

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

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FORM C-141

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SITE CHARACTERIZATION AND REMEDIATION WORK 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

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.

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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 <u>Depth-to-Groundwater</u>

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.



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 <u>Distance from Site</u>

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)

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.



^{*}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.

3.2 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 <u>Vertical Delineation Test Excavations (October 2022)</u>

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 onsite 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 <u>Vertical Delineation Soil Borings (November 2022)</u>

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 HCl 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 <u>Vertical Delineation Soil Borings (April 2023)</u>

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 HCl 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 <u>Soil Segregation and Blending (Areas B – F)</u>

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:

<u> Area (Sample ID)</u>	<u> Unaffected Soil Interval</u>	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.



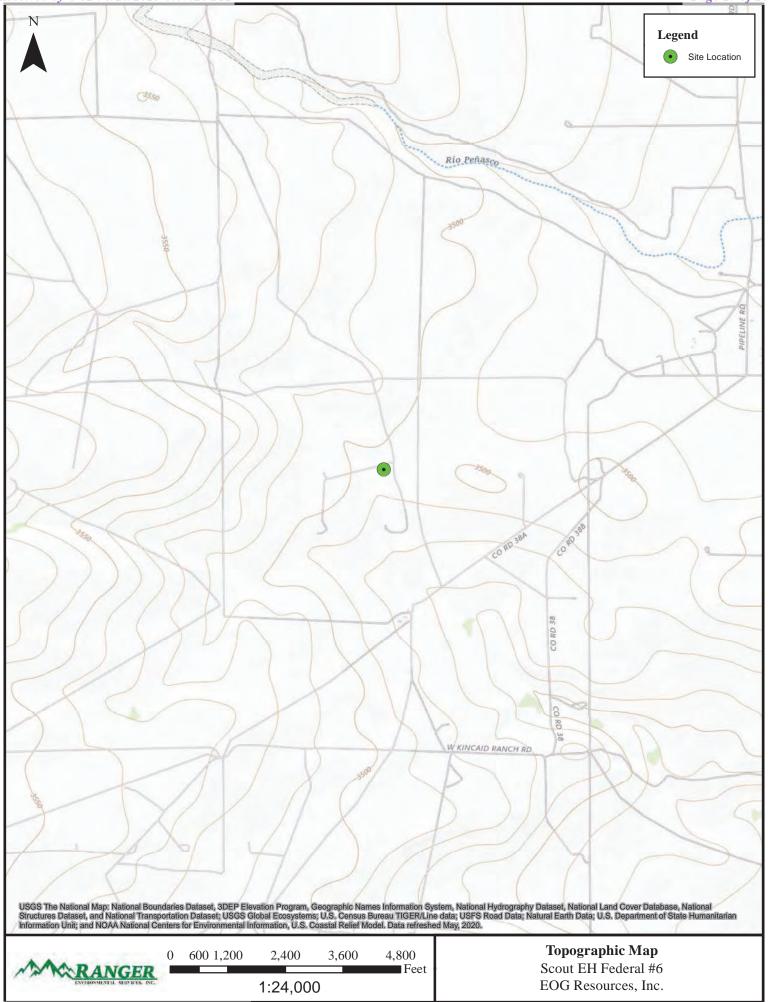
5.0 SITE CLOSURE

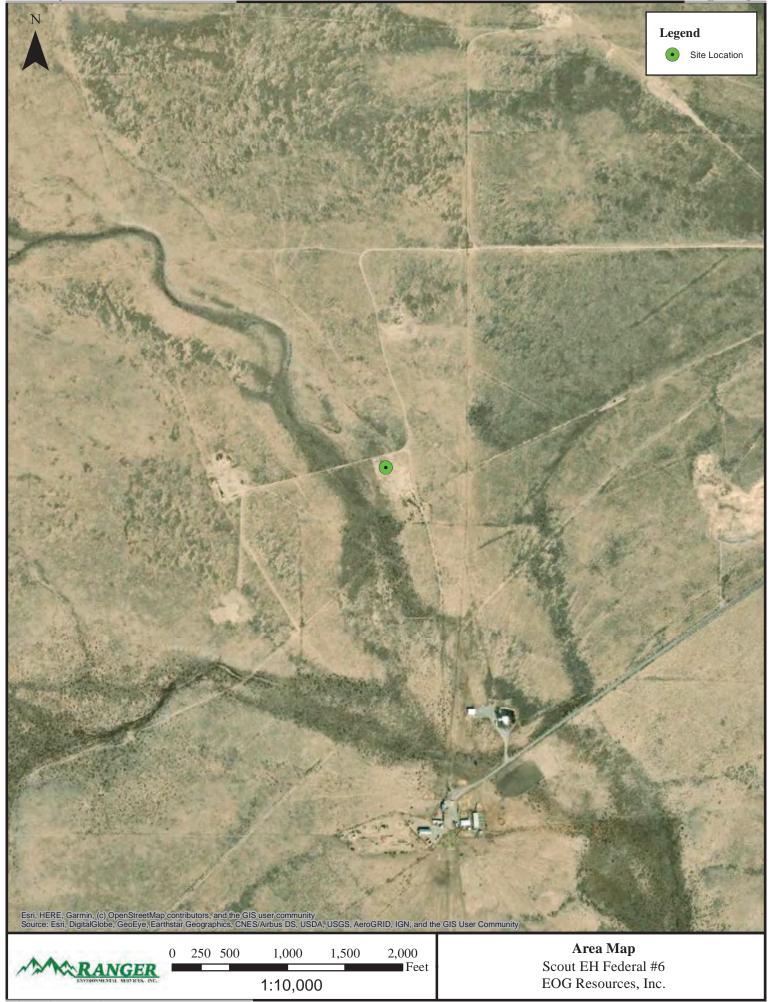
Upon completion of the remedial activities at the Site, a C-141 Final Report will be submitted to the NMOCD, and site closure will be requested. The Final Report will be completed in accordance with the closure reporting criteria detailed in NMAC 19.15.29.12 Subsection E.

