RANGER
ENVIRONMENTAL SERVICES, LLC

SITE CHARACTERIZATION AND REMEDIATION PLAN

SCOUT EH FEDERAL #6
UNIT G, SECTION 34, TOWNSHIP 18S, RANGE 35E
EDDY COUNTY, NEW MEXICO
32.706401, -104.470685
RANGER REFERENCE NO. 5375

PREPARED FOR:

EOG RESOURCES, INC.
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PREPARED BY:

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MAY 25, 2023

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1.0 SITE LOCATION AND BACKGROUND

The Scout EH Federal #6 well pad (Site) is located on private land, approximately 10 miles southwest of Artesia within Eddy County, New Mexico. The facility is situated in Section 34, T18S-R25E at GPS coordinates 32.706401, -104.470685.

The Site was utilized for oil and gas production activities for an extended period of time. Production activities at the Site have been concluded, the on-site well has been plugged and abandoned, all production equipment has been removed, and reclamation activities are to be conducted. In 2017 and 2018 representatives for EOG Resources, Inc. (EOG) conducted assessment activities at the Site with the goal to investigate and determine if adverse conditions associated with an unclosed release incident (NMOCD Incident ID #NCLB0525028137) and/or historic operations were present at the location. The unclosed incident occurred in September 2005, and information regarding the incident including location and severity of the impacts are limited. Based on the EOG completed assessment activities, impacts to native soils were documented to be present at the Site. The observed impacts at the Site are potentially related to the unclosed incident; however, based on the extent of the documented soil impacts it is possible that additional historic releases may have occurred at the location.

In 2019, EOG engaged Ranger Environmental Services, LLC (Ranger) to assist in the assessment, remediation and reclamation efforts at the Site. The initial assessment activities conducted at the site by Ranger were completed in February and March, 2019. Based upon these results, in September 2019, communications were initiated with NMOCD representative Mr. Bradford Billings in regard to the subject Site, as well as two additional release incidents (Stark BG Battery & Eagle Creek Pipeline Area NMOCD - Incident ID #s nAB1807452941 & nAB1807456505) located on the same surface owner's property.

Ranger's communications with Mr. Billings primarily pertained to the potential usage of soil amendments to address the elevated soil chloride concentrations at the above three sites. It was suggested by Mr. Billings and agreed to by all parties that a soil amendment remediation plan would first be prepared for the adjacent sites (Stark BG Battery & Eagle Creek Pipeline Area) which were being worked in conjunction with one another. This would allow for Mr. Billings to provide comments and possible revisions to these proposed remedial plans prior to the preparation of the soil amendment remedial plan for the subject release incident. This way, any modifications made to the Stark BG Battery & Eagle Creek Pipeline Area remediation plans could be incorporated into the remediation plan for the subject release incident.

Before a soil amendment remediation plan could be prepared for the subject Site, the surface landowner, who had initially given conceptual approval for the usage of soil amendments, denied the usage of soil amendment remediation methodologies to address the affected soils at the subject site. Based on the landowner denial of the proposed soil amendment remedial methods, EOG directed Ranger to prepare a revised site remediation plan that would incorporate traditional methods of soil remediation. As detailed below, prior to being able to prepare the site remediation plan, additional depth-to-groundwater investigative activities were determined to be needed, as well as additional site assessment. Ranger conducted four additional phases of site assessment in September 2022, October 2022, November 2022 and April 2023.

Included in the Figures section of the report are a *Topographic Map* and *Area Map* which illustrate the site location and surrounding areas, and a *Site Map* which illustrates the site features and sampling locations. The Form C-141 (*Release Notification, Site Assessment/Characterization and Remediation Plan*) documentation is also attached.

2.0 SITE CHARACTERIZATION

2.1 Depth-to-Groundwater

To determine the depth-to-groundwater in the vicinity of the Site, data available from the U.S. Geological Survey (USGS) and the New Mexico Office of the State Engineer (NMOSE) were initially reviewed. There was no depth-to-groundwater data less than 25 years old from wells located within a 0.5-mile radius of the subject site. While depth-to-groundwater data was available for one well located within a 0.5-mile radius of the subject site (USGS 324202104280402), the data was from 1984.

Overall, the USGS and NMOSE water well data indicate that groundwater in the area of the subject site is present at a depth of greater than 100 feet. Below is a summary of the available water well data for the past 40 years (1983-2023). This is still relatively current data and includes depth to water (DTW) data for the above-referenced well located within a 0.5-mile radius of the Site. In addition to the DTW data for these wells, Ranger has also included the surface elevations for the wells. For reference, the surface elevation for the subject site is approximately 3,495'.

- ***USGS 324202104280402***: Surface Elev. = 3,476'. DTW 169.40' (1984). Located ~0.4 mi. southeast.
- ***USGS 324220104264001***: Surface Elev. = 3,483'. DTW 210.43' (2015). Located ~1.5 mi. east.
- ***USGS 324250104265301***: Surface Elev. = 3,474'. DTW 164.84' (1988). Located ~0.4 mi. northeast.
- ***USGS 324331104264901***: Surface Elev. = 3,469'. DTW 191.75' (2015). Located ~1.9 mi. northeast.
- ***USGS 324251104304901***: Surface Elev. = 3,620'. DTW 300.20' (1984). Located ~2.6 mi. northwest.

As summarized above, the area depth-to-groundwater appears to be significantly deeper than 100 feet. The depth-to-groundwater for the two wells which had <25-year-old data ranged from 191.75' to 210.43' below ground surface. These wells had slightly lower, but roughly similar, surface elevations as the subject site.

Due to the lack of recent (<25 years old) depth-to-groundwater data for the area within a one-half mile radius of the subject site, a soil boring/temporary monitor well (SB-1) was installed at the Site in September 2022 for the purpose of collecting current depth-to-groundwater information. Ranger utilized HCI drilling to install the soil boring/temporary monitor well. The temporary monitor well was installed on September 27, 2022 at the location illustrated on the attached *Site Map*.

Soil boring/temporary monitor well SB-1 was drilled to a depth of approximately 105 feet below ground surface (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 30, 2022. Although it was anticipated that the well would be dry, temporary monitor well SB-1 was found to contain water at a depth of approximately 84.70 feet bgs. Based upon the above-summarized area depth-to-groundwater data, it did not appear that the water encountered in SB-1 was from the saturated zone below the area water table. Rather, it appeared that vadose water was perched on the clay unit present at an approximate depth of 90' bgs in SB-1. Upon completion of the depth-to-groundwater investigation activities, temporary monitor well SB-1 was properly plugged and abandoned.

In order to further evaluate whether the groundwater encountered in soil boring SB-1 was from the saturated zone below the area water table or was from a perched interval overlying the water table, two additional temporary monitor wells (B-1.A and B-3.A) were installed at the site on April 25, 2023 at the locations illustrated on the attached *Site Map*. As with temporary monitor well SB-1, these wells were also drilled to a depth of approximately 105 feet bgs utilizing air rotary drilling techniques and were completed as two-inch diameter temporary monitor wells. These wells were also allowed to equilibrate for 72 hours prior to gauging with a Heron Instruments electronic water level meter on April 28, 2022.

Upon gauging the wells on April 28, 2023, temporary monitor well B-1.A was found to be dry. Temporary monitor well B-3.A was found to contain groundwater at a depth of 73.18' bgs, and similar to temporary monitor well SB-1, the encountered groundwater was detected just above a clayey silt unit present at a depth of 75' bgs, and an underlying clay unit present at a depth of 85' bgs. Upon completion of the depth-to-groundwater investigation activities, the temporary monitor wells were properly plugged and abandoned.

Based upon the USGS water well depth-to-groundwater data summarized above, and the results of the depth-to-groundwater investigative activities conducted at the subject site, a discontinuous, perched water-bearing zone appears to be present at the site at an approximate depth of 73 to 85 feet bgs. Had the area water table been encountered, then temporary monitor well B-1.A should have also been found to contain groundwater, and the groundwater levels in the wells should have been relatively similar. If the encountered groundwater was from the saturated zone below the area water table, it is doubtful there would have been an approximate 12 foot difference between the SB-1 water level and the B-3.A water level as these wells were only located approximately 160 feet apart.

Although the actual water table depth at the subject site appears to be deeper than 100 feet bgs, as a conservative measure, the Table 1 NMAC 19.15.29.12 (depth-to-groundwater 51'-100') criteria were utilized for the site assessment activities and are also proposed to be utilized as part of the site Remediation Plan.

Copies of the reviewed depth-to-groundwater information and soil boring logs are attached.

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2.2 Wellhead Protection Area

Based upon the reviewed USGS and NMOSE information, Ranger identified two known water sources within a half-mile of the Site. The location and approximate distance to the sources are listed below:

Well ID	*Distance from Site*
USGS 324202104280402	*~1,997 feet south-southeast*
RA 07950	*~2,373 feet south*

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

The Site is noted to be in an area of “Low Karst” probability.

2.3 Identified Feature Area and Field Review

Upon review of the U.S. Fish and Wildlife Service National Wetlands Inventory, it was noted that a mapped feature was located to the west of the subject site and impacted area. The feature is classified on the U.S. Fish and Wildlife Service National Wetlands Inventory as “*Riverine*.” A riverine is defined as "*related to, formed by, or resembling a river*". Based on the mapped location of the riverine feature, portions of the impacted area at the Site are noted to fall within 300 feet of the feature.

On May 31, 2022, Ranger personnel mobilized to the Site to conduct a review of the area to the west of the Site where the mapped riverine feature was illustrated. The inspection completed by Ranger included the review of the area of likely waterflow, and the identification of predominant vegetation in the area. Upon inspection of the depicted “riverine” location, it was determined that the mapped riverine location appears to be misplotted.

The mapped riverine feature on the National Wetland Inventory Map Viewer was found to be located at a higher topographic location than the approximate midpoint of the dense vegetation area. During the inspection of the area, no defined bed, banks, or indication of water flow were observed. Ranger personnel collected GPS plot points of the lowest topographic area within the dense vegetation area which confirmed that this area was further west of the mapped riverine feature and in the approximate midpoint of the denser vegetative cover area.

The area of the mapped riverine feature was noted to have denser vegetative cover than the surrounding areas; however, the vegetation type is similar to that of the surrounding areas. The observed predominant vegetation was comprised of mixed grasses (switchgrass, *Panicum Virgatum* and blue gramma, *Bouteloua gracilis*), Honey Mesquite (*Propis glandulosa),* Broom Snakeweed (*Guiterrezia sarothrea),* and Catclaw Acacia (*Senegalia greggii).* The observed vegetation is not classified as hydrophytic vegetation indicative of a wetland feature.

Based on the documented location of probable waterflow, observed vegetation types, and lack of defined bed or banks, it does not appear that a wetland feature exists near the Site, and the riverine feature is located to the west of where it is mapped. Based on the observed conditions, the area does not appear to warrant the utilization of more stringent Table 1 Criteria as required by NMAC 19.15.29.12(C).

2.4 Proposed Closure Criteria

Based on current Site characterization details, it is proposed to remediate the site to the Table 1 NMAC 19.15.29.12 (depth-to-groundwater 51'-100') criteria. As the Site is no longer active, the remediation activities will also be conducted to bring the site into compliance with the Restoration, Reclamation and Re-vegetation criteria detailed in 19.15.29.13 NMAC. The proposed site closure criteria are detailed below:

PROPOSED SITE 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 51'-100')	10,000	2,500	1,000	50	10
19.15.29.13 NMAC Restoration, Reclamation and Re-Vegetation (Soils 0'-4')	600	100*	---	50*	10*

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

**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 SITE ASSESSMENT

3.1 Soil Sampling Activities (April 2017 – August 2018)

Between April 2017 and August 2018, EOG Y personnel collected a total of 47 grab soil samples for laboratory analysis and 33 soil samples for field chloride screening from various locations and depths at the Site and from both test excavations and soil borings. The samples submitted to the laboratory were analyzed for total petroleum hydrocarbons (TPH), benzene, toluene, ethylbenzene and xylenes (BTEX) and/or total chloride.

The laboratory analytical results documented the presence of elevated chloride concentrations at various locations across the Site. Elevated TPH concentrations in exceedance of the 19.15.29.12 NMAC Table 1 Closure Criteria were also documented in the upper four feet of soil. The sampling activities were successful in delineating the soil chloride concentrations to below 600 parts per million (mg/Kg) in several locations. Based on the soil sampling activities conducted between April 2017 and August 2018, chloride was determined to be the primary constituent of concern (COC) and additional assessment was determined to be necessary to delineate the extent of the chloride impacts.

The attached *Delineation Soil Sample Location Map* depicts the soil sample locations. Summary tables of the soil sample analytical and field screening results are provided in the *Tables* section of this report. Copies of the laboratory analytical reports are also attached.

3.2 Electromagnetic Survey (February 2019)

Prior to conducting additional soil sampling activities, Ranger first conducted an electromagnetic (EM) survey at the Site on February 12, 2019. The goal of the EM survey was to assist in the delineation of the chloride-affected soils and to identify areas that required further assessment and sampling. The EM survey was performed using a Geonics EM-38 Ground Conductivity Meter (GCM).

The GCM measures terrain conductivity and has an effective depth-of-exploration of approximately five feet below ground surface (bgs). Ranger utilized the GCM in both a vertical and horizontal orientation. The vertical orientation produces a maximum depth of investigation of approximately 5 feet, while the horizontal orientation surveys to approximately 2.5 feet. The equipment produces data values as averages for the entire soil column from the surface to either a depth of approximately 2.5 feet or the surface to a depth of approximately 5 feet.

During the site EM survey, Global Positioning Systems (GPS) equipment was utilized to position the collected geophysical data. After the data was acquired, geotechnical software was utilized to process the EM information utilizing a proprietary software package and the results were contoured using Golden Software's Surfer 16 contouring and mapping program.

The EM survey data was subsequently referenced to the chloride analytical data from the April 2017 through August 2018 soil sampling activities. The chloride analytical data were compared to the EM survey conductivity readings and two interpretive maps were produced. The two maps depict soil conductivity readings associated with elevated chloride concentrations from ground surface to a depth of approximately 2.5 feet, and from ground surface to a depth of approximately 5 feet. The interpretive maps are provided in the *Figures* section of the report.

3.3 Soil Sampling Activities (March 2019)

On March 5, 2019, utilizing the results of the EM survey, additional soil delineation/sampling activities were conducted at the Site. A total of 24 test excavations (RSL-1 through RSL-15 and RDS-1 through RDS-9) were strategically completed within and surrounding the areas of impact depicted in the interpretative EM survey maps.

The test excavations were completed to a depth of approximately four feet bgs utilizing a backhoe. Ranger field screened the soils from each one-foot interval utilizing an organic vapor monitor (OVM) to detect the potential presence of hydrocarbons. Field chloride titrations were performed on select samples to assist in the assessment of the soil conditions and the placement of additional test excavations. Ranger's field observations and OVM readings both indicated that chloride is the primary COC at the Site as there were no obvious indications of potential hydrocarbon impacts and no detectable OVM readings. Soil samples were subsequently collected for laboratory analysis at one-foot intervals during the installation of each test excavation.

A total of 96 soil samples were collected during the March 5, 2019 sampling activities. Upon collection, the soil samples were submitted to Cardinal Laboratories in Hobbs, New Mexico for analysis of chloride using Method SM4500Cl-B. The samples were managed using standard QA/QC and chain-of-custody procedures.

Upon review, the March 5, 2019 soil sample analytical results were determined to have been successful in delineating the areal extent of the soil chloride impacts to levels below the proposed

closure criteria. The March 5, 2019 soil sampling locations are illustrated on the attached *Delineation Soil Sample Location Map*. The soil sample results are summarized in the attached "*Cumulative Soil BTEX, TPH & Chloride Analytical Data*" table. Copies of the laboratory analytical reports are also attached.

3.4 Vertical Delineation Test Excavations (October 2022)

Following the installation and gauging of soil boring/temporary monitor well (SB-1) in September 2022 which documented the presence of groundwater at a depth of approximately 84.70 feet bgs, a decision was made to assess the site under the assumption that the depth-to-groundwater was greater than 50 feet and less than or equal to 100 feet. As discussed previously, this was a conservative decision as the groundwater detected in temporary monitor well SB-1 appeared to be vadose water perched on a clay unit overlying the area water table. As required by 19.15.29.11(A)(5)(c) NMAC, for sites where the depth-to-groundwater is greater than 50 feet and less than or equal to 100 feet, the vertical extent of chloride impacts must be delineated to 600 mg/kg chloride (or background) if the release contains produced water that exceeds 10,000 mg/l of chloride and the release is of an unknown quantity. Since the site impacts appear to be associated with a historic release and the date and volume of the release are unknown, it was assumed that the released produced water exceeded 10,000 mg/l chloride.

On October 28, 2022, vertical delineation activities were initiated at the subject site. The initial plans were to install seven vertical delineation test excavations at the areas of the site which appeared to be the most highly impacted based upon the prior site assessment and EM survey results. Ultimately, only two vertical delineation test excavations (TH-1 and TH-2) were installed at the Site on this date since it was apparent after the installation and field screening of the initial two test excavations that a drilling rig would be required to achieve the 600 mg/Kg chloride vertical delineation goal. It should be noted that TH-2 was installed near former soil boring CRSP 1 which at that time had the deepest documented site chloride impact (3,440 mg/Kg at 60' bgs).

The test excavations were completed to a depth of approximately 17'-20' bgs (the limit of the on-site backhoe). Ranger field screened the soils from each one-foot interval utilizing an OVM and field chloride titration kit. All field chloride results were found to exceed 600 mg/Kg chloride. No elevated OVM readings were obtained at the TH-1 location; however, OVM readings ranging from 11 to 940 parts per million vapor (ppm_v) were detected in the samples collected below 9' bgs in test excavation TH-2. Soil samples were subsequently collected from TH-1 at depths of 19' and 20' bgs to document the constituent of concern (COC) concentrations at the terminal depth of this test excavation. Soil samples were collected from test excavation TH-2 at depths of 12' (depth of the highest field chloride result) and 17' bgs (depth of the highest OVM reading).

Upon collection, the soil samples were submitted to Hall Environmental Laboratory in Albuquerque, New Mexico for analysis of TPH (Method 8015), BTEX (Method 8021), and total chloride (Method 300.0). The samples were managed using standard QA/QC and chain-of-custody procedures.

The October 28, 2022 soil analytical data documented exceedances of the 600 mg/Kg chloride vertical delineation goal thus confirming that additional vertical delineation activities would need to be conducted using a drilling rig. The TH-2 soil analytical results also documented exceedances of the 19.15.29.12 NMAC Table 1 Closure Criteria (GW 51'-100') for BTEX, TPH (GRO+DRO) and TPH (GRO+DRO+MRO).

The October 28, 2022 soil sampling locations are illustrated on the attached *Site Map.* The soil sample results are summarized in the attached "*Cumulative Soil BTEX, TPH & Chloride Analytical Data*" table. Copies of the laboratory analytical reports are also attached.

3.5 Vertical Delineation Soil Borings (November 2022)

As discussed above, the October 28, 2022 vertical delineation test excavation results documented that a drilling rig would be required to achieve the 600 mg/Kg chloride vertical delineation goal. As such, on November 12, 2022, Ranger personnel and representatives for HCI Drilling returned to the Site to install three vertical delineation soil borings (B-1, B-2 & B-3). The drilling and sampling was accomplished using air rotary drilling techniques (with split spoon samplers). The attached "*Site Map*" illustrates the locations of the three soil boring locations. The rationale for the soil boring locations was as follows:

- ***Soil boring B-1:*** This soil boring was installed at the approximate location of the October 28, 2022 vertical delineation test excavation TH-2. As discussed above, TH-2 had been installed near former soil boring CRSP 1 which at that time had the deepest documented site chloride impact (3,440 mg/Kg at 60' bgs). The TH-2 soil analytical data had also documented exceedances of the 600 mg/Kg chloride vertical delineation goal at its termination depth of 17' bgs, and the soils within this test excavation were also documented to exceed the 19.15.29.12 NMAC Table 1 Closure Criteria (GW 51'-100') for BTEX, TPH (GRO+DRO) and TPH (GRO+DRO+MRO).

- ***Soil Boring B-2:*** This soil boring was installed at the approximate location of the former CRSP 3 soil boring location which at that time had the second deepest documented site chloride impact (2,200 mg/Kg at 25' bgs).

- ***Soil Boring B-3:*** This soil boring was installed at the approximate location of the former RSL-7 test excavation location which had the highest soil chloride concentration documented at the site (10,300 mg/Kg).

Soil samples were continuously collected and monitored during the drilling process, and each soil sample was inspected and described by the on-site Ranger field geologist. The soils were continuously screened utilizing an OVM and field chloride titration kit. The field readings were utilized to determine the appropriate depth of investigation, as well as to assist in the selection of soil samples for laboratory analysis. Below is a summary of pertinent field observations made during the performance of the soil boring activities:

Soil Boring "B-1"

- Elevated field chloride readings (>600 mg/Kg) were encountered from the surface to a depth of approximately 65 feet bgs. No elevated field chloride readings were encountered at the terminal depth of 70' bgs.

- Elevated field OVM readings and hydrocarbon odor were encountered from approximately 45' - 65' bgs. The OVM readings ranged from 3.1 – 40.6 ppm_v.

Soil Boring "B-2"

- This soil boring was advanced to a depth of 25' bgs where it was halted due to the absence of any OVM readings, hydrocarbon odor or significantly elevated field chloride readings. The only depth interval within this boring which contained a field chloride reading in excess of 600 mg/Kg was from the 10' bgs depth interval where a 900 mg/Kg field chloride reading was obtained.

Soil Boring "B-3"

- Elevated field chloride readings were encountered from the surface to a depth of approximately 45 feet bgs. No elevated field chloride readings (in excess of 600 mg/Kg) were encountered between 45' bgs and the terminal boring depth of 60' bgs.

- Slightly elevated field OVM readings were encountered from approximately 40' - 45' bgs. The OVM readings ranged from 2.2 – 5.8 ppm_v.

In order to confirm the field screening results, two soil samples were collected for laboratory analysis from each soil boring. Samples were collected from boring B-1 at depth of 45' bgs (interval containing the highest OVM reading and field chloride result) and at the boring terminal depth of 70' bgs. Samples were collected from boring B-2 at depth of 10' bgs (interval containing the highest field chloride result) and at the boring terminal depth of 25' bgs. Samples were collected from boring B-3 at depth of 40' bgs (interval containing the highest OVM reading) and at the boring terminal depth of 60' bgs.

Upon collection, the soil samples were submitted to Hall Environmental Laboratory in Albuquerque, New Mexico for analysis of TPH, BTEX, and total chloride using the aforementioned laboratory methods. The samples were managed using standard QA/QC and chain-of-custody procedures.

During the installation of the three soil borings, no saturated soils were encountered, and the borings were all found to be dry. As such, the soil borings were properly plugged and abandoned by the on-site driller.

The November 12, 2022 soil analytical data documented that soil borings B-1 and B-3 had elevated chloride concentrations remaining at their terminal depths of 70' and 60' (1,900 mg/Kg and 1,300 mg/Kg, respectively). Soil boring B-2 was found to contain 450 mg/Kg chloride at its terminal depth of 25'. There were no BTEX or TPH exceedances of the proposed site closure criteria documented in the soil borings.

Ranger notes that there were significant discrepancies between the terminal depth laboratory chloride concentrations in soil borings B-1 and B-3 versus the terminal depth field chloride readings from these borings (600 mg/Kg in B-1 and 450 mg/Kg in B-3). The terminal depth laboratory chloride concentration in soil boring B-2 was exactly the same as the terminal depth field chloride reading from this boring (450 mg/Kg). The cause of the variability in the B-1 and B-3 terminal depth chloride results is unknown. However, for decision-making purposes, the laboratory analytical data was utilized.

In summary, the November 12, 2022 soil analytical data documented exceedances of the 600 mg/Kg chloride vertical delineation goal thus documenting that additional vertical delineation activities would be needed.

The soil sample results are summarized in the attached "*Cumulative Soil BTEX, TPH & Chloride Analytical Data*" table. Copies of the laboratory analytical reports and soil boring logs are also attached.

3.6 Vertical Delineation Soil Borings (April 2023)

As discussed above, the November 12, 2022 vertical delineation soil boring results documented that additional delineation would be required to achieve the 600 mg/Kg chloride vertical delineation goal. As such, on April 25, 2023, Ranger personnel and representatives for HCI Drilling returned to the Site to install two additional vertical delineation soil borings (B-1.A & B-3.A) offset to the November 12, 2022 soil borings. The drilling and sampling was accomplished using air rotary drilling techniques (with split spoon samplers). The attached "*Site Map*" illustrates the locations of the soil boring locations.

Soil samples were continuously collected and monitored during the drilling process, and each soil sample was inspected and described by the on-site Ranger field geologist. The soils were continuously screened utilizing an OVM and field chloride titration kit. The field readings were utilized to determine the appropriate depth of investigation, as well as to assist in the selection of soil samples for laboratory analysis. Below is a summary of pertinent field observations made during the performance of the soil boring activities:

Soil Boring "B-1.A"

- Elevated field chloride readings (>600 mg/kg) were encountered from the surface to a depth of approximately 75 feet bgs. At a depth of 80' bgs the field chloride result dropped to below 300 mg/kg.

- No significantly elevated field OVM readings were encountered during the soil boring installation.

Soil Boring "B-3.A"

- Elevated field chloride readings (>600 mg/kg) were encountered from the surface to a depth of approximately 60 feet bgs. Between 60' bgs and 80' bgs, the field chloride results ranged from 300 – 600 mg/kg.

- No significantly elevated field OVM readings were encountered during the soil boring installation.

In order to confirm the field screening results, two to three soil samples were collected for laboratory analysis from each soil boring. Samples were collected from boring B-1.A at depths of 60' bgs (highest field chloride result) and 80' bgs (depth where field chloride result dropped to 300 mg/Kg). Samples were collected from boring B-3.A at depths of 40' bgs (highest field chloride result), 70' bgs (depth where field chloride results dropped to 450 mg/kg), and 80' bgs (depth where field chloride result dropped to 300 mg/kg).

Upon collection, the soil samples were submitted to Cardinal Laboratories in Hobbs, New Mexico for analysis of TPH (Method 8015M), BTEX (Method 8021), and total chloride (Method SM4500Cl-B). The samples were managed using standard QA/QC and chain-of-custody procedures.

During the installation of the soil borings, no obvious saturated soils were encountered. However, as discussed in Section 2.1, above, these two soil borings were then advanced to a terminal depth of 105' bgs and converted to temporary monitor wells to collect additional site-specific depth-to-groundwater information due to the questionable results obtained by the initial depth-to-groundwater soil boring SB-1. As discussed in Section 2.1, upon gauging the wells on April 28, 2023, temporary monitor well B-1.A was found to be dry. Temporary monitor well B-3.A was found to contain groundwater at a depth of 73.18' bgs. The results of the depth-to-groundwater investigative activities conducted at the subject site suggest that a discontinuous, perched water-bearing zone appears to be present at the site at an approximate depth of 73 to 85 feet bgs which overlies the deeper area water table.

In summary, the April 25, 2023 soil analytical data documented achievement of the 19.15.29.11(A)(5)(c) NMAC 600 mg/Kg chloride vertical delineation goal at a depth of 80' bgs in soil boring B-1.A and at 70' bgs in soil boring B-3.A. There were no detectable BTEX or TPH concentrations in the samples collected from these borings.

The soil sample results are summarized in the attached "*Cumulative Soil BTEX, TPH & Chloride Analytical Data*" table. Copies of the laboratory analytical reports and soil boring logs are also attached.

3.7 Ranger Sampling Methodologies

Ranger personnel wore new latex or nitrile gloves while handling each soil sample in order to prevent cross-contamination of samples. The soil samples were containerized in sterile, laboratory-supplied containers, and were subsequently sealed in one or more zip lock bags and stored in a sample shuttle containing ice until arrival at the laboratory for chemical analysis. All sample containers were labeled with the project name, sample identification, date of sample collection, samplers' initials, and the time the sample was collected.

4.0 PROPOSED REMEDIATION PLAN

In order to address the elevated soil COC concentrations, removal of the 0'-4' bgs affected soils is proposed along with the placement of a Bentomat® Geosynthetic Clay Liner (GCL). Although delineation sample results indicate that the remaining soil at the four foot depth interval will meet the confirmation criteria set fourth in 19.15.29.12 NMAC, EOG respectfully requests a variance to allow for the utilization of a geosynthetic clay liner (GCL). The placement of the liner was a stipulation of the surface owner required to gain approval for the proceeding with remediation. The GCL will also serve to limit any future leaching of the deeper soil COCs located below 4' bgs. A *Proposed Soil Excavation Map* is attached which illustrates the proposed excavation areas (Areas A through F). Below is a summary of the proposed soil removal, management, and liner installation activities:

4.1 Soil Excavation and Disposal (Area A)

Soil excavation throughout the majority of the affected area (Area A) will be conducted to a depth of approximately four feet bgs. The excavated soils from this area will be disposed at an

authorized off-site disposal facility. It is anticipated that the Area A excavation activities will generate approximately 8,800 cubic yards of soil.

During the excavation process, Ranger personnel will conduct visual inspections, collect field OVM readings and perform field chloride titrations to guide the areal limits of the excavation and determine when the excavated area appears to have been completed to appropriate boundaries. If the field screening activities indicate that additional removal is necessary in certain locations, then additional horizontal excavation activities will be conducted until it appears that the target closure criteria have been achieved.

As referenced above, during the October 2022 vertical delineation assessment activities one sample location (TH-2) was noted to have exceedances of the 19.15.29.12 NMAC Table 1 Closure Criteria (GW 51'-100') for BTEX, TPH (GRO+DRO) and TPH (GRO+DRO+MRO). Based on the soil sample analytical results from assessment locations completed in the immediate vicinity of the TH-2 sample location, the elevated TPH concentrations are believed to be associated with a localized area of impact and/or cross contamination from overlying soils or the equipment utilized during the assessment process. To adequately address the area, excavation will initially be completed to a depth of four feet bgs and the area will be assessed via field readings and laboratory confirmation sampling. The results of the field readings and/or laboratory analytical results will be utilized to guide and complete the area to boundaries and depths where soil concentrations are documented to be within the target closure criteria via confirmation sampling, detailed below.

4.2 Soil Segregation and Blending (Areas B – F)

Several locations sampled during the March 5, 2019 assessment activities were documented to contain chloride concentrations above the restoration, reclamation and re-vegetation criteria at depth. However, these locations were also noted to have minimal (<600 mg/Kg) chloride concentrations in the overlying and underlying soil intervals. In order to minimize waste, Ranger proposes to segregate and separately stockpile the unaffected soil intervals that were found to contain <600 mg/Kg chloride from those requiring off-site disposal. These soils will subsequently be sampled to confirm the absence of any impacts, and if confirmed to be unaffected, will be used to backfill the site excavation. The soil intervals documented to contain exceedances of the reclamation criteria will be excavated and disposed at an authorized off-site disposal facility.

Below is a summary of the unaffected soil intervals in Areas B - F that will be stockpiled and sampled for possible re-use versus those intervals that will be excavated and disposed:

Area (Sample ID)	*Unaffected Soil Interval*	*Soil Excavated for Disposal*
Area B (RDS-4)	*0'-1'*	*1'-3'*
Area C (RDS-6)	*0'-3'*	*3'-4'*
Area D (RSL-12)	*0'-2'*	*2'-3'*
Area E (RSL-14)	*0'-1'*	*1'-4'*
Area F (RSL-15)	*0'-2'*	*2'-3'*

The excavated materials designated for potential re-use as backfill will initially be segregated and staged in approximate 100 cubic yard stockpiles on a plastic liner. Confirmation soil samples will subsequently be collected from the stockpiles to confirm whether the stockpiles meet the required criteria for restoration, reclamation and re-vegetation. The confirmation soil samples will be collected as five-part composite samples at a frequency of four composite samples per 100 cubic yards of material. The samples will be submitted for laboratory analysis of BTEX, TPH and

chloride using approved laboratory methods. If the sample analytical results indicate that the material has been impacted above the restoration, reclamation and re-vegetation criteria, the material will be removed from the Site for disposal.

Ranger anticipates the re-use of approximately 686 cubic yards of soil, and the off-site disposal of an additional 929 cubic yards of soil.

4.3 Cleanup Confirmation Sampling

Upon completion of the soil excavation activities, cleanup confirmation soil samples will be collected from the excavated areas for laboratory analysis. To document the COC concentrations remaining within the base of the excavated areas, soil samples will be collected as five-point composite samples representing no greater than 500 square feet. To confirm that the excavation sidewalls were completed to appropriate boundaries, cleanup confirmation soil samples will be collected from the sidewalls in accordance with NMAC 19.15.29.12 Subsection D as five-part composite samples representing no more than 200 square feet.

Upon collection, the samples will be submitted for laboratory analysis of BTEX, TPH and chloride using NMOCD approved laboratory methods. The soil samples will be compared to the Restoration, Reclamation and Re-vegetation criteria in order to ensure that these criteria have been met for the 0'-4' bgs soil interval.

In the event that a cleanup confirmation soil sample is documented to exceed the reclamation criteria in the 0'-4' depth interval, the area will be over-excavated and additional cleanup confirmation soil sample(s) will be collected in accordance with NMAC 19.15.29.12 subsection D.

