RANGER
ENVIRONMENTAL SERVICES, INC.

SITE CHARACTERIZATION UPDATE AND PROPOSED REMEDIATION PLAN

FEDERAL CM COM #1 (SOUTHERN AREA)
UNIT M, SECTION 12, TOWNSHIP 19S, RANGE 24E
EDDY COUNTY, NEW MEXICO
32.67054, -104.54807
RANGER REFERENCE NO. 5375

PREPARED FOR:

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

PREPARED BY:

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

OCTOBER 21, 2022

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

William Kierdorf, REM
Project Manager

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RANGER
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SITE CHARACTERIZATION UPDATE AND PROPOSED REMEDIATION PLAN
FEDERAL CM COM #1 (SOUTHERN AREA)
UNIT M, SECTION 12, TOWNSHIP 19S, RANGE 25E
EDDY COUNTY, NEW MEXICO
32.67054, -104.54807
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1.0 SITE LOCATION AND BACKGROUND

The Federal CM COM #1 (Site) is located on private property, approximately 15 miles southwest of Artesia, within Eddy County, New Mexico. The Site is situated in Unit M, Section 12, T19S-R24E at GPS coordinates 32.67054, -104.54807. On December 9, 2021, Howell Ranch Revocable Trust (Howell Ranch) representatives reported an area of potential impact located south of the former well pad area immediately west of a completed remediation area (NMOCD Incident ID# nAPP2124432801). The information provided was limited to a general area and notes of potential elevated chloride concentrations and lack of vegetation.

EOG Resources, Inc. (EOG) subsequently engaged Ranger Environmental Services, Inc. (Ranger) to assist in the assessment, remediation, and reclamation efforts at the Site. On December 17, 2021, Ranger representatives conducted a preliminary inspection of the reported area. During the inspection of the area, several locations were observed to be lacking vegetation growth and density compared to that of surrounding areas. Based on the observed conditions, Ranger personnel conducted site assessment activities in January 2022, February 2022, and March 2022. Based on the findings of site assessment activities and the apparent size of the impacted area, the incident was reported to the New Mexico Oil Conservation Division (NMOCD) on March 24, 2022 (NMOCD Incident # nAPP2208340165).

The results of the site assessment activities were summarized in Ranger's June 16, 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. An agreement with the surface owner was required prior to the completion of the depth-to-groundwater investigation activities. Once the agreement was completed, the temporary monitor well was installed in September 2022 to confirm the site-specific depth-to-groundwater information.

This report has been prepared to update the site characterization details with the site-specific depth-to-groundwater information 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 an *Assessment Sample Location Map* illustrating the Site features and sampling locations, are provided in the Figures section.

2.0 SITE CHARACTERIZATION UPDATE

As detailed in the June 16, 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 September 2022.

2.1 September 2022 – Depth-to-Groundwater Confirmation Activities

In September 2022, Ranger representatives and HCI Drilling installed and gauged a soil boring/temporary monitor well ("SB-1") in order to obtain site-specific depth-to-groundwater information. The temporary monitor well was installed on September 26, 2022 at approximate GPS coordinates 32.66546743, -104.55115675, located within a half-mile radius of the Site. The soil boring was drilled to a depth of approximately 108 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 72 hours and was then gauged with a Heron Instruments electronic water level meter on September 29, 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 results of the depth-to-groundwater investigation activities 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 the SB-1 soil boring log 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 June 20, 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 PROPOSED REMEDIATION PLAN

3.1 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 irregular in shape and have maximum dimensions of approximately 69 feet by 40 feet and will be completed to anticipated depths of approximately two and four feet bgs. A *Proposed Excavation Area Map* is attached which illustrates the proposed excavation boundaries and depths. It is anticipated that approximately 380 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.

3.2 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 organic vapor monitor (OVM) and field chloride titration kit. The field screening results will be utilized to guide the excavation process and qualitatively determine when the excavation appears to have attained the proposed closure criteria. When the field screening results indicate that the excavation has been completed to appropriate boundaries, cleanup confirmation soil samples will be collected for laboratory analysis to confirm attainment of the proposed closure criteria.

Discrete grab soil samples are proposed to assess the excavation base areas that are completed to a depth of four feet. The proposed grab samples will be collected from various locations within the excavation floor. 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 of 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.

In the event that the initial cleanup confirmation soil sample results indicate that soil chemical of concern (COC) concentrations remain in exceedance of the proposed closure 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 proposed closure criteria. The sample collection and analytical methodologies will be the same as detailed above.

3.4 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. Re-vegetation efforts in the area will be completed in conjunction with the outstanding reclamation efforts associated with the former well pad area.

3.5 Remediation Schedule

Upon approval of the proposed remediation plan, all field activities will be scheduled as soon as reasonably possible. Based on the proposed scope of work it is anticipated that the remedial efforts can be completed within 90 days of initiation.