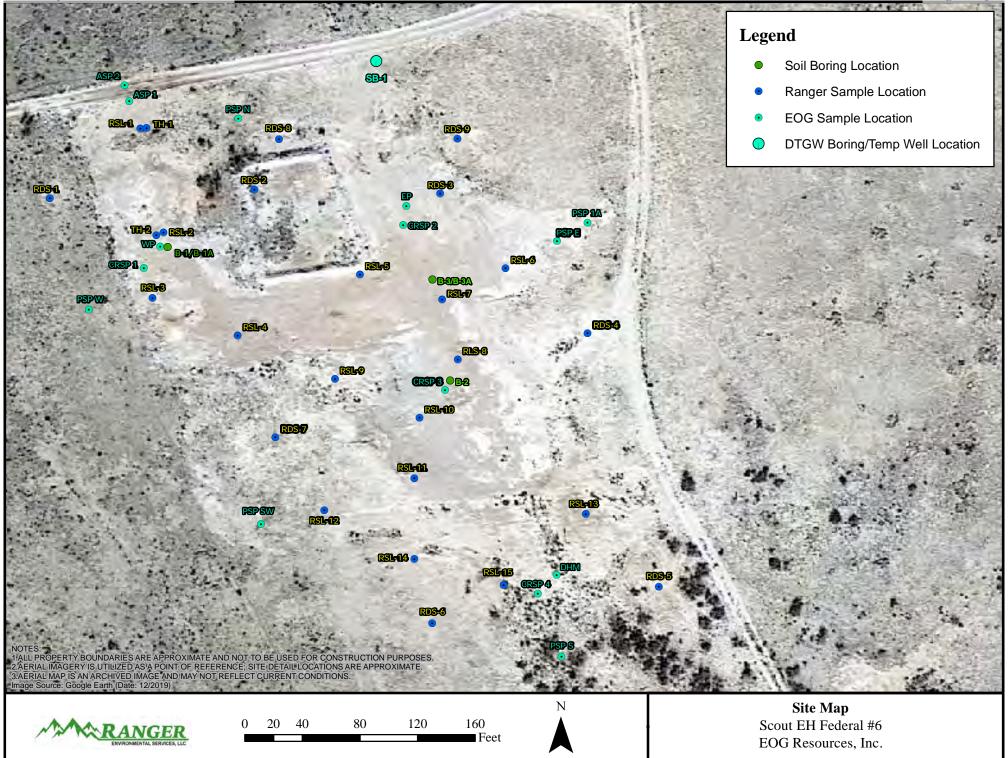


FIGURES

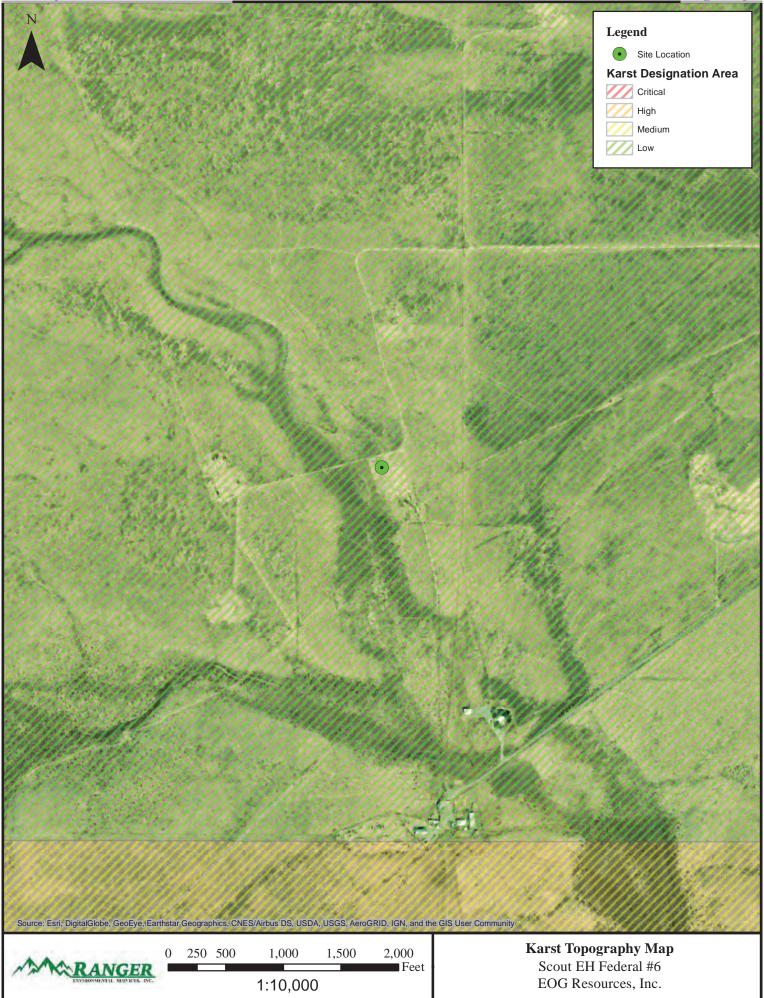
Topographic Map
Area Map
Site Map
Water Well Location Map
Karst Topography Map
National Wetland Well Inventory Map
FEMA Floodplain Map
Delineation Soil Sample Location Map
Interpretative Map (0' - 2.5')
Interpretative Map (0' - 5')
Proposed Soil Excavation Map