4.4 Site Completion and Liner Installation Variance Request

As summarized above, the placement of a liner within the excavation base is a requirement of the surface owner. The liner will also serve to limit any future leaching of the deeper soil COCs remaining below 4' bgs. EOG therefore respectfully requests a variance to NMAC 19.15.29.12 to allow for the installation of a Bentomat® Geosynthetic Clay Liner (GCL) in the base of the excavated areas.

Upon completion of the proposed soil removal activities and confirmation that all areas have attained the reclamation criteria, a GCL will be installed in the base of the excavated area. Following the installation of the GCL, backfilling operations will be completed. The excavated material designated for re-use will be utilized as fill material in the lowest portions of the excavated area. The remaining excavated area will be backfilled with clean imported topsoil bringing the location back to grade. The location will subsequently be re-vegetated in accordance with 19.15.29.13 NMAC.

4.5 Remediation Schedule

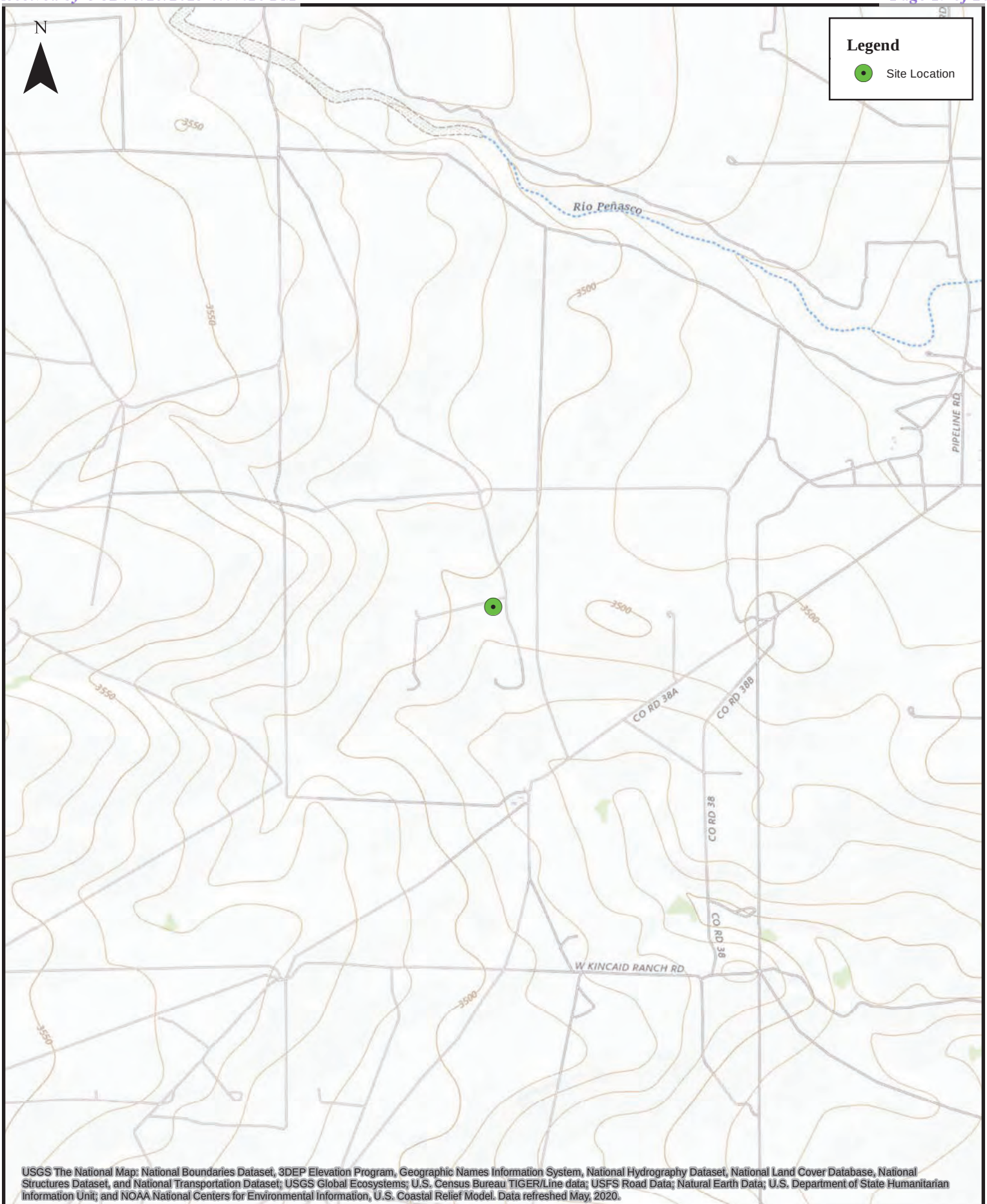
Upon approval of the proposed remediation plan, all field activities will be scheduled as soon as reasonably possible. It is anticipated that the remediation plan can be completed within 90 days of initiation. If field conditions dictate that the schedule will be in excess of 90 days (or nearing the 90-day timeframe), the OCD will be updated accordingly, and a time extension will be respectfully requested.

5.0 SITE CLOSURE

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

FIGURES

Topographic Map
Area Map
Site Map
Water Well Location Map
Karst Topography Map
National Wetland Well Inventory Map
FEMA Floodplain Map
Delineation Soil Sample Location Map
Interpretative Map (0’ – 2.5’)
Interpretative Map (0’ – 5’)
Proposed Soil Excavation Map



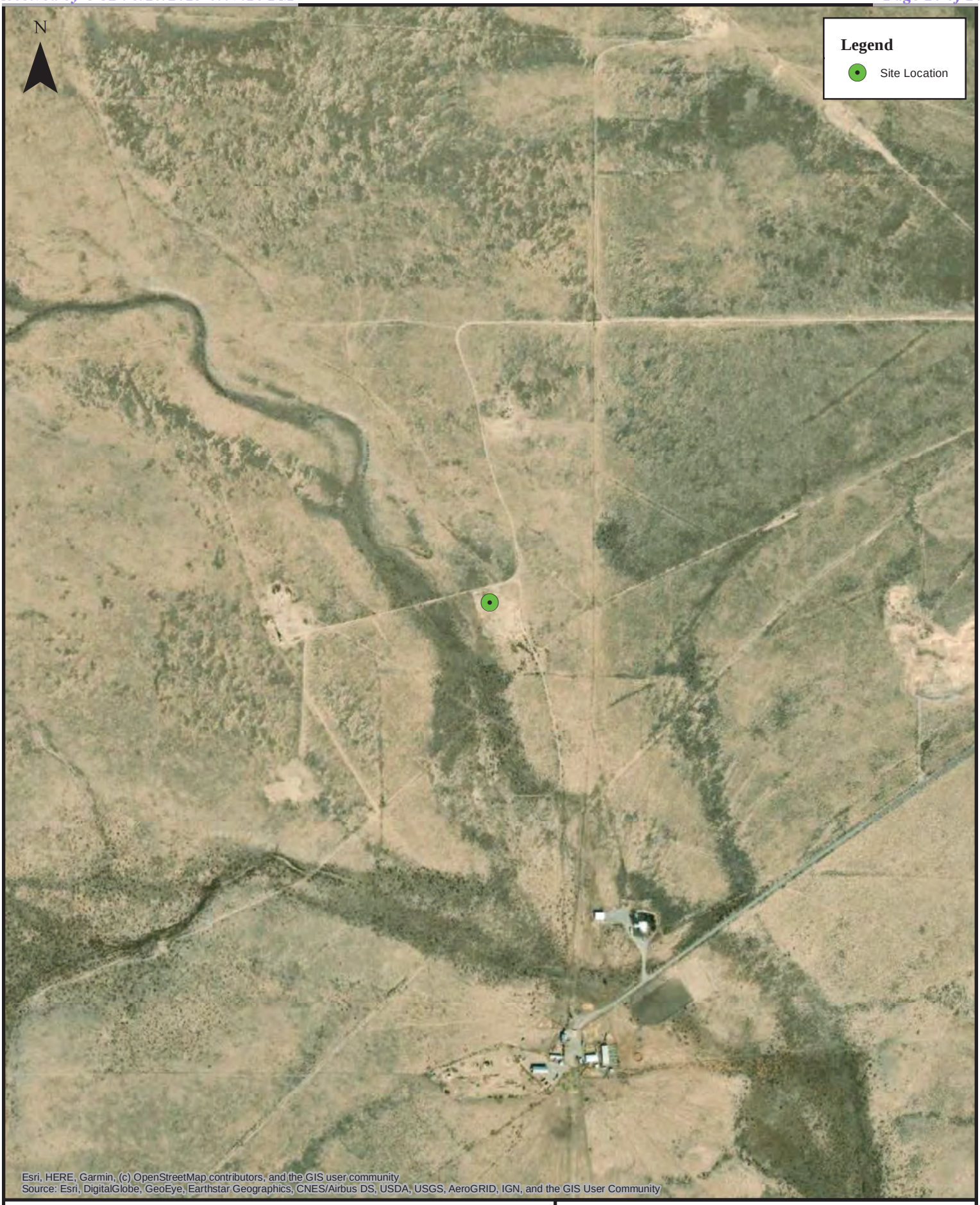
USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS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

RANGER ENVIRONMENTAL SERVICES, INC.

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

1:24,000

Topographic Map
Scout EH Federal #6
EOG Resources, Inc.



RANGER ENVIRONMENTAL SERVICES, INC.

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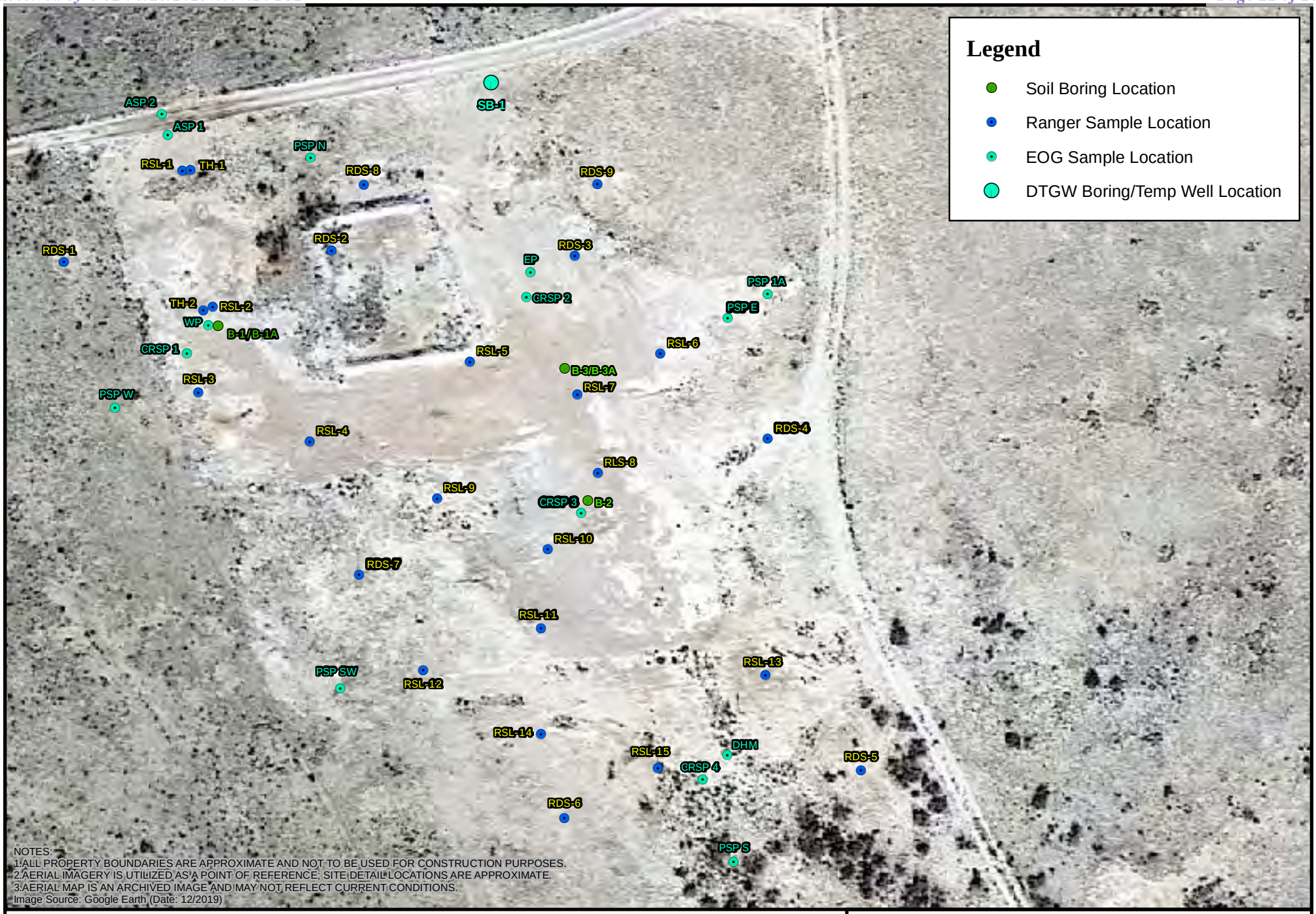
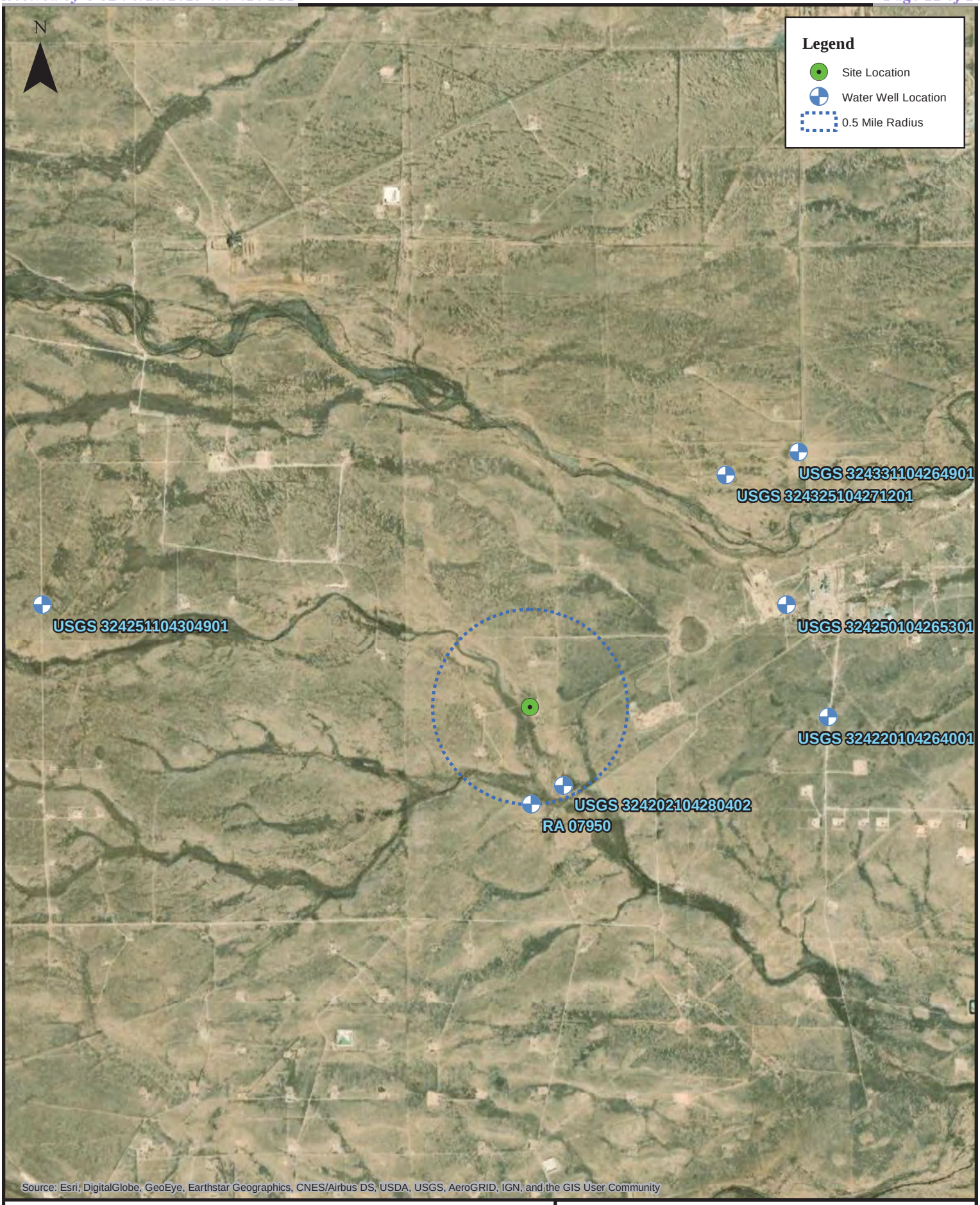
1:10,000

Area Map
Scout EH Federal #6
EOG Resources, Inc.


Legend
Soil Boring Location
Ranger Sample Location
EOG Sample Location
DTGW Boring/Temp Well Location
SB-1
ASP 2
ASP 1
PSP N
RSL-1
TH-1
RDS-8
RDS-9
RDS-1
RDS-2
RDS-3
EP
CRSP 2
PSP 1A
PSP E
TH-2
RSL-2
WP
B-1/B-1A
CRSP 1
RSL-5
RSL-6
B-3/B-3A
RSL-3
RSL-7
PSP W
RSL-4
RDS-4
RLS-8
RSL-9
CRSP 3
B-2
RSL-10
RDS-7
RSL-11
RSL-13
PSP SW
RSL-12
RSL-14
DHM
RSL-15
RDS-5
CRSP 4
RDS-6
PSP S
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 DETAIL LOCATIONS 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, LLC
0 20 40 80 120 160
Feet
N
Site Map
Scout EH Federal #6
EOG Resources, Inc.

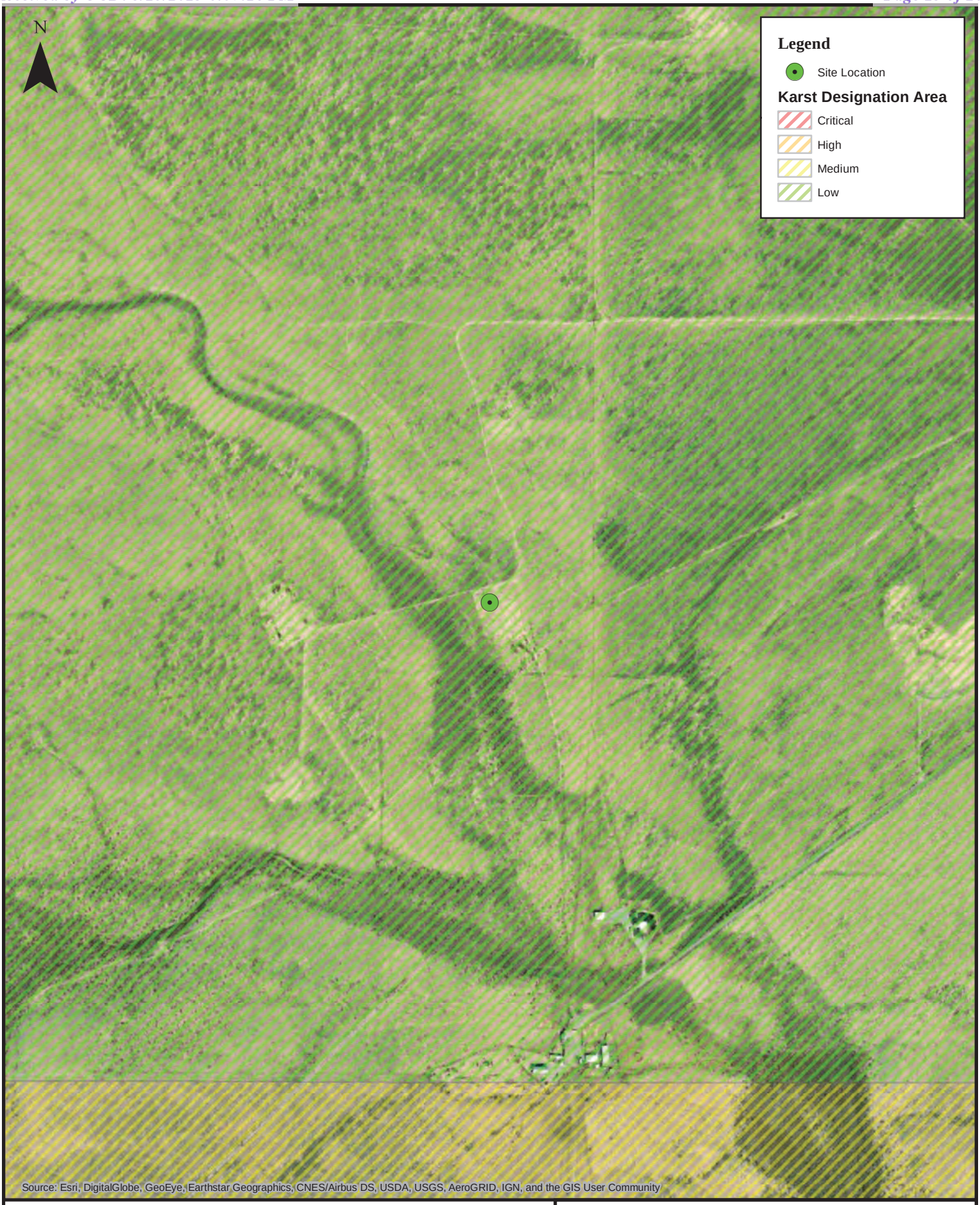


RANGER ENVIRONMENTAL SERVICES, INC.

0 1,000 2,000 4,000 6,000 8,000 Feet

1:40,000

Water Well Location Map
Scout EH Federal #6
EOG Resources, Inc.

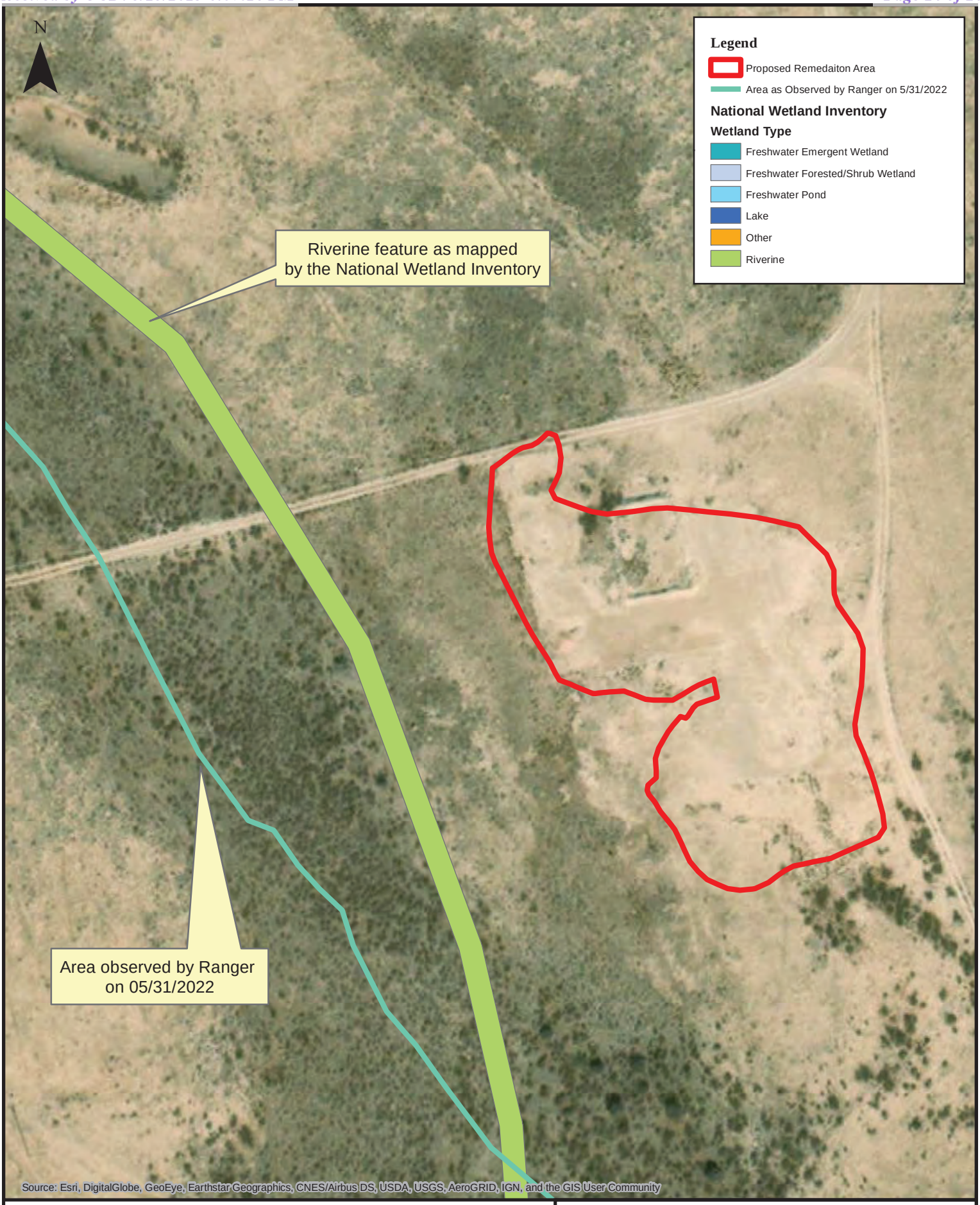


RANGER ENVIRONMENTAL SERVICES, INC.

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

1:10,000

Karst Topography Map
Scout EH Federal #6
EOG Resources, Inc.

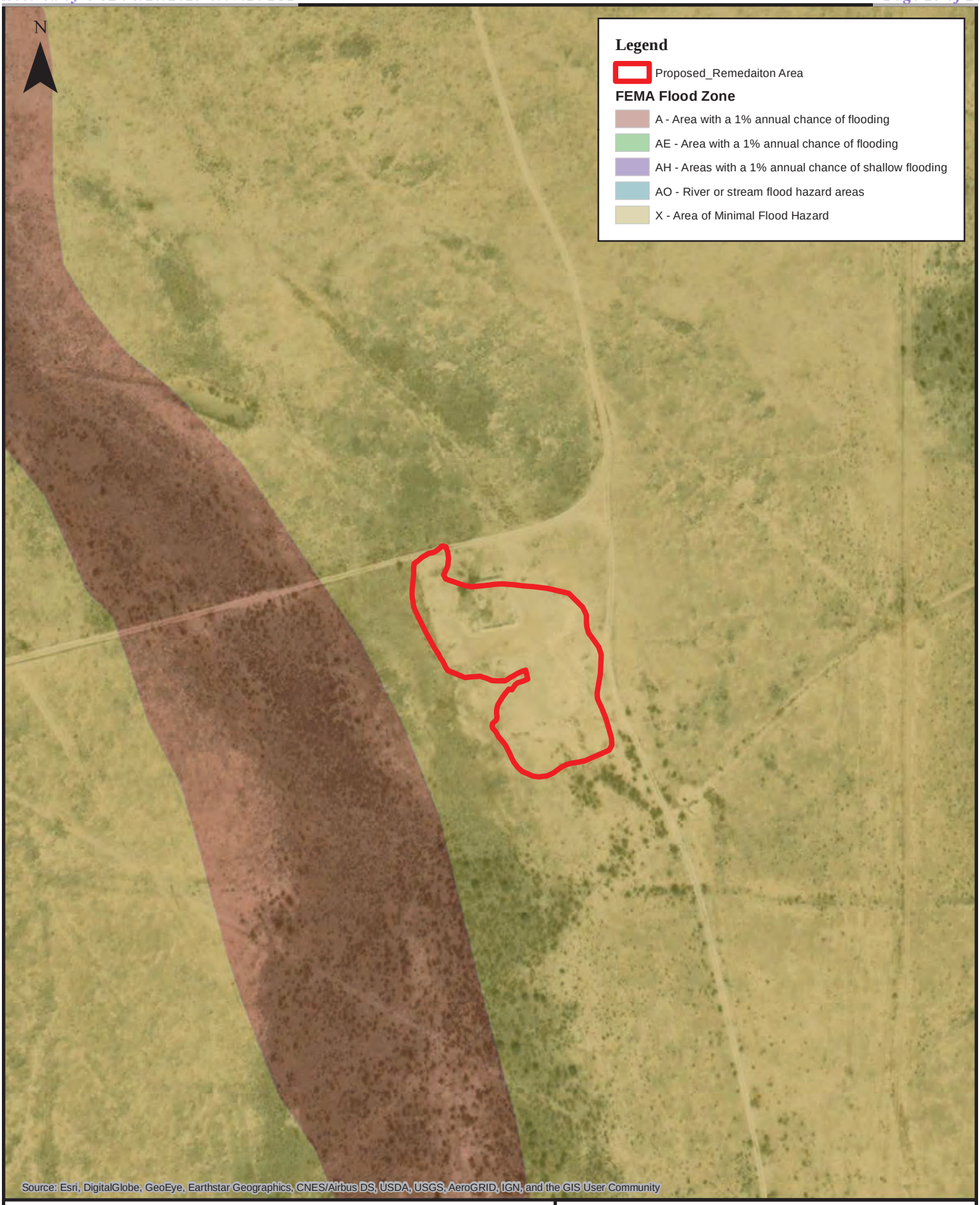


RANGER ENVIRONMENTAL SERVICES, INC.

0 30 60 120 180 240 Feet

1:1,263

National Wetland Inventory Map
Scout EH Federal #6
EOG Resources, Inc.

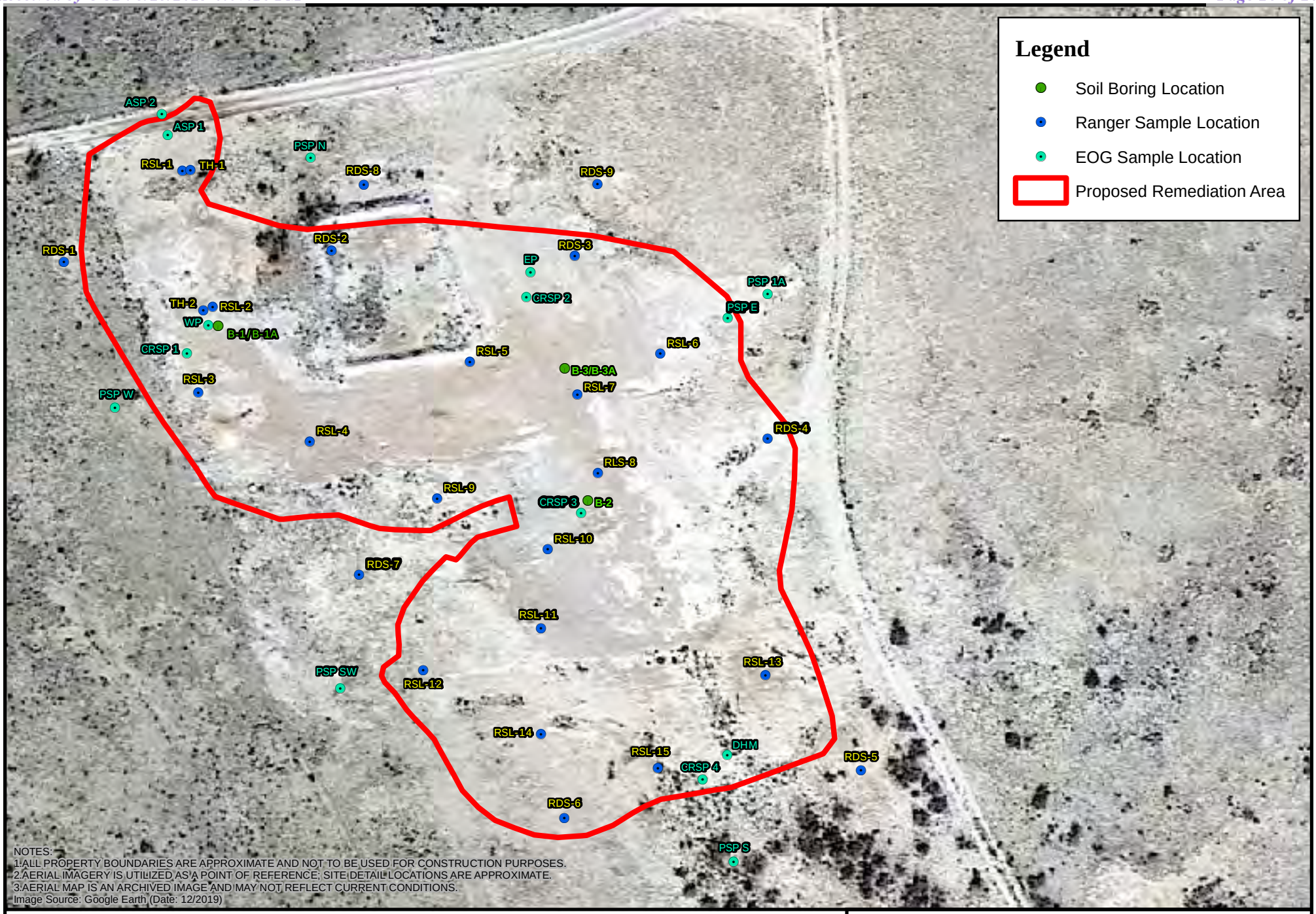


RANGER ENVIRONMENTAL SERVICES, INC.

0 62.5 125 250 375 500 Feet

1:2,500

FEMA Floodplain Map
Scout EH Federal #6
EOG Resources, Inc.