4.0 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	nAPP2208340165
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 # *nAPP2208340165*
Contact mailing address 104 S. 4th Street, Artesia, NM 88210	

Location of Release Source

Latitude 32.67019 Longitude -104.54812
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Federal CM Com #1 - Southern Area	Site Type Pipeline
Date Release Discovered 03/23/2022	API# *30-015-20800*

Unit Letter	Section	Township	Range	County
M	12	19S	24E	Eddy

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☑ Private (*Name:* Howell Ranch)

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: A notice was submitted by the landowner for an area south of the previously reclaimed well pad, and west of previously remediated area, that appeared to be impacted. The consultant retained to investigate the area provided notice that it most likely meets reportable criteria on 3/23/2022, based on the initial delineation assessment that has been completed to date.

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? ☐ 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: 03/24/2022

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

OCD Only

Received by: Jocelyn Harimon
Date: 03/24/2022

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.

State of New Mexico
Oil Conservation Division

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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: _____ Title: _____

Signature:_____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

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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: _____

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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: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 92911
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141	3/24/2022

State of New Mexico
Oil Conservation Division

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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.**

State of New Mexico
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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: 06/21/2022

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

OCD Only

Received by: _____ Date: _____

Incident ID	nAPP2208340165
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.***	>108' (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

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2208340165
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: 10/27/2022

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

OCD Only

Received by: Jocelyn Harimon Date: 10/28/2022

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2208340165
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: 10/27/2022

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

OCD Only

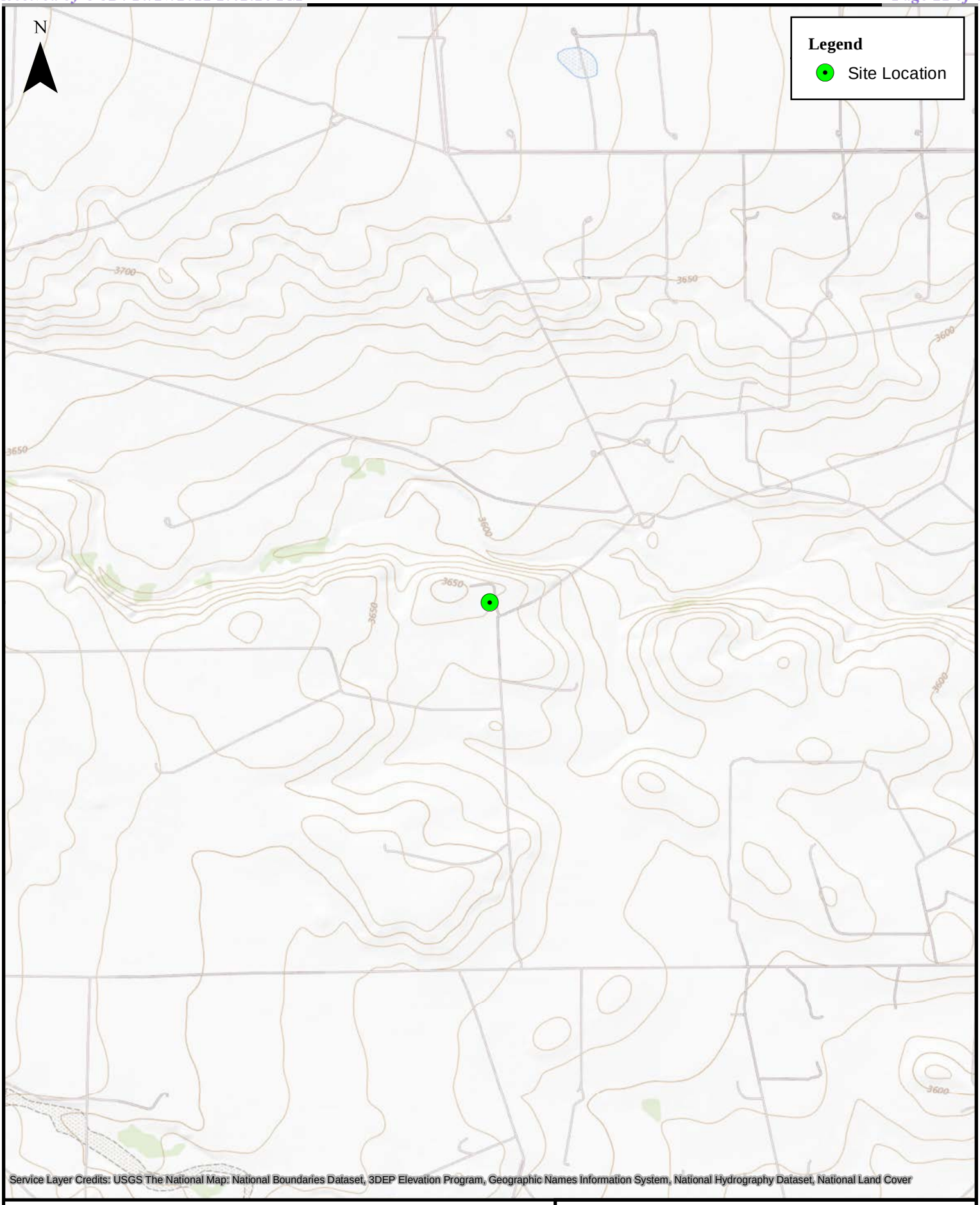
Received by: Jocelyn Harimon Date: 10/28/2022

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

Signature: Date:

FIGURES

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



RANGER ENVIRONMENTAL SERVICES, INC.