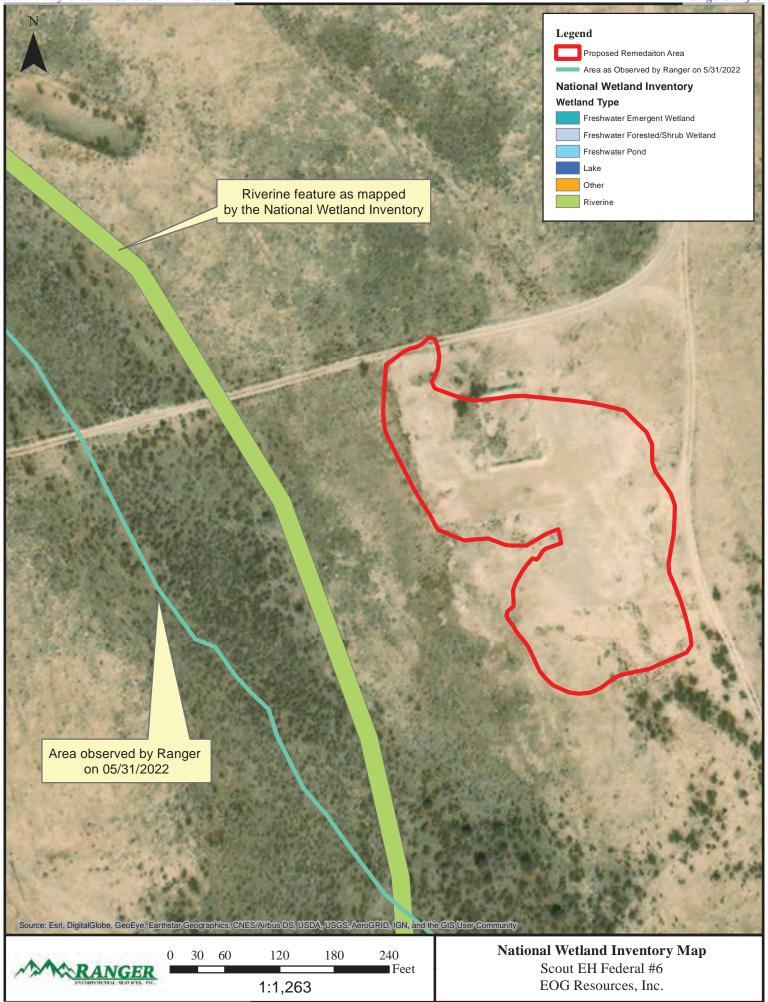


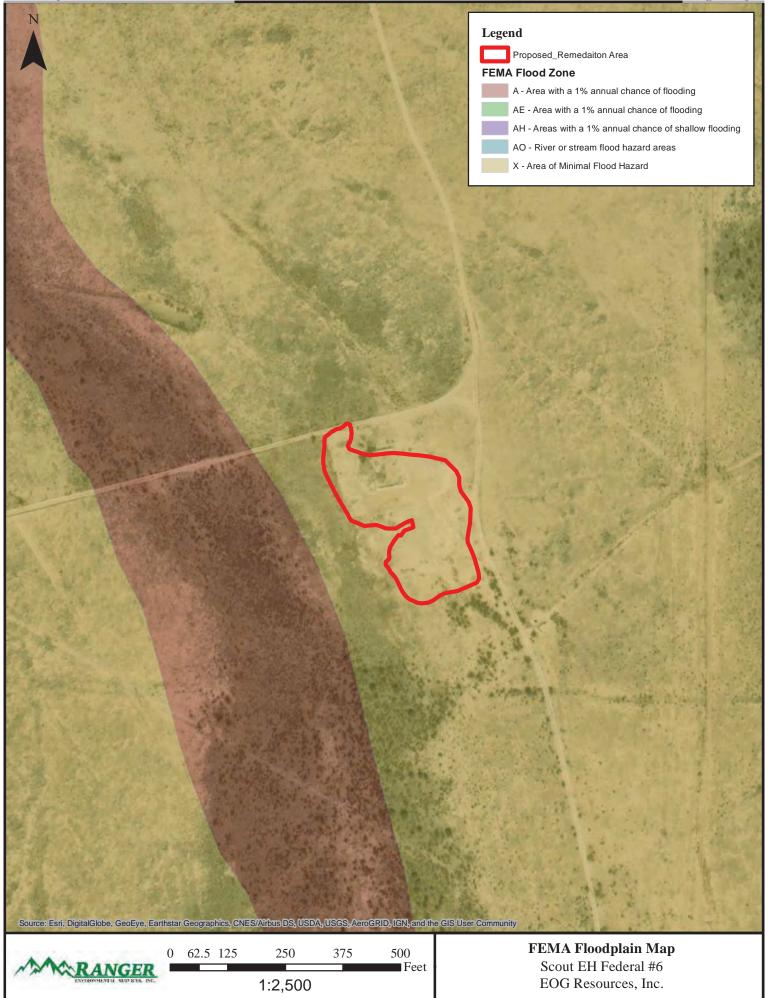


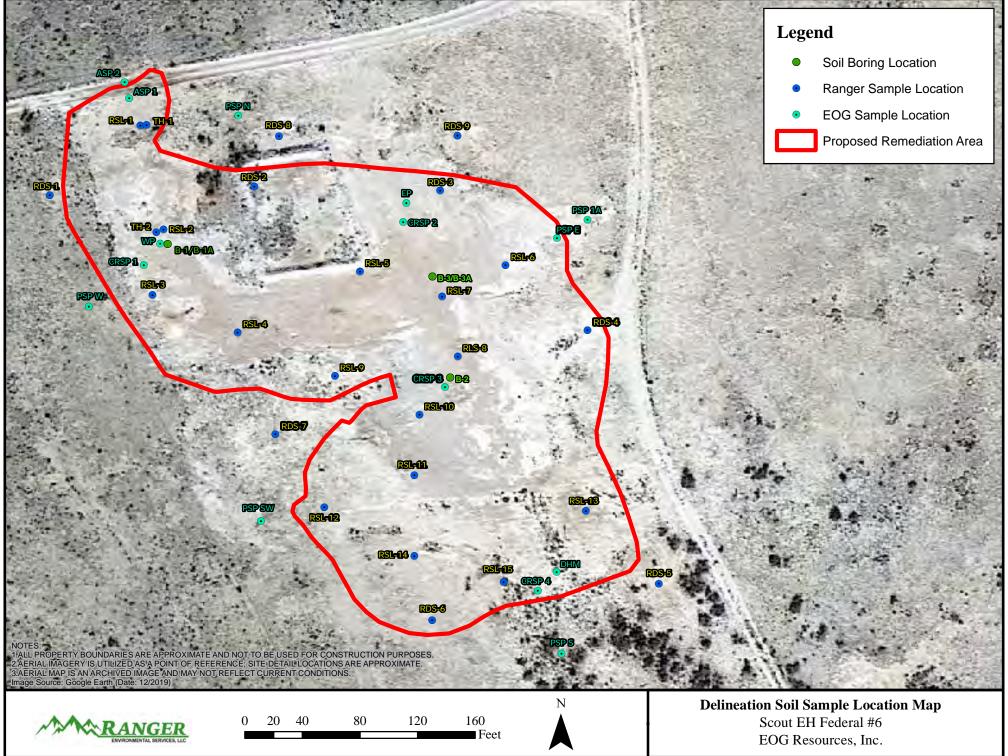


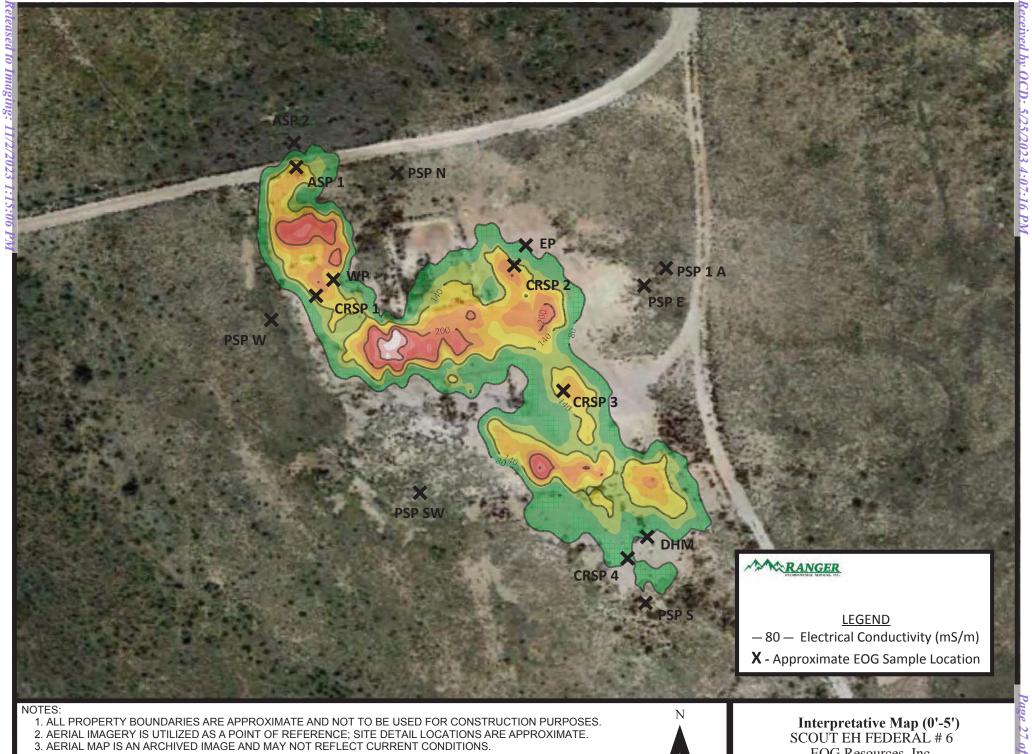












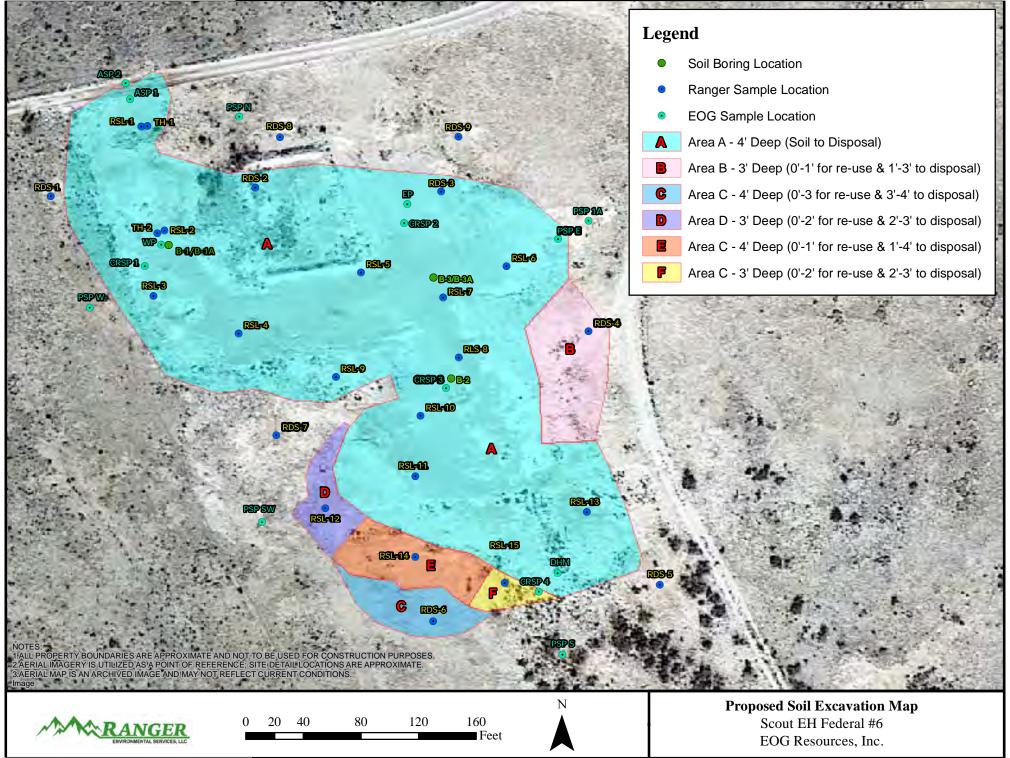
- 4. MAP NOT DRAWN TO SCALE.



EOG Resources, Inc.



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



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		TABLES	

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

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	<u>≥</u> 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	<u>></u> 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	<u>≥</u> 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	<u>></u> 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

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

				All valu	ies presente	d in parts per	million (mg	Ϳ/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)	CHLORID
CRSP 3.25	8/2/2018	25											2,200
2227	0/0/00/0	_											
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	4	<0.050	<0.050	<0.050	<0.150	<0.30	.10	.10	<10	<10	<10	48
ASP 2.1	8/16/2018	1 2	<0.050	<0.050	<0.050	<0.150	<0.30	<10 <10	<10 <10	<10	<10	<10	32
ASP 2.2 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 2.3 ASP 2.4	8/16/2018	4	<0.050	<0.050	<0.050	<0.150	<0.30	<10	<10	<10	<10	<10	32
ASP 2.4 ASP 2.5	8/16/2018	5	<0.050	<0.050	<0.050	<0.150	<0.30	<10	<10	<10	<10	<10	80
ASP 2.5 ASP 2.6	8/16/2018	6	<0.050	<0.050	<0.050	<0.150	<0.30	<10	<10	<10	<10	<10	96
AGF 2.0	0/10/2010	0	VO.030	<0.030	<0.030	<0.130	<0.50	×10	V10	<10	<10	<10	90
arch 2019 Ranger Soil Sa	mples		<u> </u>		<u> </u>	ļ		ļ		<u> </u>	<u> </u>	<u> </u>	<u> </u>
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
	1							1		ı	1	ı	
RSL - 2 / 0' - 1'	3/5/2019	0' - 1'											5200
RSL - 2 / 1' - 2'	3/5/2019	1' - 2' 2' - 3'											4960
RSL - 2 / 2' - 3'	3/5/2019	_											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
					1					1	1	1	
RSL - 4 / 0' - 1'	3/5/2019	0' - 1'											9520
RSL - 4 / 1' - 2'	3/5/2019	1' - 2'											6400

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