Legend
Soil Boring Location
Ranger Sample Location
EOG Sample Location
Proposed Remediation Area
ASP 2
ASP 1
PSP N
RSL-1
TH-1
RDS-8
RDS-9
RDS-1
RDS-2
RDS-3
EP
PSP 1A
CRSP 2
PSP E
TH-2
RSL-2
WP
B-1/B-1A
CRSP 1
RSL-5
RSL-6
B-3/B-3A
RSL-3
RSL-7
PSP W
RDS-4
RSL-4
RLS-8
RSL-9
CRSP 3
B-2
RSL-10
RDS-7
RSL-11
RSL-13
PSP SW
RSL-12
RSL-14
DHM
RSL-15
CRSP 4
RDS-5
RDS-6
PSP S
NOTES:
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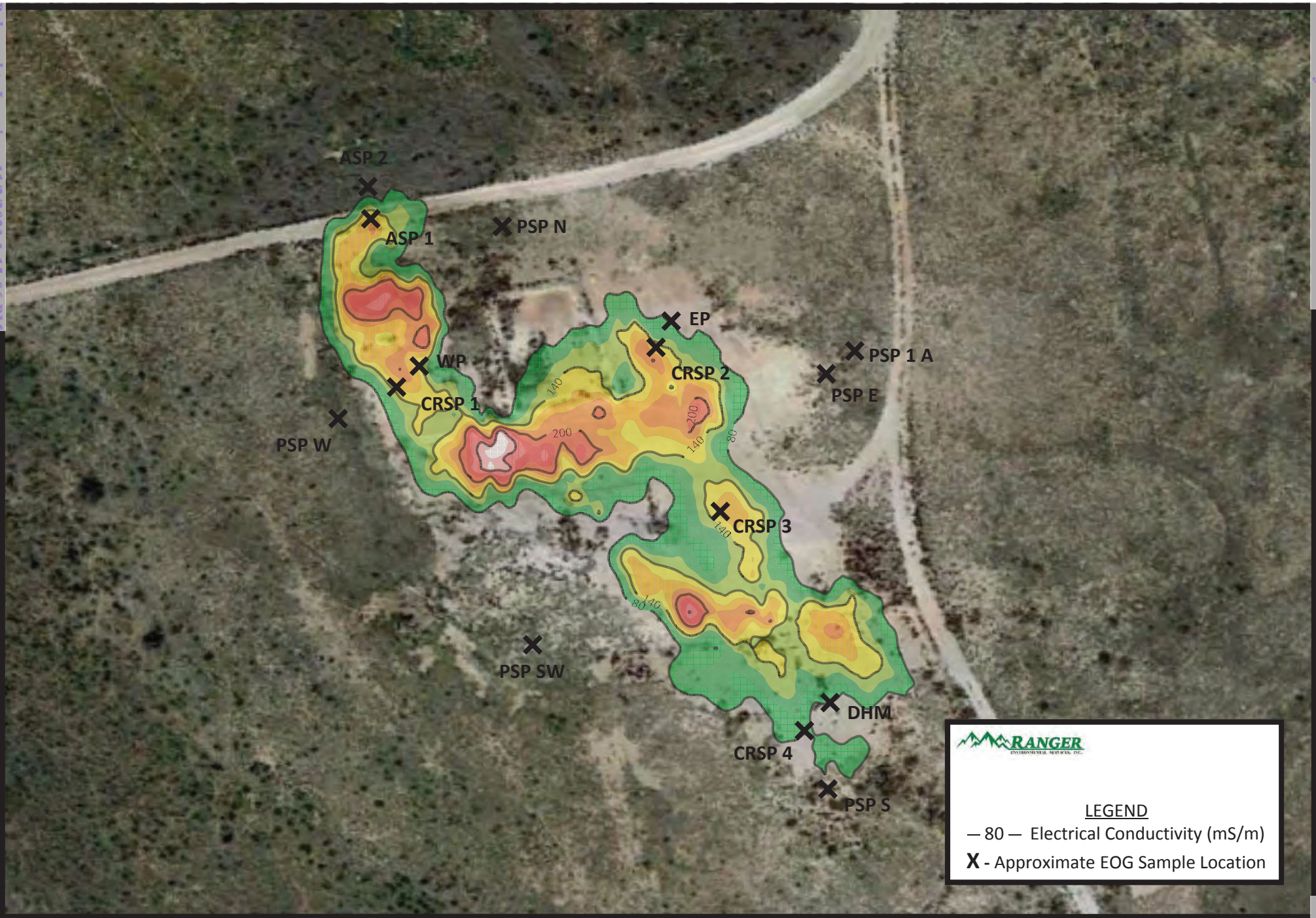
3.AERIAL MAP IS AN ARCHIVED IMAGE AND MAY NOT REFLECT CURRENT CONDITIONS.
Image Source: Google Earth (Date: 12/2019)
RANGER
ENVIRONMENTAL SERVICES, LLC
0 20 40 80 120 160
Feet
N
Delineation Soil Sample Location Map
Scout EH Federal #6
EOG Resources, Inc.



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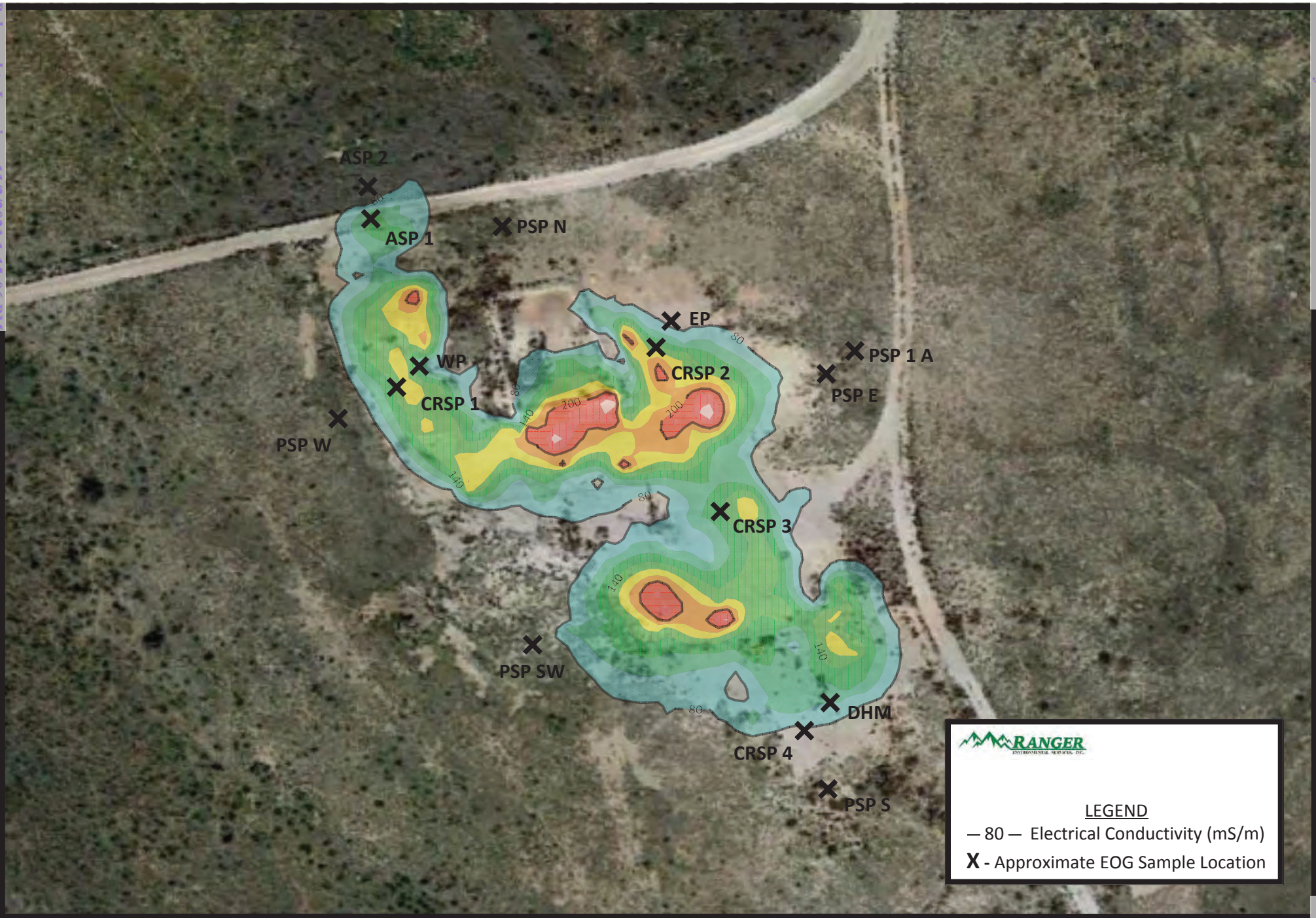
3. AERIAL MAP IS AN ARCHIVED IMAGE AND MAY NOT REFLECT CURRENT CONDITIONS.
4. MAP NOT DRAWN TO SCALE.

N

Interpretative Map (0'-5')
SCOUT EH FEDERAL # 6
EOG Resources, Inc.



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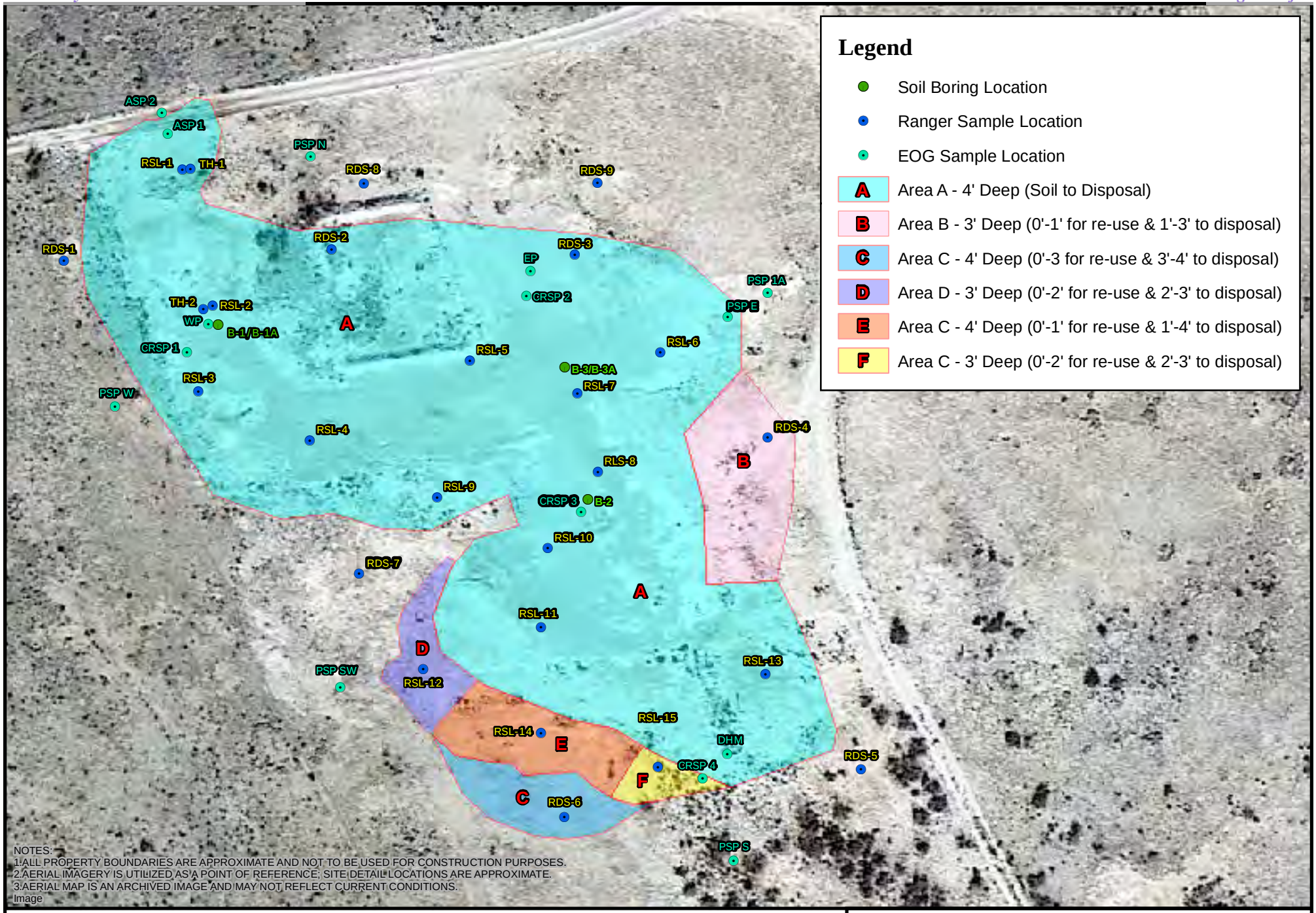
3. AERIAL MAP IS AN ARCHIVED IMAGE AND MAY NOT REFLECT CURRENT CONDITIONS.
4. MAP NOT DRAWN TO SCALE.

N

Interpretative Map (0'-2.5')
Scout EH Federal #6
EOG Resources, Inc.


Legend
Soil Boring Location
Ranger Sample Location
EOG Sample Location
A Area A - 4' Deep (Soil to Disposal)
B Area B - 3' Deep (0'-1' for re-use & 1'-3' to disposal)
C Area C - 4' Deep (0'-3 for re-use & 3'-4' to disposal)
D Area D - 3' Deep (0'-2' for re-use & 2'-3' to disposal)
E Area C - 4' Deep (0'-1' for re-use & 1'-4' to disposal)
F Area C - 3' Deep (0'-2' for re-use & 2'-3' to disposal)
ASP 2
ASP 1
PSP N
RSL-1
TH-1
RDS-8
RDS-9
RDS-1
RDS-2
RDS-3
EP
PSP 1A
CRSP 2
PSP E
TH-2
RSL-2
WP
B-1/B-1A
CRSP 1
RSL-5
RSL-6
B-3/B-3A
RSL-3
RSL-7
PSP W
RSL-4
RDS-4
RLS-8
RSL-9
CRSP 3
B-2
RSL-10
RDS-7
RSL-11
PSP SW
RSL-12
RSL-13
RSL-15
RSL-14
DHM
CRSP 4
RDS-5
RDS-6
PSP S
NOTES:
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3.AERIAL MAP IS AN ARCHIVED IMAGE AND MAY NOT REFLECT CURRENT CONDITIONS.
Image
RANGER
ENVIRONMENTAL SERVICES, LLC
0 20 40 80 120 160
Feet
N
Proposed Soil Excavation Map
Scout EH Federal #6
EOG Resources, Inc.

TABLES

CUMULATIVE SOIL BTEX, TPH & CHLORIDE LABORATORY ANALYTICAL DATA
EOG ARTESIA
SCOUT EH FEDERAL #6

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 DRO EXT C28-C36	TPH (GRO+DRO)	TPH (GRO+DRO+MRO)	CHLORIDE
EP-1	4/6/2017	1	<0.024	<0.048	<0.048	<0.096	<0.216	<4.8	4,400	---	**4,400**	≥4,400 [6]	5,200
EP-2	4/6/2017	2	<0.024	<0.049	<0.049	<0.097	<0.219	<4.9	36	---	36	≥36 [6]	4,300
EP-3	4/6/2017	3	<0.024	<0.048	<0.048	<0.096	<0.216	<4.8	900	---	900	≥900 [6]	3,700
EP-4	4/6/2017	4	<0.025	<0.050	<0.050	<0.099	<0.224	<5.0	<9.8	---	<14.8	<14.8 [6]	4,200
WP-1	4/6/2017	1	<0.024	<0.048	<0.048	<0.097	<0.217	<4.8	<9.5	---	<14.3	<14.3 [6]	2,700
WP-2	4/6/2017	2	<0.024	<0.048	<0.048	<0.096	<0.216	<4.8	<9.6	---	<14.4	<14.4 [6]	4,100
WP-3	4/6/2017	3	<0.024	<0.048	<0.048	<0.096	<0.216	<4.8	<9.4	---	<14.2	<14.2 [6]	5,300
WP-4	4/6/2017	4	<0.024	<0.048	<0.048	<0.097	<0.217	<4.8	<9.7	---	<14.5	<14.5 [6]	6,800
DHM-1	4/6/2017	1	<0.023	<0.047	<0.047	<0.094	<0.211	<4.7	690	---	690	≥690 [6]	1,300
DHM-2	4/6/2017	2	<0.024	<0.048	<0.048	<0.097	<0.217	<4.8	3,700	---	**3,700**	≥3,700 [6]	1,300
DHM-3	4/6/2017	3	<0.024	<0.048	<0.048	<0.096	<0.216	<4.8	210	---	210	≥210 [6]	2,500
DHM-4	4/6/2017	4	<0.023	<0.046	<0.046	<0.093	<0.208	<4.6	300	---	300	≥300 [6]	2,200
CRSP 1.5	8/2/2018	5	---	---	---	---	---	---	---	---	---	---	1,500
CRSP 1.10	8/2/2018	10	---	---	---	---	---	---	---	---	---	---	2,080
CRSP 1.15	8/2/2018	15	---	---	---	---	---	---	---	---	---	---	1,300
CRSP 1.20	8/2/2018	20	---	---	---	---	---	---	---	---	---	---	5,680
CRSP 1.25	8/2/2018	25	---	---	---	---	---	---	---	---	---	---	3,920
CRSP 1.30	8/2/2018	30	---	---	---	---	---	---	---	---	---	---	7,200
CRSP 1.35	8/2/2018	35	---	---	---	---	---	---	---	---	---	---	5,680
CRSP 1.40	8/2/2018	40	---	---	---	---	---	---	---	---	---	---	5,600
CRSP 1.45	8/2/2018	45	---	---	---	---	---	---	---	---	---	---	1,800
CRSP 1.50	8/2/2018	50	---	---	---	---	---	---	---	---	---	---	8,080
CRSP 1.55	8/2/2018	55	---	---	---	---	---	---	---	---	---	---	2,840
CRSP 1.60	8/2/2018	60	---	---	---	---	---	---	---	---	---	---	3,440
CRSP 2.5	8/2/2018	5	---	---	---	---	---	---	---	---	---	---	1,880
CRSP 2.10	8/2/2018	10	---	---	---	---	---	---	---	---	---	---	560
CRSP 2.15	8/2/2018	15	---	---	---	---	---	---	---	---	---	---	592
CRSP 2.20	8/2/2018	20	---	---	---	---	---	---	---	---	---	---	256
CRSP 3.5	8/2/2018	5	---	---	---	---	---	---	---	---	---	---	3,120
CRSP 3.10	8/2/2018	10	---	---	---	---	---	---	---	---	---	---	1,310
CRSP 3.15	8/2/2018	15	---	---	---	---	---	---	---	---	---	---	1,260
CRSP 3.20	8/2/2018	20	---	---	---	---	---	---	---	---	---	---	384

TPH = Total Petroleum Hydrocarbons
mg/Kg = Milligrams per Kilogram

CUMULATIVE SOIL BTEX, TPH & CHLORIDE LABORATORY ANALYTICAL DATA
EOG ARTESIA
SCOUT EH FEDERAL #6

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 DRO EXT C28-C36	TPH (GRO+DRO)	TPH (GRO+DRO+ MRO)	CHLORIDE
CRSP 3.25	8/2/2018	25	---	---	---	---	---	---	---	---	---	---	2,200
CRSP 4.5	8/2/2018	5	---	---	---	---	---	---	---	---	---	---	576
CRSP 4.10	8/2/2018	10	---	---	---	---	---	---	---	---	---	---	1,470
ASP 1.1	8/16/2018	1	<0.050	<0.050	<0.050	<0.150	<0.30	<10	<10	<10	<10	<10	**2,560**
ASP 1.2	8/16/2018	2	<0.050	<0.050	<0.050	<0.150	<0.30	<10	<10	<10	<10	<10	**1,920**
ASP 1.3	8/16/2018	3	<0.050	<0.050	<0.050	<0.150	<0.30	<10	<10	<10	<10	<10	**2,000**
ASP 1.4	8/16/2018	4	<0.050	<0.050	<0.050	<0.150	<0.30	<10	<10	<10	<10	<10	1,150
ASP 1.5	8/16/2018	5	<0.050	<0.050	<0.050	<0.150	<0.30	<10	<10	<10	<10	<10	512
ASP 1.6	8/16/2018	6	<0.050	<0.050	<0.050	<0.150	<0.30	<10	<10	<10	<10	<10	704
ASP 2.1	8/16/2018	1	<0.050	<0.050	<0.050	<0.150	<0.30	<10	<10	<10	<10	<10	48
ASP 2.2	8/16/2018	2	<0.050	<0.050	<0.050	<0.150	<0.30	<10	<10	<10	<10	<10	32
ASP 2.3	8/16/2018	3	<0.050	<0.050	<0.050	<0.150	<0.30	<10	<10	<10	<10	<10	<16.0
ASP 2.4	8/16/2018	4	<0.050	<0.050	<0.050	<0.150	<0.30	<10	<10	<10	<10	<10	32
ASP 2.5	8/16/2018	5	<0.050	<0.050	<0.050	<0.150	<0.30	<10	<10	<10	<10	<10	80
ASP 2.6	8/16/2018	6	<0.050	<0.050	<0.050	<0.150	<0.30	<10	<10	<10	<10	<10	96
March 2019 Ranger Soil Samples													
RSL - 1 / 0' - 1'	3/5/2019	0' - 1'	---	---	---	---	---	---	---	---	---	---	**2520**
RSL - 1 / 1' - 2'	3/5/2019	1' - 2'	---	---	---	---	---	---	---	---	---	---	**4400**
RSL - 1 / 2' - 3'	3/5/2019	2' - 3'	---	---	---	---	---	---	---	---	---	---	**4560**
RSL - 1 / 3' - 4'	3/5/2019	3' - 4'	---	---	---	---	---	---	---	---	---	---	**3240**
RSL - 2 / 0' - 1'	3/5/2019	0' - 1'	---	---	---	---	---	---	---	---	---	---	**5200**
RSL - 2 / 1' - 2'	3/5/2019	1' - 2'	---	---	---	---	---	---	---	---	---	---	**4960**
RSL - 2 / 2' - 3'	3/5/2019	2' - 3'	---	---	---	---	---	---	---	---	---	---	**7600**
RSL - 2 / 3' - 4'	3/5/2019	3' - 4'	---	---	---	---	---	---	---	---	---	---	**5760**
RSL - 3 / 0' - 1'	3/5/2019	0' - 1'	---	---	---	---	---	---	---	---	---	---	**1140**
RSL - 3 / 1' - 2'	3/5/2019	1' - 2'	---	---	---	---	---	---	---	---	---	---	**976**
RSL - 3 / 2' - 3'	3/5/2019	2' - 3'	---	---	---	---	---	---	---	---	---	---	**1760**
RSL - 3 / 3' - 4'	3/5/2019	3' - 4'	---	---	---	---	---	---	---	---	---	---	**1380**
RSL - 4 / 0' - 1'	3/5/2019	0' - 1'	---	---	---	---	---	---	---	---	---	---	**9520**
RSL - 4 / 1' - 2'	3/5/2019	1' - 2'	---	---	---	---	---	---	---	---	---	---	**6400**

TPH = Total Petroleum Hydrocarbons
mg/Kg = Milligrams per Kilogram

CUMULATIVE SOIL BTEX, TPH & CHLORIDE LABORATORY ANALYTICAL DATA
EOG ARTESIA
SCOUT EH FEDERAL #6

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 DRO EXT C28-C36	TPH (GRO+DRO)	TPH (GRO+DRO+ MRO)	CHLORIDE
RSL - 4 / 2' - 3'	3/5/2019	2' - 3'	---	---	---	---	---	---	---	---	---	---	5600
RSL - 4 / 3' - 4'	3/5/2019	3' - 4'	---	---	---	---	---	---	---	---	---	---	2520
RSL - 5 / 0' - 1'	3/5/2019	0' - 1'	---	---	---	---	---	---	---	---	---	---	1070
RSL - 5 / 1' - 2'	3/5/2019	1' - 2'	---	---	---	---	---	---	---	---	---	---	688
RSL - 5 / 2' - 3'	3/5/2019	2' - 3'	---	---	---	---	---	---	---	---	---	---	1250
RSL - 5 / 3' - 4'	3/5/2019	3' - 4'	---	---	---	---	---	---	---	---	---	---	1230
RSL - 6 / 0' - 1'	3/5/2019	0' - 1'	---	---	---	---	---	---	---	---	---	---	928
RSL - 6 / 1' - 2'	3/5/2019	1' - 2'	---	---	---	---	---	---	---	---	---	---	1310
RSL - 6 / 2' - 3'	3/5/2019	2' - 3'	---	---	---	---	---	---	---	---	---	---	1540
RSL - 6 / 3' - 4'	3/5/2019	3' - 4'	---	---	---	---	---	---	---	---	---	---	1440
RSL - 7 / 0' - 1'	3/5/2019	0' - 1'	---	---	---	---	---	---	---	---	---	---	10,300
RSL - 7 / 1' - 2'	3/5/2019	1' - 2'	---	---	---	---	---	---	---	---	---	---	8800
RSL - 7 / 2' - 3'	3/5/2019	2' - 3'	---	---	---	---	---	---	---	---	---	---	6800
RSL - 7 / 3' - 4'	3/5/2019	3' - 4'	---	---	---	---	---	---	---	---	---	---	4000
RSL - 8 / 0' - 1'	3/5/2019	0' - 1'	---	---	---	---	---	---	---	---	---	---	1330
RSL - 8 / 1' - 2'	3/5/2019	1' - 2'	---	---	---	---	---	---	---	---	---	---	2200
RSL - 8 / 2' - 3'	3/5/2019	2' - 3'	---	---	---	---	---	---	---	---	---	---	3160
RSL - 8 / 3' - 4'	3/5/2019	3' - 4'	---	---	---	---	---	---	---	---	---	---	3760
RSL - 9 / 0' - 1'	3/5/2019	0' - 1'	---	---	---	---	---	---	---	---	---	---	3400
RSL - 9 / 1' - 2'	3/5/2019	1' - 2'	---	---	---	---	---	---	---	---	---	---	2680
RSL - 9 / 2' - 3'	3/5/2019	2' - 3'	---	---	---	---	---	---	---	---	---	---	2920
RSL - 9 / 3' - 4'	3/5/2019	3' - 4'	---	---	---	---	---	---	---	---	---	---	4640
RSL - 10 / 0' - 1'	3/5/2019	0' - 1'	---	---	---	---	---	---	---	---	---	---	1280
RSL - 10 / 1' - 2'	3/5/2019	1' - 2'	---	---	---	---	---	---	---	---	---	---	1280
RSL - 10 / 2' - 3'	3/5/2019	2' - 3'	---	---	---	---	---	---	---	---	---	---	1470
RSL - 10 / 3' - 4'	3/5/2019	3' - 4'	---	---	---	---	---	---	---	---	---	---	976
RSL - 11 / 0' - 1'	3/5/2019	0' - 1'	---	---	---	---	---	---	---	---	---	---	3160
RSL - 11 / 1' - 2'	3/5/2019	1' - 2'	---	---	---	---	---	---	---	---	---	---	2720
RSL - 11 / 2' - 3'	3/5/2019	2' - 3'	---	---	---	---	---	---	---	---	---	---	3360
RSL - 11 / 3' - 4'	3/5/2019	3' - 4'	---	---	---	---	---	---	---	---	---	---	3800

TPH = Total Petroleum Hydrocarbons
mg/Kg = Milligrams per Kilogram

CUMULATIVE SOIL BTEX, TPH & CHLORIDE LABORATORY ANALYTICAL DATA
EOG ARTESIA
SCOUT EH FEDERAL #6

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 DRO EXT C28-C36	TPH (GRO+DRO)	TPH (GRO+DRO+ MRO)	CHLORIDE
RSL - 12 / 0' - 1'	3/5/2019	0' - 1'	---	---	---	---	---	---	---	---	---	---	80.0
RSL - 12 / 1' - 2'	3/5/2019	1' - 2'	---	---	---	---	---	---	---	---	---	---	80.0
RSL - 12 / 2' - 3'	3/5/2019	2' - 3'	---	---	---	---	---	---	---	---	---	---	**1010**
RSL - 12 / 3' - 4'	3/5/2019	3' - 4'	---	---	---	---	---	---	---	---	---	---	416
RSL - 13 / 0' - 1'	3/5/2019	0' - 1'	---	---	---	---	---	---	---	---	---	---	**880**
RSL - 13 / 1' - 2'	3/5/2019	1' - 2'	---	---	---	---	---	---	---	---	---	---	**1020**
RSL - 13 / 2' - 3'	3/5/2019	2' - 3'	---	---	---	---	---	---	---	---	---	---	**2920**
RSL - 13 / 3' - 4'	3/5/2019	3' - 4'	---	---	---	---	---	---	---	---	---	---	**4920**
RSL - 14 / 0' - 1'	3/5/2019	0' - 1'	---	---	---	---	---	---	---	---	---	---	512
RSL - 14 / 1' - 2'	3/5/2019	1' - 2'	---	---	---	---	---	---	---	---	---	---	**1580**
RSL - 14 / 2' - 3'	3/5/2019	2' - 3'	---	---	---	---	---	---	---	---	---	---	**1780**
RSL - 14 / 3' - 4'	3/5/2019	3' - 4'	---	---	---	---	---	---	---	---	---	---	**2600**
RSL - 15 / 0' - 1'	3/5/2019	0' - 1'	---	---	---	---	---	---	---	---	---	---	128
RSL - 15 / 1' - 2'	3/5/2019	1' - 2'	---	---	---	---	---	---	---	---	---	---	272
RSL - 15 / 2' - 3'	3/5/2019	2' - 3'	---	---	---	---	---	---	---	---	---	---	**880**
RSL - 15 / 3' - 4'	3/5/2019	3' - 4'	---	---	---	---	---	---	---	---	---	---	432
RDS - 1 / 0' - 1'	3/5/2019	0' - 1'	---	---	---	---	---	---	---	---	---	---	32.0
RDS - 1 / 1' - 2'	3/5/2019	1' - 2'	---	---	---	---	---	---	---	---	---	---	32.0
RDS - 1 / 2' - 3'	3/5/2019	2' - 3'	---	---	---	---	---	---	---	---	---	---	48.0
RDS - 1 / 3' - 4'	3/5/2019	3' - 4'	---	---	---	---	---	---	---	---	---	---	176
RDS - 2 / 0' - 1'	3/5/2019	0' - 1'	---	---	---	---	---	---	---	---	---	---	**928**
RDS - 2 / 1' - 2'	3/5/2019	1' - 2'	---	---	---	---	---	---	---	---	---	---	**784**
RDS - 2 / 2' - 3'	3/5/2019	2' - 3'	---	---	---	---	---	---	---	---	---	---	**1070**
RDS - 2 / 3' - 4'	3/5/2019	3' - 4'	---	---	---	---	---	---	---	---	---	---	**1150**
RDS - 3 / 0' - 1'	3/5/2019	0' - 1'	---	---	---	---	---	---	---	---	---	---	**2320**
RDS - 3 / 1' - 2'	3/5/2019	1' - 2'	---	---	---	---	---	---	---	---	---	---	**1380**
RDS - 3 / 2' - 3'	3/5/2019	2' - 3'	---	---	---	---	---	---	---	---	---	---	**1630**
RDS - 3 / 3' - 4'	3/5/2019	3' - 4'	---	---	---	---	---	---	---	---	---	---	**1260**
RDS - 4 / 0' - 1'	3/5/2019	0' - 1'	---	---	---	---	---	---	---	---	---	---	240

TPH = Total Petroleum Hydrocarbons
mg/Kg = Milligrams per Kilogram

CUMULATIVE SOIL BTEX, TPH & CHLORIDE LABORATORY ANALYTICAL DATA
EOG ARTESIA
SCOUT EH FEDERAL #6

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 DRO EXT C28-C36	TPH (GRO+DRO)	TPH (GRO+DRO+MRO)	CHLORIDE
RDS - 4 / 1' - 2'	3/5/2019	1' - 2'	---	---	---	---	---	---	---	---	---	---	**752**
RDS - 4 / 2' - 3'	3/5/2019	2' - 3'	---	---	---	---	---	---	---	---	---	---	**816**
RDS - 4 / 3' - 4'	3/5/2019	3' - 4'	---	---	---	---	---	---	---	---	---	---	480
RDS - 5 / 0' - 1'	3/5/2019	0' - 1'	---	---	---	---	---	---	---	---	---	---	80.0
RDS - 5 / 1' - 2'	3/5/2019	1' - 2'	---	---	---	---	---	---	---	---	---	---	32.0
RDS - 5 / 2' - 3'	3/5/2019	2' - 3'	---	---	---	---	---	---	---	---	---	---	48.0
RDS - 5 / 3' - 4'	3/5/2019	3' - 4'	---	---	---	---	---	---	---	---	---	---	32.0
RDS - 6 / 0' - 1'	3/5/2019	0' - 1'	---	---	---	---	---	---	---	---	---	---	48.0
RDS - 6 / 1' - 2'	3/5/2019	1' - 2'	---	---	---	---	---	---	---	---	---	---	64.0
RDS - 6 / 2' - 3'	3/5/2019	2' - 3'	---	---	---	---	---	---	---	---	---	---	272
RDS - 6 / 3' - 4'	3/5/2019	3' - 4'	---	---	---	---	---	---	---	---	---	---	**640**
RDS - 7 / 0' - 1'	3/5/2019	0' - 1'	---	---	---	---	---	---	---	---	---	---	80.0
RDS - 7 / 1' - 2'	3/5/2019	1' - 2'	---	---	---	---	---	---	---	---	---	---	288
RDS - 7 / 2' - 3'	3/5/2019	2' - 3'	---	---	---	---	---	---	---	---	---	---	416
RDS - 7 / 3' - 4'	3/5/2019	3' - 4'	---	---	---	---	---	---	---	---	---	---	592
RDS - 8 / 0' - 1'	3/5/2019	0' - 1'	---	---	---	---	---	---	---	---	---	---	144
RDS - 8 / 1' - 2'	3/5/2019	1' - 2'	---	---	---	---	---	---	---	---	---	---	128
RDS - 8 / 2' - 3'	3/5/2019	2' - 3'	---	---	---	---	---	---	---	---	---	---	352
RDS - 8 / 3' - 4'	3/5/2019	3' - 4'	---	---	---	---	---	---	---	---	---	---	480
RDS - 9 / 0' - 1'	3/5/2019	0' - 1'	---	---	---	---	---	---	---	---	---	---	560
RDS - 9 / 1' - 2'	3/5/2019	1' - 2'	---	---	---	---	---	---	---	---	---	---	576
RDS - 9 / 2' - 3'	3/5/2019	2' - 3'	---	---	---	---	---	---	---	---	---	---	464
RDS - 9 / 3' - 4'	3/5/2019	3' - 4'	---	---	---	---	---	---	---	---	---	---	560
October 2022 Ranger Soil Samples													
TH-1/19	10/28/2022	19'	<0.018	<0.037	<0.037	<0.074	<0.07	<3.7	<15	<50	<15	<50	7,500
TH-1/20	10/28/2022	20'	<0.021	<0.043	<0.043	<0.086	<0.09	<4.3	<15	<50	<15	<50	8,300
TH-2/12	10/28/2022	12'	<0.10	<0.20	<0.20	0.52	0.52	79	3,000	1,300	**3,079**	**4,379**	3,500
TH-2/17	10/28/2022	17'	0.27	7.70	22	36	**65.97**	490	3,800	1,200	**4,290**	**5,490**	3,700
November 2022 Ranger Soil Samples													
B-1/45	11/12/2022	45'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<14	<48	<14	<48	10,000

TPH = Total Petroleum Hydrocarbons
mg/Kg = Milligrams per Kilogram

CUMULATIVE SOIL BTEX, TPH & CHLORIDE LABORATORY ANALYTICAL DATA
EOG ARTESIA
SCOUT EH FEDERAL #6

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 DRO EXT C28-C36	TPH (GRO+DRO)	TPH (GRO+DRO+MRO)	CHLORIDE
B-1/70	11/12/2022	70'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<14	<46	<14	<46	1,900
B-2/10	11/12/2022	10'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<15	<49	<15	<49	2,500
B-2/25	11/12/2022	25'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	<15	<50	<15	<50	450
B-3/40	11/12/2022	40'	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	<15	<49	<15	<49	2,900
B-3/60	11/12/2022	60'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<14	<47	<14	<47	1,300
April 2023 Ranger Soil Samples													
B-1.A/60'	4/25/2023	60'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	8,660
B-1.A/80'	4/25/2023	80'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
B-3.A/40'	4/25/2023	40'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,070
B-3.A/70'	4/25/2023	70'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
B-3.A/80'	4/25/2023	80'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
19.15.29.12 NMAC Table 1 Closure Criteria for Soils Impacted by a Release (GW 51'-100')			**10**	**---**	**---**	**---**	**50**	**---**	**---**	**---**	**1,000**	**2,500**	**10,000**
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 criteria are presented in bold red type.
3. Value derived from the 9-6-2019 State of New Mexico Energy, Minerals and Natural Resources Department document "*Procedures for the Implementation of the Spill Rule"* (19.15.29 NMAC).
4. ND = Not Detected
5. '--- = Not Analyzed
6. MRO analysis not performed. As such, actual TPH GRO+DRO+MRO concentration may be higher than the listed TPH GRO+DRO result.

