7			
			1.7			
			2.6			
			2.3			
45			3.6		Clayey Silt, brown, very well sorted, stiff	
			5.7			
			4.1			
	GB		3.4		Clayey Silt, red to maroon, very well sorted, soft to stiff	
	GB		2.7			
50	GB		2.9	50.0		

Bottom of borehole at 50.0 feet.

ENVIRONMENTAL BH - GINT STD US.GDT - 6/6/22 09:12 - R:\DRAFTING FILES\GINT LOGS\5375 - CATCLAW HUISASHE - BORING LOGS.GPJ



ATTACHMENT 2

PHOTOGRAPHIC DOCUMENTATION



**PHOTOGRAPH NO. 1 – A view of the Site during the May 24, 2022, soil boring activities. The view is towards the northeast.**

*(Approximate GPS: 32.605349, -104.551911)*



**PHOTOGRAPH NO. 2 – An additional view of the Site during the May 24, 2022, soil boring activities. The view is towards the northeast.**

*(Approximate GPS: 32.605400, -104.552154)*

ATTACHMENT 3

LABORATORY ANALYTICAL REPORT



Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [www.hallenvironmental.com](http://www.hallenvironmental.com)

June 06, 2022

Chase Settle

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX:

RE: Catclaw Huisachs

OrderNo.: 2205B80

Dear Chase Settle:

Hall Environmental Analysis Laboratory received 5 sample(s) on 5/26/2022 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](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

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

Sincerely,

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

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

## Analytical Report

Lab Order 2205B80

Date Reported: 6/6/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: BH-1/29

Project: Catclaw Huisachs

Collection Date: 5/24/2022 9:09:00 AM

Lab ID: 2205B80-001

Matrix: SOIL

Received Date: 5/26/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	4500	150		mg/Kg	50	6/2/2022 11:41:49 AM	67841
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	5/31/2022 3:47:57 PM	67767
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	5/31/2022 3:47:57 PM	67767
Surr: DNOP	87.2	51.1-141		%Rec	1	5/31/2022 3:47:57 PM	67767
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>BRM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/29/2022 3:21:00 AM	67752
Surr: BFB	86.9	37.7-212		%Rec	1	5/29/2022 3:21:00 AM	67752
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>BRM</b>
Benzene	ND	0.025		mg/Kg	1	5/29/2022 3:21:00 AM	67752
Toluene	ND	0.050		mg/Kg	1	5/29/2022 3:21:00 AM	67752
Ethylbenzene	ND	0.050		mg/Kg	1	5/29/2022 3:21:00 AM	67752
Xylenes, Total	ND	0.10		mg/Kg	1	5/29/2022 3:21:00 AM	67752
Surr: 4-Bromofluorobenzene	89.7	70-130		%Rec	1	5/29/2022 3:21:00 AM	67752

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

<b>Qualifiers:</b>	*	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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

## Analytical Report

Lab Order 2205B80

Date Reported: 6/6/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: BH-1/40

Project: Catclaw Huisachs

Collection Date: 5/24/2022 9:21:00 AM

Lab ID: 2205B80-002

Matrix: SOIL

Received Date: 5/26/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	530	59		mg/Kg	20	6/2/2022 2:54:36 AM	67841
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	8.7		mg/Kg	1	5/31/2022 3:58:44 PM	67767
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	5/31/2022 3:58:44 PM	67767
Surr: DNOP	91.2	51.1-141		%Rec	1	5/31/2022 3:58:44 PM	67767
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	5/29/2022 3:41:00 AM	67752
Surr: BFB	90.1	37.7-212		%Rec	1	5/29/2022 3:41:00 AM	67752
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.023		mg/Kg	1	5/29/2022 3:41:00 AM	67752
Toluene	ND	0.047		mg/Kg	1	5/29/2022 3:41:00 AM	67752
Ethylbenzene	ND	0.047		mg/Kg	1	5/29/2022 3:41:00 AM	67752
Xylenes, Total	ND	0.094		mg/Kg	1	5/29/2022 3:41:00 AM	67752
Surr: 4-Bromofluorobenzene	91.2	70-130		%Rec	1	5/29/2022 3:41:00 AM	67752

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

<b>Qualifiers:</b>	*	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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2205B80

Date Reported: 6/6/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: BH-1/48