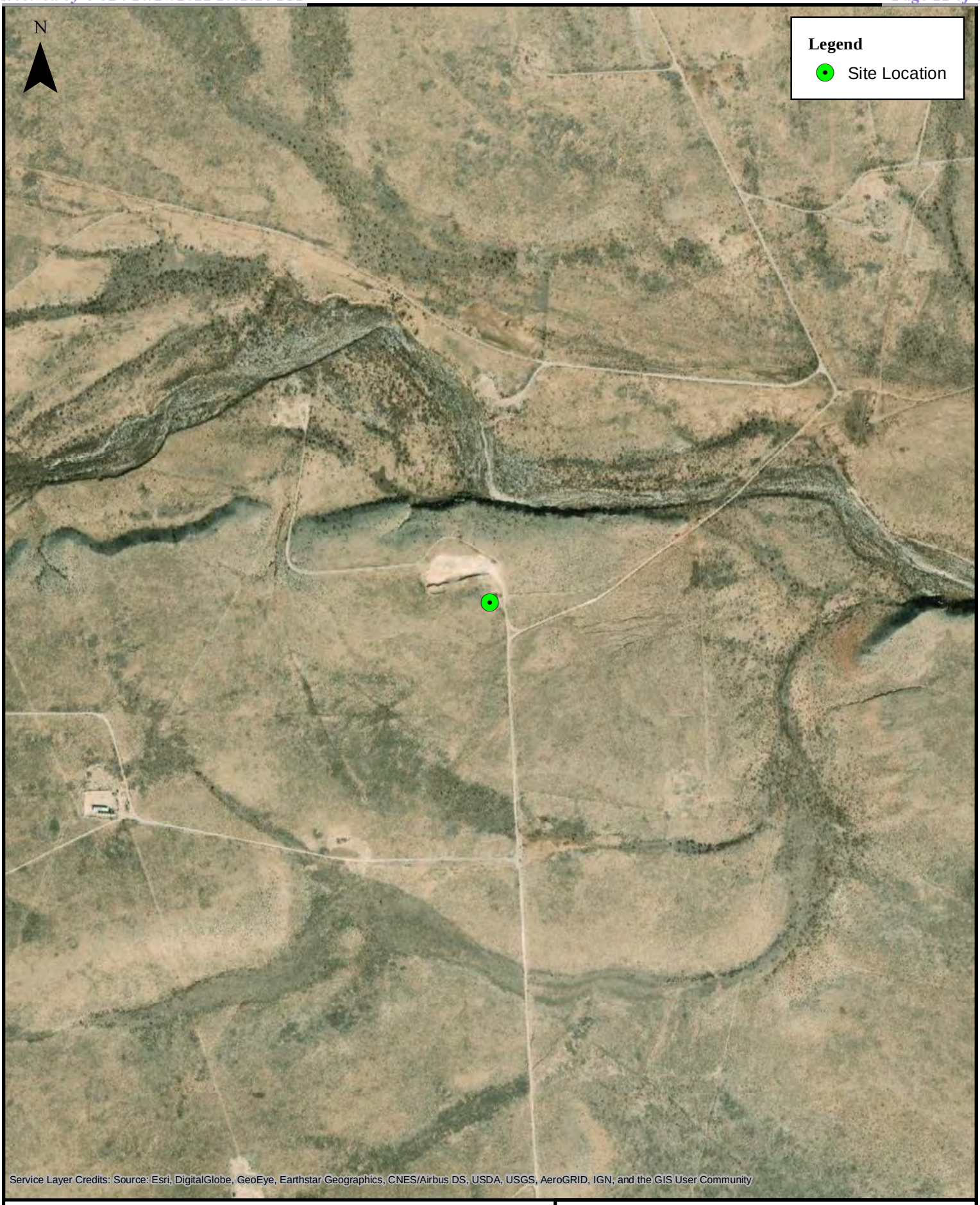
0 600 1,200 2,400 3,600 4,800 Feet

1:24,000

Topographic Map

Federal CM #1 (Southern Area)

EOG Resources, Inc.



RANGER ENVIRONMENTAL SERVICES, INC.