TPH = Total Petroleum Hydrocarbons
mg/Kg = Milligrams per Kilogram

JUNE 2018 FIELD CHLORIDE SCREENING RESULTS
EOG ARTESIA
SCOUT EH FEDERAL #6

SAMPLE ID	DATE	DEPTH (FT)	FIELD CHLORIDE CONCENTRATION (PPM)
PSP N.1	6/26/2018	1	90
PSP N.2	6/26/2018	2	80
PSP N.3	6/26/2018	3	80
PSP N.4	6/26/2018	4	110
PSP N.5	6/26/2018	5	90
PSP W.1	6/26/2018	1	160
PSP W.2	6/26/2018	2	90
PSP W.3	6/26/2018	3	140
PSP W.4	6/26/2018	4	190
PSP W.5	6/26/2018	5	200
PSP E.1	6/26/2018	1	250
PSP E.2	6/26/2018	2	230
PSP E.3	6/26/2018	3	**710**
PSP E.4	6/26/2018	4	690
PSP E.5	6/26/2018	5	790
PSP SW.1	6/26/2018	1	100
PSP SW.2	6/26/2018	2	80
PSP SW.3	6/26/2018	3	90
PSP SW.4	6/26/2018	4	100
PSP SW.5	6/26/2018	5	100
PSP S.1	6/26/2018	1	90
PSP S.2	6/26/2018	2	240
PSP S.3	6/26/2018	3	330
PSP S.4	6/26/2018	4	420
PSP S.5	6/26/2018	5	440
PSP E.6	6/28/2018	6	460
PSP E.8	6/28/2018	8	540
PSP E.10	6/28/2018	10	320
PSP E.1.A	6/28/2018	1	590
PSP E.2.A	6/28/2018	2	370
PSP E.3.A	6/28/2018	3	600
PSP E.4.A	6/28/2018	4	500
PSP E.5.A	6/28/2018	5	310
19.15.29.12 NMAC Table 1 Closure Criteria for Soils Impacted by a Release (GW 51'-100')			**10,000**
19.15.29.13 NMAC Reclamation Criteria (0'-4' Soils Only)			**600**

Notes:

1. Results exceeding the Table 1 Closure Criteria are presented in bold type and are highlighted yellow.

2. Results exceeding the NMAC Restoration, Reclamation and Re-vegetation Criteria are presented in bold red type.

ATTACHMENT 1 – FORM C-141

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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

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

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company Yates Petroleum Corp.	Contact Dan Dolan
Address 105 S. 4th St., Artesia NM 88210	Telephone No. 748-4181
Facility Name Scout EH Federal #1	Facility Type Oil Tank Battery

Surface Owner BR Wilson	Mineral Owner Fed	Lease No.API30-015-00155

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
G	34	18S	25E					

Latitude_____ **Longitude**_____

NATURE OF RELEASE

Type of Release Oil	Volume of Release Unk	Volume Recovered 0
Source of Release Below Grade Fiberglass tank	Date and Hour of Occurrence	Date and Hour of Discovery
Was Immediate Notice Given? ☐ Yes ☒ No ☐ Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
Below surface fiberglass 210bbl tank leaked, tank was removed.

Describe Area Affected and Cleanup Action Taken.*
Area around the tank showed contamination, area will be excavated and BTEX, TPH, and Chloride testing will be done, the area will be excavated three feet, and a one foot clay cap will be put in place, packed to a factor of 8, then covered with fresh caliche. The tank to replace the below grade tank will be on the surface inside the tank battery area.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature:	OIL CONSERVATION DIVISION
Printed Name: Dan Dolan	Approved by District Supervisor: Jocelyn Harimon
Title: Environmental Regulatory Agent	Approval Date: 05/26/2023 Expiration Date:
E-mail Address: ddolan@ypcnm.com	Conditions of Approval: Attached ☐
Date: 02-01-05 Phone: 748-4181	

* Attach Additional Sheets If Necessary

State of New Mexico
Oil Conservation Division

Incident ID	NCLB0525028137
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? ***(*See below)***	**73.18' (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
**** A discontinuous, perched water-bearing zone appears to be present at the site at an approximate depth of 73 to 85 feet bgs. The depth to the area water table appears to be >100' bgs.***	

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NCLB0525028137
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: 05/25/2023

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

OCD Only

Received by: Jocelyn Harimon Date: 05/25/2023

State of New Mexico
Oil Conservation Division

Incident ID	NCLB0525028137
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: 05/25/2023

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

OCD Only

Received by: Jocelyn Harimon Date: 05/25/2023

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

Signature: Ashley Maxwell Date: 11/02/2023

ATTACHMENT 2 – DEPTH-TO-GROUNDWATER DATA

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 Scout EH Federal #6
PROJECT NUMBER 5375
PROJECT LOCATION Eddy County, New Mexico
DATE STARTED 9/27/22 **COMPLETED** 9/27/22
GROUND WATER LEVELS:
DRILLING CONTRACTOR HCI
AT TIME OF DRILLING --- Dry
DRILLING METHOD Air Rotary
AFTER DRILLING 84.70 ft on 09/30/2022
LOGGED BY William Kennedy **CHECKED BY** Patrick Finn
BTOC = Below Top Of Casing
GB = Grab Sample
GPS COORDINATES 32.70668688°, -104.47051667°
GEO = Geotech Sample

DEPTH (ft)	SOIL SAMPLE ANALYSIS	GROUNDWATER LEVELS (BTOC)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0					Casing Type: 2" Diameter Temp. Well
5				5.0 Topsoil/Silt, soft	
10				(GM) Silty Gravel, brown, rounded to subrounded, dry	
15				15.0	
20				20.0 (ML) Clayey Silt, reddish-brown, soft to stiff, <10% gravel, dry	
25				25.0 (ML) Silt, reddish-brown, soft, dry	
30				(ML) Clayey Silt, white to tan, stiff, dry	
35					
40					
45					
50				50.0	Riser
55				(ML) Clayey Sandy Silt, reddish-brown, <10% gravel, very fine gravel, damp	
60					
65					
70					
75					
80					
85		▼		- Moist to possibly saturated below 80'	
90				90.0	
95				(CL) Clay, gray, stiff, moist to possibly saturated	
100					Temporary Well Screen
105				105.0	

Bottom of borehole at 105.0 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. Water was detected in the temporary well at a depth of approximately 84.7 feet below ground surface. Following the completion of the investigation, the temporary well/soil boring was plugged and abandoned.

ENVIRONMENTAL BH - GINT STD US.GDT - 10/3/22 10:54 - R:\DRAFTING FILES\GINT LOGS\5375 - SCOUT EH FEDERAL #6 - BORING LOGS.GPJ

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

BORING NUMBER B-1.A

PAGE 1 OF 2

CLIENT EOG Resources, Inc.
PROJECT NAME Scout EH Federal #6
PROJECT NUMBER 5375
PROJECT LOCATION Eddy County, New Mexico
DATE STARTED 4/25/23 **COMPLETED** 4/25/23
GROUND WATER LEVELS:
DRILLING CONTRACTOR HCI
AT TIME OF DRILLING --- Dry
DRILLING METHOD Air Rotary
AFTER DRILLING --- Dry
LOGGED BY Will Kierdorf **CHECKED BY** Patrick Finn
BTOC = Below Top Of Casing
GB = Grab Sample
GEO = Geotech Sample
GPS COORDINATES

DEPTH (ft)	SOIL SAMPLE ANALYSIS	GROUNDWATER LEVELS (BTOC)	PID (In ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0						Casing Type: 2" Diameter Temp. Well
5			0		(ML-GM) Gravelly Silt, light gray to brown gray, soft, weathered, friable, minor clay and sand, subrounded gravel, dry, caliche	
10			0		10.0	
15			0		(GM-GC) Silty Gravel, light gray, pebbles, fine to coarse grained, subrounded, <2" diameter, poorly sorted, minor clay and sand, dry	
20			0		15.0 (ML-GM) Gravelly Silt, light gray, medium soft, weathered, friable, dry, clayey	
25			0		25.0 (ML) Clayey Silt, light gray, medium stiff, dry, friable, cemented in parts, gravelly	
30			0		28.0 Conglomerate, light gray, hard, gravelly	
35			0		31.0 (ML) Clayey Silt, light red-brown, stiff, dry, low plasticity, friable, cemented in part	
40			0		40.0 (ML) Silt, light red-brown, low plasticity, soft, damp, minor sand, cemented in part, clayey	
45			0			Riser
50			0			
55						

ENVIRONMENTAL BH - GINT STD US.GDT - 5/9/23 15:18 - R:\DRAFTING FILES\GINT LOGS\5375 - SCOUT EH FEDERAL #6 - BORING LOGS.GPJ

(Continued Next Page)

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

BORING NUMBER B-1.A

PAGE 2 OF 2

CLIENT EOG Resources, Inc. **PROJECT NAME** Scout EH Federal #6

PROJECT NUMBER 5375 **PROJECT LOCATION** Eddy County, New Mexico

DEPTH (ft)	SOIL SAMPLE ANALYSIS	GROUNDWATER LEVELS (BTOC)	PID (In ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
55						
60	GB		0		(ML) Silt, light red-brown, low plasticity, soft, damp, minor sand, cemented in part, clayey *(continued)*	
65			0		65.0	
70			0		(SM) Silty Sand, light gray to brown, very fine to fine grained, poorly graded, loose, minor clay, cemented siltstone in part 70.0	
75			0		(ML) Silt/Siltstone, light gray, very fine grained,minor clay, sandy at top, more siltstone with depth 75.0	
80	GB		0		(ML) Clayey Silt, dark gray, stiff, damp Field Chloride = 300 mg/Kg	
85					85.0	
90					(CL) Silty Clay, dark gray, stiff, damp, plastic, minor sand, poor recovery below 85'	
95						Temporary Well Screen
100						
105					105.0	

Bottom of borehole at 105.0 feet.

Note: 72 hours after completion, Ranger personnel evaluated the temporary well for the presence of water utilizing an electronic water level meter. The well was found to be dry.

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

BORING NUMBER B-3.A

CLIENT EOG Resources, Inc.
PROJECT NAME Scout EH Federal #6
PROJECT NUMBER 5375
PROJECT LOCATION Eddy County, New Mexico
DATE STARTED 4/25/23 **COMPLETED** 4/25/23
GROUND WATER LEVELS:
DRILLING CONTRACTOR HCI
AT TIME OF DRILLING --- Dry
DRILLING METHOD Air Rotary
AFTER DRILLING 73.18 ft on 4/28/2023
LOGGED BY Will Kierdorf **CHECKED BY** Patrick Finn
BTOC = Below Top Of Casing
GB = Grab Sample
GEO = Geotech Sample
GPS COORDINATES

DEPTH (ft)	SOIL SAMPLE ANALYSIS	GROUNDWATER LEVELS (BTOC)	PID (In ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0						Casing Type: 2" Diameter Temp. Well
0 – 10.0			0		(ML-GM) Gravelly Silt, light gray to brown gray, soft, weathered, friable, minor clay and sand, grades to sandy silt, dry, caliche	
10 – 15.0			0		(ML) Silt, soft, weathered, light brown, friable, gravelly and sandy, minor clay, dry	
15 – 25.0			0		(GW-GM) Silty Gravel, light gray, fine to coarse grained sand, pebbles, <2" diameter, subrounded, clayey, dry	
25 – 28.0			0		(ML) Clayey Silt, light tan-brown to gray, stiff, dry, friable, low plasticity, cemented in part	
28.0 – 31.0			0		Conglomerate, light gray, quartz, hard, gravelly	
31.0 – 35.0			0		(ML) Clayey Silt, light tan, red-brown, stiff, dry, friable, cemented in part	
35 – 55	GB		0		(ML) Silt, tan, red-brown, clayey, medium stiff, dry, moderately plastic, minor conglomerate inclusions, sandy, minor cemented portions, moist	Riser

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(Continued Next Page)

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P.O. Box 201179,
Austin, Texas 78720
Phone: (512)335-1785
Fax: (512)335-0527

BORING NUMBER B-3.A
PAGE 2 OF 2

CLIENT EOG Resources, Inc. **PROJECT NAME** Scout EH Federal #6

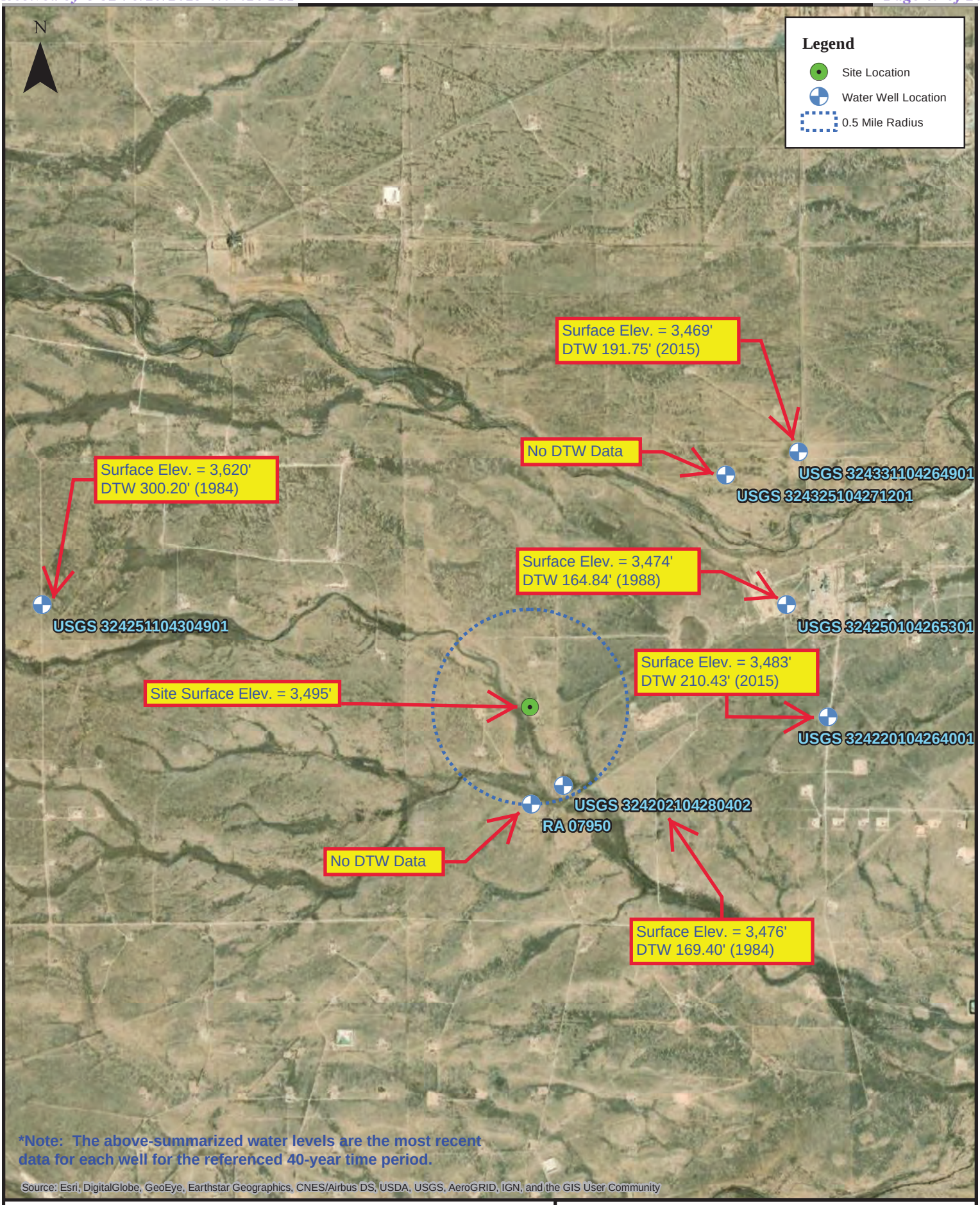
PROJECT NUMBER 5375 **PROJECT LOCATION** Eddy County, New Mexico

DEPTH (ft)	SOIL SAMPLE ANALYSIS	GROUNDWATER LEVELS (BTOC)	PID (In ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
55						
			0		(ML) Silt, tan, red-brown, clayey, medium stiff, dry, moderately plastic, minor conglomerate inclusions, sandy, minor cemented portions, moist *(continued)*	
60			0		60.0	
					(SP-SM) Silty Sand, light gray, some tan, very fine to fine grained, poorly graded, loose, minor clay, increasing silt and clay with depth, damp	
65			0		65.0 Field Chloride = 600 mg/Kg	
					(ML) Silt, light gray, very fine grained, medium soft, friable, clayey, minor sand, grades to dark gray at 70', damp soil	
70	GB		0			
		▼				
75			0		75.0	
					(ML) Clayey Silt, dark gray to medium brown, medium soft to stiff, damp	
80	GB		0			
85			0		85.0	
					(CL) Silty Clay, gray-brown, stiff, damp, plastic, minor sand throughout	
90			0			
95			0			Temporary Well Screen
100			0		Silty Clay, as above	
105			0		105.0	

Bottom of borehole at 105.0 feet.

Note: 72 hours after completion, Ranger personnel evaluated the temporary well for the presence of water utilizing an electronic water level meter. Water was detected at a depth of approximately 73.18' bgs.

ENVIRONMENTAL BH - GINT STD US.GDT - 5/9/23 15:18 - R:\DRAFTING FILES\GINT LOGS\5375 - SCOUT EH FEDERAL #6 - BORING LOGS.GPJ



RANGER ENVIRONMENTAL SERVICES, INC.

0 1,000 2,000 4,000 6,000 8,000 Feet

1:40,000

40-Year Water Level Data (1983 to 2023)

Scout EH Federal #6

EOG Resources, Inc.

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USGS Water Resources

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

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Search Results -- 1 sites found

site_no list =

- 324202104280402

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

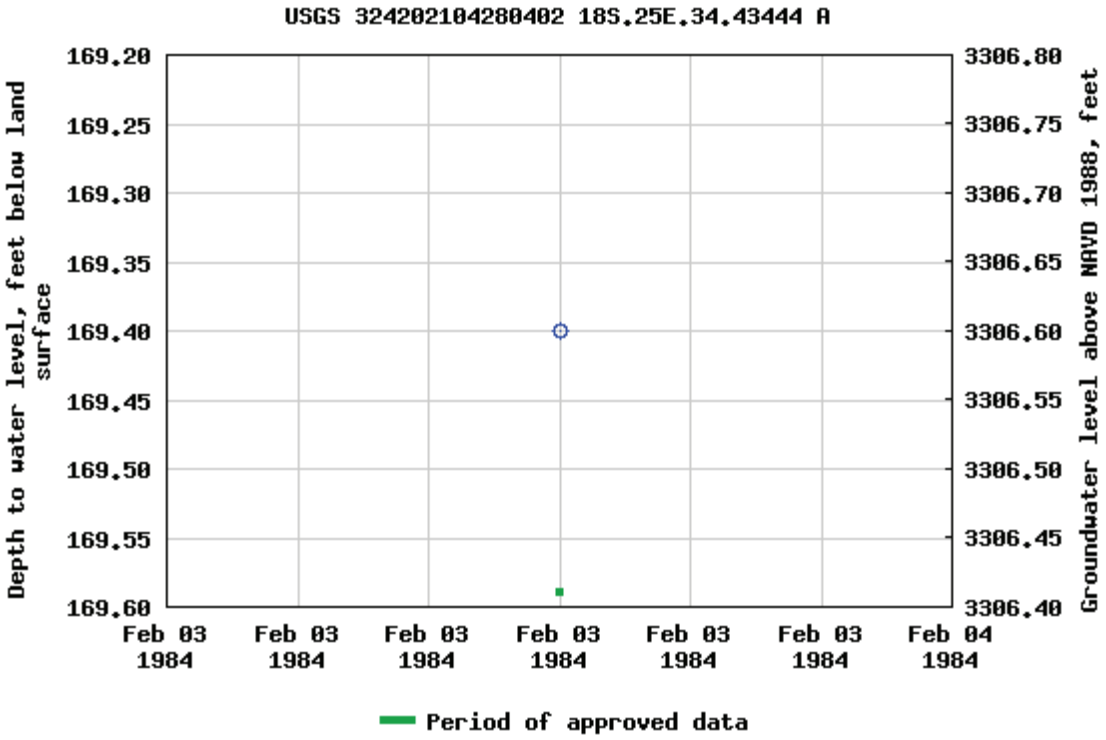
USGS 324202104280402 18S.25E.34.43444 A

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

Eddy County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°42'02", Longitude 104°28'04" NAD27
Land-surface elevation 3,476 feet above NAVD88
The depth of the well is 250 feet below land surface.
This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.
This well is completed in the San Andres Limestone (313SADR) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period



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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	Tws	Rng	X	Y
	RA 07950		3	4	34	18S	25E	549620	3618059*

Driller License: **Driller Company:**

Driller Name:

Drill Start Date: **Drill Finish Date:** **Plug Date:**

Log File Date: **PCW Rcv Date:** **Source:**

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

Casing Size: **Depth Well:** **Depth Water:**

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

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USGS Water Resources

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

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Search Results -- 1 sites found

site_no list =

- 324250104265301

Minimum number of levels = 1

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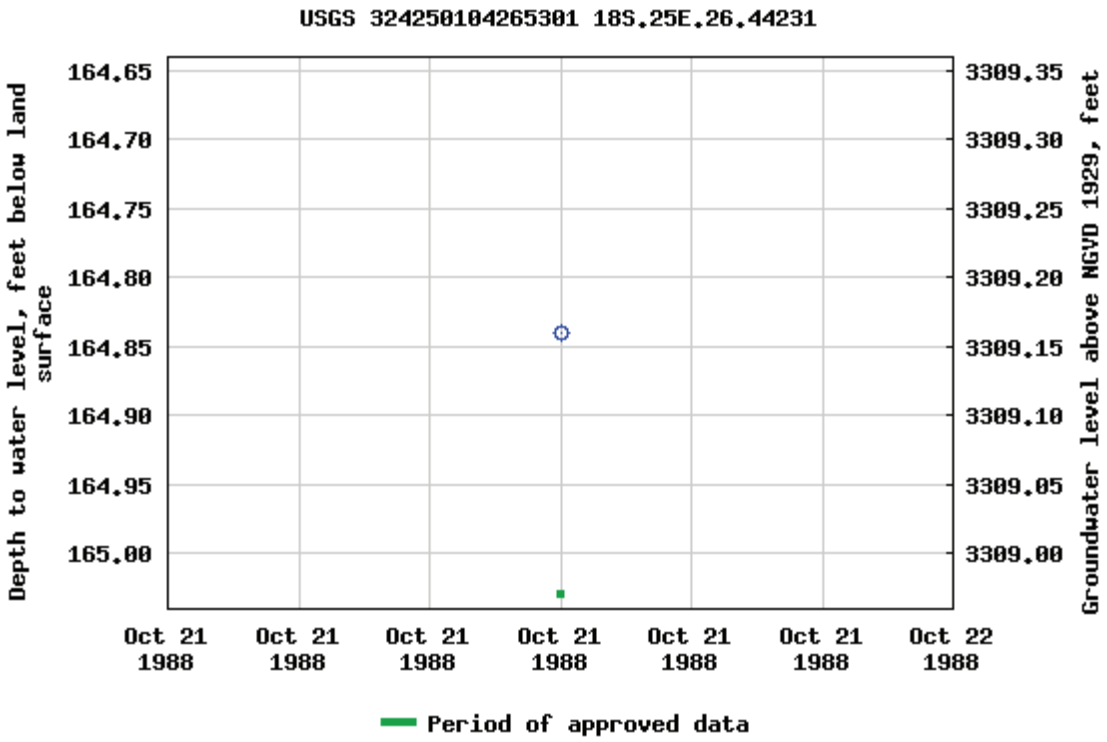
USGS 324250104265301 18S.25E.26.44231

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

Eddy County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°42'50", Longitude 104°26'53" NAD27
Land-surface elevation 3,474 feet above NGVD29
The depth of the well is 455.00 feet below land surface.
This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.
This well is completed in the Artesia Group (313ARTS) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period



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Search Results -- 1 sites found

site_no list =

- 324220104264001

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

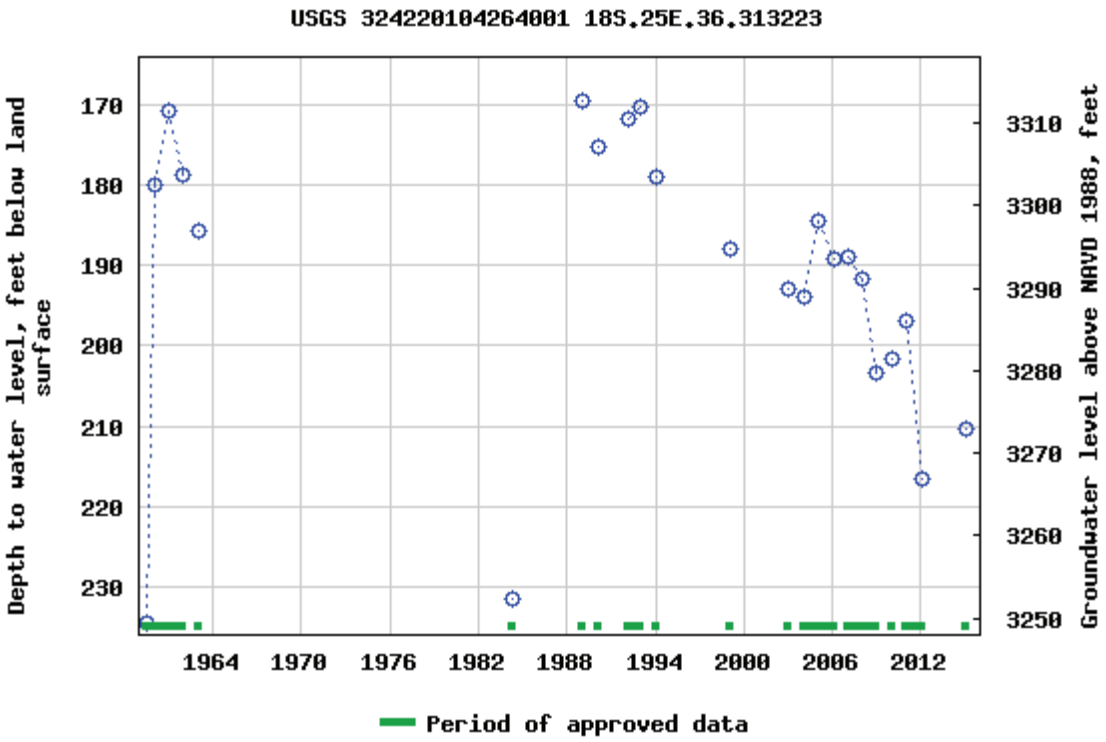
USGS 324220104264001 18S.25E.36.313223

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

Eddy County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°42'20", Longitude 104°26'40" NAD27
Land-surface elevation 3,483 feet above NAVD88
The depth of the well is 430 feet below land surface.
This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.
This well is completed in the San Andres Limestone (313SADR) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period



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

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Search Results -- 1 sites found

site_no list =

- 324331104264901

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

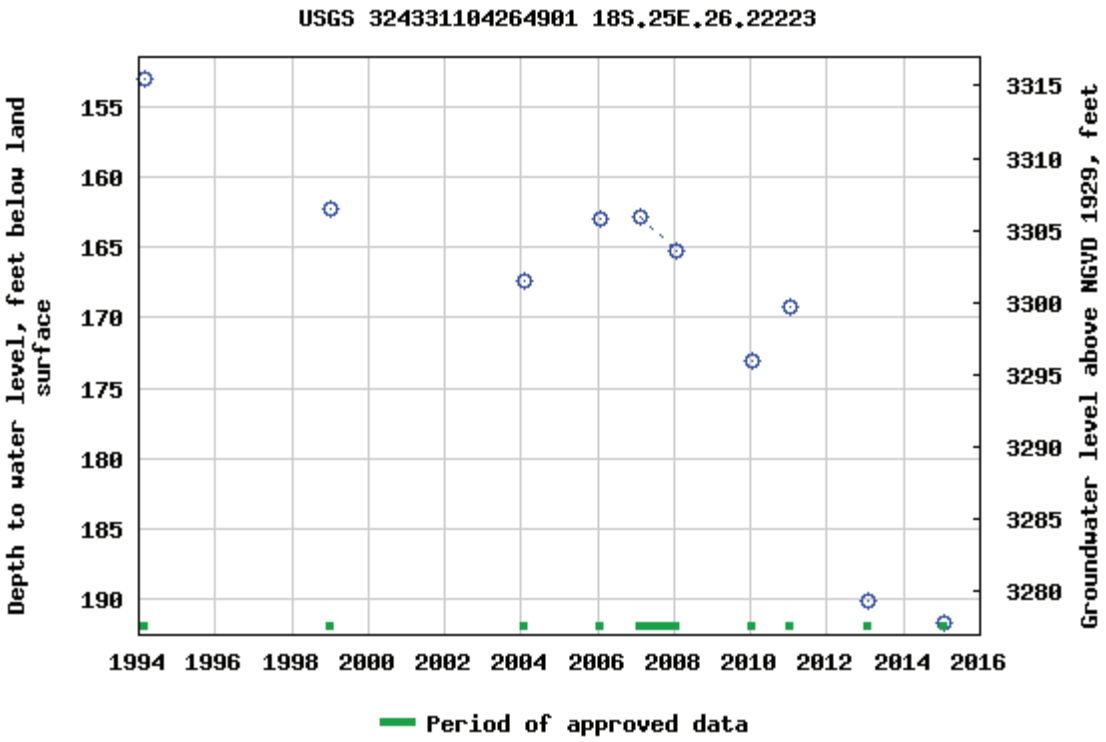
USGS 324331104264901 18S.25E.26.22223

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

Eddy County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°43'31", Longitude 104°26'49" NAD27
Land-surface elevation 3,469 feet above NGVD29
The depth of the well is 250.00 feet below land surface.
This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.
This well is completed in the Artesia Group (313ARTS) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period