Project: Catclaw Huisachs

Collection Date: 5/24/2022 9:43:00 AM

Lab ID: 2205B80-003

Matrix: SOIL

Received Date: 5/26/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	220	60		mg/Kg	20	6/2/2022 3:06:57 AM	67841
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	8.7		mg/Kg	1	5/31/2022 4:09:32 PM	67767
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	5/31/2022 4:09:32 PM	67767
Surr: DNOP	118	51.1-141		%Rec	1	5/31/2022 4:09:32 PM	67767
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	5/29/2022 4:01:00 AM	67752
Surr: BFB	92.3	37.7-212		%Rec	1	5/29/2022 4:01:00 AM	67752
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.023		mg/Kg	1	5/29/2022 4:01:00 AM	67752
Toluene	ND	0.047		mg/Kg	1	5/29/2022 4:01:00 AM	67752
Ethylbenzene	ND	0.047		mg/Kg	1	5/29/2022 4:01:00 AM	67752
Xylenes, Total	ND	0.093		mg/Kg	1	5/29/2022 4:01:00 AM	67752
Surr: 4-Bromofluorobenzene	90.9	70-130		%Rec	1	5/29/2022 4:01:00 AM	67752

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

<b>Qualifiers:</b>	*	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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2205B80

Date Reported: 6/6/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: BH-1/49

Project: Catclaw Huisachs

Collection Date: 5/24/2022 9:44:00 AM

Lab ID: 2205B80-004

Matrix: SOIL

Received Date: 5/26/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	270	60		mg/Kg	20	6/2/2022 3:19:18 AM	67841
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	8.0		mg/Kg	1	5/31/2022 4:20:20 PM	67767
Motor Oil Range Organics (MRO)	ND	40		mg/Kg	1	5/31/2022 4:20:20 PM	67767
Surr: DNOP	95.1	51.1-141		%Rec	1	5/31/2022 4:20:20 PM	67767
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	5/29/2022 4:20:00 AM	67752
Surr: BFB	87.5	37.7-212		%Rec	1	5/29/2022 4:20:00 AM	67752
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	5/29/2022 4:20:00 AM	67752
Toluene	ND	0.047		mg/Kg	1	5/29/2022 4:20:00 AM	67752
Ethylbenzene	ND	0.047		mg/Kg	1	5/29/2022 4:20:00 AM	67752
Xylenes, Total	ND	0.094		mg/Kg	1	5/29/2022 4:20:00 AM	67752
Surr: 4-Bromofluorobenzene	88.6	70-130		%Rec	1	5/29/2022 4:20:00 AM	67752

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

<b>Qualifiers:</b>	*	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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2205B80

Date Reported: 6/6/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: BH-1/50

Project: Catclaw Huisachs

Collection Date: 5/24/2022 9:45:00 AM

Lab ID: 2205B80-005

Matrix: SOIL

Received Date: 5/26/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	170	60		mg/Kg	20	6/2/2022 3:31:40 AM	67841
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	5/31/2022 4:31:20 PM	67767
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	5/31/2022 4:31:20 PM	67767
Surr: DNOP	95.2	51.1-141		%Rec	1	5/31/2022 4:31:20 PM	67767
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/29/2022 4:40:00 AM	67752
Surr: BFB	87.4	37.7-212		%Rec	1	5/29/2022 4:40:00 AM	67752
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	5/29/2022 4:40:00 AM	67752
Toluene	ND	0.049		mg/Kg	1	5/29/2022 4:40:00 AM	67752
Ethylbenzene	ND	0.049		mg/Kg	1	5/29/2022 4:40:00 AM	67752
Xylenes, Total	ND	0.098		mg/Kg	1	5/29/2022 4:40:00 AM	67752
Surr: 4-Bromofluorobenzene	88.1	70-130		%Rec	1	5/29/2022 4:40:00 AM	67752

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

<b>Qualifiers:</b>	*	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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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

WO#: 2205B80

06-Jun-22

**Client:** EOG  
**Project:** Catclaw Huisachs

Sample ID: <b>MB-67841</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>67841</b>	RunNo: <b>88422</b>								
Prep Date: <b>6/1/2022</b>	Analysis Date: <b>6/1/2022</b>	SeqNo: <b>3137026</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-67841</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>67841</b>	RunNo: <b>88422</b>								
Prep Date: <b>6/1/2022</b>	Analysis Date: <b>6/1/2022</b>	SeqNo: <b>3137027</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.3	90	110			

**Qualifiers:**

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

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

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

WO#: 2205B80

06-Jun-22

**Client:** EOG  
**Project:** Catclaw Huisachs

Sample ID: <b>MB-67767</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>67767</b>	RunNo: <b>88367</b>								
Prep Date: <b>5/27/2022</b>	Analysis Date: <b>5/31/2022</b>	SeqNo: <b>3134570</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		100	51.1	141			