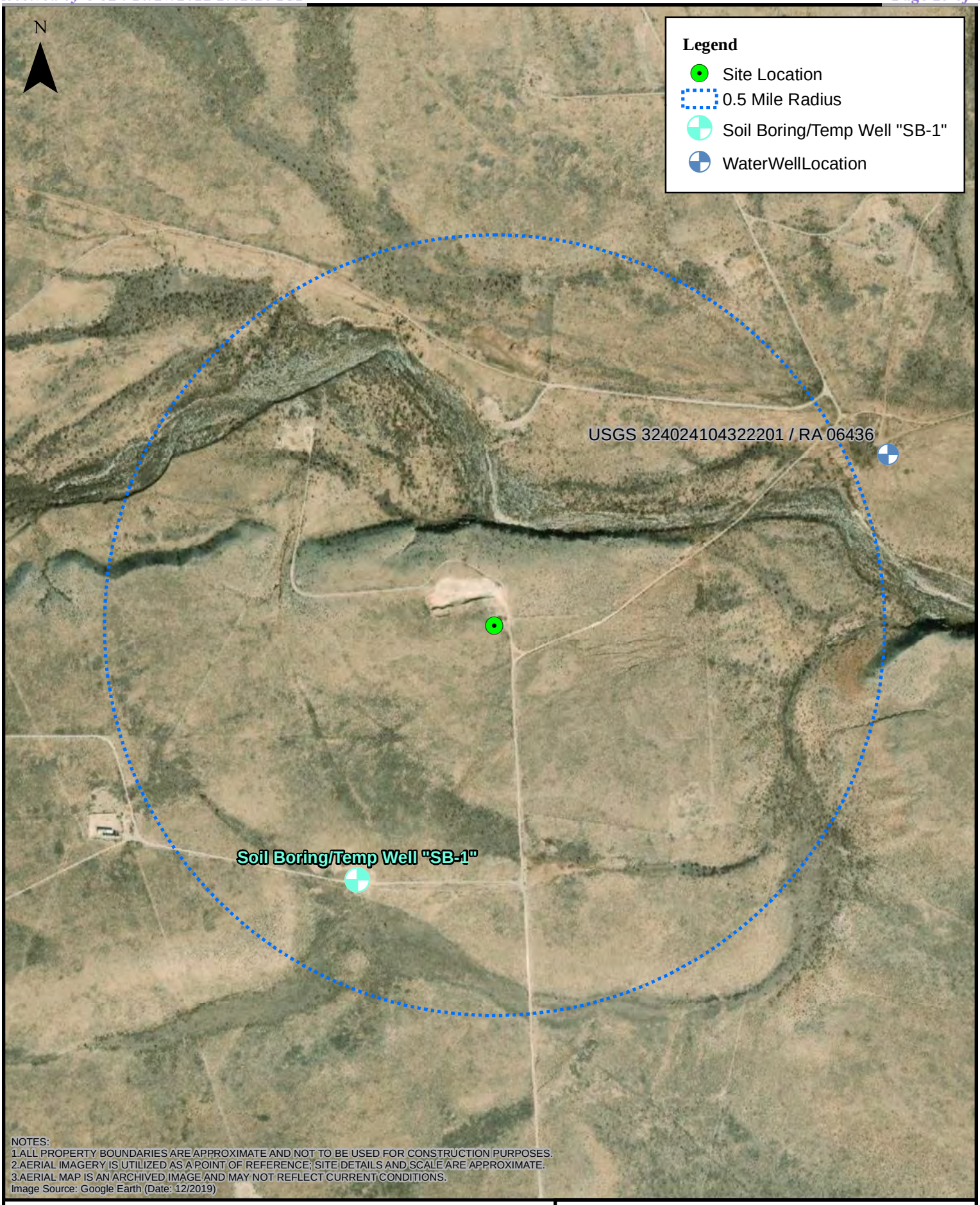
0 250 500 1,000 1,500 2,000 Feet

1:10,000

Area Map

Federal CM #1 (Southern Area)

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)

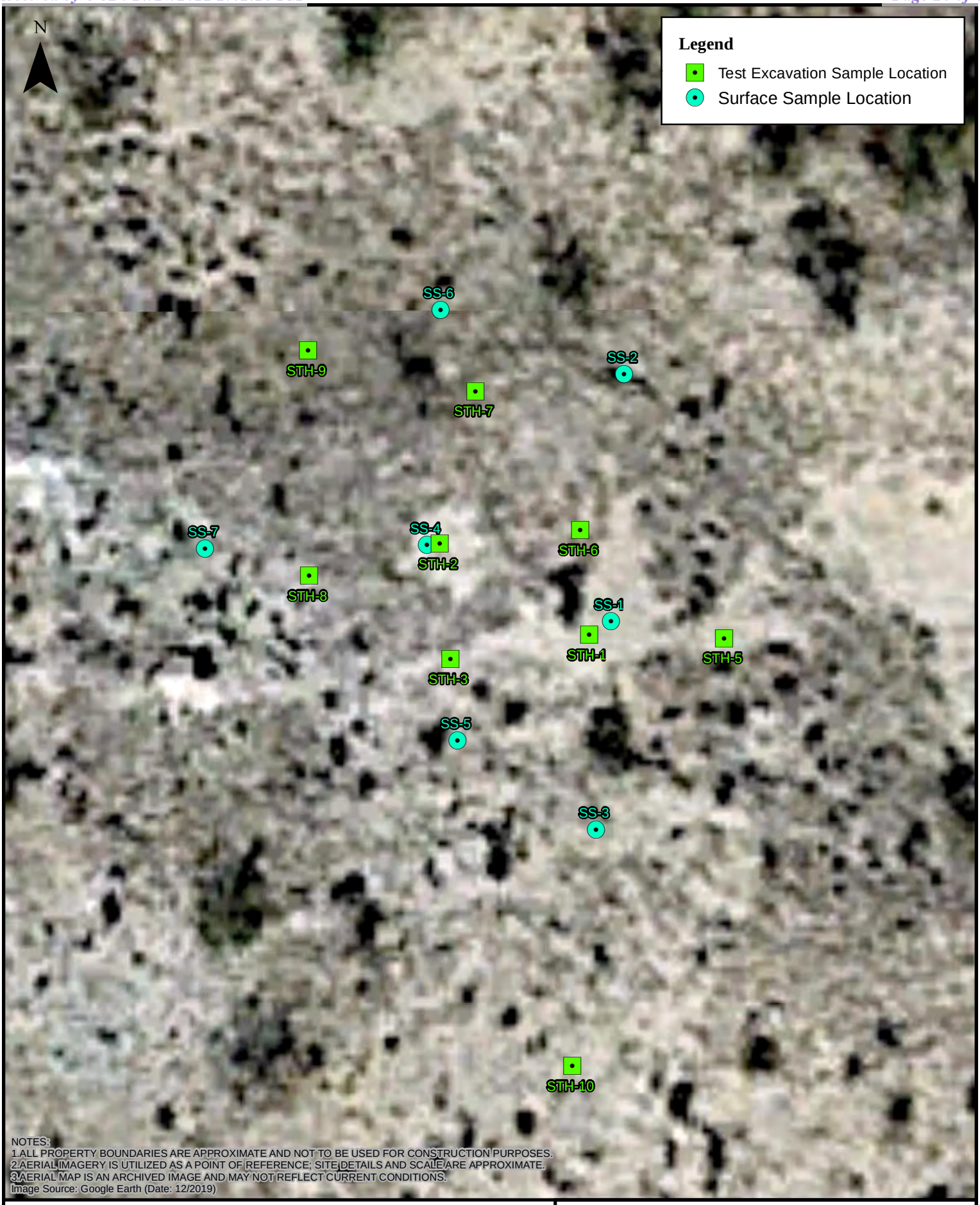
RANGER ENVIRONMENTAL SERVICES, INC.