Breaks in the plot represent a gap of at least one year between field measurements.
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: 2022-08-23 17:20:31 EDT
0.57 0.49 nadww01

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater

Geographic Area: United States

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Search Results -- 1 sites found

site_no list =

- 324325104271201

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

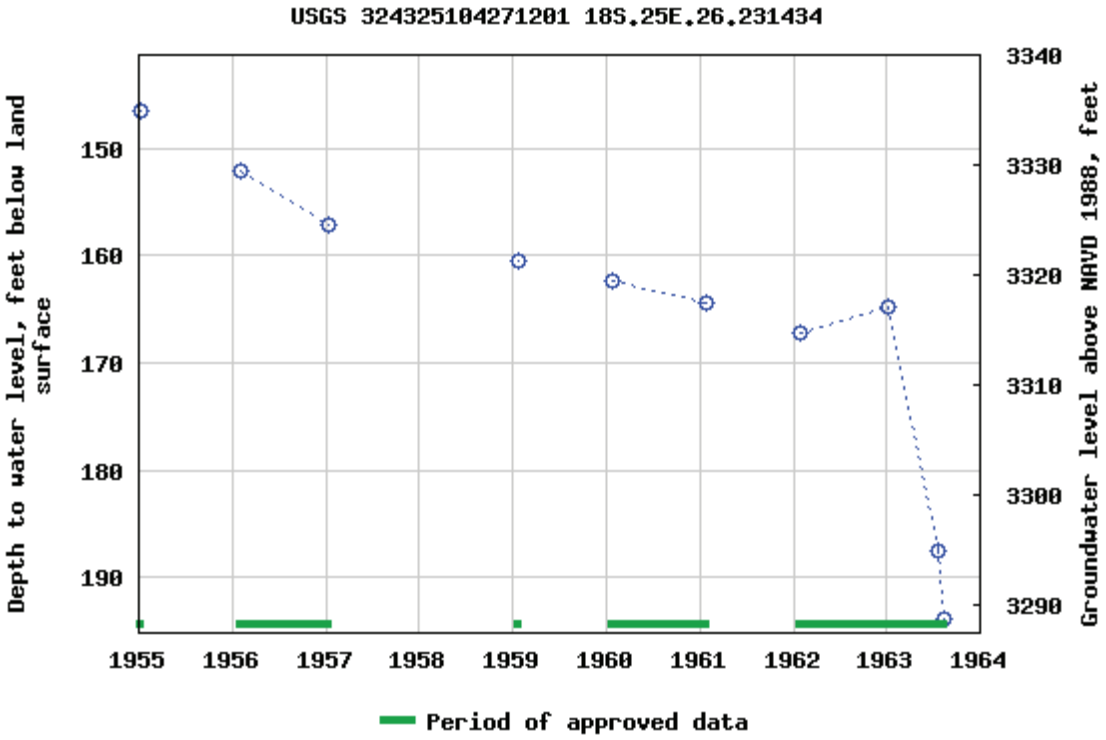
USGS 324325104271201 18S.25E.26.231434

Available data for this site Groundwater: Field measurements GO

Eddy County, New Mexico
Hydrologic Unit Code 13060010
Latitude 32°43'25", Longitude 104°27'12" NAD27
Land-surface elevation 3,482 feet above NAVD88
The depth of the well is 200 feet below land surface.
This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.
This well is completed in the San Andres Limestone (313SADR) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period



Breaks in the plot represent a gap of at least one year between field measurements.
Download a presentation-quality graph

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

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater

Geographic Area: United States

GO

Click to hideNews Bulletins

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

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

site_no list =

- 324251104304901

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

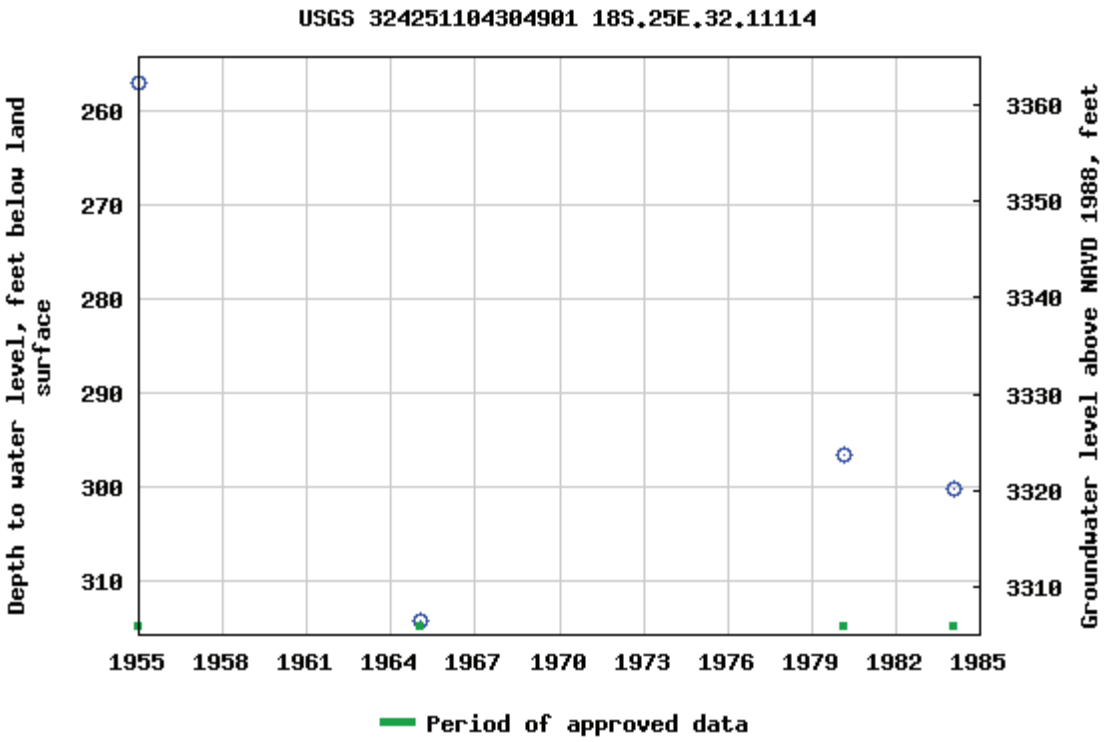
USGS 324251104304901 18S.25E.32.11114

Available data for this site Groundwater: Field measurements GO

Eddy County, New Mexico
Hydrologic Unit Code 13060010
Latitude 32°42'51", Longitude 104°30'49" NAD27
Land-surface elevation 3,620 feet above NAVD88
The depth of the well is 425 feet below land surface.
This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.
This well is completed in the San Andres Limestone (313SADR) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period



Breaks in the plot represent a gap of at least one year between field measurements.
Download a presentation-quality graph

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

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

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2022-08-23 17:16:36 EDT
0.58 0.52 nadww01

ATTACHMENT 3 – SITE PHOTOGRAPHS

PHOTOGRAPH NO. 1 – A typical view of the Site during the March 5, 2019 Ranger sampling event. The view is towards the north.

PHOTOGRAPH NO. 2 – An additional view of the Site during the March 5, 2019 Ranger sampling event. The view is towards the northwest.

PHOTOGRAPH NO. 3 – A view of the Site during the February 12, 2019 EM survey.

PHOTOGRAPH NO. 4 – A view of the mapped and observed area located to the west of the site during the May 31, 2022, inspection. The view is towards the east-southeast.
(Approximate GPS: 32.706278, -104.472653)

PHOTOGRAPH NO. 5 – An additional view of the mapped and observed area located to the west of the site during the May 31, 2022, inspection. The view is towards the southeast.
(Approximate GPS: 32.706440, -104.472056)

PHOTOGRAPH NO. 6 – An additional view of the mapped and observed area located to the west of the site during the May 31, 2022, inspection. The view is towards the east towards the Site. A vehicle parked at the Site can be seen in the photograph.
(Approximate GPS: 32.705808, -104.472047)

PHOTOGRAPH NO. 7 – A typical view of the October 28, 2022 vertical delineation test excavation activities.

PHOTOGRAPH NO. 8 – A typical view of the November 12, 2022 vertical delineation soil boring installation activities.

PHOTOGRAPH NO. 9 – A typical view of the April 25, 2023 vertical delineation soil boring and temporary monitor well installation activities.

PHOTOGRAPH NO. 10 – A typical view of the April 2023 temporary monitor wells at the time of gauging on April 28, 2023.

ATTACHMENT 4 – LABORATORY ANALYTICAL REPORTS

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

April 26, 2023

WILL KIERDORF

RANGER ENVIRONMENTAL SERVICES, INC.

PO BOX 201179

AUSTIN, TX 78729

RE: SCOUT EH FEDERAL #6

Enclosed are the results of analyses for samples received by the laboratory on 04/26/23 8:39.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
WILL KIERDORF
PO BOX 201179
AUSTIN TX, 78729
Fax To: (512) 335-0527

Received:	04/26/2023	Sampling Date:	04/25/2023
Reported:	04/26/2023	Sampling Type:	Soil
Project Name:	SCOUT EH FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY COUNTY, NM		

Sample ID: B-1.A/60' (H232026-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/26/2023	ND	2.14	107	2.00	4.38	
Toluene*	<0.050	0.050	04/26/2023	ND	2.15	107	2.00	3.88	
Ethylbenzene*	<0.050	0.050	04/26/2023	ND	2.17	109	2.00	3.28	
Total Xylenes*	<0.150	0.150	04/26/2023	ND	6.60	110	6.00	2.15	
Total BTEX	<0.300	0.300	04/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**8660**	16.0	04/26/2023	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2023	ND	196	97.9	200	2.85	
DRO >C10-C28*	<10.0	10.0	04/26/2023	ND	190	94.9	200	3.05	
EXT DRO >C28-C36	<10.0	10.0	04/26/2023	ND					

Surrogate: 1-Chlorooctane *94.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *101 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
WILL KIERDORF
PO BOX 201179
AUSTIN TX, 78729
Fax To: (512) 335-0527

Received:	04/26/2023	Sampling Date:	04/25/2023
Reported:	04/26/2023	Sampling Type:	Soil
Project Name:	SCOUT EH FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY COUNTY, NM		

Sample ID: B-1.A/80' (H232026-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/26/2023	ND	2.14	107	2.00	4.38	
Toluene*	<0.050	0.050	04/26/2023	ND	2.15	107	2.00	3.88	
Ethylbenzene*	<0.050	0.050	04/26/2023	ND	2.17	109	2.00	3.28	
Total Xylenes*	<0.150	0.150	04/26/2023	ND	6.60	110	6.00	2.15	
Total BTEX	<0.300	0.300	04/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	04/26/2023	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2023	ND	196	97.9	200	2.85	
DRO >C10-C28*	<10.0	10.0	04/26/2023	ND	190	94.9	200	3.05	
EXT DRO >C28-C36	<10.0	10.0	04/26/2023	ND					

Surrogate: 1-Chlorooctane *104 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *110 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
WILL KIERDORF
PO BOX 201179
AUSTIN TX, 78729
Fax To: (512) 335-0527

Received:	04/26/2023	Sampling Date:	04/25/2023
Reported:	04/26/2023	Sampling Type:	Soil
Project Name:	SCOUT EH FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY COUNTY, NM		

Sample ID: B-3.A/40' (H232026-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/26/2023	ND	2.14	107	2.00	4.38	
Toluene*	<0.050	0.050	04/26/2023	ND	2.15	107	2.00	3.88	
Ethylbenzene*	<0.050	0.050	04/26/2023	ND	2.17	109	2.00	3.28	
Total Xylenes*	<0.150	0.150	04/26/2023	ND	6.60	110	6.00	2.15	
Total BTEX	<0.300	0.300	04/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1070**	16.0	04/26/2023	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2023	ND	196	97.9	200	2.85	
DRO >C10-C28*	<10.0	10.0	04/26/2023	ND	190	94.9	200	3.05	
EXT DRO >C28-C36	<10.0	10.0	04/26/2023	ND					

Surrogate: 1-Chlorooctane *103 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *111 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
WILL KIERDORF
PO BOX 201179
AUSTIN TX, 78729
Fax To: (512) 335-0527

Received:	04/26/2023	Sampling Date:	04/25/2023
Reported:	04/26/2023	Sampling Type:	Soil
Project Name:	SCOUT EH FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY COUNTY, NM		

Sample ID: B-3.A/70' (H232026-04)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/26/2023	ND	2.14	107	2.00	4.38	
Toluene*	<0.050	0.050	04/26/2023	ND	2.15	107	2.00	3.88	
Ethylbenzene*	<0.050	0.050	04/26/2023	ND	2.17	109	2.00	3.28	
Total Xylenes*	<0.150	0.150	04/26/2023	ND	6.60	110	6.00	2.15	
Total BTEX	<0.300	0.300	04/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	04/26/2023	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2023	ND	196	97.9	200	2.85	
DRO >C10-C28*	<10.0	10.0	04/26/2023	ND	190	94.9	200	3.05	
EXT DRO >C28-C36	<10.0	10.0	04/26/2023	ND					

Surrogate: 1-Chlorooctane *96.8 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *102 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
WILL KIERDORF
PO BOX 201179
AUSTIN TX, 78729
Fax To: (512) 335-0527

Received:	04/26/2023	Sampling Date:	04/25/2023
Reported:	04/26/2023	Sampling Type:	Soil
Project Name:	SCOUT EH FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY COUNTY, NM		

Sample ID: B-3.A/80' (H232026-05)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/26/2023	ND	2.14	107	2.00	4.38	
Toluene*	<0.050	0.050	04/26/2023	ND	2.15	107	2.00	3.88	
Ethylbenzene*	<0.050	0.050	04/26/2023	ND	2.17	109	2.00	3.28	
Total Xylenes*	<0.150	0.150	04/26/2023	ND	6.60	110	6.00	2.15	
Total BTEX	<0.300	0.300	04/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	04/26/2023	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2023	ND	196	97.9	200	2.85	
DRO >C10-C28*	<10.0	10.0	04/26/2023	ND	190	94.9	200	3.05	
EXT DRO >C28-C36	<10.0	10.0	04/26/2023	ND					

Surrogate: 1-Chlorooctane *100 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *107 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

Pg 1 of 1

CARDINAL Laboratories
101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ranger Environmental Services, LLC		**BILL TO**	
Project Manager: Will Kierdorf		**P.O. #:**	
Address: PO Box 201179		**Company:** EOG Artesia	
City: Austin	**State:** TX **Zip:** 78720	**Attn:** Chase Settle	
Phone #: 512-289-3272	**Fax #:** 512-335-0527	**Address:** 104 S. 4th St.	
Project #: 5375	**Project Owner:**	**City:** Artesia	
Project Name: Scout EH Federal #6		**State:** NM	**Zip:** 88210
Project Location: Eddy County, NM		**Phone #:**	
Sampler Name: R. Woodburn & W. Kierdorf		**Fax #:**	

ANALYSIS REQUEST

Lab I.D. (FOR LAB USE ONLY)	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	MATRIX: WASTEWATER	MATRIX: SOIL	MATRIX: OIL	MATRIX: SLUDGE	MATRIX: OTHER :	PRESERV: ACID/BASE:	PRESERV: ICE / COOL	PRESERV: OTHER :	SAMPLING: DATE	SAMPLING: TIME	TPH: (8015) EXT	BTEX (8021B)	Chloride (SM 4500)
H232026 1	B-1.A/60'	G	1			X					X		4/25/2023	1350 (~~1452~~)	X	X	X
2	B-1.A/80'	G	1			X					X		4/25/2023	1435 (~~1330~~)	X	X	X
3	B-3.A/40'	G	1			X					X		4/25/2023	0900	X	X	X
4	B-3.A/70'	G	1			X					X		4/25/2023	0955	X	X	X
5	B-3.A/80'	G	1			X					X		4/25/2023	1030	X	X	X

Relinquished By: [signature]	**Date:** 4/26/23 **Time:** 0839	**Received By:** [signature]	**Phone Result:** ☐ Yes ☐ No **Add'l Phone #:**
Relinquished By:	**Date:** **Time:**	**Received By:**	**Fax Result:** ☐ Yes ☐ No **Add'l Fax #:**
Delivered By: (Circle One) #113	**Sample Condition** Cool: ☑ Yes ☐ No; Intact: ☑ Yes ☐ No	**CHECKED BY: (Initials)** TO	**REMARKS:** *SAME DAY RUSH TAT*
Sampler - UPS - Bus - Other: 2.5c / 1.9c			

FORM-006 R 2.0

† Please fax written changes to 575-393-2476

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

November 30, 2022

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

RE: Scout EH Federal 6 OrderNo.: 2211807

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 6 sample(s) on 11/15/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2211807**
Date Reported: **11/30/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: B-1/45
Project: Scout EH Federal 6
Collection Date: 11/12/2022 10:00:00 AM
Lab ID: 2211807-001 **Matrix:** SOIL **Received Date:** 11/15/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	10000	600		mg/Kg	200	11/22/2022 3:06:23 PM	71617
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	11/18/2022 6:30:09 PM	71567
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/18/2022 6:30:09 PM	71567
Surr: DNOP	114	21-129		%Rec	1	11/18/2022 6:30:09 PM	71567
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	11/19/2022 8:36:47 AM	71556
Surr: BFB	87.6	37.7-212		%Rec	1	11/19/2022 8:36:47 AM	71556
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	11/19/2022 8:36:47 AM	71556
Toluene	ND	0.050		mg/Kg	1	11/19/2022 8:36:47 AM	71556
Ethylbenzene	ND	0.050		mg/Kg	1	11/19/2022 8:36:47 AM	71556
Xylenes, Total	ND	0.10		mg/Kg	1	11/19/2022 8:36:47 AM	71556
Surr: 4-Bromofluorobenzene	91.5	70-130		%Rec	1	11/19/2022 8:36:47 AM	71556

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2211807**
Date Reported: **11/30/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: B-1/70
Project: Scout EH Federal 6
Collection Date: 11/12/2022 10:42:00 AM
Lab ID: 2211807-002 **Matrix:** SOIL **Received Date:** 11/15/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JTT**	
Chloride	1900	60		mg/Kg	20	11/21/2022 8:00:40 PM	71617
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	11/18/2022 7:01:14 PM	71567
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	11/18/2022 7:01:14 PM	71567
Surr: DNOP	104	21-129		%Rec	1	11/18/2022 7:01:14 PM	71567
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/19/2022 9:00:32 AM	71556
Surr: BFB	86.1	37.7-212		%Rec	1	11/19/2022 9:00:32 AM	71556
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	11/19/2022 9:00:32 AM	71556
Toluene	ND	0.049		mg/Kg	1	11/19/2022 9:00:32 AM	71556
Ethylbenzene	ND	0.049		mg/Kg	1	11/19/2022 9:00:32 AM	71556
Xylenes, Total	ND	0.098		mg/Kg	1	11/19/2022 9:00:32 AM	71556
Surr: 4-Bromofluorobenzene	90.4	70-130		%Rec	1	11/19/2022 9:00:32 AM	71556

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2211807**
Date Reported: **11/30/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: B-2/10
Project: Scout EH Federal 6
Collection Date: 11/12/2022 10:59:00 AM
Lab ID: 2211807-003 **Matrix:** SOIL **Received Date:** 11/15/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	2500	150		mg/Kg	50	11/22/2022 3:18:47 PM	71617
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	11/18/2022 7:11:33 PM	71567
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/18/2022 7:11:33 PM	71567
Surr: DNOP	120	21-129		%Rec	1	11/18/2022 7:11:33 PM	71567
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/19/2022 9:24:09 AM	71556
Surr: BFB	87.6	37.7-212		%Rec	1	11/19/2022 9:24:09 AM	71556
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	11/19/2022 9:24:09 AM	71556
Toluene	ND	0.049		mg/Kg	1	11/19/2022 9:24:09 AM	71556
Ethylbenzene	ND	0.049		mg/Kg	1	11/19/2022 9:24:09 AM	71556
Xylenes, Total	ND	0.098		mg/Kg	1	11/19/2022 9:24:09 AM	71556
Surr: 4-Bromofluorobenzene	91.7	70-130		%Rec	1	11/19/2022 9:24:09 AM	71556

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2211807**
Date Reported: **11/30/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: B-2/25
Project: Scout EH Federal 6
Collection Date: 11/12/2022 11:05:00 AM
Lab ID: 2211807-004 **Matrix:** SOIL **Received Date:** 11/15/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JTT**	
Chloride	450	59		mg/Kg	20	11/21/2022 8:25:21 PM	71617
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	11/18/2022 7:21:50 PM	71567
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	11/18/2022 7:21:50 PM	71567
Surr: DNOP	117	21-129		%Rec	1	11/18/2022 7:21:50 PM	71567
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/19/2022 9:47:53 AM	71556
Surr: BFB	87.3	37.7-212		%Rec	1	11/19/2022 9:47:53 AM	71556
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	11/19/2022 9:47:53 AM	71556
Toluene	ND	0.047		mg/Kg	1	11/19/2022 9:47:53 AM	71556
Ethylbenzene	ND	0.047		mg/Kg	1	11/19/2022 9:47:53 AM	71556
Xylenes, Total	ND	0.095		mg/Kg	1	11/19/2022 9:47:53 AM	71556
Surr: 4-Bromofluorobenzene	91.1	70-130		%Rec	1	11/19/2022 9:47:53 AM	71556

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2211807**
Date Reported: **11/30/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: B-3/40
Project: Scout EH Federal 6
Collection Date: 11/12/2022 12:00:00 PM
Lab ID: 2211807-005 **Matrix:** SOIL **Received Date:** 11/15/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **NAI**	
Chloride	2900	150		mg/Kg	50	11/22/2022 3:31:11 PM	71617
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	11/18/2022 7:42:21 PM	71567
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/18/2022 7:42:21 PM	71567
Surr: DNOP	123	21-129		%Rec	1	11/18/2022 7:42:21 PM	71567
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/19/2022 10:59:14 AM	71556
Surr: BFB	89.4	37.7-212		%Rec	1	11/19/2022 10:59:14 AM	71556
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	11/19/2022 10:59:14 AM	71556
Toluene	ND	0.048		mg/Kg	1	11/19/2022 10:59:14 AM	71556
Ethylbenzene	ND	0.048		mg/Kg	1	11/19/2022 10:59:14 AM	71556
Xylenes, Total	ND	0.095		mg/Kg	1	11/19/2022 10:59:14 AM	71556
Surr: 4-Bromofluorobenzene	94.5	70-130		%Rec	1	11/19/2022 10:59:14 AM	71556

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2211807**
Date Reported: **11/30/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG **Client Sample ID:** B-3/60
Project: Scout EH Federal 6 **Collection Date:** 11/12/2022 12:30:00 PM
Lab ID: 2211807-006 **Matrix:** SOIL **Received Date:** 11/15/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JTT**	
Chloride	1300	60		mg/Kg	20	11/21/2022 8:50:03 PM	71617
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	11/18/2022 7:52:38 PM	71567
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/18/2022 7:52:38 PM	71567
Surr: DNOP	107	21-129		%Rec	1	11/18/2022 7:52:38 PM	71567
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/19/2022 11:22:56 AM	71556
Surr: BFB	90.9	37.7-212		%Rec	1	11/19/2022 11:22:56 AM	71556
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	11/19/2022 11:22:56 AM	71556
Toluene	ND	0.049		mg/Kg	1	11/19/2022 11:22:56 AM	71556
Ethylbenzene	ND	0.049		mg/Kg	1	11/19/2022 11:22:56 AM	71556
Xylenes, Total	ND	0.097		mg/Kg	1	11/19/2022 11:22:56 AM	71556
Surr: 4-Bromofluorobenzene	94.6	70-130		%Rec	1	11/19/2022 11:22:56 AM	71556

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2211807**

30-Nov-22

Client: EOG

Project: Scout EH Federal 6

Sample ID: **MB-71617**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **71617**	RunNo: **92751**							
Prep Date: **11/21/2022**	Analysis Date: **11/21/2022**	SeqNo: **3338146**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-71617**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **71617**	RunNo: **92751**							
Prep Date: **11/21/2022**	Analysis Date: **11/21/2022**	SeqNo: **3338147**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	90.9	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2211807**

30-Nov-22

Client: EOG

Project: Scout EH Federal 6

Sample ID: **MB-71567**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **71567**	RunNo: **92689**
Prep Date: **11/17/2022**	Analysis Date: **11/18/2022**	SeqNo: **3337335** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	16		10.00		161	21	129			S

Sample ID: **LCS-71567**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **71567**	RunNo: **92756**
Prep Date: **11/17/2022**	Analysis Date: **11/21/2022**	SeqNo: **3338365** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	54	15	50.00	0	109	64.4	127			
Surr: DNOP	5.7		5.000		113	21	129			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2211807**

30-Nov-22

Client: EOG

Project: Scout EH Federal 6

Sample ID: **mb-71556**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **71556**	RunNo: **92694**
Prep Date: **11/16/2022**	Analysis Date: **11/19/2022**	SeqNo: **3335455** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	940		1000		93.6	37.7	212			

Sample ID: **lcs-71556**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **71556**	RunNo: **92694**
Prep Date: **11/16/2022**	Analysis Date: **11/19/2022**	SeqNo: **3335456** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	90.4	72.3	137			
Surr: BFB	1800		1000		181	37.7	212			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2211807**

30-Nov-22

Client: EOG

Project: Scout EH Federal 6

Sample ID: **mb-71556**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **71556**	RunNo: **92694**
Prep Date: **11/16/2022**	Analysis Date: **11/19/2022**	SeqNo: **3335533** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.97		1.000		97.1	70	130			

Sample ID: **LCS-71556**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **71556**	RunNo: **92694**
Prep Date: **11/16/2022**	Analysis Date: **11/19/2022**	SeqNo: **3335534** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	1.000	0	93.8	80	120			
Toluene	0.96	0.050	1.000	0	96.5	80	120			
Ethylbenzene	0.96	0.050	1.000	0	96.2	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.7	80	120			
Surr: 4-Bromofluorobenzene	0.95		1.000		95.2	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: EOG Work Order Number: 2211807 RcptNo: 1

Received By: Juan Rojas 11/15/2022 7:30:00 AM

Completed By: Sean Livingston 11/15/2022 8:57:52 AM

Reviewed By: KPG 11-15-22

Chain of Custody

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

Log In

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

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

Adjusted? _____

Checked by: SNL 11/15/22

Special Handling (if applicable)

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

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.3	Good				

Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.

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

Ranger: PO Box 201179, Austin TX 78720

Phone #: 521-335-1785

email or Fax#: Will@RangerEnv.com

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

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

Turn-Around Time:
☒ Standard ☒ Rush 5-day TAT

Project Name: Scout Eff Federal #6

Project #: 5375

Project Manager: W. Kierdorf

Sampler: W. Kennedy
On Ice: ☑ Yes ☐ No
# of Coolers: 1
Cooler Temp (including CF): 0.3-0=0.3

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

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2211807	BTEX (8021)	TPH:8015D(GRO / DRO / MRO)	Chloride (EPA 300)
11/12/22	1000	Soil	B-1/45	1x4oz Jar	ICE	001	X	X	X
"	1042	"	B-1/70	"	"	002	"	"	"
"	1059	"	B-2/10	"	"	003	"	"	"
"	1115	"	B-2/25	"	"	004	"	"	"
"	1200	"	B-3/40	"	"	005	"	"	"
↓	1230	~~Soil~~ Water	B-3/60	"	"	006	"	"	"

Analysis Request

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
11/14/22	1100	W. Kennedy	[signature]		11/14/22	1100
11/14/22	1900	[signature]	[signature]	courier	11/15/22	7:30

Remarks: Bill to EOG Artesia

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

November 07, 2022

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

RE: Scout EH Fed 6 OrderNo.: 2211053

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 4 sample(s) on 11/2/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2211053**
Date Reported: **11/7/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-1/19
Project: Scout EH Fed 6
Collection Date: 10/28/2022 2:18:00 PM
Lab ID: 2211053-001 **Matrix:** SOIL **Received Date:** 11/2/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	7500	300		mg/Kg	100	11/3/2022 4:50:08 PM	71230
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	11/2/2022 10:52:11 AM	71228
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	11/2/2022 10:52:11 AM	71228
Surr: DNOP	101	21-129		%Rec	1	11/2/2022 10:52:11 AM	71228
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	3.7		mg/Kg	1	11/2/2022 8:21:00 AM	G92280
Surr: BFB	88.9	37.7-212		%Rec	1	11/2/2022 8:21:00 AM	G92280
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.018		mg/Kg	1	11/2/2022 8:21:00 AM	B92280
Toluene	ND	0.037		mg/Kg	1	11/2/2022 8:21:00 AM	B92280
Ethylbenzene	ND	0.037		mg/Kg	1	11/2/2022 8:21:00 AM	B92280
Xylenes, Total	ND	0.074		mg/Kg	1	11/2/2022 8:21:00 AM	B92280
Surr: 4-Bromofluorobenzene	95.0	70-130		%Rec	1	11/2/2022 8:21:00 AM	B92280

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2211053**
Date Reported: **11/7/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-1/20
Project: Scout EH Fed 6
Collection Date: 10/28/2022 2:23:00 PM
Lab ID: 2211053-002 **Matrix:** SOIL **Received Date:** 11/2/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	8300	300		mg/Kg	100	11/3/2022 5:02:29 PM	71230
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	11/2/2022 11:23:57 AM	71228
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	11/2/2022 11:23:57 AM	71228
Surr: DNOP	100	21-129		%Rec	1	11/2/2022 11:23:57 AM	71228
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.3		mg/Kg	1	11/2/2022 8:44:36 AM	G92280
Surr: BFB	85.8	37.7-212		%Rec	1	11/2/2022 8:44:36 AM	G92280
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.021		mg/Kg	1	11/2/2022 8:44:36 AM	B92280
Toluene	ND	0.043		mg/Kg	1	11/2/2022 8:44:36 AM	B92280
Ethylbenzene	ND	0.043		mg/Kg	1	11/2/2022 8:44:36 AM	B92280
Xylenes, Total	ND	0.086		mg/Kg	1	11/2/2022 8:44:36 AM	B92280
Surr: 4-Bromofluorobenzene	91.8	70-130		%Rec	1	11/2/2022 8:44:36 AM	B92280

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2211053**
Date Reported: **11/7/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-2/12
Project: Scout EH Fed 6
Collection Date: 10/28/2022 3:20:00 PM
Lab ID: 2211053-003 **Matrix:** SOIL **Received Date:** 11/2/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	3500	150		mg/Kg	50	11/3/2022 5:14:50 PM	71230
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	3000	140		mg/Kg	10	11/2/2022 11:34:34 AM	71228
Motor Oil Range Organics (MRO)	1300	480		mg/Kg	10	11/2/2022 11:34:34 AM	71228
Surr: DNOP	0	21-129	S	%Rec	10	11/2/2022 11:34:34 AM	71228
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	79	20		mg/Kg	5	11/2/2022 9:08:09 AM	G92280
Surr: BFB	208	37.7-212		%Rec	5	11/2/2022 9:08:09 AM	G92280
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.10		mg/Kg	5	11/2/2022 9:08:09 AM	B92280
Toluene	ND	0.20		mg/Kg	5	11/2/2022 9:08:09 AM	B92280
Ethylbenzene	ND	0.20		mg/Kg	5	11/2/2022 9:08:09 AM	B92280
Xylenes, Total	0.52	0.41		mg/Kg	5	11/2/2022 9:08:09 AM	B92280
Surr: 4-Bromofluorobenzene	94.8	70-130		%Rec	5	11/2/2022 9:08:09 AM	B92280

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2211053**
Date Reported: **11/7/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: TH-2/17
Project: Scout EH Fed 6
Collection Date: 10/28/2022 3:38:00 PM
Lab ID: 2211053-004 **Matrix:** SOIL **Received Date:** 11/2/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	3700	150		mg/Kg	50	11/3/2022 5:27:12 PM	71230
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**	
Diesel Range Organics (DRO)	3800	140		mg/Kg	10	11/2/2022 11:55:49 AM	71228
Motor Oil Range Organics (MRO)	1200	480		mg/Kg	10	11/2/2022 11:55:49 AM	71228
Surr: DNOP	0	21-129	S	%Rec	10	11/2/2022 11:55:49 AM	71228
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	490	17		mg/Kg	5	11/2/2022 9:31:48 AM	G92280
Surr: BFB	848	37.7-212	S	%Rec	5	11/2/2022 9:31:48 AM	G92280
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	0.27	0.084		mg/Kg	5	11/2/2022 9:31:48 AM	B92280
Toluene	7.7	0.17		mg/Kg	5	11/2/2022 9:31:48 AM	B92280
Ethylbenzene	22	0.67		mg/Kg	20	11/2/2022 12:16:45 PM	B92280
Xylenes, Total	36	0.33		mg/Kg	5	11/2/2022 9:31:48 AM	B92280
Surr: 4-Bromofluorobenzene	210	70-130	S	%Rec	5	11/2/2022 9:31:48 AM	B92280

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2211053**

07-Nov-22

Client: EOG

Project: Scout EH Fed 6

Sample ID: **MB-71230**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **71230**	RunNo: **92306**
Prep Date: **11/2/2022**	Analysis Date: **11/2/2022**	SeqNo: **3316142** Units: **mg/Kg**

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

Sample ID: **LCS-71230**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **71230**	RunNo: **92306**
Prep Date: **11/2/2022**	Analysis Date: **11/2/2022**	SeqNo: **3316143** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.4	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2211053**

07-Nov-22

Client: EOG

Project: Scout EH Fed 6

Sample ID: **LCS-71228**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **71228**	RunNo: **92253**
Prep Date: **11/2/2022**	Analysis Date: **11/2/2022**	SeqNo: **3313728** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	15	50.00	0	86.0	64.4	127			
Surr: DNOP	5.1		5.000		101	21	129			

Sample ID: **MB-71228**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **71228**	RunNo: **92253**
Prep Date: **11/2/2022**	Analysis Date: **11/2/2022**	SeqNo: **3313729** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.9		10.00		98.8	21	129			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2211053**

07-Nov-22

Client: EOG

Project: Scout EH Fed 6

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **G92280**	RunNo: **92280**
Prep Date:	Analysis Date: **11/2/2022**	SeqNo: **3314544** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	960		1000		96.5	37.7	212			

Sample ID: **2.5ug gro lcs**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **G92280**	RunNo: **92280**
Prep Date:	Analysis Date: **11/2/2022**	SeqNo: **3314545** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	98.8	72.3	137			
Surr: BFB	1800		1000		184	37.7	212			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2211053**

07-Nov-22

Client: EOG

Project: Scout EH Fed 6

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **B92280**	RunNo: **92280**
Prep Date:	Analysis Date: **11/2/2022**	SeqNo: **3314589** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		102	70	130			

Sample ID: **100ng btex lcs**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **B92280**	RunNo: **92280**
Prep Date:	Analysis Date: **11/2/2022**	SeqNo: **3314590** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	1.000	0	95.7	80	120			
Toluene	0.98	0.050	1.000	0	97.7	80	120			
Ethylbenzene	0.98	0.050	1.000	0	98.5	80	120			
Xylenes, Total	2.9	0.10	3.000	0	98.2	80	120			
Surr: 4-Bromofluorobenzene	0.99		1.000		99.3	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: **EOG** Work Order Number: **2211053** RcptNo: 1

Received By: **Tracy Casarrubias** **11/2/2022 7:20:00 AM**

Completed By: **Cheyenne Cason** **11/2/2022 8:05:58 AM**

Reviewed By: 11-2-22

Chain of Custody

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

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☐	No ☑	NA ☐
	Samples not frozen		
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: yn 11/2/22

Special Handling (if applicable)

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

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	-0.3	Good	Not Present			
2	4.6	Good	Not Present			
3	4.4	Good	Not Present			

Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.