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

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

				All valu	es presente	d 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'								I			512
RSL - 14 / 1' - 2'	3/5/2019	1' - 2'											1580
RSL - 14 / 1 - 2	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
				Т	1	1				ı		1	
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
1130 47 0 1	0/0/2013	0 1	1	l				l			1		270

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

SAMPLE ID	DATE	DEPTH (FT)	BENZENE	TOLUENE	ETHYL- BENZENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C6-C10	TPH DRO C10-C28	TPH DRO	TPH (GRO+DRO)	TPH (GRO+DRO+	CHLORIDE
RDS - 4 / 1' - 2'	3/5/2019	1' - 2'								C28-C36		MRO)	752
RDS - 4 / 2' - 3'	3/5/2019	2' - 3'											816
RDS - 4 / 3' - 4'	3/5/2019	3' - 4'											480
100-47 0-4	3/3/2013	J - 4											400
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
	1				1	1		1	1	ı	1	Γ	
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
DDC 0 / 0' 4'	2/5/2040	0' - 1'			1					I	1		500
RDS - 9 / 0' - 1'	3/5/2019												560
RDS - 9 / 1' - 2'	3/5/2019	1' - 2'											576
RDS - 9 / 2' - 3' RDS - 9 / 3' - 4'	3/5/2019 3/5/2019	2' - 3' 3' - 4'											464 560
KD3-9/3-4	3/5/2019	3 - 4											360
October 2022 Ranger Soil S	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 0/40	10/00/0000	401		0.00		0.50	0.50	70	0.000	1 000	0.070	4.070	0.500
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
lovember 2022 Ranger So	il Samples				1					l	<u>l</u>		l
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

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)	CHLORID
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
ril 2023 Ranger Soil Sam	oles		ļ	<u> </u>	<u>l</u>			ļ				<u> </u>	L
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
9.15.29.12 NMAC Table 1 Impacted by a Rele			10				50				1,000	2,500	10,000
19.15.29.13 NMAC R (0'-4' Soi		teria	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.

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			10,000			

Impacted by a Release (GW 51'-100')

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.