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

1:10,000

DTGW Information Location Map

Federal CM #1 (Southern Area)
EOG Resources, Inc.



NOTES:
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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)

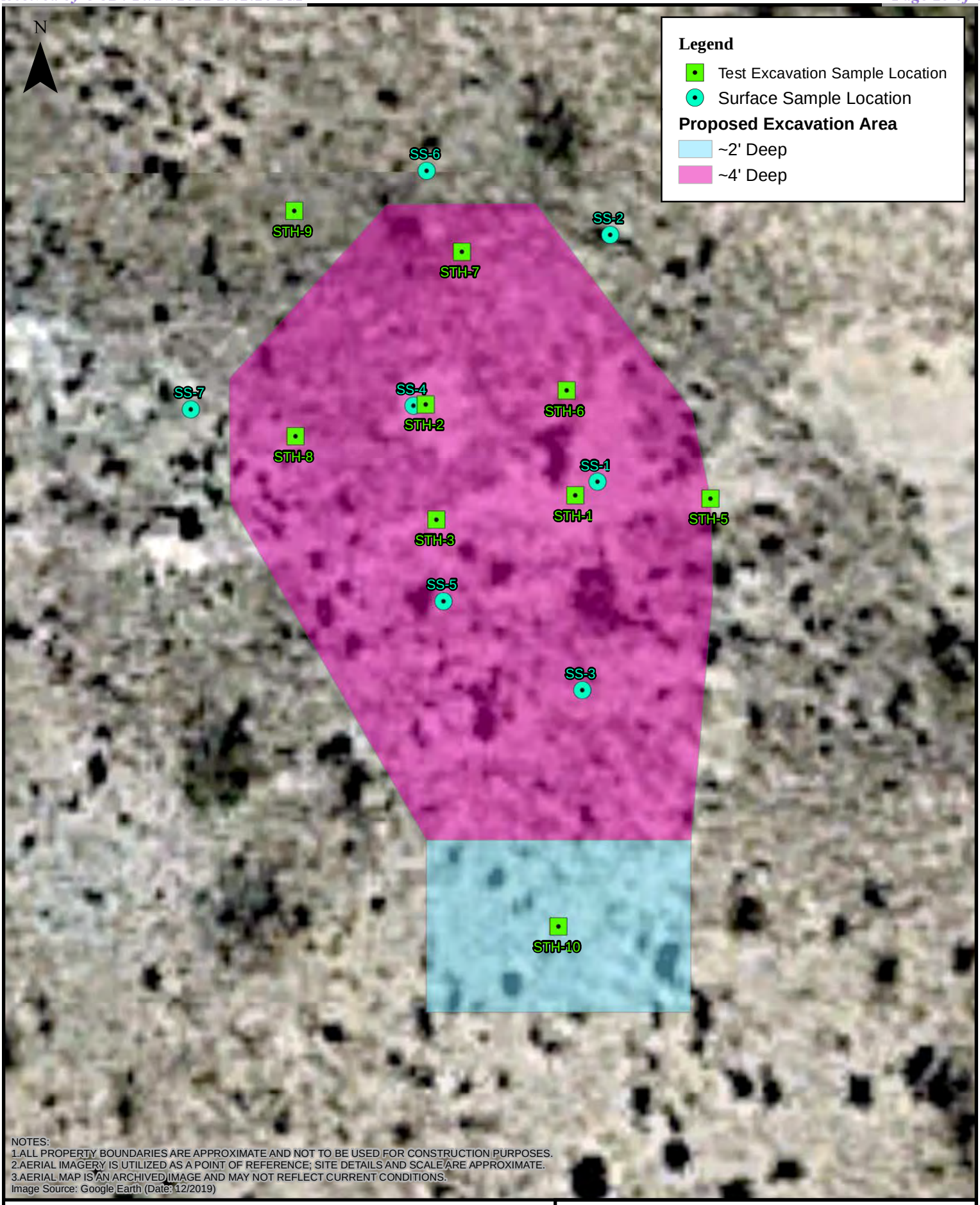
RANGER ENVIRONMENTAL SERVICES, INC.