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

Ranger: PO Box 201179, Austin TX 78720

Phone #: 521-335-1785

email or Fax#: Will@RangerEnv.com

QA/QC Package:

■ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

■ NELAC ☐ Other

■ EDD (Type) Excel

Turn-Around Time:

☐ Standard ☒ Rush 24-hr

Project Name: Scout E# Fed #6

Project #: 5375

Project Manager: W. Kierdorf

Sampler: W. Kennedy ? J. Martinez

On Ice: ☒ Yes ☐ No

# of Coolers: 3

Cooler Temp (including CF): See Checklist

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2211053	BTEX (8021)	TPH:8015D(GRO / DRO / MRO)	Chloride (EPA 300)
10/28/22	1148	Soil	TH-1/19	1x4oz Jar	ICE	001	X	X	X
	1423		TH-1/20			002			
	1520		TH-2/12			003			
	1538		TH-2/17			004			

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
11/1/22	1115	W. Kennedy			11/1/22	1115
11/1/22	1900				11/2/22	7:20

Remarks: Bill to EOG Artesia

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

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

March 11, 2019

MAX COOK

RANGER ENVIRONMENTAL SERVICES, INC.

PO BOX 201179

AUSTIN, TX 78729

RE: EOG SCOUT FEDERAL #6

Enclosed are the results of analyses for samples received by the laboratory on 03/06/19 11:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
MAX COOK
PO BOX 201179
AUSTIN TX, 78729
Fax To: (512) 335-0527

Received:	03/06/2019	Sampling Date:	03/05/2019
Reported:	03/11/2019	Sampling Type:	Soil
Project Name:	EOG SCOUT FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Jodi Henson
Project Location:	EOG Y - ARTESIA NM		

Sample ID: RSL - 1 / 0' - 1' (H900921-01)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**2520**	16.0	03/08/2019	ND	432	108	400	7.69	

Sample ID: RSL - 1 / 1' - 2' (H900921-02)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**4400**	16.0	03/08/2019	ND	432	108	400	7.69	

Sample ID: RSL - 1 / 2' - 3' (H900921-03)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**4560**	16.0	03/08/2019	ND	432	108	400	7.69	

Sample ID: RSL - 1 / 3' - 4' (H900921-04)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**3240**	16.0	03/08/2019	ND	432	108	400	7.69	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
MAX COOK
PO BOX 201179
AUSTIN TX, 78729
Fax To: (512) 335-0527

Received:	03/06/2019	Sampling Date:	03/05/2019
Reported:	03/11/2019	Sampling Type:	Soil
Project Name:	EOG SCOUT FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Jodi Henson
Project Location:	EOG Y - ARTESIA NM		

Sample ID: RSL - 2 / 0' - 1' (H900921-05)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**5200**	16.0	03/08/2019	ND	432	108	400	7.69	

Sample ID: RSL - 2 / 1' - 2' (H900921-06)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**4960**	16.0	03/08/2019	ND	432	108	400	7.69	

Sample ID: RSL - 2 / 2' - 3' (H900921-07)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**7600**	16.0	03/08/2019	ND	432	108	400	7.69	

Sample ID: RSL - 2 / 3' - 4' (H900921-08)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**5760**	16.0	03/08/2019	ND	432	108	400	7.69	

Sample ID: RSL - 3 / 0' - 1' (H900921-09)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1140**	16.0	03/08/2019	ND	432	108	400	7.69	

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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
MAX COOK
PO BOX 201179
AUSTIN TX, 78729
Fax To: (512) 335-0527

Received:	03/06/2019	Sampling Date:	03/05/2019
Reported:	03/11/2019	Sampling Type:	Soil
Project Name:	EOG SCOUT FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Jodi Henson
Project Location:	EOG Y - ARTESIA NM		

Sample ID: RSL - 3 / 1' - 2' (H900921-10)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**976**	16.0	03/08/2019	ND	416	104	400	0.00	

Sample ID: RSL - 3 / 2' - 3' (H900921-11)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1760**	16.0	03/08/2019	ND	416	104	400	0.00	

Sample ID: RSL - 3 / 3' - 4' (H900921-12)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1380**	16.0	03/08/2019	ND	416	104	400	0.00	

Sample ID: RSL - 4 / 0' - 1' (H900921-13)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**9520**	16.0	03/08/2019	ND	416	104	400	0.00	

Sample ID: RSL - 4 / 1' - 2' (H900921-14)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**6400**	16.0	03/08/2019	ND	416	104	400	0.00	

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MAX COOK
PO BOX 201179
AUSTIN TX, 78729
Fax To: (512) 335-0527

Received:	03/06/2019	Sampling Date:	03/05/2019
Reported:	03/11/2019	Sampling Type:	Soil
Project Name:	EOG SCOUT FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Jodi Henson
Project Location:	EOG Y - ARTESIA NM		

Sample ID: RSL - 4 / 2' - 3' (H900921-15)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**5600**	16.0	03/08/2019	ND	416	104	400	0.00	

Sample ID: RSL - 4 / 3' - 4' (H900921-16)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**2520**	16.0	03/08/2019	ND	416	104	400	0.00	

Sample ID: RSL - 5 / 0' - 1' (H900921-17)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1070**	16.0	03/08/2019	ND	416	104	400	0.00	

Sample ID: RSL - 5 / 1' - 2' (H900921-18)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**688**	16.0	03/08/2019	ND	416	104	400	0.00	

Sample ID: RSL - 5 / 2' - 3' (H900921-19)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1250**	16.0	03/08/2019	ND	416	104	400	0.00	

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Fax To: (512) 335-0527

Received:	03/06/2019	Sampling Date:	03/05/2019
Reported:	03/11/2019	Sampling Type:	Soil
Project Name:	EOG SCOUT FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Jodi Henson
Project Location:	EOG Y - ARTESIA NM		

Sample ID: RSL - 5 / 3' - 4' (H900921-20)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1230**	16.0	03/08/2019	ND	416	104	400	0.00	

Sample ID: RSL - 6 / 0' - 1' (H900921-21)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**928**	16.0	03/08/2019	ND	416	104	400	0.00	

Sample ID: RSL - 6 / 1' - 2' (H900921-22)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1310**	16.0	03/08/2019	ND	416	104	400	0.00	

Sample ID: RSL - 6 / 2' - 3' (H900921-23)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1540**	16.0	03/08/2019	ND	416	104	400	0.00	

Sample ID: RSL - 6 / 3' - 4' (H900921-24)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1440**	16.0	03/08/2019	ND	416	104	400	0.00	

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AUSTIN TX, 78729
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Received:	03/06/2019	Sampling Date:	03/05/2019
Reported:	03/11/2019	Sampling Type:	Soil
Project Name:	EOG SCOUT FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Jodi Henson
Project Location:	EOG Y - ARTESIA NM		

Sample ID: RSL - 7 / 0' - 1' (H900921-25)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**10300**	16.0	03/08/2019	ND	416	104	400	0.00	

Sample ID: RSL - 7 / 1' - 2' (H900921-26)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**8800**	16.0	03/08/2019	ND	416	104	400	0.00	

Sample ID: RSL - 7 / 2' - 3' (H900921-27)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**6800**	16.0	03/08/2019	ND	416	104	400	0.00	

Sample ID: RSL - 7 / 3' - 4' (H900921-28)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**4000**	16.0	03/08/2019	ND	416	104	400	0.00	

Sample ID: RSL - 8 / 0' - 1' (H900921-29)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1330**	16.0	03/08/2019	ND	416	104	400	0.00	

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Fax To: (512) 335-0527

Received:	03/06/2019	Sampling Date:	03/05/2019
Reported:	03/11/2019	Sampling Type:	Soil
Project Name:	EOG SCOUT FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Jodi Henson
Project Location:	EOG Y - ARTESIA NM		

Sample ID: RSL - 8 / 1' - 2' (H900921-30)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**2200**	16.0	03/08/2019	ND	400	100	400	3.92	

Sample ID: RSL - 8 / 2' - 3' (H900921-31)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**3160**	16.0	03/08/2019	ND	400	100	400	3.92	

Sample ID: RSL - 8 / 3' - 4' (H900921-32)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**3760**	16.0	03/08/2019	ND	400	100	400	3.92	

Sample ID: RSL - 9 / 0' - 1' (H900921-33)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**3400**	16.0	03/08/2019	ND	400	100	400	3.92	

Sample ID: RSL - 9 / 1' - 2' (H900921-34)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**2680**	16.0	03/08/2019	ND	400	100	400	3.92	

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Fax To: (512) 335-0527

Received:	03/06/2019	Sampling Date:	03/05/2019
Reported:	03/11/2019	Sampling Type:	Soil
Project Name:	EOG SCOUT FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Jodi Henson
Project Location:	EOG Y - ARTESIA NM		

Sample ID: RSL - 9 / 2' - 3' (H900921-35)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**2920**	16.0	03/08/2019	ND	400	100	400	3.92	

Sample ID: RSL - 9 / 3' - 4' (H900921-36)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**4640**	16.0	03/08/2019	ND	400	100	400	3.92	

Sample ID: RSL - 10 / 0' - 1' (H900921-37)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1280**	16.0	03/08/2019	ND	400	100	400	3.92	

Sample ID: RSL - 10 / 1' - 2' (H900921-38)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1280**	16.0	03/08/2019	ND	400	100	400	3.92	

Sample ID: RSL - 10 / 2' - 3' (H900921-39)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1470**	16.0	03/08/2019	ND	400	100	400	3.92	

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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
MAX COOK
PO BOX 201179
AUSTIN TX, 78729
Fax To: (512) 335-0527

Received:	03/06/2019	Sampling Date:	03/05/2019
Reported:	03/11/2019	Sampling Type:	Soil
Project Name:	EOG SCOUT FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Jodi Henson
Project Location:	EOG Y - ARTESIA NM		

Sample ID: RSL - 10 / 3' - 4' (H900921-40)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**976**	16.0	03/08/2019	ND	400	100	400	3.92	

Sample ID: RSL - 11 / 0' - 1' (H900921-41)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**3160**	16.0	03/08/2019	ND	400	100	400	3.92	

Sample ID: RSL - 11 / 1' - 2' (H900921-42)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**2720**	16.0	03/08/2019	ND	400	100	400	3.92	

Sample ID: RSL - 11 / 2' - 3' (H900921-43)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**3360**	16.0	03/08/2019	ND	400	100	400	3.92	

Sample ID: RSL - 11 / 3' - 4' (H900921-44)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**3800**	16.0	03/08/2019	ND	400	100	400	3.92	

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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
MAX COOK
PO BOX 201179
AUSTIN TX, 78729
Fax To: (512) 335-0527

Received:	03/06/2019	Sampling Date:	03/05/2019
Reported:	03/11/2019	Sampling Type:	Soil
Project Name:	EOG SCOUT FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Jodi Henson
Project Location:	EOG Y - ARTESIA NM		

Sample ID: RSL - 12 / 0' - 1' (H900921-45)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	03/08/2019	ND	400	100	400	3.92	

Sample ID: RSL - 12 / 1' - 2' (H900921-46)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	03/08/2019	ND	400	100	400	3.92	

Sample ID: RSL - 12 / 2' - 3' (H900921-47)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1010**	16.0	03/08/2019	ND	400	100	400	3.92	

Sample ID: RSL - 12 / 3' - 4' (H900921-48)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**416**	16.0	03/08/2019	ND	400	100	400	3.92	

Sample ID: RSL - 13 / 0' - 1' (H900921-49)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**880**	16.0	03/08/2019	ND	400	100	400	3.92	

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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
MAX COOK
PO BOX 201179
AUSTIN TX, 78729
Fax To: (512) 335-0527

Received:	03/06/2019	Sampling Date:	03/05/2019
Reported:	03/11/2019	Sampling Type:	Soil
Project Name:	EOG SCOUT FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Jodi Henson
Project Location:	EOG Y - ARTESIA NM		

Sample ID: RSL - 13 / 1' - 2' (H900921-50)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1020**	16.0	03/08/2019	ND	400	100	400	3.92	QM-07

Sample ID: RSL - 13 / 2' - 3' (H900921-51)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**2920**	16.0	03/08/2019	ND	400	100	400	3.92	

Sample ID: RSL - 13 / 3' - 4' (H900921-52)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**4920**	16.0	03/08/2019	ND	400	100	400	3.92	

Sample ID: RSL - 14 / 0' - 1' (H900921-53)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**512**	16.0	03/08/2019	ND	400	100	400	3.92	

Sample ID: RSL - 14 / 1' - 2' (H900921-54)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1580**	16.0	03/08/2019	ND	400	100	400	3.92	

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Reported:	03/11/2019	Sampling Type:	Soil
Project Name:	EOG SCOUT FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Jodi Henson
Project Location:	EOG Y - ARTESIA NM		

Sample ID: RSL - 14 / 2' - 3' (H900921-55)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1780**	16.0	03/08/2019	ND	400	100	400	3.92	

Sample ID: RSL - 14 / 3' - 4' (H900921-56)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**2600**	16.0	03/08/2019	ND	400	100	400	3.92	

Sample ID: RSL - 15 / 0' - 1' (H900921-57)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	03/08/2019	ND	400	100	400	3.92	

Sample ID: RSL - 15 / 1' - 2' (H900921-58)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**272**	16.0	03/09/2019	ND	400	100	400	3.92	

Sample ID: RSL - 15 / 2' - 3' (H900921-59)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**880**	16.0	03/09/2019	ND	400	100	400	3.92	

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Reported:	03/11/2019	Sampling Type:	Soil
Project Name:	EOG SCOUT FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Jodi Henson
Project Location:	EOG Y - ARTESIA NM		

Sample ID: RSL - 15 / 3' - 4' (H900921-60)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**432**	16.0	03/09/2019	ND	400	100	400	3.92	

Sample ID: RDS - 1 / 0' - 1' (H900921-61)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	03/09/2019	ND	400	100	400	3.92	

Sample ID: RDS - 1 / 1' - 2' (H900921-62)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	03/09/2019	ND	400	100	400	3.92	

Sample ID: RDS - 1 / 2' - 3' (H900921-63)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	03/09/2019	ND	400	100	400	3.92	

Sample ID: RDS - 1 / 3' - 4' (H900921-64)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	03/09/2019	ND	400	100	400	3.92	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
MAX COOK
PO BOX 201179
AUSTIN TX, 78729
Fax To: (512) 335-0527

Received:	03/06/2019	Sampling Date:	03/05/2019
Reported:	03/11/2019	Sampling Type:	Soil
Project Name:	EOG SCOUT FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Jodi Henson
Project Location:	EOG Y - ARTESIA NM		

Sample ID: RDS - 2 / 0' - 1' (H900921-65)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**928**	16.0	03/09/2019	ND	400	100	400	3.92	

Sample ID: RDS - 2 / 1' - 2' (H900921-66)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**784**	16.0	03/09/2019	ND	400	100	400	3.92	

Sample ID: RDS - 2 / 2' - 3' (H900921-67)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1070**	16.0	03/09/2019	ND	400	100	400	3.92	

Sample ID: RDS - 2 / 3' - 4' (H900921-68)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1150**	16.0	03/09/2019	ND	400	100	400	3.92	

Sample ID: RDS - 3 / 0' - 1' (H900921-69)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**2320**	16.0	03/09/2019	ND	400	100	400	3.92	

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CARDINAL Laboratories

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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
MAX COOK
PO BOX 201179
AUSTIN TX, 78729
Fax To: (512) 335-0527

Received:	03/06/2019	Sampling Date:	03/05/2019
Reported:	03/11/2019	Sampling Type:	Soil
Project Name:	EOG SCOUT FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Jodi Henson
Project Location:	EOG Y - ARTESIA NM		

Sample ID: RDS - 3 / 1' - 2' (H900921-70)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1380**	16.0	03/11/2019	ND	416	104	400	3.77	

Sample ID: RDS - 3 / 2' - 3' (H900921-71)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1630**	16.0	03/11/2019	ND	416	104	400	3.77	

Sample ID: RDS - 3 / 3' - 4' (H900921-72)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1260**	16.0	03/11/2019	ND	416	104	400	3.77	

Sample ID: RDS - 4 / 0' - 1' (H900921-73)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**240**	16.0	03/11/2019	ND	416	104	400	3.77	

Sample ID: RDS - 4 / 1' - 2' (H900921-74)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**752**	16.0	03/11/2019	ND	416	104	400	3.77	

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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
MAX COOK
PO BOX 201179
AUSTIN TX, 78729
Fax To: (512) 335-0527

Received:	03/06/2019	Sampling Date:	03/05/2019
Reported:	03/11/2019	Sampling Type:	Soil
Project Name:	EOG SCOUT FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Jodi Henson
Project Location:	EOG Y - ARTESIA NM		

Sample ID: RDS - 4 / 2' - 3' (H900921-75)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**816**	16.0	03/11/2019	ND	416	104	400	3.77	

Sample ID: RDS - 4 / 3' - 4' (H900921-76)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**480**	16.0	03/11/2019	ND	416	104	400	3.77	

Sample ID: RDS - 5 / 0' - 1' (H900921-77)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	03/11/2019	ND	416	104	400	3.77	

Sample ID: RDS - 5 / 1' - 2' (H900921-78)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	03/11/2019	ND	416	104	400	3.77	

Sample ID: RDS - 5 / 2' - 3' (H900921-79)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	03/11/2019	ND	416	104	400	3.77	

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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
MAX COOK
PO BOX 201179
AUSTIN TX, 78729
Fax To: (512) 335-0527

Received:	03/06/2019	Sampling Date:	03/05/2019
Reported:	03/11/2019	Sampling Type:	Soil
Project Name:	EOG SCOUT FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Jodi Henson
Project Location:	EOG Y - ARTESIA NM		

Sample ID: RDS - 5 / 3' - 4' (H900921-80)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	03/11/2019	ND	416	104	400	3.77	

Sample ID: RDS - 6 / 0' - 1' (H900921-81)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	03/11/2019	ND	416	104	400	3.77	

Sample ID: RDS - 6 / 1' - 2' (H900921-82)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	03/11/2019	ND	416	104	400	3.77	

Sample ID: RDS - 6 / 2' - 3' (H900921-83)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**272**	16.0	03/11/2019	ND	416	104	400	3.77	

Sample ID: RDS - 6 / 3' - 4' (H900921-84)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**640**	16.0	03/11/2019	ND	416	104	400	3.77	

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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
MAX COOK
PO BOX 201179
AUSTIN TX, 78729
Fax To: (512) 335-0527

Received:	03/06/2019	Sampling Date:	03/05/2019
Reported:	03/11/2019	Sampling Type:	Soil
Project Name:	EOG SCOUT FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Jodi Henson
Project Location:	EOG Y - ARTESIA NM		

Sample ID: RDS - 7 / 0' - 1' (H900921-85)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	03/11/2019	ND	416	104	400	3.77	

Sample ID: RDS - 7 / 1' - 2' (H900921-86)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**288**	16.0	03/11/2019	ND	416	104	400	3.77	

Sample ID: RDS - 7 / 2' - 3' (H900921-87)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**416**	16.0	03/11/2019	ND	416	104	400	3.77	

Sample ID: RDS - 7 / 3' - 4' (H900921-88)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**592**	16.0	03/11/2019	ND	416	104	400	3.77	

Sample ID: RDS - 8 / 0' - 1' (H900921-89)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**144**	16.0	03/11/2019	ND	416	104	400	3.77	

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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
MAX COOK
PO BOX 201179
AUSTIN TX, 78729
Fax To: (512) 335-0527

Received:	03/06/2019	Sampling Date:	03/05/2019
Reported:	03/11/2019	Sampling Type:	Soil
Project Name:	EOG SCOUT FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Jodi Henson
Project Location:	EOG Y - ARTESIA NM		

Sample ID: RDS - 8 / 1' - 2' (H900921-90)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**128**	16.0	03/11/2019	ND	400	100	400	0.00	QM-07

Sample ID: RDS - 8 / 2' - 3' (H900921-91)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**352**	16.0	03/11/2019	ND	400	100	400	0.00	

Sample ID: RDS - 8 / 3' - 4' (H900921-92)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**480**	16.0	03/11/2019	ND	400	100	400	0.00	

Sample ID: RDS - 9 / 0' - 1' (H900921-93)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**560**	16.0	03/11/2019	ND	400	100	400	0.00	

Sample ID: RDS - 9 / 1' - 2' (H900921-94)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**576**	16.0	03/11/2019	ND	400	100	400	0.00	

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CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.
MAX COOK
PO BOX 201179
AUSTIN TX, 78729
Fax To: (512) 335-0527

Received:	03/06/2019	Sampling Date:	03/05/2019
Reported:	03/11/2019	Sampling Type:	Soil
Project Name:	EOG SCOUT FEDERAL #6	Sampling Condition:	Cool & Intact
Project Number:	5375	Sample Received By:	Jodi Henson
Project Location:	EOG Y - ARTESIA NM		

Sample ID: RDS - 9 / 2' - 3' (H900921-95)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**464**	16.0	03/11/2019	ND	400	100	400	0.00	

Sample ID: RDS - 9 / 3' - 4' (H900921-96)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**560**	16.0	03/11/2019	ND	400	100	400	0.00	

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Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

1 of 10

Company Name: RANGER ENVIRONMENTAL SERVICES, INC.	**BILL TO**
Project Manager: MAX COOK	P.O. #:
Address: PO BOX 201179	Company: EOG-Y RESOURCES
City: AUSTIN State: TX Zip: 78720	Attn: BOB ASHER
Phone #: 512-335-1785 Fax #: 512-335-0527	Address: 104 S. 4TH ST
Project #: 5375 Project Owner:	City: ARTESIA
Project Name: EOG SCOUT FEDERAL #6	State: NM Zip: 88210
Project Location: ARTESIA NM	Phone #: 575-748-1471
Sampler Name: W. KIERDORF	Fax #:

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	ANALYSIS REQUEST: CHLORIDE
H100921															
1	RSL-1/0'-1'	G	1			X					X		3/5/19	1051	X
2	RSL-1/1'-2'	G	1			X					X		3/5/19	1052	X
3	RSL-1/2'-3'	G	1			X					X		3/5/19	1054	X
4	RSL-1/3'-4'	G	1			X					X		3/5/19	1056	X
5	RSL-2/0'-1'	G	1			X					X		3/5/19	1101	X
6	RSL-2/1'-2'	G	1			X					X		3/5/19	1103	X
7	RSL-2/2'-3'	G	1			X					X		3/5/19	1105	X
8	RSL-2/3'-4'	G	1			X					X		3/5/19	1107	X
9	RSL-3/0'-1'	G	1			X					X		3/5/19	1109	X
10	RSL-3/1'-2'	G	1			X					X		3/5/19	1110	X

Relinquished By:	Date: 3/6/19 Time:	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: 3/6/19 Time: 11:30	Received By: Jodi Henson	Fax Result: ☐ Yes ☐ No Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other: 1.3°C/#94	Sample Condition Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	CHECKED BY: (Initials)	REMARKS: TEMP BLANKS IN COOLERS - 2 COOLERS PLEASE EMAIL REPORT TO MAX@RANGERENV.COM & WILL@RANGERENV.COM

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

2 of 10

Company Name: RANGER ENVIRONMENTAL SERVICES, INC.	**BILL TO**		
Project Manager: MAX COOK	P.O. #:		
Address: PO BOX 201179	Company: EOG-Y RESOURCES		
City: AUSTIN State: TX Zip: 78720	Attn: BOB ASHER		
Phone #: 512-335-1785 Fax #: 512-335-0527	Address: 104 S. 4TH STREET		
Project #: 5375 Project Owner:	City: ARTESIA		
Project Name: SCOUT FEDERAL #6	State: NM Zip: 88210		
Project Location: ARTESIA NM	Phone #: 575-748-1471		
Sampler Name: W. KIERNOOF	Fax #:		

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	ANALYSIS REQUEST: CHLORIDE
H900921															
11	RSL-3/2'-3'	G	1			X					X		3/5/19	1118	X
12	RSL-3/3'-4'	G	1			X					X		3/5/19	1114	X
13	RSL-4/0'-1'	G	1			X					X		3/5/19	1128	X
14	RSL-4/1'-2'	G	1			X					X		3/5/19	1130	X
15	RSL-4/2'-3'	G	1			X					X		3/5/19	1132	X
16	RSL-4/3'-4'	G	1			X					X		3/5/19	1134	X
17	RSL-5/0'-1'	G	1			X					X		3/5/19	1527	X
18	RSL-5/1'-2'	G	1			X					X		3/5/19	1529	X
19	RSL-5/2'-3'	G	1			X					X		3/5/19	1531	X
20	RSL-5/3'-4'	G	1			X					X		3/5/19	1533	X

Relinquished By:	Date: 3/5/19	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
	Time:		Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:	Date: 3/6/19	Received By: Jodi Henson	REMARKS:
	Time: 11:30		
Delivered By: (Circle One) Sampler - UPS - Bus - Other: 1.4°C / #97	Sample Condition Cool: ☐ Yes ☐ No Intact: ☑ Yes ☐ No	CHECKED BY: (Initials)	

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

3 of 10

Company Name: RANGER ENVIRONMENTAL SERVICES INC.	**BILL TO**		ANALYSIS REQUEST
Project Manager: MAX COOK	P.O. #:		
Address: PO BO 201179	Company: EOG-Y RESOURCES		
City: AUSTIN State: TX Zip: 78720	Attn: BOB ASHER		
Phone #: 512-335-1785 Fax #: 512-335-0527	Address: 104 S. 4TH ST		
Project #: 5375 Project Owner:	City: ARTESIA		
Project Name: SCOUT FEDERAL #6	State: NM Zip: 88210		
Project Location: ARTESIA NM	Phone #: 575-748-1471		
Sampler Name: M. KIERDORF	Fax #:		

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	CHLORIDE										
H900921																									
21	~~SS6~~ RSL-6/0'-1'	G	1			X					X		3/5/19	1548	X										
22	RSL-6/1'-2'	G	1			X					X		3/5/19	1550	X										
23	RSL-6/2'-3'	G	1			X					X		3/5/19	1552	X										
24	RSL-6/3'-4'	G	1			X					X		3/5/19	1555	X										
25	RSL-7/0'-1'	G	1			X					X		3/5/19	1538	X										
26	RSL-7/1'-2'	G	1			X					X		3/5/19	1540	X										
27	RSL-7/2'-3'	G	1			X					X		3/5/19	1542	X										
28	RSL-7/3'-4'	G	1			X					X		3/5/19	1544	X										
29	RSL-8/0'-1'	G	1			X					X		3/5/19	1559	X										
30	RSL-8/1'-2'	G	1			X					X		3/5/19	1602	X										

Relinquished By:	Date: 3/6/19	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
	Time:		Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:	Date: 3/6/19	Received By: Jodi Henson	REMARKS:
	Time: 11:30		
Delivered By: (Circle One) Sampler - UPS - Bus - Other: 1.4°C / #97	Sample Condition Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	CHECKED BY: (Initials)	

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

4 of 10

Company Name: RANGER ENVIRONMENTAL SERVICES, INC	**BILL TO**		
Project Manager: MAX COOK	P.O. #:		
Address: PO BOX 201179	Company: EOG-Y RESOURCES		
City: AUSTIN State: TX Zip: 78720	Attn: BOB ASHER		
Phone #: 512-335-1785 Fax #: 512-335-0527	Address: 104 S 4TH ST		
Project #: 5375 Project Owner:	City: ARTESIA		
Project Name: SCAN FEDERAL #6	State: NM Zip: 88210		
Project Location: ARTESIA NM	Phone #: 575-748-1471		
Sampler Name: W. KERDORF	Fax #:		

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: CHLORIDE
H900921															
31	RSL-8/2'-3'	G	1			X					X		3/5/19	1604	X
32	RSL-8/3'-4'	G	1			X					X		3/5/19	1606	X
33	RSL-9/0'-1'	G	1			X					X		3/5/19	1145	X
34	RSL-9/1'-2'	G	1			X					X		3/5/19	1149	X
35	RSL-9/2'-3'	G	1			X					X		3/5/19	1150	X
36	RSL-9/3'-4'	G	1			X					X		3/5/19	1152	X
37	RSL-10/0'-1'	G	1			X					X		3/5/19	1159	X
38	RSL-10/1'-2'	G	1			X					X		3/5/19	1202	X
39	RSL-10/2'-3'	G	1			X					X		3/5/19	1210	X
40	RSL-10/3'-4'	G	1			X					X		3/5/19	1212	X

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 3/5/19	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
	Time:		Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:	Date: 3/6/19	Received By: Jodi Henson	REMARKS:
	Time: 11:30		
Delivered By: (Circle One) Sampler - UPS - Bus - Other: 1.4°C / #97	Sample Condition Cool: Yes / No Intact: Yes / No	CHECKED BY: (Initials)	

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

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Company Name: RANGER ENVIRONMENTAL SERVICES, INC.		**BILL TO**	
Project Manager: MAX COOK		P.O. #:	
Address: PO BOX 201179		Company: EOG Y RESOURCES	
City: ARTESIA NM	State: TX Zip: 78720	Attn: BOB ASHER	
Phone #: 512-335-1735	Fax #: 512-335-0527	Address: 104 S 4TH ST	
Project #: 5375	Project Owner:	City: ARTESIA	
Project Name: SCOUT FEDERAL #6		State: NM Zip: 88210	
Project Location: ARTESIA NM		Phone #: 575-748-1471	
Sampler Name: W. KIERDORF		Fax #:	

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	CHLORIDE
H900921															
41	RSL-11/0'-1'	G	1			X					X		3/5/19	1230	X
42	RSL-11/1'-2'	G	1			X					X		3/5/19	1232	X
43	RSL-11/2'-3'	G	1			X					X		3/5/19	1234	X
44	RSL-11/3'-4'	G	1			X					X		3/5/19	1237	X
45	RSL-12/0'-1'	G	1			X					X		3/5/19	1218	X
46	RSL-12/1'-2'	G	1			X					X		3/5/19	1221	X
47	RSL-12/2'-3'	G	1			X					X		3/5/19	1224	X
48	RSL-12/3'-4'	G	1			X					X		3/5/19	1226	X
49	RSL-13/0'-1'	G	1			X					X		3/5/19	1358	X
50	RSL-13/1'-2'	G	1			X					X		3/5/19	1400	X

Relinquished By:	Date: 3/6/19 Time:	Received By:	
Relinquished By:	Date: 3/6/19 Time: 11:30	Received By: Jodi Henson	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: 1.4°C / #47	Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No	CHECKED BY: (Initials)	

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:
REMARKS:

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

6 of 10

Company Name: RANGER ENVIRONMENTAL SERVICES, INC.	**BILL TO**		ANALYSIS REQUEST
Project Manager: MAX COOK	P.O. #:		
Address: PO BO 201179	Company: EOG-Y RESOURCES		
City: AUSTIN State: TX Zip: 78720	Attn: BOB ASHER		
Phone #: 512-335-1785 Fax #: 512-335-0527	Address: 104 S 4TH ST		
Project #: 5375 Project Owner:	City: ARTESIA		
Project Name: SCOTT FEDERAL #6	State: NM Zip: 88210		
Project Location: ARTESIA NM	Phone #: 575-748-1471		
Sampler Name: W. KIERNAN	Fax #:		