A	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

Address 105 S. 4* St., Artesia NM 88210 Facility Name Scott EH Federal #1 Facility Type Oil Tank Battery Facility Type Oil Tank Battery Facility Type Oil Tank Battery				Rele	ase Notific	atio	n and Co	rrective A	ction	١ ,			
Address 105 S. 4" St., Artesia NM 88210 Facility Name Scout EH Pederal #1 Surface Owner BR Wilson Mineral Owner Fed Location Of RELEASE Unit Letter Section Township G							OPERAT	OR		区 Initia	l Report		Final Report
Facility Type Oil Tank Battery	ranso of Company Tucos Fororous Corp.												
Surface Owner BR Wilson LOCATION OF RELEASE Unit Letter Section Township Range 25E Feet from the North/South Line Peet from the East/West Line County Latitude Longitude NATURE OF RELEASE Type of Release Oil Volume Recovered 0 North/South Line One of Release Unit Volume Recovered 0 Source of Release Delow Grade Fiberglass tank Date and Hour of Occurrence Date and Hour of Discovery Was Immediate Notice Given? Yes No Not Required By Whom? Date and Hour Date and Hour Was a Watercourse Reached? Yes No Not Required If YES, To Whom? If YES, Volume Impacting the Watercourse. Describe Cause of Problem and Remedial Action Taken. Below surface fiberglass 210bb1 tank lenked, tank was removed. Describe Cause of Problem and Remedial Action Taken. Describe Cause of Problem and Remedial Action Taken. Below surface fiberglass 210bb1 tank lenked, tank was removed. Describe Cause of Octol cyc pay will be put in place, packed to a factor of 8, then covered with fresh caliebe. The tank to replace the below grade tank will be on the surface inside the tank shutery area. Describe Area Affected and Cleanup Action Taken. Describe Area Affected and Cleanup Action Taken. Describe Cause of Problem and Remedial Action Taken. Descr	11001000 100 0, 1 011, 11100								teru				
I.OCATION OF RELEASE	Facility Nan	ne Scout	EH Federal	#1			racinty Typ	e On Tank Dat	цегу				
I.OCATION OF RELEASE		-					D. 1			Longo N	In ADISO (15.00	155
Unit Letter Section Township RS	Surface Own	ner BR W	lson		Mineral C	wner	rea			Lease	10,AF130-0	713-00	133
Latitude Longitude													
Type of Release Oil Source of Release Disk Volume of Release Disk Volume Recovered 0 Source of Release Disk Volume Recovered 0 Date and Hour of Discovery If YES, To Whom? Date and Hour of Discovery If YES, To Whom? Was a Watercourse Reached? Date and Hour If YES, Volume Impacting the Watercourse. 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 old year puril 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 enviropment, The action from the enviropment, The action flowing MMOCD acceptance of a C>141 report by the NMOCD marked as "Final Report" does not relieve the operator of itability should their operations flavor failed to adequately investigale and remediate contamination that pose a threat to ground water, surface water, human health or the enviropment, The addition, MMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, of local laws failed to adequately investigale and remediate contamination that pose a threat to ground water, surface water, human health or the environmental Regulatory Agent Approved by District Supervisor: Jocelyn Harimon Printed Name: Dan Dolan Title: Environmental Regulatory Agent Conditions of Approval: Attached Attached Attached	Unit Letter G				Feet from the	eet from the North/South Line Feet from the East/W				West Line	County		de la companya de la
Volume of Release Unk Volume Recovered 0				La	titude		Longitud	e					
Source of Release Below Grade Fiberglass tank					NAT	URI							
Was Immediate Notice Given? Yes No Not Required If YES, To Whom?		ase Oil											
By Whom? Was a Watercourse Reached? Yes No Date and Hour If YES, Volume Impacting the Watercourse. If a Watercourse was Impacted, Describe Fully. Describe Cause of Problem and Remedial Action Taken. Describe Cause of Problem and Remedial Action Taken. 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 elay 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. Ihereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMCCD 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 NMCCD marked as "final Report" does not relieve the operator of liability should their operations fave failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMCCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or focal laws/snnfor regulations. OIL CONSERVATION DIVISION Signature: Approved by District Supervisor: Jocelyn Harimon Title: Environmental Regulatory Agent Approved Date: 05/26/2023 Expiration Date: Conditions of Approval: Attached Attached Attached Attached Attached Attached Attached Attached				berglass ta	ınk				ce	Date and	11011 01 1213	scovery	
Was a Watercourse Reached? Yes Mo 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 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 actopiance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations fave failed to adequately investigale and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, MMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, of local laws/and/or regulations. OIL CONSERVATION DIVISION Signature: Approved by District Supervisor: Jocelyn Harimon Title: Environmental Regulatory Agent Approved Date: 05/26/2023 Expiration Date: E-mail Address: ddolan@ypenm.com Conditions of Approval: Attached	was minicul	ate House (Yes 5	No 🗌 Not R	equire							
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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, MMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, of local laws and/or regulations. OIL CONSERVATION DIVISION Signature: Approved by District Supervisor: Jocelyn Harimon Title: Environmental Regulatory Agent Approval Date: O5/26/2023 Expiration Date: E-mail Address: ddolan@ypcnm.com Conditions of Approval: Attached	Dagariha Car	use of Prob	lem and Remo	edial Actio	n Taken *								
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Area around the tank showed contamination, area will be excavated and BTEX, TPH, and Chloride testing will be done, the area will be excavated and effect, 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. OIL CONSERVATION DIVISION Approved by District Supervisor: Jocelyn Harimon Title: Environmental Regulatory Agent Approved by District Supervisor: Jocelyn Harimon Conditions of Approval: Attached													
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I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to 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. OIL CONSERVATION DIVISION Signature: Approved by District Supervisor: Jocelyn Harimon Title: Environmental Regulatory Agent Approval Date: 05/26/2023 Expiration Date: Conditions of Approval: Attached	Area around	the tank sh	owed contam	ination, ar	ea will be excava - nacked to a fact	or of 8	then covered	and Chloride test with fresh caliche	e. The to	ank to repla	ce the belov	grade	tank will be
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. OIL CONSERVATION DIVISION 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	on the surface inside the tank battery area.												
regulations all operators are required to report and/or file certain release notifications and perform corrective actions to releases when may change 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. OIL CONSERVATION DIVISION 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	}				- !- t d oom	nloto t	o the heat of m	knowledge and	underst	and that nu	suent to NA	AOCD r	ules and
public health or the environment. The acceptance of a C5141 report by the NMOCD marked as "Final Report" does not relieve the operator of naturely 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. OIL CONSERVATION DIVISION	1 4 11	11		to wampet .	and/or file cortain	TOLOGE	e manucanang :	na neriami com	ciive at	TROUGHOL 10	icases wille		manifor
should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, statute water, 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. OIL CONSERVATION DIVISION Approved by District Supervisor: Jocelyn Harimon Printed Name: Dan Dolan Title: Environmental Regulatory Agent E-mail Address: ddolan@ypcnm.com Conditions of Approval: Attached	1 441 4 111		inamenant Th	a agricultur	scanfa(C≥1A1 ret	nort hv	the NMOCLUT	iarked as "rinal i	Kebort"	does not re	neve me op	ctaint o	т наонку
Signature: Approved by District Supervisor: Jocelyn Harimon Printed Name: Dan Dolan Approval Date: O5/26/2023 Expiration Date:	1 4 4 4 4 1.	4:	Karan Cailadda	adaggenta	u invactinata and	remen	iare contamina	iod inai dose a u	II Cal to	ยเบนแน พูลพ	er starace r	raioi, in	WITHIT TIOMESTE
Signature: Approved by District Supervisor: Jocelyn Harimon Printed Name: Dan Dolan Title: Environmental Regulatory Agent E-mail Address: ddolan@ypcnm.com Approval Date: 05/26/2023 Expiration Date: Conditions of Approval: Attached	federal state of local laws and/or regulations.												
Approved by District Supervisor: Jocelyn Harimon Printed Name: Dan Dolan Title: Environmental Regulatory Agent E-mail Address: ddolan@ypcnm.com Approval Date: 05/26/2023 Expiration Date: Conditions of Approval:			X)				OIL CON	ISER	VATION	DIVISI	<u>ON</u>	
Approved by District Supervisor: Jocelyn Harimon Printed Name: Dan Dolan Title: Environmental Regulatory Agent E-mail Address: ddolan@ypcnm.com Approval Date: 05/26/2023 Expiration Date: Conditions of Approval:	Signature:	1	/ /	A	1								
Title: Environmental Regulatory Agent Approval Date: 05/26/2023 Expiration Date: E-mail Address: ddolan@ypcnm.com Conditions of Approval: Attached □	Approved by District Supervisor: Jocelyn Harimon												
E-mail Address: ddolan@ypcnm.com Conditions of Approval: Attached	Printed Nan	ne: Dan Do	lan										
E-man Address. ddomacy positivosis	Title: Envir	onmental R	egulatory Age	ent			Approval D	ate: 05/26/20)23	Expiration	Date:		
							Conditions	of Approval:			Attache	d 🗆	
71 740 4101					10 4101								
Date: 02-01-05 Phone: 748-4181 * Attach Additional Sheets If Necessary	Date: 02-01	l-05 litional Sh			18-4181	,							