0 3 6 12 18 24 Feet

1:125

Assessment Sample Location Map

Federal CM #1 (Southern Area)
EOG Resources, Inc.



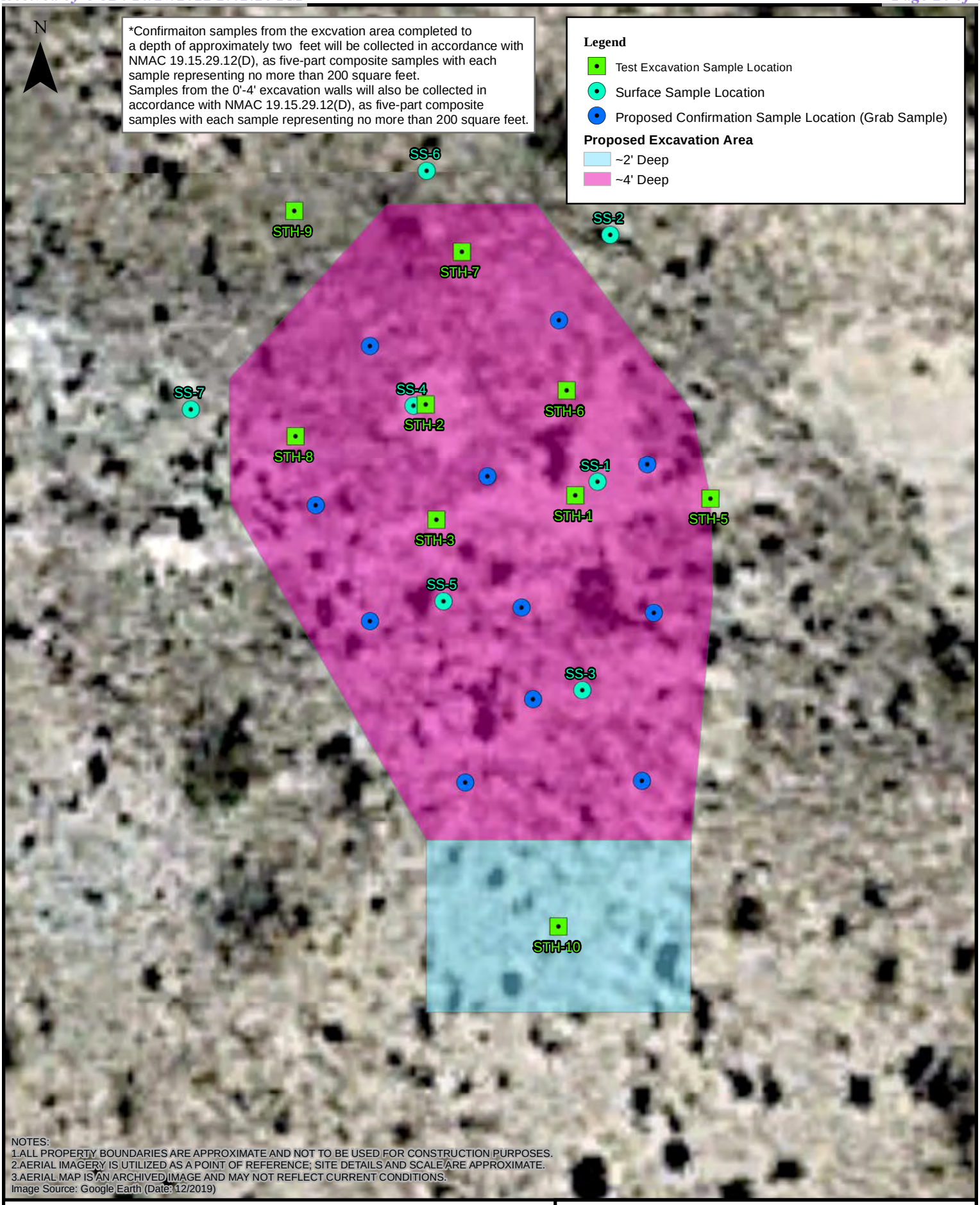
NOTES:
1.ALL PROPERTY BOUNDARIES ARE APPROXIMATE AND NOT TO BE USED FOR CONSTRUCTION PURPOSES.
2.AERIAL IMAGERY IS UTILIZED AS A POINT OF REFERENCE; SITE DETAILS AND SCALE ARE APPROXIMATE.
3.AERIAL MAP IS AN ARCHIVED IMAGE AND MAY NOT REFLECT CURRENT CONDITIONS.
Image Source: Google Earth (Date: 12/2019)

RANGER ENVIRONMENTAL SERVICES, INC.

0 3 6 12 18 24 Feet

1:125

Proposed Excavation Area Map
Federal CM #1 (Southern Area)
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 3 6 12 18 24 Feet

1:125

Proposed Confirmation Sample Location Map

Federal CM #1 (Southern Area)
EOG Resources, Inc.