Sample ID: <b>LCS-67767</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>67767</b>	RunNo: <b>88367</b>								
Prep Date: <b>5/27/2022</b>	Analysis Date: <b>5/31/2022</b>	SeqNo: <b>3134571</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	93.9	64.4	127			
Surr: DNOP	4.2		5.000		84.8	51.1	141			

**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 Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**WO#: **2205B80****06-Jun-22**

**Client:** EOG  
**Project:** Catclaw Huisachs

Sample ID: <b>ics-67752</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>67752</b>			RunNo: <b>88354</b>						
Prep Date: <b>5/27/2022</b>	Analysis Date: <b>5/28/2022</b>			SeqNo: <b>3133718</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	94.6	72.3	137			
Surr: BFB	1900		1000		193	37.7	212			

Sample ID: <b>mb-67752</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>PBS</b>	Batch ID: <b>67752</b>			RunNo: <b>88354</b>						
Prep Date: <b>5/27/2022</b>	Analysis Date: <b>5/28/2022</b>			SeqNo: <b>3133719</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	960		1000		95.9	37.7	212			

**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 Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

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

WO#: 2205B80

06-Jun-22

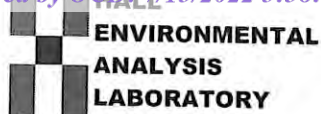
**Client:** EOG  
**Project:** Catclaw Huisachs

Sample ID: <b>ics-67752</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>67752</b>			RunNo: <b>88354</b>						
Prep Date: <b>5/27/2022</b>	Analysis Date: <b>5/28/2022</b>			SeqNo: <b>3133757</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.000	0	95.1	80	120			
Toluene	0.95	0.050	1.000	0	95.4	80	120			
Ethylbenzene	0.95	0.050	1.000	0	94.6	80	120			
Xylenes, Total	2.8	0.10	3.000	0	93.1	80	120			
Surr: 4-Bromofluorobenzene	0.91		1.000		91.5	70	130			

Sample ID: <b>mb-67752</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>PBS</b>	Batch ID: <b>67752</b>			RunNo: <b>88354</b>						
Prep Date: <b>5/27/2022</b>	Analysis Date: <b>5/28/2022</b>			SeqNo: <b>3133758</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.93		1.000		93.4	70	130			

**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 Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		



## Sample Log-In Check List

Client Name: EOG

Work Order Number: 2205B80

RcptNo: 1

Received By: Tracy Casarrubias 5/26/2022 7:00:00 AM

Completed By: Tracy Casarrubias 5/26/2022 8:27:36 AM

Reviewed By: JGL 5/26/22

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  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? 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: JGL 5-26-22

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 $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.5	Good	Yes			
2	3.7	Good	Yes			
3	1.6	Good	Yes			
4	2.4	Good	Yes			





ATTACHMENT 4

NMOCD CORRESPONDENCE

From: Tina Huerta <[Tina\\_Huerta@eogresources.com](mailto:Tina_Huerta@eogresources.com)>  
Sent: Thursday, May 19, 2022 10:00 AM  
To: Robert Hamlet<[Robert.Hamlet@state.nm.usmike.bratcher@state.nm.us](mailto:Robert.Hamlet@state.nm.us)>; Jennifer Nobui<[Jennifer.Nobui@state.nm.us](mailto:Jennifer.Nobui@state.nm.us)>; Harimon, Jocelyn, EMNRD <[Jocelyn.Harimon@state.nm.us](mailto:Jocelyn.Harimon@state.nm.us)>; [rmann@slo.state.nm.us](mailto:rmann@slo.state.nm.us); [mnaranjo@slo.state.nm.us](mailto:mnaranjo@slo.state.nm.us);  
Cc: Artesia S&E Spill Remediation <[Artesia\\_S&E\\_Spill\\_Remediation@eogresources.com](mailto:Artesia_S&E_Spill_Remediation@eogresources.com)>; Artesia Regulatory <[Artesia\\_Regulatory@eogresources.com](mailto:Artesia_Regulatory@eogresources.com)>  
Subject: Catclaw/Huisache Line Release (nAPP2120958120) Sampling Notification

Good Morning,

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

Catclaw/Huisache Line Release  
H-2-20S-24E; Eddy County, NM  
nAPP2120958120

Sampling will begin at 7:00 a.m. on Tuesday, May 24, 2022.

Thank you,

Tina Huerta  
Regulatory Specialist  
Direct: 575.748.4168  
Cell: 575.703.3121  
Email: [tina\\_huerta@eogresources.com](mailto:tina_huerta@eogresources.com)



**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 125194

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 125194
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Remediation Plan Approved. Variance to install a liner at 6' approved.	7/19/2022