		Page	40 of	<u> 2</u> 00
, ID	NICE DO			

Incident ID	NCLB0525028137
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

 $This information \ must be provided \ to \ the \ appropriate \ district \ of fice \ no \ later \ than \ 90 \ days \ after \ the \ release \ discovery \ date.$

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?							
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?							
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?							
Are the lateral extents of the release overlying an unstable area such as karst geology?							
Are the lateral extents of the release within a 100-year floodplain?							
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 	3.						
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							
 							
☐ Laboratory data including chain of custody							

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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 regulations all operators are required to report and/or file certain release no public health or the environment. The acceptance of a C-141 report by the failed to adequately investigate and remediate contamination that pose a the addition, OCD acceptance of a C-141 report does not relieve the operator of and/or regulations.	tifications and perform corrective actions for releases which may endanger OCD does not relieve the operator of liability should their operations have reat to groundwater, surface water, human health or the environment. In
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:	Date:05/25/2023

Page 42 of 200

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) 							
<u>Deferral Requests Only</u> : Each of the following items must be conf	irmed as part of any request for deferral of remediation.						
Contamination must be in areas immediately under or around prodeconstruction.	duction equipment where remediation could cause a major facility						
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 rules and regulations all operators are required to report and/or file ce which may endanger public health or the environment. The acceptan liability should their operations have failed to adequately investigate surface water, human health or the environment. In addition, OCD acresponsibility for compliance with any other federal, state, or local lateral contents and complete rules and responsibility for compliance with any other federal, state, or local lateral contents and complete rules and regulations all operators are required to report and/or file certain the environment.	ertain release notifications and perform corrective actions for releases ce of a C-141 report by the OCD does not relieve the operator of and remediate contamination that pose a threat to groundwater, ecceptance of a C-141 report does not relieve the operator of						
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:	Date:05/25/2023						
Approved Approved with Attached Conditions of A	pproval Denied Deferral Approved						
Signature: Ashley Maxwell I	Date: 11/02/2023						



	EOG Resource T NUMBER 53				Fax: (512)335			Mexic	0	
	TARTED 9/27/2		CON	/IPLETI	ED 9/27/22	GROUND WATER LEVELS:	Dny			
		-				AT TIME OF DRILLING✓ AFTER DRILLING 84.)/2022		
	D BY William K				BY Patrick Finn 667°	 BTOC = Below Top Of GB = Grab Sample GEO = Geotech Sampl 				
(£)	SOIL SAMPLE ANALYSIS	GROUNDWATER LEVELS (BTOC)	GRAPHIC LOG		1	MATERIAL DESCRIPTION		Casin		VELL DIAGRAM De: 2" Diameter Tem
5 -				5.0	Topsoil/Silt, soft			Oddin	9 1 71	56. 2 Biameter Ten
0 -					(GM) Silty Gravel,	brown, rounded to subrounded, d	ry	1		
5 -				15.0	(ML) Clayey Silt, re	eddish-brown, soft to stiff, <10% g	ravel, dry			
25 -				25.0	(ML) Silt, reddish-b	prown, soft, dry				
5 -				25.0	(ML) Clayey Silt, w	hite to tan, stiff, dry		1		
15 - 50 - 55 - 60 - 70 - 75 -				50.0	(ML) Clayey Sandy gravel, damp	y Silt, reddish-brown, <10% grave	I, very fine	-		Riser
30 - 35 - 90 -		$ar{m{\Lambda}}$		90.0	- Moist to possibly	saturated below 80'				
05 -				00.0	(CL) Clay, gray, sti	iff, moist to possibly saturated				
00										Town - married 144
				105.0						Temporary We Screen
					Bottom of boreh	ole at 105.0 feet Dry upon comp	pletion			
					evaluated the te utilizing a Heron was detected in approximately 8- the completion of	after completion, Ranger personna mporary well for the presence of v Instruments electronic water met the temporary well at a depth of 4.7 feet below ground surface. Fo of the investigation, the temporary ged and abandoned.	water er. Water llowing			

1	RANGER
	ENVIRONMENTAL SERVICES, LLC

Ranger Environmental Services, LLC P.O. Box 201179,

Austin, Texas 78720

BORING NUMBER B-1.A

ENVIRONMENTAL SERVICES, LLC	Phone: (512)335-1785 Fax: (512)335-0527
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 DRILLING CONTRACTOR HCI	4/25/23 GROUND WATER LEVELS: AT TIME OF DRILLING Dry
DRILLING METHOD Air Rotary	AFTER DRILLING Dry
LOGGED BY Will Kierdorf CHECKED BY GPS COORDINATES	
DEPTH (ft) ill SAMPLE NNALYSIS DUNDWATER FELS (BTOC) ID (In ppm) SRAPHIC LOG	MATERIAL DESCRIPTION WELL DIAGRAM

GRO LEV SO Casing Type: 2" Diameter Temp. Well (ML-GM) Gravelly Silt, light gray to brown gray, soft, weathered, friable, minor clay and sand, subrounded gravel, dry, caliche 5 0 10 0 (GM-GC) Silty Gravel, light gray, pebbles, fine to coarse grained, ENVIRONMENTAL BH - GINT STD US GDT - 5/9/23 15:18 - R:\DRAFTING FILES\GINT LOGS\5375 - SCOUT EH FEDERAL #6 - BORING LOGS\GPJ subrounded, <2" diameter, poorly sorted, minor clay and sand, 15 0 (ML-GM) Gravelly Silt, light gray, medium soft, weathered, friable, dry, clayey 20 0 25 0 (ML) Clayey Silt, light gray, medium stiff, dry, friable, cemented in parts, gravelly Conglomerate, light gray, hard, gravelly 30 0 (ML) Clayey Silt, light red-brown, stiff, dry, low plasticity, friable, cemented in part 35 0 40.0 40 0 (ML) Silt, light red-brown, low plasticity, soft, damp, minor sand, cemented in part, clayey Riser 45 0 50 0



Ranger Environmental Services, LLC P.O. Box 201179,

PAGE 2 OF 2

BORING NUMBER B-1.A

Austin, Texas 78720 Phone: (512)335-1785 Fax: (512)335-0527

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

PROJECT NUMBER 5375 PROJECT LOCATION Eddy County, New Mexico

	PROJI	ECT NUM	PROJECT LOCATION Eddy County, New Mexico			
	25 DEPTH (ft)	SOIL SAMPLE ANALYSIS	GROUNDWATER LEVELS (BTOC)	PID (In ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION WELL DIAGRAM
-				0		(ML) Silt, light red-brown, low plasticity, soft, damp, minor sand, cemented in part, clayey <i>(continued)</i>
ŀ						
	60	GB		0		
ł	65			0	1111	65.0
	 					(SM) Silty Sand, light gray to brown, very fine to fine grained, poorly graded, loose, minor clay, cemented siltstone in part
-	70			0		70.0 (ML) Silt/Siltstone, light gray, very fine grained,minor clay, sandy
-						at top, more siltstone with depth
S.GPJ	75			0		75.0 (ML) Clayey Silt, dark gray, stiff, damp
907 9						(WL) Clayey Silt, dark gray, still, damp
BORIN	 80			0		
√L #6 -		GB		0		Field Chloride = 300 mg/Kg
EDER/	_					
TEH	85					85.0 (CL) Silty Clay, dark gray, stiff, damp, plastic, minor sand, poor recovery below 85'
scon						recovery below 85'
ES/GINT LOGS/5375 - SCOUT EH FEDERAL #6 - BORING LOGS.GPJ	90					
LOGS						
S\GINT						
G FILE	95					Temporary Well Screen
SAFTIN						
-R:\DF	100					
3 15:18						
- 5/9/23	105					105.0
GDT.	100		L			Bottom of borehole at 105.0 feet.
STD US	Note: 72 hours after completion, Ranger personnel evaluated the temporary well for the presence of water					
ENVIRONMENTAL BH - GINT STD US.GDT - 5/9/23 15:18 - R.DRAFTING FIL						utilizing an electronic water level meter. The well was found to be dry.
L BH-						to be dry.
MENTA						
/IRON						
Σ						