TABLES

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

SOIL SAMPLE BTEX (EPA 8021), TPH (SW 8015) & CHLORIDE (EPA 300) ANALYTICAL DATA
EOG RESOURCES, INC.
FEDERAL CM COM #1 (SOUTHERN AREA)

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
January 5, 2022 - Surface Soil Samples													
SS-1	1/5/2022	0'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.9	97	<9.9	97	**6,700**
SS-2	1/5/2022	0'	<0.023	<0.047	<0.047	<0.093	<0.09	<4.7	<9.3	<46	<9.3	<46	<60
SS-3	1/5/2022	0'	<0.023	<0.047	<0.047	<0.093	<0.09	<4.7	<9.9	<49	<9.9	<49	<60
SS-4	1/5/2022	0'	<0.023	<0.046	<0.046	<0.093	<0.09	<4.6	24	74	24	98	**2,900**
SS-5	1/5/2022	0'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<9.8	<49	<9.8	<49	<60
SS-6	1/5/2022	0'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.5	<48	<9.5	<48	<59
SS-7	1/5/2022	0'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.9	<50	<9.9	<50	<60
Test Excavation Soil Samples													
STH-1/5	2/1/2022	5'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<9.5	<47	<9.5	<47	1,300
STH-1/14	2/1/2022	14'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	26	<50	26	26	710
STH-2/9	2/2/2022	9'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<10	<50	<10	<50	4,900
STH-2/14	2/2/2022	14'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	120	170	120	290	5,600
STH-3/13	3/3/2022	13'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<9.9	<50	<9.9	<50	2,600
STH-3/19	3/3/2022	19'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.6	<48	<9.6	<48	700
STH-5/4	3/3/2022	5'	<0.023	<0.047	<0.047	<0.093	<0.09	<4.7	<9.9	<50	<9.9	<50	750
STH-5/7	3/3/2022	7'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.7	<48	<9.7	<48	370
STH-6/3	3/3/2022	3'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<9.3	<46	<9.3	<46	**710**
STH-6/6	3/3/2022	6'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.5	<48	<9.5	<48	280
STH-7/3	3/3/2022	3'	<0.023	<0.047	<0.047	<0.094	<0.09	<4.7	<9.0	<45	<9.0	<45	**1,800**
STH-7/6	3/3/2022	6'	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	<9.6	<48	<9.6	<48	150
STH-8/10	3/3/2022	10'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.7	<49	<9.7	<49	2,500
STH-8/17	3/3/2022	17'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<8.9	<44	<8.9	<44	4,100
STH-8/19	3/3/2022	19'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.4	<47	<9.4	<47	2,900
STH-9/1	3/3/2022	1'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<9.7	<49	<9.7	<49	<60
STH-9/4	3/3/2022	4'	<0.023	<0.047	<0.047	<0.094	<0.09	<4.7	<9.2	<46	<9.2	<46	620
STH-10/1	3/3/2022	1'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	25	52	25	77	**1,200**
STH-10/4	3/3/2022	4'	<0.023	<0.046	<0.046	<0.092	<0.09	<4.6	<9.4	<47	<9.4	<47	420
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.

ATTACHMENT 1 – DEPTH-TO-GROUNDWATER DATA

RANGER ENVIRONMENTAL SERVICES, INC.
Ranger Environmental Services, LLC
P.O. Box 201179,
Austin, Texas 78720
Phone: (512)335-1785
Fax: (512)335-0527

BORING NUMBER SB-1

PAGE 1 OF 1

CLIENT EOG Resources, Inc.
PROJECT NAME Federal CM-1
PROJECT NUMBER 5375
PROJECT LOCATION Eddy County, New Mexico
DATE STARTED 9/26/22 **COMPLETED** 9/26/22
GROUND WATER LEVELS:
DRILLING CONTRACTOR HCI
AT TIME OF DRILLING --- Dry
DRILLING METHOD Air Rotary
AFTER DRILLING --- Dry
LOGGED BY William Kennedy **CHECKED BY** Patrick Finn
BTOC = Below Top Of Casing
GB = Grab Sample
GEO = Geotech Sample
GPS COORDINATES 32.66546743°, -104.55115675°

DEPTH (ft)	SOIL SAMPLE ANALYSIS	GROUNDWATER LEVELS (BTOC)	GRAPHIC LOG		MATERIAL DESCRIPTION	WELL DIAGRAM
0						Casing Type: 2" Diameter PVC Temp. Well
5				4.0	(GM) Silty Gravel, brown to tan, firm to stiff	
10					(ML) Clayey Silt, white to tan, stiff to very stiff	
15						
20						
25				25.0		
30					(ML) Clayey Sandy Silt, reddish-brown to maroon, very soft to firm	
35						
40						
45						
50						Riser
55						
60				60.0		
65				65.0	(ML) Clayey Sandy Silt, tan to pink, soft to very soft	
70					(ML) Clayey Sandy Silt, dark red, soft to very soft	
75						
80				80.0		
85				85.0	(ML) Clayey Sandy Silt, reddish-brown, soft to very soft to firm	
90					(ML) Clayey Sandy Silt, dark red, very soft to firm/some stiff	
95						
100						
105				105.0		Temporary Well Screen
				108.0	(ML) Clayey Sandy Silt, light brown to light red, very soft to firm	

Bottom of borehole at 108.0 feet- Dry upon completion.