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING												
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	CHLORIDE										
H900921																									
51	RSL-13/2'-3'	G	1			X					X		3/5/19	1402	X										
52	RSL-13/3'-4'	G	1			X					X		3/5/19	1405	X										
53	RSL-14/0'-1'	G	1			X					X		3/5/19	1243	X										
54	RSL-14/1'-2'	G	1			X					X		3/5/19	1245	X										
55	RSL-14/2'-3'	G	1			X					X		3/5/19	1248	X										
56	RSL-14/3'-4'	G	1			X					X		3/5/19	1250	X										
57	RSL-15/0'-1'	G	1			X					X		3/5/19	1332	X										
58	RSL-15/1'-2'	G	1			X					X		3/5/19	1334	X										
59	RSL-15/2'-3'	G	1			X					X		3/5/19	1337	X										
60	RSL-15/3'-4'	G	1			X					X		3/5/19	1340	X										

Relinquished By:	Date: 3/6/19 Time:	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: 3/6/19 Time: 11:39	Received By: Jodi Henson	Fax Result: ☐ Yes ☐ No Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other: 1.4°C / #97	Sample Condition Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	CHECKED BY: (Initials)	REMARKS:

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
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Company Name: RANGER ENVIRONMENTAL SERVICES, INC.	**BILL TO**		ANALYSIS REQUEST
Project Manager: MAX COON	P.O. #:		
Address: PO BOX 201179	Company: EOG RESOURCES		
City: AUSTIN State: TX Zip: 78720	Attn: BOB ASHER		
Phone #: 512-335-1785 Fax #: 512-335-0527	Address: 1045 4TH ST		
Project #: 5375 Project Owner:	City: ARTESIA		
Project Name: SCOUT FEDERAL #6	State: NM Zip: 88210		
Project Location: ARTESIA NM	Phone #: 575-748-1471		
Sampler Name: W. KIERDORF	Fax #:		

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	CHLORIDE
H900921															
61	~~RDS~~ RDS-1/0'-1'	G	1			X					X		3/5/19	1040	X
62	RDS-1/1'-2'	G	1			X					X		3/5/19	1042	X
63	RDS-1/2'-3'	G	1			X					X		3/5/19	1044	X
64	RDS-1/3'-4'	G	1			X					X		3/5/19	1046	X
65	RDS-2/0'-1'	G	1			X					X		3/5/19	1118	X
66	RDS-2/1'-2'	G	1			X					X		3/5/19	1119	X
67	RDS-2/2'-3'	G	1			X					X		3/5/19	1121	X
68	RDS-3/3'-4'	G	1			X					X		3/5/19	1122	X
69	RDS-3/0'-1'	G	1			X					X		3/5/19	1452	X
70	RDS-3/1'-2'	G	1			X					X		3/5/19	1455	X

Relinquished By:	Date: 3/5/19	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
	Time:		Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:	Date: 3/6/19	Received By: Jodi Henson	REMARKS:
	Time: 11:30		
Delivered By: (Circle One) Sampler - UPS - Bus - Other: 1.4° #97	Sample Condition Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	CHECKED BY: (Initials)	

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

8 of 10

Company Name: RANGER ENVIRONMENTAL SERVICES, INC.	**BILL TO**		
Project Manager: MAX COOK	P.O. #:		
Address: PO BOX 201179	Company: EOG-Y RESOURCES		
City: AUSTIN State: TX Zip: 78720	Attn: DOC ASHER		
Phone #: 512-335-1785 Fax #: 512-335-0567	Address: 104 S 4TH ST		
Project #: 5375 Project Owner:	City: ARTESIA		
Project Name: SCOT FEDERAL #6	State: NM Zip: 88210		
Project Location: ARTESIA NM	Phone #: 575-748-1471		
Sampler Name: W. KIERDORF	Fax #:		

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	ANALYSIS REQUEST: CHLORIDE
H900921															
71	ROS-3/2'-3'	G	1			X					X		3/5/19	1500	X
72	ROS-3/3'-4'	G	1			X					X		3/5/19	1503	X
73	ROS-4/0'-1'	G	1			X					X		3/5/19	1439	X
74	ROS-4/1'-2'	G	1			X					X		3/5/19	1441	X
75	ROS-4/2'-3'	G	1			X					X		3/5/19	1443	X
76	ROS-4/3'-4'	G	1			X					X		3/5/19	1446	X
77	ROS-5/0'-1'	G	1			X					X		3/5/19	1347	X
78	ROS-5/1'-2'	G	1			X					X		3/5/19	1349	X
79	ROS-5/2'-3'	G	1			X					X		3/5/19	1351	X
80	ROS-5/3'-4'	G	1			X					X		3/5/19	1353	X

Relinquished By:	Date: 3/6/19 Time:	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: 3/6/19 Time: 11:30	Received By: Jodi Henson	Fax Result: ☐ Yes ☐ No Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other: 1.4°C #97	Sample Condition Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	CHECKED BY: (Initials)	REMARKS:

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

9 of 10

Company Name: RANGER ENVIRONMENTAL SERVICES, INC.	**BILL TO**		ANALYSIS REQUEST
Project Manager: MAX COOK	P.O. #:		
Address: PO BOX 201179	Company: EOG-Y RESOURCES		
City: AUSTIN State: TX Zip: 78720	Attn: BOB ASHER		
Phone #: 512-335-1735 Fax #: 512-335-0527	Address: 104 S 4TH ST		
Project #: 5375 Project Owner:	City: ARTESIA		
Project Name: SCOUT FEDERAL #6	State: NM Zip: 88210		
Project Location: ARTESIA NM	Phone #: 575-748-1471		
Sampler Name: W. KIESCHNICK	Fax #:		

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	CHLORIDE
H900921															
81	ROS-6/0'-1'	G	1			X					X		3/5/19	1319	X
82	ROS-6/1'-2'	G	1			X					X		3/5/19	1324	X
83	ROS-6/2'-3'	G	1			X					X		3/5/19	1325	X
84	ROS-6/3'-4'	G	1			X					X		3/5/19	1328	X
85	ROS-7/0'-1'	G	1			X					X		3/5/19	1138	X
86	ROS-7/1'-2'	G	1			X					X		3/5/19	1139	X
87	ROS-7/2'-3'	G	1			X					X		3/5/19	1141	X
88	ROS-7/3'-4'	G	1			X					X		3/5/19	1143	X
89	ROS-8/0'-1'	G	1			X					X		3/5/19	1512	X
90	ROS-8/1'-2'	G	1			X					X		3/5/19	1516	X

Relinquished By:	Date: 3/5/19 Time:	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: 3/6/19 Time: 11:30	Received By: Jodi Henson	Fax Result: ☐ Yes ☐ No Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other: 1.4°C / #97	Sample Condition Cool: ☐ Yes ☐ No Intact: ☑ Yes ☐ No	CHECKED BY: (Initials)	REMARKS:

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

10 of 10

Company Name: RANGER ENVIRONMENTAL SERVICES, INC.	**BILL TO**		
Project Manager: MAX COOK	P.O. #:		
Address: PO BOX 201179	Company: EOG-Y RESOURCES		
City: AUSTIN State: TX Zip: 78720	Attn: BOB ASHER		
Phone #: 512-335-1785 Fax #: 512-335-0527	Address: 104 S 4TH ST		
Project #: 5375 Project Owner:	City: ARTESIA		
Project Name: SCOUT FEDERAL #6	State: NM Zip: 88210		
Project Location: ARTESIA NM	Phone #: 575-748-1471		
Sampler Name: M. KIERORF	Fax #:		

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	CHLORIDE
H900921															
91	ROS-8/2'-3'	G	1			X					X		3/5/19	1520	X
92	ROS-8/3'-4'	G	1			X					X		3/5/19	1522	X
93	ROS-9/0'-1'	G	1			X					X		3/5/19	1624	X
94	ROS-9/1'-2'	G	1			X					X		3/5/19	1627	X
95	ROS-9/2'-3'	G	1			X					X		3/5/19	1630	X
96	ROS-9/3'-4'	G	1			X					X		3/5/19	1633	X

Relinquished By:	Date: 3/6/19	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
	Time:		Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:	Date: 3/6/19	Received By: Jodi Henson	REMARKS:
	Time: 11:30		
Delivered By: (Circle One)	Sample Condition	CHECKED BY:	
Sampler - UPS - Bus - Other: 1.4°C / #97	Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	(Initials)	

+ Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 24, 2018

ROBERT ASHER

EOG Y RESOURCES, INC

105 SOUTH 4TH STREET

ARTESIA, NM 88210

RE: SCOUT EH FEDERAL #1 (ASP 1)

Enclosed are the results of analyses for samples received by the laboratory on 08/20/18 12:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

EOG Y RESOURCES, INC
ROBERT ASHER
105 SOUTH 4TH STREET
ARTESIA NM, 88210
Fax To: (575) 748-4131

Received:	08/20/2018	Sampling Date:	08/16/2018
Reported:	08/24/2018	Sampling Type:	Soil
Project Name:	SCOUT EH FEDERAL #1 (ASP 1)	Sampling Condition:	Cool & Intact
Project Number:	30-015-00155	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO NM		

Sample ID: ASP 1.1 (H802321-01)

BTEX 8021B mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2018	ND	1.85	92.6	2.00	3.01	
Toluene*	<0.050	0.050	08/21/2018	ND	1.74	87.0	2.00	2.88	
Ethylbenzene*	<0.050	0.050	08/21/2018	ND	1.72	86.1	2.00	3.27	
Total Xylenes*	<0.150	0.150	08/21/2018	ND	5.21	86.8	6.00	3.16	
Total BTEX	<0.300	0.300	08/21/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.9 %* *69.8-142*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**2560**	16.0	08/21/2018	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/21/2018	ND	205	103	200	0.866	
DRO >C10-C28*	<10.0	10.0	08/21/2018	ND	208	104	200	3.67	
EXT DRO >C28-C36	<10.0	10.0	08/21/2018	ND					

Surrogate: 1-Chlorooctane *97.4 %* *41-142*

Surrogate: 1-Chlorooctadecane *88.5 %* *37.6-147*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

EOG Y RESOURCES, INC
ROBERT ASHER
105 SOUTH 4TH STREET
ARTESIA NM, 88210
Fax To: (575) 748-4131

Received:	08/20/2018	Sampling Date:	08/16/2018
Reported:	08/24/2018	Sampling Type:	Soil
Project Name:	SCOUT EH FEDERAL #1 (ASP 1)	Sampling Condition:	Cool & Intact
Project Number:	30-015-00155	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO NM		

Sample ID: ASP 1.2 (H802321-02)

BTEX 8021B mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2018	ND	1.85	92.6	2.00	3.01	
Toluene*	<0.050	0.050	08/21/2018	ND	1.74	87.0	2.00	2.88	
Ethylbenzene*	<0.050	0.050	08/21/2018	ND	1.72	86.1	2.00	3.27	
Total Xylenes*	<0.150	0.150	08/21/2018	ND	5.21	86.8	6.00	3.16	
Total BTEX	<0.300	0.300	08/21/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.1 %* *69.8-142*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1920**	16.0	08/21/2018	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/21/2018	ND	205	103	200	0.866	
DRO >C10-C28*	<10.0	10.0	08/21/2018	ND	208	104	200	3.67	
EXT DRO >C28-C36	<10.0	10.0	08/21/2018	ND					

Surrogate: 1-Chlorooctane *97.0 %* *41-142*

Surrogate: 1-Chlorooctadecane *89.7 %* *37.6-147*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

EOG Y RESOURCES, INC
ROBERT ASHER
105 SOUTH 4TH STREET
ARTESIA NM, 88210
Fax To: (575) 748-4131

Received:	08/20/2018	Sampling Date:	08/16/2018
Reported:	08/24/2018	Sampling Type:	Soil
Project Name:	SCOUT EH FEDERAL #1 (ASP 1)	Sampling Condition:	Cool & Intact
Project Number:	30-015-00155	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO NM		

Sample ID: ASP 1.3 (H802321-03)

BTEX 8021B mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2018	ND	1.85	92.6	2.00	3.01	
Toluene*	<0.050	0.050	08/21/2018	ND	1.74	87.0	2.00	2.88	
Ethylbenzene*	<0.050	0.050	08/21/2018	ND	1.72	86.1	2.00	3.27	
Total Xylenes*	<0.150	0.150	08/21/2018	ND	5.21	86.8	6.00	3.16	
Total BTEX	<0.300	0.300	08/21/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.2 %* *69.8-142*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**2000**	16.0	08/21/2018	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/21/2018	ND	205	103	200	0.866	
DRO >C10-C28*	<10.0	10.0	08/21/2018	ND	208	104	200	3.67	
EXT DRO >C28-C36	<10.0	10.0	08/21/2018	ND					

Surrogate: 1-Chlorooctane *99.3 %* *41-142*

Surrogate: 1-Chlorooctadecane *96.3 %* *37.6-147*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

EOG Y RESOURCES, INC
ROBERT ASHER
105 SOUTH 4TH STREET
ARTESIA NM, 88210
Fax To: (575) 748-4131

Received:	08/20/2018	Sampling Date:	08/16/2018
Reported:	08/24/2018	Sampling Type:	Soil
Project Name:	SCOUT EH FEDERAL #1 (ASP 1)	Sampling Condition:	Cool & Intact
Project Number:	30-015-00155	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO NM		

Sample ID: ASP 1.4 (H802321-04)

BTEX 8021B mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2018	ND	1.85	92.6	2.00	3.01	
Toluene*	<0.050	0.050	08/21/2018	ND	1.74	87.0	2.00	2.88	
Ethylbenzene*	<0.050	0.050	08/21/2018	ND	1.72	86.1	2.00	3.27	
Total Xylenes*	<0.150	0.150	08/21/2018	ND	5.21	86.8	6.00	3.16	
Total BTEX	<0.300	0.300	08/21/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.3 %* *69.8-142*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1150**	16.0	08/21/2018	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/21/2018	ND	205	103	200	0.866	
DRO >C10-C28*	<10.0	10.0	08/21/2018	ND	208	104	200	3.67	
EXT DRO >C28-C36	<10.0	10.0	08/21/2018	ND					

Surrogate: 1-Chlorooctane *95.7 %* *41-142*

Surrogate: 1-Chlorooctadecane *89.1 %* *37.6-147*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

EOG Y RESOURCES, INC
ROBERT ASHER
105 SOUTH 4TH STREET
ARTESIA NM, 88210
Fax To: (575) 748-4131

Received:	08/20/2018	Sampling Date:	08/16/2018
Reported:	08/24/2018	Sampling Type:	Soil
Project Name:	SCOUT EH FEDERAL #1 (ASP 1)	Sampling Condition:	Cool & Intact
Project Number:	30-015-00155	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO NM		

Sample ID: ASP 1.5 (H802321-05)

BTEX 8021B mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2018	ND	1.85	92.6	2.00	3.01	
Toluene*	<0.050	0.050	08/21/2018	ND	1.74	87.0	2.00	2.88	
Ethylbenzene*	<0.050	0.050	08/21/2018	ND	1.72	86.1	2.00	3.27	
Total Xylenes*	<0.150	0.150	08/21/2018	ND	5.21	86.8	6.00	3.16	
Total BTEX	<0.300	0.300	08/21/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.7 %* *69.8-142*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**512**	16.0	08/21/2018	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/21/2018	ND	205	103	200	0.866	
DRO >C10-C28*	<10.0	10.0	08/21/2018	ND	208	104	200	3.67	
EXT DRO >C28-C36	<10.0	10.0	08/21/2018	ND					

Surrogate: 1-Chlorooctane *89.9 %* *41-142*

Surrogate: 1-Chlorooctadecane *84.9 %* *37.6-147*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

EOG Y RESOURCES, INC
ROBERT ASHER
105 SOUTH 4TH STREET
ARTESIA NM, 88210
Fax To: (575) 748-4131

Received:	08/20/2018	Sampling Date:	08/16/2018
Reported:	08/24/2018	Sampling Type:	Soil
Project Name:	SCOUT EH FEDERAL #1 (ASP 1)	Sampling Condition:	Cool & Intact
Project Number:	30-015-00155	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO NM		

Sample ID: ASP 1.6 (H802321-06)

BTEX 8021B mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2018	ND	1.85	92.6	2.00	3.01	
Toluene*	<0.050	0.050	08/21/2018	ND	1.74	87.0	2.00	2.88	
Ethylbenzene*	<0.050	0.050	08/21/2018	ND	1.72	86.1	2.00	3.27	
Total Xylenes*	<0.150	0.150	08/21/2018	ND	5.21	86.8	6.00	3.16	
Total BTEX	<0.300	0.300	08/21/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.9 %* *69.8-142*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**704**	16.0	08/21/2018	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/21/2018	ND	205	103	200	0.866	
DRO >C10-C28*	<10.0	10.0	08/21/2018	ND	208	104	200	3.67	
EXT DRO >C28-C36	<10.0	10.0	08/21/2018	ND					

Surrogate: 1-Chlorooctane *94.2 %* *41-142*

Surrogate: 1-Chlorooctadecane *87.4 %* *37.6-147*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

ARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476

Project Manager: Robert Asher
Company Name: EOG Resources, Inc.
Company Address: 104 South 4th Street
City/State/Zip: Artesia, NM 88210
Telephone No: 575-748-4171 Fax No:
Sampler Signature:
e-mail: robert_asher@eogresources.com

Project Name: Scout EH Federal #1 (ASP 1)
Project #: 30-015-00155
Project Loc: Eddy County
PO #: 205632
Report Format: [x] Standard [ ] TRRP [ ] NPDES

(lab use only)
ORDER #: H802321

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge	GW = Groundwater S=Soil/Solid	NP=Non-Potable Specify Other	Analyze For: TPH: 8015M Extended	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	RUSH TAT (Pre-Schedule) 24 hrs	Standard TAT
1	ASP 1.1	1'	1'	8/16/2018	8:03 AM		1							X		S			X			X					X				X
2	ASP 1.2	2'	2'	8/16/2018	8:04 AM		1							X		S			X			X					X				X
3	ASP 1.3	3'	3'	8/16/2018	8:05 AM		1							X		S			X			X					X				X
4	ASP 1.4	4'	4'	8/16/2018	8:07 AM		1							X		S			X			X					X				X
5	ASP 1.5	5'	5'	8/16/2018	8:09 AM		1							X		S			X			X					X				X
6	ASP 1.6	6'	6'	8/16/2018	8:11 AM		1							X		S			X			X					X				X

Special Instructions: TPH Extended Please. ALL results in mg/kg. Thank you.

Relinquished by:	Date	Time	Received by:	Date	Time
	08/20/18	7:53 AM		8-20-18	12:00
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT:	Date	Time

Laboratory Comments:

Sample Containers Intact?	(Y)	N
VOCs Free of Headspace?	(Y)	N
Labels on container(s)	(Y)	N
Custody seals on container(s)	(Y)	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered	(Y)	N
by Sampler/Client Rep. ?	(Y)	N

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt: 4.1°C/4.0°C #T5

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 24, 2018

ROBERT ASHER

EOG Y RESOURCES, INC

105 SOUTH 4TH STREET

ARTESIA, NM 88210

RE: SCOUT EH FEDERAL #1 (ASP 2)

Enclosed are the results of analyses for samples received by the laboratory on 08/20/18 12:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

EOG Y RESOURCES, INC
ROBERT ASHER
105 SOUTH 4TH STREET
ARTESIA NM, 88210
Fax To: (575) 748-4131

Received:	08/20/2018	Sampling Date:	08/16/2018
Reported:	08/24/2018	Sampling Type:	Soil
Project Name:	SCOUT EH FEDERAL #1 (ASP 2)	Sampling Condition:	Cool & Intact
Project Number:	30-015-00155	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO NM		

Sample ID: ASP 2.1 (H802320-01)

BTEX 8021B mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2018	ND	1.85	92.6	2.00	3.01	
Toluene*	<0.050	0.050	08/21/2018	ND	1.74	87.0	2.00	2.88	
Ethylbenzene*	<0.050	0.050	08/21/2018	ND	1.72	86.1	2.00	3.27	
Total Xylenes*	<0.150	0.150	08/21/2018	ND	5.21	86.8	6.00	3.16	
Total BTEX	<0.300	0.300	08/21/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID *91.5 %* *69.8-142*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	08/21/2018	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/21/2018	ND	205	103	200	0.866	
DRO >C10-C28*	<10.0	10.0	08/21/2018	ND	208	104	200	3.67	
EXT DRO >C28-C36	<10.0	10.0	08/21/2018	ND					

Surrogate: 1-Chlorooctane *92.6 %* *41-142*

Surrogate: 1-Chlorooctadecane *86.6 %* *37.6-147*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

EOG Y RESOURCES, INC
ROBERT ASHER
105 SOUTH 4TH STREET
ARTESIA NM, 88210
Fax To: (575) 748-4131

Received:	08/20/2018	Sampling Date:	08/16/2018
Reported:	08/24/2018	Sampling Type:	Soil
Project Name:	SCOUT EH FEDERAL #1 (ASP 2)	Sampling Condition:	Cool & Intact
Project Number:	30-015-00155	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO NM		

Sample ID: ASP 2.2 (H802320-02)

BTEX 8021B mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2018	ND	1.85	92.6	2.00	3.01	
Toluene*	<0.050	0.050	08/21/2018	ND	1.74	87.0	2.00	2.88	
Ethylbenzene*	<0.050	0.050	08/21/2018	ND	1.72	86.1	2.00	3.27	
Total Xylenes*	<0.150	0.150	08/21/2018	ND	5.21	86.8	6.00	3.16	
Total BTEX	<0.300	0.300	08/21/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID *93.9 %* *69.8-142*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	08/21/2018	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/21/2018	ND	205	103	200	0.866	
DRO >C10-C28*	<10.0	10.0	08/21/2018	ND	208	104	200	3.67	
EXT DRO >C28-C36	<10.0	10.0	08/21/2018	ND					

Surrogate: 1-Chlorooctane *98.0 %* *41-142*

Surrogate: 1-Chlorooctadecane *90.5 %* *37.6-147*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

EOG Y RESOURCES, INC
ROBERT ASHER
105 SOUTH 4TH STREET
ARTESIA NM, 88210
Fax To: (575) 748-4131

Received:	08/20/2018	Sampling Date:	08/16/2018
Reported:	08/24/2018	Sampling Type:	Soil
Project Name:	SCOUT EH FEDERAL #1 (ASP 2)	Sampling Condition:	Cool & Intact
Project Number:	30-015-00155	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO NM		

Sample ID: ASP 2.3 (H802320-03)

BTEX 8021B mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2018	ND	1.85	92.6	2.00	3.01	
Toluene*	<0.050	0.050	08/21/2018	ND	1.74	87.0	2.00	2.88	
Ethylbenzene*	<0.050	0.050	08/21/2018	ND	1.72	86.1	2.00	3.27	
Total Xylenes*	<0.150	0.150	08/21/2018	ND	5.21	86.8	6.00	3.16	
Total BTEX	<0.300	0.300	08/21/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.2 %* *69.8-142*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/21/2018	ND	400	100	400	0.00	QM-07

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/21/2018	ND	205	103	200	0.866	
DRO >C10-C28*	<10.0	10.0	08/21/2018	ND	208	104	200	3.67	
EXT DRO >C28-C36	<10.0	10.0	08/21/2018	ND					

Surrogate: 1-Chlorooctane *85.6 %* *41-142*

Surrogate: 1-Chlorooctadecane *78.6 %* *37.6-147*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

EOG Y RESOURCES, INC
ROBERT ASHER
105 SOUTH 4TH STREET
ARTESIA NM, 88210
Fax To: (575) 748-4131

Received:	08/20/2018	Sampling Date:	08/16/2018
Reported:	08/24/2018	Sampling Type:	Soil
Project Name:	SCOUT EH FEDERAL #1 (ASP 2)	Sampling Condition:	Cool & Intact
Project Number:	30-015-00155	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO NM		

Sample ID: ASP 2.4 (H802320-04)

BTEX 8021B mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2018	ND	1.85	92.6	2.00	3.01	
Toluene*	<0.050	0.050	08/21/2018	ND	1.74	87.0	2.00	2.88	
Ethylbenzene*	<0.050	0.050	08/21/2018	ND	1.72	86.1	2.00	3.27	
Total Xylenes*	<0.150	0.150	08/21/2018	ND	5.21	86.8	6.00	3.16	
Total BTEX	<0.300	0.300	08/21/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.1 %* *69.8-142*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	08/21/2018	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/21/2018	ND	205	103	200	0.866	
DRO >C10-C28*	<10.0	10.0	08/21/2018	ND	208	104	200	3.67	
EXT DRO >C28-C36	<10.0	10.0	08/21/2018	ND					

Surrogate: 1-Chlorooctane *89.3 %* *41-142*

Surrogate: 1-Chlorooctadecane *80.6 %* *37.6-147*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

EOG Y RESOURCES, INC
ROBERT ASHER
105 SOUTH 4TH STREET
ARTESIA NM, 88210
Fax To: (575) 748-4131

Received:	08/20/2018	Sampling Date:	08/16/2018
Reported:	08/24/2018	Sampling Type:	Soil
Project Name:	SCOUT EH FEDERAL #1 (ASP 2)	Sampling Condition:	Cool & Intact
Project Number:	30-015-00155	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO NM		

Sample ID: ASP 2.5 (H802320-05)

BTEX 8021B mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2018	ND	1.85	92.6	2.00	3.01	
Toluene*	<0.050	0.050	08/21/2018	ND	1.74	87.0	2.00	2.88	
Ethylbenzene*	<0.050	0.050	08/21/2018	ND	1.72	86.1	2.00	3.27	
Total Xylenes*	<0.150	0.150	08/21/2018	ND	5.21	86.8	6.00	3.16	
Total BTEX	<0.300	0.300	08/21/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID *93.4 %* *69.8-142*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	08/21/2018	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/21/2018	ND	205	103	200	0.866	
DRO >C10-C28*	<10.0	10.0	08/21/2018	ND	208	104	200	3.67	
EXT DRO >C28-C36	<10.0	10.0	08/21/2018	ND					

Surrogate: 1-Chlorooctane *85.1 %* *41-142*

Surrogate: 1-Chlorooctadecane *75.9 %* *37.6-147*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

EOG Y RESOURCES, INC
ROBERT ASHER
105 SOUTH 4TH STREET
ARTESIA NM, 88210
Fax To: (575) 748-4131

Received:	08/20/2018	Sampling Date:	08/16/2018
Reported:	08/24/2018	Sampling Type:	Soil
Project Name:	SCOUT EH FEDERAL #1 (ASP 2)	Sampling Condition:	Cool & Intact
Project Number:	30-015-00155	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO NM		

Sample ID: ASP 2.6 (H802320-06)

BTEX 8021B mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2018	ND	1.85	92.6	2.00	3.01	
Toluene*	<0.050	0.050	08/21/2018	ND	1.74	87.0	2.00	2.88	
Ethylbenzene*	<0.050	0.050	08/21/2018	ND	1.72	86.1	2.00	3.27	
Total Xylenes*	<0.150	0.150	08/21/2018	ND	5.21	86.8	6.00	3.16	
Total BTEX	<0.300	0.300	08/21/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.0 %* *69.8-142*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	08/21/2018	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/21/2018	ND	205	103	200	0.866	
DRO >C10-C28*	<10.0	10.0	08/21/2018	ND	208	104	200	3.67	
EXT DRO >C28-C36	<10.0	10.0	08/21/2018	ND					

Surrogate: 1-Chlorooctane *90.9 %* *41-142*

Surrogate: 1-Chlorooctadecane *84.1 %* *37.6-147*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

ARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476

Project Manager: Robert Asher
Company Name: EOG Resources, Inc.
Company Address: 104 South 4th Street
City/State/Zip: Artesia, NM 88210
Telephone No: 575-748-4171 Fax No:
Sampler Signature:

Project Name: Scout EH Federal #1 (ASP 2)
Project #: 30-015-00155
Project Loc: Eddy County
PO #: 205632
Report Format: [x] Standard [ ] TRRP [ ] NPDES
e-mail: robert_asher@eogresources.com

(lab use only)
ORDER #: H802320

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge	GW = Groundwater S=Soil/Solid	NP=Non-Potable Specify Other	Analyze For: TCLP: TOTAL: TPH: 8015M Extended	TPH: TX 1005	TPH: TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.				RUSH TAT (Pre-Schedule) 24 hrs	Standard TAT
1	ASP 2.1	1'	1'	8/16/2018	8:14 AM		1							X		S			X				X					X							X
2	ASP 2.2	2'	2'	8/16/2018	8:15 AM		1							X		S			X				X					X							X
3	ASP 2.3	3'	3'	8/16/2018	8:16 AM		1							X		S			X				X					X							X
4	ASP 2.4	4'	4'	8/16/2018	8:17 AM		1							X		S			X				X					X							X
5	ASP 2.5	5'	5'	8/16/2018	8:18 AM		1							X		S			X				X					X							X
6	ASP 2.6	6'	6'	8/16/2018	8:20 AM		1							X		S			X				X					X							X

Special Instructions: **TPH Extended Please.** ALL results in mg/kg. Thank you.

Relinquished by:	Date	Time	Received by:	Date	Time
	08/17/18	10:00 AM	Tamara Oldaker	8-20-2018	12:00
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT:	Date	Time

Laboratory Comments:

Sample Containers Intact?	(Y)	N
VOCs Free of Headspace?	(Y)	N
Labels on container(s)	(Y)	N
Custody seals on container(s)	(Y)	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered	(Y)	N
by Sampler/Client Rep. ?	(Y)	N

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt: 4.1°C / 4.05 °C #175

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 09, 2018

ROBERT ASHER

EOG Y RESOURCES, INC

105 SOUTH 4TH STREET

ARTESIA, NM 88210

RE: SCOUT EH FEDERAL #1 (CRSP 1)

Enclosed are the results of analyses for samples received by the laboratory on 08/06/18 14:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

EOG Y RESOURCES, INC
ROBERT ASHER
105 SOUTH 4TH STREET
ARTESIA NM, 88210
Fax To: (575) 748-4131

Received:	08/06/2018	Sampling Date:	08/02/2018
Reported:	08/09/2018	Sampling Type:	Soil
Project Name:	SCOUT EH FEDERAL #1 (CRSP 1)	Sampling Condition:	** (See Notes)
Project Number:	30-015-00155	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO NM		

Sample ID: CRSP 1.5 (H802144-01)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1500**	16.0	08/08/2018	ND	416	104	400	3.77	

Sample ID: CRSP 1.10 (H802144-02)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**2080**	16.0	08/08/2018	ND	416	104	400	3.77	

Sample ID: CRSP 1.15 (H802144-03)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1300**	16.0	08/08/2018	ND	416	104	400	3.77	

Sample ID: CRSP 1.20 (H802144-04)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**5680**	16.0	08/08/2018	ND	416	104	400	3.77	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

EOG Y RESOURCES, INC
ROBERT ASHER
105 SOUTH 4TH STREET
ARTESIA NM, 88210
Fax To: (575) 748-4131

Received:	08/06/2018	Sampling Date:	08/02/2018
Reported:	08/09/2018	Sampling Type:	Soil
Project Name:	SCOUT EH FEDERAL #1 (CRSP 1)	Sampling Condition:	** (See Notes)
Project Number:	30-015-00155	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO NM		

Sample ID: CRSP 1.25 (H802144-05)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**3920**	16.0	08/08/2018	ND	416	104	400	3.77	

Sample ID: CRSP 1.30 (H802144-06)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**7200**	16.0	08/08/2018	ND	416	104	400	3.77	

Sample ID: CRSP 1.35 (H802144-07)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**5680**	16.0	08/08/2018	ND	416	104	400	3.77	

Sample ID: CRSP 1.40 (H802144-08)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**5600**	16.0	08/08/2018	ND	416	104	400	3.77	

Sample ID: CRSP 1.45 (H802144-09)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1800**	16.0	08/08/2018	ND	416	104	400	3.77	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

EOG Y RESOURCES, INC
ROBERT ASHER
105 SOUTH 4TH STREET
ARTESIA NM, 88210
Fax To: (575) 748-4131

Received:	08/06/2018	Sampling Date:	08/02/2018
Reported:	08/09/2018	Sampling Type:	Soil
Project Name:	SCOUT EH FEDERAL #1 (CRSP 1)	Sampling Condition:	** (See Notes)
Project Number:	30-015-00155	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO NM		

Sample ID: CRSP 1.50 (H802144-10)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**8080**	16.0	08/08/2018	ND	416	104	400	3.77	

Sample ID: CRSP 1.55 (H802144-11)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**2840**	16.0	08/08/2018	ND	416	104	400	3.77	

Sample ID: CRSP 1.60 (H802144-12)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**3440**	16.0	08/08/2018	ND	416	104	400	3.77	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

ARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476

Project Manager: Robert Asher
Project Name: Scout EH Federal #1 (CRSP 1)
Company Name: EOG Resources, Inc.
Project #: 30-015-00155
Company Address: 104 South 4th Street
Project Loc: Eddy County
City/State/Zip: Artesia, NM 88210
PO #: 205632
Telephone No: 575-748-4171
Fax No:
Report Format: [x] Standard [ ] TRRP [ ] NPDES
Sampler Signature:
e-mail: robert_asher@eogresources.com

(lab use only)
ORDER #: H802144

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW=Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TCLP: TPH: 8015M Extended	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	TOTAL: BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	RUSH TAT (Pre-Schedule) 24 hrs	Standard TAT
1	CRSP 1.5	5'	5'	8/2/2018	7:10 AM		1							X		S				X								X
2	CRSP 1.10	10'	10'	8/2/2018	7:14 AM		1							X		S				X								X
3	CRSP 1.15	15'	15'	8/2/2018	7:20 AM		1							X		S				X								X
4	CRSP 1.20	20'	20'	8/2/2018	7:30 AM		1							X		S				X								X
5	CRSP 1.25	25'	25'	8/2/2018	7:40 AM		1							X		S				X								X
6	CRSP 1.30	30'	30'	8/2/2018	7:46 AM		1							X		S				X								X
7	CRSP 1.35	35'	35'	8/2/2018	7:50 AM		1							X		S				X								X
8	CRSP 1.40	40'	40'	8/2/2018	8:03 AM		1							X		S				X								X
9	CRSP 1.45	45'	45'	8/2/2018	8:16 AM		1							X		S				X								X
10	CRSP 1.50	50'	50'	8/2/2018	8:26 AM		1							X		S				X								X

Special Instructions: Chlorides Only Please. ALL results in mg/kg. Thank you.