Ranger Environmental Services, LLC P.O. Box 201179,

P.O. Box 201179, Austin, Texas 78720 Phone: (512)335-1785 BORING NUMBER B-3.A

GBS COOPDINATES GB = Grab Sample						
GEO = Geotech Sample						
о ОЕРТН (ft)	SOIL SAMPLE ANALYSIS	GROUNDWATER LEVELS (BTOC)	PID (In ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM Casing Type: 2" Diameter Temp. Well
				999	(ML-GM) Gravelly Silt, light gray to brown gray, soft, weathered,	
5			0		friable, minor clay and sand, grades to sandy silt, dry, caliche	
10			0	. Ja Ja	10.0	484 84
25.					(ML) Silt, soft, weathered, light brown, friable, gravelly and sandy, minor clay, dry	
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			
35			0		(ML) Silt, tan, red-brown, clayey, medium stiff, dry, moderately plastic, minor conglomerate inclusions, sandy, minor cemented portions, moist	
40	GB		0			Riser
45			0			
15 15 20 25 30 40 45 50 50 45 50 50 50 50 50 50 50 50 50 50 50 50 50			0			
55						<u> [194] </u>



Ranger Environmental Services, LLC P.O. Box 201179,

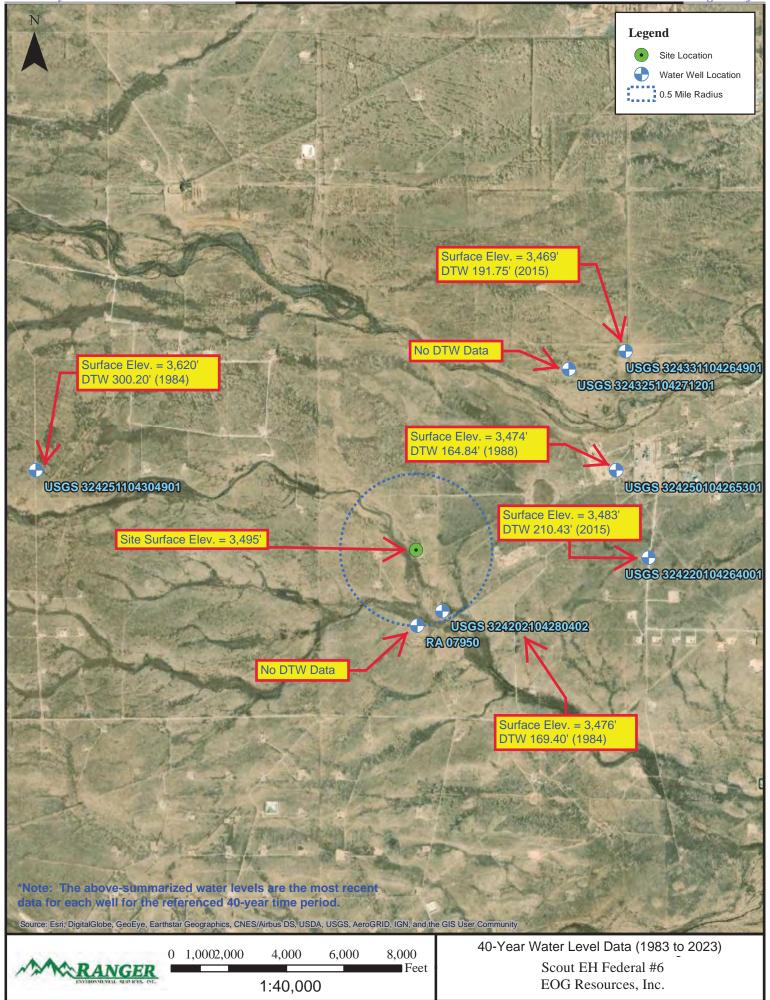
BORING NUMBER B-3.A PAGE 2 OF 2

Austin, Texas 78720 Phone: (512)335-1785 Fax: (512)335-0527

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

PROJECT NUMBER 5375 PROJECT LOCATION Eddy County, New Mexico

	PROJECT NUMBER 5375 PROJECT LOCATION Eddy County, New					MEXICO	
	OEPTH (ft)	SOIL SAMPLE ANALYSIS	GROUNDWATER LEVELS (BTOC)	PID (In ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
				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			
		GB	$ar{ar{A}}$	Ü			
GS.GPJ	- 75 		-	0	75.0	(ML) Clayey Silt, dark gray to medium brown, medium soft to	
ORING LC						stiff, damp	
3AL #6 - B	80	GB		0			
EH FEDE	85			0	85.0		
S - SCOUT						(CL) Silty Clay, gray-brown, stiff, damp, plastic, minor sand throughout	
ES\GINT LOGS\5375 - SCOUT EH FEDERAL #6 - BORING LOGS.GPJ	90			0			
ES/GINT L	 - ₉₅ -			•			
FTING FIL				U			Temporary Well Screen
8 - R:\DRA	100			0		Silty Clay, as above	
ENVIRONMENTAL BH - GINT STD US.GDT - 5/9/23 15:18 - R.DRAFTING FIL							
- E	105			0	105	.d Bottom of borehole at 105.0 feet.	
US.G						Note: 72 hours after completion, Ranger personnel	
STD.		evaluated the temporary well for the presence of water					r
-GINT						utilizing an electronic water level meter. Water was detected at a depth of approximately 73.18' bgs.	
L BH.							
AENTA							
IRONA							
EN							





National Water Information System: Web Interface

USGS Water Resources	Data Category:	Geographic Area:		
5565 Water Resources	Groundwater ~	United States	~	GO

Click to hideNews Bulletins

- Explore the NEW <u>USGS National Water Dashboard</u> interactive map to access realtime water <u>data</u> 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 =

• 324202104280402

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 324202104280402 18S.25E.34.43444 A

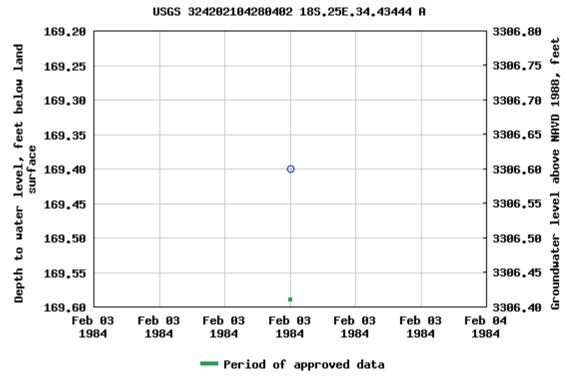
Available data for this site	Groundwater:	Field measurements	~	GO				
Eddy County, New Mexico								
Hydrologic Unit Code 13060011								
Latitude 32°42'02", Longitude 104°28'04" NAD27								
Land-surface elevation 3,4	76 feet abo	ve NAVD88						

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.