NOTE: 72 hours after completion Ranger personnel evaluated the temporary well for the presence of water utilizing a Heron Instruments electronic water meter. No water was detected in the temporary well. Following completion of the investigation, the temporary well/soil boring was plugged and abandoned.

ENVIRONMENTAL BH - GINT STD US.GDT - 9/29/22 08:47 - R:\DRAFTING FILES\GINT LOGS\5375 - FEDERAL CM-1 - BORING LOGS.GPJ

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	2376	A	RPT	Temp Meter/Initial Reading	0
07/09/2012	2012	6707	A	RPT	Temp Meter/Final Reading	1.329
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

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

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 Station 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

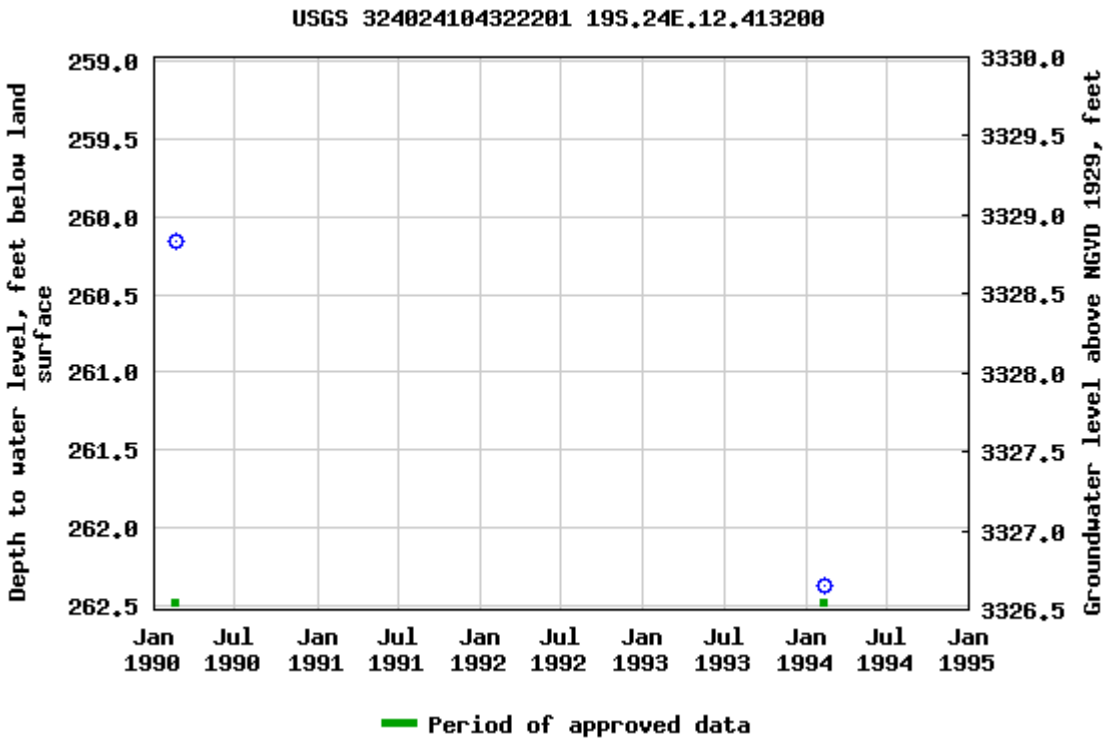
USGS 324024104322201 19S.24E.12.413200

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?
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Title: Groundwater for USA: Water Levels
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2021-08-03 12:12:21 EDT
0.71 0.63 nadww01

ATTACHMENT 2 – PHOTOGRAPHIC DOCUMENTATION

PHOTOGRAPH NO. 1 – A view of the soil boring/temporary well "SB-1" installation process. The view is towards the northwest.

(Approximate GPS: 32.665393, -104.551029)

PHOTOGRAPH NO. 2 – A view of the "SB-1" gauging activities on September 29, 2022. The view is towards the west.

(Approximate GPS: 32.66546743, -104.55115675)

ATTACHMENT 3 – NMOCD Correspondence

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Thursday, March 24, 2022 1:12 PM
To: Tina Huerta <Tina_Huerta@eogresources.com>
Subject: The Oil Conservation Division (OCD) has approved the application, Application ID: 92911

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#) nAPP2208340165,
with the following conditions:

- **When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141**

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,
Jocelyn Harimon
Environmental Specialist
575-748-1283
Jocelyn.Harimon@state.nm.us

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


napp2208340165_...

Form C-141
Page 5

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2208340165
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: 10/27/2022

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

OCD Only

Received by: Jocelyn Harimon Date: 10/28/2022

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

Signature: Robert Hamlet Date: 4/20/2023

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 154446

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 154446
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	The Remediation Plan is Conditionally Approved. All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Floor confirmation samples should be delineated/excavated to meet closure criteria standards for site assessment/characterization/proven depth to water determination. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Confirmation samples should be collected every 200 ft2. All off pad areas must meet reclamation standards set forth in the OCD Spill Rule. The work will need to occur in 90 days after the work plan has been approved.	4/20/2023