Relinquished by:	Date	Time	Received by:	Date	Time
	08/03/18	7:12 AM		8-6-18	2:00
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT:	Date	Time

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered	Y	N
by Sampler/Client Rep. ?	Y	N

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt: 6.3°C
Corrected 6.2°C #75 TO

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

ARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476

Project Manager: Robert Asher
Company Name: EOG Resources, Inc.
Company Address: 104 South 4th Street
City/State/Zip: Artesia, NM 88210
Telephone No: 575-748-4171 Fax No:
Sampler Signature: e-mail: robert_asher@eogresources.com

Project Name: Scout EH Federal #1 (CRSP 1)
Project #: 30-015-00155
Project Loc: Eddy County
PO #: 205632
Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only)
ORDER #: H802144

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge	GW = Groundwater S=Soil/Solid	NP=Non-Potable Specify Other	Analyze For: TPH: 8015M Extended	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	RUSH TAT (Pre-Schedule) 24 hrs	Standard TAT
11	CRSP 1.55	55'	55'	8/2/2018	8:43 AM		1							X		S						X								X
12	CRSP 1.60	60'	60'	8/2/2018	8:57 AM		1							X		S						X								X

Special Instructions: **Chlorides Only Please.** ALL results in mg/kg. Thank you.

Relinquished by:	Date	Time	Received by:	Date	Time
	08/03/18	7:15 AM	Tamara Oldaker	8-6-18	2:00
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT:	Date	Time

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered	Y	N
by Sampler/Client Rep. ?	Y	N

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt: 6.3°C
Corrected 6.2°C #75 TO.

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 09, 2018

ROBERT ASHER

EOG Y RESOURCES, INC

105 SOUTH 4TH STREET

ARTESIA, NM 88210

RE: SCOUT EH FEDERAL #1 (CRSP 2)

Enclosed are the results of analyses for samples received by the laboratory on 08/06/18 14:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

EOG Y RESOURCES, INC
ROBERT ASHER
105 SOUTH 4TH STREET
ARTESIA NM, 88210
Fax To: (575) 748-4131

Received:	08/06/2018	Sampling Date:	08/02/2018
Reported:	08/09/2018	Sampling Type:	Soil
Project Name:	SCOUT EH FEDERAL #1 (CRSP 2)	Sampling Condition:	** (See Notes)
Project Number:	30-015-00155	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO NM		

Sample ID: CRSP 2.5 (H802143-01)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1880**	16.0	08/08/2018	ND	416	104	400	3.77	

Sample ID: CRSP 2.10 (H802143-02)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**560**	16.0	08/08/2018	ND	416	104	400	3.77	

Sample ID: CRSP 2.15 (H802143-03)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**592**	16.0	08/08/2018	ND	416	104	400	3.77	

Sample ID: CRSP 2.20 (H802143-04)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**256**	16.0	08/08/2018	ND	416	104	400	3.77	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

ARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240
(505) 393-2326 FAX (505) 393-2476

Project Manager: Robert Asher
Company Name: EOG Resources, Inc.
Company Address: 104 South 4th Street
City/State/Zip: Artesia, NM 88210
Telephone No: 575-748-4171
Fax No:
Sampler Signature:
e-mail: robert_asher@eogresources.com

Project Name: Scout EH Federal #1 (CRSP 2)
Project #: 30-015-00155
Project Loc: Eddy County
PO #: 205632
Report Format: [x] Standard [ ] TRRP [ ] NPDES

(lab use only)
ORDER #: H802143

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge	GW = Groundwater S=Soil/Solid	NP=Non-Potable Specify Other	Analyze For: TPH: 8015M Extended	TPH: TX 1005	TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	RUSH TAT (Pre-Schedule) 24 hrs	Standard TAT
1	CRSP 2.5	5'	5'	8/2/2018	9:22 AM		1							X			S						X									X
2	CRSP 2.10	10'	10'	8/2/2018	9:26 AM		1							X			S						X									X
3	CRSP 2.15	15'	15'	8/2/2018	9:40 AM		1							X			S						X									X
4	CRSP 2.20	20'	20'	8/2/2018	9:50 AM		1							X			S						X									X

Special Instructions: **Chlorides Only Please.** ALL results in mg/kg. Thank you.

	Date	Time		Date	Time
Relinquished by:	08/03/18	7:25 AM	Received by:	8-6-18	2:00
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT:	Date	Time

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered	Y	N
by Sampler/Client Rep. ?	Y	N

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt: 6.3°C
Corrected 6.2°C #75 TS °C

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 09, 2018

ROBERT ASHER

EOG Y RESOURCES, INC

105 SOUTH 4TH STREET

ARTESIA, NM 88210

RE: SCOUT EH FEDERAL #1 (CRSP 3)

Enclosed are the results of analyses for samples received by the laboratory on 08/06/18 14:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

EOG Y RESOURCES, INC
ROBERT ASHER
105 SOUTH 4TH STREET
ARTESIA NM, 88210
Fax To: (575) 748-4131

Received:	08/06/2018	Sampling Date:	08/02/2018
Reported:	08/09/2018	Sampling Type:	Soil
Project Name:	SCOUT EH FEDERAL #1 (CRSP 3)	Sampling Condition:	** (See Notes)
Project Number:	30-015-00155	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO NM		

Sample ID: CRSP 3.5 (H802142-01)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**3120**	16.0	08/08/2018	ND	448	112	400	7.41	

Sample ID: CRSP 3.10 (H802142-02)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1310**	16.0	08/08/2018	ND	448	112	400	7.41	

Sample ID: CRSP 3.15 (H802142-03)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1260**	16.0	08/08/2018	ND	448	112	400	7.41	

Sample ID: CRSP 3.20 (H802142-04)

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**384**	16.0	08/08/2018	ND	416	104	400	3.77	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

EOG Y RESOURCES, INC
ROBERT ASHER
105 SOUTH 4TH STREET
ARTESIA NM, 88210
Fax To: (575) 748-4131

Received:	08/06/2018	Sampling Date:	08/02/2018
Reported:	08/09/2018	Sampling Type:	Soil
Project Name:	SCOUT EH FEDERAL #1 (CRSP 3)	Sampling Condition:	** (See Notes)
Project Number:	30-015-00155	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO NM		

Sample ID: CRSP 3.25 (H802142-05)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**2200**	16.0	08/08/2018	ND	416	104	400	3.77	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

ARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476

Project Manager: Robert Asher
Company Name: EOG Resources, Inc.
Company Address: 104 South 4th Street
City/State/Zip: Artesia, NM 88210
Telephone No: 575-748-4171
Sampler Signature:

Project Name: Scout EH Federal #1 (CRSP 3)
Project #: 30-015-00155
Project Loc: Eddy County
PO #: 205632
Fax No:
e-mail: robert_asher@eogresources.com
Report Format: [x] Standard [ ] TRRP [ ] NPDES

(lab use only)
ORDER #: H802142-

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge	GW = Groundwater S=Soil/Solid	NP=Non-Potable Specify Other	Analyze For: TCLP: TPH: 8015M Extended	TPH: TX 1005	TPH: TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	TOTAL: BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	RUSH TAT (Pre-Schedule) 24 hrs	Standard TAT
1	CRSP 3.5	5'	5'	8/2/2018	10:08 AM		1							X		S							X									X
2	CRSP 3.10	10'	10'	8/2/2018	10:12 AM		1							X		S							X									X
3	CRSP 3.15	15'	15'	8/2/2018	10:18 AM		1							X		S							X									X
4	CRSP 3.20	20'	20'	8/2/2018	10:33 AM		1							X		S							X									X
5	CRSP 3.25	25'	25'	8/2/2018	10:40 AM		1							X		S							X									X

Special Instructions: Chlorides Only Please. ALL results in mg/kg. Thank you.

Relinquished by:	Date	Time	Received by:	Date	Time
	08/03/18	7:34 AM	Tamara Oldaker	8-6-18	2:00
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT:	Date	Time

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered	Y	N
by Sampler/Client Rep. ?	Y	N

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt: 6.3° °C
Corrected 6.2°C #75 T

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 09, 2018

ROBERT ASHER

EOG Y RESOURCES, INC

105 SOUTH 4TH STREET

ARTESIA, NM 88210

RE: SCOUT EH FEDERAL #1 (CRSP 4)

Enclosed are the results of analyses for samples received by the laboratory on 08/06/18 14:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

EOG Y RESOURCES, INC
ROBERT ASHER
105 SOUTH 4TH STREET
ARTESIA NM, 88210
Fax To: (575) 748-4131

Received:	08/06/2018	Sampling Date:	08/02/2018
Reported:	08/09/2018	Sampling Type:	Soil
Project Name:	SCOUT EH FEDERAL #1 (CRSP 4)	Sampling Condition:	** (See Notes)
Project Number:	30-015-00155	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CO NM		

Sample ID: CRSP 4.5 (H802141-01)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**576**	16.0	08/08/2018	ND	448	112	400	7.41	

Sample ID: CRSP 4.10 (H802141-02)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1470**	16.0	08/08/2018	ND	448	112	400	7.41	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

ARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476

Project Manager: Robert Asher
Company Name: EOG Resources, Inc.
Company Address: 104 South 4th Street
City/State/Zip: Artesia, NM 88210
Telephone No: 575-748-4171 Fax No:
Sampler Signature:
e-mail: robert_asher@eogresources.com

Project Name: Scout EH Federal #1 (CRSP 4)
Project #: 30-015-00155
Project Loc: Eddy County
PO #: 205632
Report Format: [x] Standard [ ] TRRP [ ] NPDES

(lab use only)
ORDER #: H802141

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge / GW = Groundwater S=Soil/Solid / NP=Non-Potable Specify Other	Analyze For: TCLP: TOTAL: TPH: 8015M Extended	TPH: TX 1005	TPH: TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	RUSH TAT (Pre-Schedule) 24 hrs	Standard TAT
1	CRSP 4.5	5'	5'	8/2/2018	10:57 AM		1							X		S					X									X
2	CRSP 4.10	10'	10'	8/2/2018	11:05 AM		1							X		S					X									X

Special Instructions: Chlorides Only Please. ALL results in mg/kg. Thank you.

Relinquished by:	Date	Time	Received by:	Date	Time
	08/03/18	7:40 AM	Tamara Oldaker	8-4-18	2:00
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT:	Date	Time

Laboratory Comments:

Sample Containers Intact?	(Y)	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	(Y)	N
Custody seals on container(s)	(Y)	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered	(Y)	N
by Sampler/Client Rep. ?	(Y)	N

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt: 6.3°C
Corrected 6.25°C #1 TK

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

April 19, 2017

Robert Asher

EOG Resources, Inc.
105 South Fourth Street
Artesia, NM 88210
TEL: (575) 748-4111
FAX

RE: Scout EH Fedeal 1 Battery OrderNo.: 1704494

Dear Robert Asher:

Hall Environmental Analysis Laboratory received 8 sample(s) on 4/12/2017 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifers 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 #NM0190

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1704494**
Date Reported: **4/19/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Resources, Inc. **Client Sample ID:** EP-1
Project: Scout EH Fedeal 1 Battery **Collection Date:** 4/6/2017 9:50:00 AM
Lab ID: 1704494-001 **Matrix:** SOIL **Received Date:** 4/12/2017 10:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	5200	150		mg/Kg	100	4/17/2017 7:08:34 PM	31249

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report
Lab Order **1704494**
Date Reported: **4/19/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Resources, Inc. **Client Sample ID:** EP-2
Project: Scout EH Fedeal 1 Battery **Collection Date:** 4/6/2017 9:55:00 AM
Lab ID: 1704494-002 **Matrix:** SOIL **Received Date:** 4/12/2017 10:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	4300	150		mg/Kg	100	4/17/2017 7:20:58 PM	31249

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report
Lab Order **1704494**
Date Reported: **4/19/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Resources, Inc. **Client Sample ID:** EP-3
Project: Scout EH Fedeal 1 Battery **Collection Date:** 4/6/2017 10:00:00 AM
Lab ID: 1704494-003 **Matrix:** SOIL **Received Date:** 4/12/2017 10:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	3700	150		mg/Kg	100	4/17/2017 7:58:13 PM	31249

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report
Lab Order **1704494**
Date Reported: **4/19/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Resources, Inc. **Client Sample ID:** EP-4
Project: Scout EH Fedeal 1 Battery **Collection Date:** 4/6/2017 10:05:00 AM
Lab ID: 1704494-004 **Matrix:** SOIL **Received Date:** 4/12/2017 10:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	4200	300		mg/Kg	200	4/17/2017 8:10:37 PM	31249

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report
Lab Order **1704494**
Date Reported: **4/19/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Resources, Inc. **Client Sample ID:** WP-1
Project: Scout EH Fedeal 1 Battery **Collection Date:** 4/6/2017 10:10:00 AM
Lab ID: 1704494-005 **Matrix:** SOIL **Received Date:** 4/12/2017 10:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	2700	150		mg/Kg	100	4/17/2017 8:23:02 PM	31249

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report
Lab Order **1704494**
Date Reported: **4/19/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Resources, Inc. **Client Sample ID:** WP-2
Project: Scout EH Fedeal 1 Battery **Collection Date:** 4/6/2017 10:15:00 AM
Lab ID: 1704494-006 **Matrix:** SOIL **Received Date:** 4/12/2017 10:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	4100	150		mg/Kg	100	4/17/2017 8:35:27 PM	31249

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report
Lab Order **1704494**
Date Reported: **4/19/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Resources, Inc. **Client Sample ID:** WP-3
Project: Scout EH Fedeal 1 Battery **Collection Date:** 4/6/2017 10:20:00 AM
Lab ID: 1704494-007 **Matrix:** SOIL **Received Date:** 4/12/2017 10:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	5300	300		mg/Kg	200	4/17/2017 8:47:51 PM	31249

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report
Lab Order **1704494**
Date Reported: **4/19/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Resources, Inc. **Client Sample ID:** WP-4
Project: Scout EH Fedeal 1 Battery **Collection Date:** 4/6/2017 10:25:00 AM
Lab ID: 1704494-008 **Matrix:** SOIL **Received Date:** 4/12/2017 10:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	6800	300		mg/Kg	200	4/17/2017 9:00:15 PM	31249

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1704494**

19-Apr-17

Client: EOG Resources, Inc.

Project: Scout EH Fedeal 1 Battery

Sample ID	**MB-31249**	SampType:	**MBLK**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBS**	Batch ID:	**31249**	RunNo:	**42127**					
Prep Date:	**4/14/2017**	Analysis Date:	**4/14/2017**	SeqNo:	**1323689**	Units:	**mg/Kg**			

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

Sample ID	**LCS-31249**	SampType:	**LCS**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**LCSS**	Batch ID:	**31249**	RunNo:	**42127**					
Prep Date:	**4/14/2017**	Analysis Date:	**4/14/2017**	SeqNo:	**1323690**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.8	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: EOG/Yates | Work Order Number: 1704494 | RcptNo: 1

Received By: **Andy Jansson** 4/12/2017 10:10:00 AM

Completed By: **Ashley Gallegos** 4/12/2017 11:58:27 AM

Reviewed By: ENM 04/12/17

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Courier		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. 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: _____

Special Handling (if applicable)

16. 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: _____

17. Additional remarks:

18. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			

Chain-of-Custody Record

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Client: **EOG Resources, Inc.**

Mailing Address: **105 South 4th Street**

Artesia, NM 88210

Phone #: **(575) 748-4217**

email: **Robert_Asher@eogresources.com**

QA/QC Package:

X Standard ☐ Level 4 (Full Validation)

Accreditation:

☐ NELAP ☐ Other

☐ EDD (Type)

Turn-Around Time:

X Standard ☐ Rush

Project Name:

Scout EH Fedeal #1 Battery

Project #:

30-015-00155

Project Manager:

Robert Asher

PO# 205632

Sampler: Robert Asher

On Ice: ☑ Yes ☐ No

Sample Temperature: 1.0°C

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1704494	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diese	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (Cl)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)			Air Bubbles (Y or N)
4/6/17	9:50 AM	Soil	EP-1	1 - 4oz.	Ice	-001	X		X					X						
4/6/17	9:55 AM	Soil	EP-2	1 - 4oz.	Ice	-002	X		X					X						
4/6/17	10:00 AM	Soil	EP-3	1 - 4oz.	Ice	-003	X		X					X						
4/6/17	10:05 AM	Soil	EP-4	1 - 4oz.	Ice	-004	X		X					X						
4/6/17	10:10 AM	Soil	WP-1	1 - 4oz.	Ice	-005	X		X					X						
4/6/17	10:15 AM	Soil	WP-2	1 - 4oz.	Ice	-006	X		X					X						
4/6/17	10:20 AM	Soil	WP-3	1 - 4oz.	Ice	-007	X		X					X						
4/6/17	10:25 AM	Soil	WP-4	1 - 4oz.	Ice	-008	X		X					X						

Date:	Time:	Relinquished by:	Received by:	Date	Time
4/11/17	7:42 AM			04/12/17	610
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks: Please put chloride results on separate report. Analytical Results by 4/19/2017.

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

April 19, 2017

Robert Asher

EOG Resources, Inc.
105 South Fourth Street
Artesia, NM 88210
TEL: (575) 748-4111
FAX

RE: Scout EH Fedeal 1 Battery OrderNo.: 1704495

Dear Robert Asher:

Hall Environmental Analysis Laboratory received 4 sample(s) on 4/12/2017 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifers 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 #NM0190

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1704495**
Date Reported: **4/19/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Resources, Inc. **Client Sample ID:** DHM-1
Project: Scout EH Fedeal 1 Battery **Collection Date:** 4/6/2017 10:30:00 AM
Lab ID: 1704495-001 **Matrix:** SOIL **Received Date:** 4/12/2017 10:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	1300	75		mg/Kg	50	4/17/2017 9:12:40 PM	31249

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report
Lab Order **1704495**
Date Reported: **4/19/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Resources, Inc. **Client Sample ID:** DHM-2
Project: Scout EH Fedeal 1 Battery **Collection Date:** 4/6/2017 10:35:00 AM
Lab ID: 1704495-002 **Matrix:** SOIL **Received Date:** 4/12/2017 10:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	1300	75		mg/Kg	50	4/17/2017 9:25:05 PM	31249

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report
Lab Order **1704495**
Date Reported: **4/19/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Resources, Inc. **Client Sample ID:** DHM-3
Project: Scout EH Fedeal 1 Battery **Collection Date:** 4/6/2017 10:40:00 AM
Lab ID: 1704495-003 **Matrix:** SOIL **Received Date:** 4/12/2017 10:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	2500	75		mg/Kg	50	4/17/2017 9:37:29 PM	31249

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report
Lab Order **1704495**
Date Reported: **4/19/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Resources, Inc. **Client Sample ID:** DHM-4
Project: Scout EH Fedeal 1 Battery **Collection Date:** 4/6/2017 10:45:00 AM
Lab ID: 1704495-004 **Matrix:** SOIL **Received Date:** 4/12/2017 10:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	2200	75		mg/Kg	50	4/17/2017 9:49:54 PM	31249

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1704495**

19-Apr-17

Client: EOG Resources, Inc.

Project: Scout EH Fedeal 1 Battery

Sample ID	**MB-31249**	SampType:	**MBLK**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBS**	Batch ID:	**31249**	RunNo:	**42127**					
Prep Date:	**4/14/2017**	Analysis Date:	**4/14/2017**	SeqNo:	**1323689**	Units:	**mg/Kg**			

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

Sample ID	**LCS-31249**	SampType:	**LCS**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**LCSS**	Batch ID:	**31249**	RunNo:	**42127**					
Prep Date:	**4/14/2017**	Analysis Date:	**4/14/2017**	SeqNo:	**1323690**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.8	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: EOG/Yates Work Order Number: 1704495 RcptNo: 1

Received By: **Andy Jansson** 4/12/2017 10:10:00 AM

Completed By: **Ashley Gallegos** 4/12/2017 12:02:24 PM

Reviewed By: ENM 04/12/17

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Courier		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. 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: _____

Special Handling (if applicable)

16. 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: _____

17. Additional remarks:

18. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			

Chain-of-Custody Record

Client: **EOG Resources, Inc.**

Mailing Address: **105 South 4th Street**

Artesia, NM 88210

Phone #: **(575) 748-4217**

email: **Robert_Asher@eogresources.com**

QA/QC Package:

X Standard ☐ Level 4 (Full Validation)

Accreditation:

☐ NELAP ☐ Other

☐ EDD (Type)

Turn Around Time:

X Standard ☐ Rush

Project Name:

Scout EH Fedeal #1 Battery

Project #:

30-015-00155

Project Manager:

Robert Asher

PO# 205632

Sampler: Robert Asher

On Ice: ☑ Yes ☐ No

Sample Temperature: 1.0°C

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1704405	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (Cl)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)				Air Bubbles (Y or N)
4/6/17	10:30 AM	Soil	DHM-1	1 - 4oz.	Ice	-001	X		X					X							
4/6/17	10:35 AM	Soil	DHM-2	1 - 4oz.	Ice	-002	X		X					X							
4/6/17	10:40 AM	Soil	DHM-3	1 - 4oz.	Ice	-003	X		X					X							
4/6/17	10:45 AM	Soil	DHM-4	1 - 4oz.	Ice	-004	X		X					X							

Date:	Time:	Relinquished by:	Received by:	Date	Time
4/11/17	7:42 AM			04/12/17	1000
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks: Please put chloride results on separate report. Analytical Results by 4/19/2017.

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of

ATTACHMENT 5 –SOIL BORING LOGS

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

BORING NUMBER B-1

PAGE 1 OF 1

CLIENT EOG Resources, Inc.
PROJECT NAME Scout EH Federal #6
PROJECT NUMBER 5375
PROJECT LOCATION Eddy County, New Mexico
DATE STARTED 11/12/22 **COMPLETED** 11/12/22
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
GPS COORDINATES 32.706332°, -104.470922°
GEO = Geotech Sample

DEPTH (ft)	SOIL SAMPLE ANALYSIS	GROUNDWATER LEVELS (BTOC)	PID (In ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0					Topsoil/Silt, soft	
5			0		5.0	
10			0		(GM) Silty Gravel, brown, subrounded, dry	
15			0		15.0	
20			0		(ML) Clayey Silt, reddish-brown, soft to stiff, <10% gravel, dry	
25			1		25.0	
30			1.1		(ML) Clayey Silt, reddish-brown to white, stiff, dry	
35			1		Moist at 35' and below	
40			1			
45	GB		40.6		45.0	
50			2.5		(ML) Clayey Sandy Silt, reddish-brown to tan, soft, damp	
55			2.3			
60			15.8			
65			3.1			
70	GB		0		69.0 70.0 (CL) Clay, gray, stiff, dry, field chloride = 600 mg/Kg	

Bottom of borehole at 70.0 feet.

ENVIRONMENTAL BH - GINT STD US.GDT - 5/9/23 15:19 - R:\DRAFTING FILES\GINT LOGS\5375 - SCOUT EH FEDERAL #6 - BORING LOGS.GPJ

RANGER
ENVIRONMENTAL SERVICES, LLC

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

BORING NUMBER B-2

PAGE 1 OF 1

CLIENT EOG Resources, Inc.
PROJECT NAME Scout EH Federal #6
PROJECT NUMBER 5375
PROJECT LOCATION Eddy County, New Mexico
DATE STARTED 11/12/22 **COMPLETED** 11/12/22
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
GPS COORDINATES 32.706079°, -104.470376°
GEO = Geotech Sample

DEPTH (ft)	SOIL SAMPLE ANALYSIS	GROUNDWATER LEVELS (BTOC)	PID (In ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0					Topsoil/Silt, soft	
5			0		5.0	
10	GB		0		(GM) Silty Gravel, brown to tan, rounded to subrounded, dry	
15			0			
20			0			
25	GB		0		25.0 Field Chloride = 450 mg/Kg	
					Bottom of borehole at 25.0 feet.	

ENVIRONMENTAL BH - GINT STD US.GDT - 5/9/23 15:19 - R:\DRAFTING FILES\GINT LOGS\5375 - SCOUT EH FEDERAL #6 - BORING LOGS.GPJ

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

BORING NUMBER B-3

PAGE 1 OF 1

CLIENT EOG Resources, Inc.
PROJECT NAME Scout EH Federal #6
PROJECT NUMBER 5375
PROJECT LOCATION Eddy County, New Mexico
DATE STARTED 11/12/22 **COMPLETED** 11/12/22
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
GPS COORDINATES 32.706271°, -104.470410°
GEO = Geotech Sample

DEPTH (ft)	SOIL SAMPLE ANALYSIS	GROUNDWATER LEVELS (BTOC)	PID (In ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0					Topsoil/Silt, soft	
5			0		5.0	
10			0		(GM) Silty Gravel, red to brown, rounded to subrounded, dry	
15			0			
20			0			
25			0		25.0	
30			1		(ML) Clayey Silt, brown, very stiff, dry	
35			1.1			
40	GB		5.8			
45			2.2			
50			0		Field Chloride = 600 mg/Kg	
55			0		55.0	
60	GB		0		(CL) Clay, gray, stiff, moist	
					60.0	
					Field Chloride = 450 mg/Kg	
					Bottom of borehole at 60.0 feet.	

ENVIRONMENTAL BH - GINT STD US.GDT - 5/9/23 15:19 - R:\DRAFTING FILES\GINT LOGS\5375 - SCOUT EH FEDERAL #6 - BORING LOGS.GPJ

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

BORING NUMBER B-1.A

PAGE 1 OF 2

CLIENT EOG Resources, Inc.
PROJECT NAME Scout EH Federal #6
PROJECT NUMBER 5375
PROJECT LOCATION Eddy County, New Mexico
DATE STARTED 4/25/23 **COMPLETED** 4/25/23
GROUND WATER LEVELS:
DRILLING CONTRACTOR HCI
AT TIME OF DRILLING --- Dry
DRILLING METHOD Air Rotary
AFTER DRILLING --- Dry
LOGGED BY Will Kierdorf **CHECKED BY** Patrick Finn
BTOC = Below Top Of Casing
GB = Grab Sample
GEO = Geotech Sample
GPS COORDINATES

DEPTH (ft)	SOIL SAMPLE ANALYSIS	GROUNDWATER LEVELS (BTOC)	PID (In ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0						Casing Type: 2" Diameter Temp. Well
0			0		(ML-GM) Gravelly Silt, light gray to brown gray, soft, weathered, friable, minor clay and sand, subrounded gravel, dry, caliche	
10			0		10.0 (GM-GC) Silty Gravel, light gray, pebbles, fine to coarse grained, subrounded, <2" diameter, poorly sorted, minor clay and sand, dry	
15			0		15.0 (ML-GM) Gravelly Silt, light gray, medium soft, weathered, friable, dry, clayey	
20			0			
25			0		25.0 (ML) Clayey Silt, light gray, medium stiff, dry, friable, cemented in parts, gravelly	
30			0		28.0 Conglomerate, light gray, hard, gravelly	
35			0		31.0 (ML) Clayey Silt, light red-brown, stiff, dry, low plasticity, friable, cemented in part	
40			0		40.0 (ML) Silt, light red-brown, low plasticity, soft, damp, minor sand, cemented in part, clayey	Riser
45			0			
50			0			
55						

ENVIRONMENTAL BH - GINT STD US.GDT - 5/9/23 15:18 - R:\DRAFTING FILES\GINT LOGS\5375 - SCOUT EH FEDERAL #6 - BORING LOGS.GPJ

(Continued Next Page)

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BORING NUMBER B-1.A

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CLIENT EOG Resources, Inc. **PROJECT NAME** Scout EH Federal #6

PROJECT NUMBER 5375 **PROJECT LOCATION** Eddy County, New Mexico

DEPTH (ft)	SOIL SAMPLE ANALYSIS	GROUNDWATER LEVELS (BTOC)	PID (In ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
55						
60	GB		0		(ML) Silt, light red-brown, low plasticity, soft, damp, minor sand, cemented in part, clayey *(continued)*	
65			0		65.0	
70			0		(SM) Silty Sand, light gray to brown, very fine to fine grained, poorly graded, loose, minor clay, cemented siltstone in part 70.0	
75			0		(ML) Silt/Siltstone, light gray, very fine grained,minor clay, sandy at top, more siltstone with depth 75.0	
80	GB		0		(ML) Clayey Silt, dark gray, stiff, damp Field Chloride = 300 mg/Kg	
85					85.0	
90					(CL) Silty Clay, dark gray, stiff, damp, plastic, minor sand, poor recovery below 85'	
95						Temporary Well Screen
100						
105					105.0	

Bottom of borehole at 105.0 feet.

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BORING NUMBER B-3.A

PAGE 1 OF 2

CLIENT EOG Resources, Inc.
PROJECT NAME Scout EH Federal #6
PROJECT NUMBER 5375
PROJECT LOCATION Eddy County, New Mexico
DATE STARTED 4/25/23 **COMPLETED** 4/25/23
GROUND WATER LEVELS:
DRILLING CONTRACTOR HCI
AT TIME OF DRILLING --- Dry
DRILLING METHOD Air Rotary
AFTER DRILLING 73.18 ft on 4/28/2023
LOGGED BY Will Kierdorf **CHECKED BY** Patrick Finn
BTOC = Below Top Of Casing
GB = Grab Sample
GEO = Geotech Sample
GPS COORDINATES

DEPTH (ft)	SOIL SAMPLE ANALYSIS	GROUNDWATER LEVELS (BTOC)	PID (In ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0						Casing Type: 2" Diameter Temp. Well
0					(ML-GM) Gravelly Silt, light gray to brown gray, soft, weathered, friable, minor clay and sand, grades to sandy silt, dry, caliche	
5			0			
10			0		10.0	
					(ML) Silt, soft, weathered, light brown, friable, gravelly and sandy, minor clay, dry	
15			0		15.0	
					(GW-GM) Silty Gravel, light gray, fine to coarse grained sand, pebbles, <2" diameter, subrounded, clayey, dry	
20			0			
25			0		25.0	
					(ML) Clayey Silt, light tan-brown to gray, stiff, dry, friable, low plasticity, cemented in part	
					28.0	
					Conglomerate, light gray, quartz, hard, gravelly	
30			0		31.0	
					(ML) Clayey Silt, light tan, red-brown, stiff, dry, friable, cemented in part	
35			0		35.0	
					(ML) Silt, tan, red-brown, clayey, medium stiff, dry, moderately plastic, minor conglomerate inclusions, sandy, minor cemented portions, moist	
40	GB		0			
45			0			Riser
50			0			
55						

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BORING NUMBER B-3.A
PAGE 2 OF 2

CLIENT EOG Resources, Inc. **PROJECT NAME** Scout EH Federal #6

PROJECT NUMBER 5375 **PROJECT LOCATION** Eddy County, New Mexico

DEPTH (ft)	SOIL SAMPLE ANALYSIS	GROUNDWATER LEVELS (BTOC)	PID (In ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
55						
			0		(ML) Silt, tan, red-brown, clayey, medium stiff, dry, moderately plastic, minor conglomerate inclusions, sandy, minor cemented portions, moist *(continued)*	
60			0		60.0	
					(SP-SM) Silty Sand, light gray, some tan, very fine to fine grained, poorly graded, loose, minor clay, increasing silt and clay with depth, damp	
65			0		65.0 Field Chloride = 600 mg/Kg	
					(ML) Silt, light gray, very fine grained, medium soft, friable, clayey, minor sand, grades to dark gray at 70', damp soil	
70	GB		0			
		▼				
75			0		75.0	
					(ML) Clayey Silt, dark gray to medium brown, medium soft to stiff, damp	
80	GB		0			
85			0		85.0	
					(CL) Silty Clay, gray-brown, stiff, damp, plastic, minor sand throughout	
90			0			
95			0			Temporary Well Screen
100			0		Silty Clay, as above	
105			0		105.0	

Bottom of borehole at 105.0 feet.

ENVIRONMENTAL BH - GINT STD US.GDT - 5/9/23 15:18 - R:\DRAFTING FILES\GINT LOGS\5375 - SCOUT EH FEDERAL #6 - BORING LOGS.GPJ

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1625 N. French Dr., Hobbs, NM 88240
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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 220867

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 220867
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	Remediation plan approved. Submit a report via the OCD permitting portal by 03/06/2024.	11/2/2023