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



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Title: Groundwater for USA: Water Levels

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

Page Contact Information: <u>USGS Water Data Support Team</u>

Page Last Modified: 2022-05-19 14:46:11 EDT

0.69 0.62 nadww01





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

RA 07950

3 4 34 18S 25E

. Y

549620 3618059*

9

Driller License:

Driller Company:

Driller Name:

Drill Start Date:

Log File Date:

Plug Date:

PCW Rev Date:

Source:

Pump Type: Pipe Discharge Size: Estimated Yield: Casing Size: Depth Well: Depth Water:

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

8/23/22 3:27 PM

POINT OF DIVERSION SUMMARY

^{*}UTM location was derived from PLSS - see Help



National Water Information System: Web Interface

USGS Water Resources	Data Category:	Geographic Area:		
5565 Water Resources	Groundwater ~	United States	G	0

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Search Results -- 1 sites found

site no list =

• 324250104265301

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

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

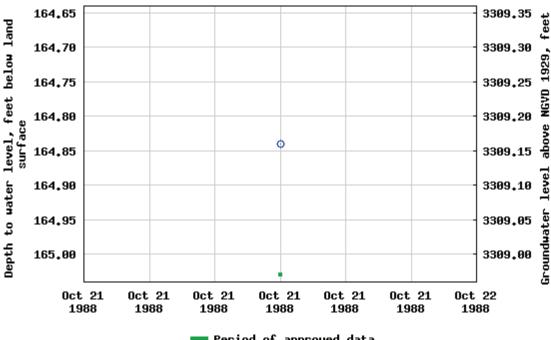
The depth of the well is 455.00 feet below land surface.

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

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

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

USGS 324250104265301 185,25E,26,44231



Period of approved data

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Title: Groundwater for USA: Water Levels

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

Page Contact Information: <u>USGS Water Data Support Team</u>

Page Last Modified: 2022-08-23 17:12:26 EDT

0.57 0.49 nadww01





National Water Information System: Web Interface

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oodo water kesoarees	Groundwater	V	United States	\	GO

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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

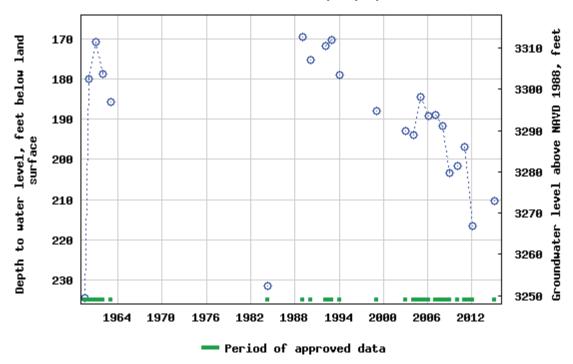
The depth of the well is 430 feet below land surface.

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.

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

USGS 324220104264001 185,25E,36,313223



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Page Last Modified: 2022-08-23 17:15:20 EDT

0.63 0.53 nadww01





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USGS Water Resources	Data Category:		Geographic Area:		
5565 Water Resources	Groundwater	\	United States	\	GO

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Search Results -- 1 sites found

site no list =

• 324331104264901

Minimum number of levels = 1

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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

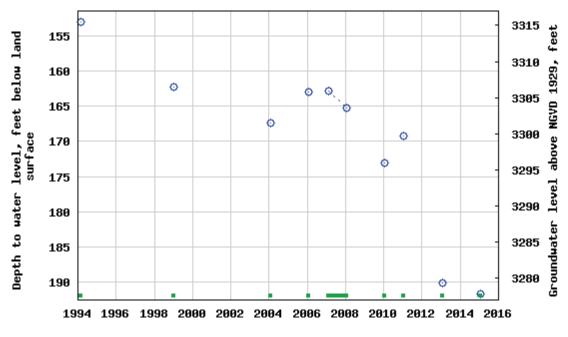
The depth of the well is 250.00 feet below land surface.

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

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

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

USGS 324331104264901 185,25E,26,22223



- Period of approved data

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Page Contact Information: <u>USGS Water Data Support Team</u>

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0.57 0.49 nadww01





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USGS Water Resources	Data Category:		Geographic Area:			
5565 Water Resources	Groundwater >	/	United States	\	GO	

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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

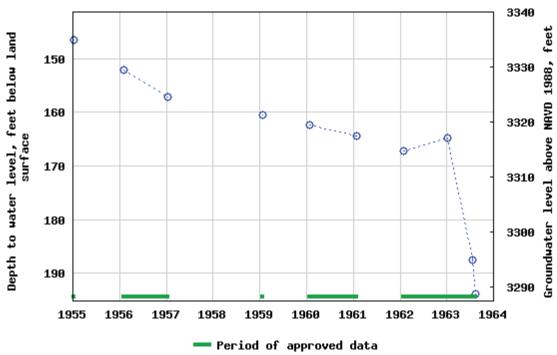
The depth of the well is 200 feet below land surface.

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.

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





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0.57 0.49 nadww01





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5565 Water Resources	Groundwater	V	United States	\	GO

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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

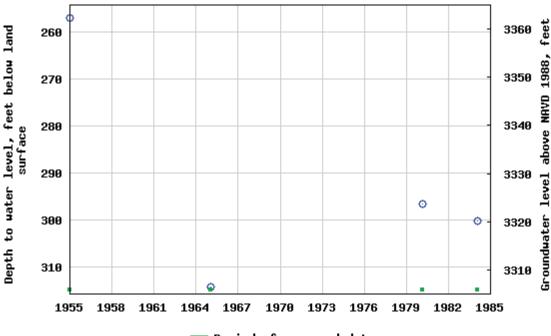
The depth of the well is 425 feet below land surface.

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.

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

USGS 324251104304901 185,25E,32,11114



- Period of approved data

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Page Contact Information: <u>USGS Water Data Support Team</u>

Page Last Modified: 2022-08-23 17:16:36 EDT

0.58 0.52 nadww01





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.





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/ga/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.

Celey D. Keine

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



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	% 71.5-13	4						
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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



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: Sample Received By: Tamara Oldaker

Project Location: EOG - EDDY COUNTY, NM

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

BTEX 8021B	mg	/kg	Analyze	ed 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	% 71.5-13	4						
Chloride, SM4500CI-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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110	% 49.1-14	8						

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

EOG - EDDY COUNTY, NM Project Location:

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

BTEX 8021B	mg/	'kg	Analyze	d 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 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d 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	Analyze	d 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 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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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

EOG - EDDY COUNTY, NM Project Location:

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

BTEX 8021B	mg/	'kg	Analyze	d 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 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102 9	% 49.1-14	8						

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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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



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: Sample Received By: Tamara Oldaker

Project Location: EOG - EDDY COUNTY, NM

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

BTEX 8021B	mg	/kg	Analyze	d 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	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



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

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Celey D. Keene

Plana for written changes to 575-393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



101 East Marland, Hobbs, NM 88240

	(575) 393-2326 FAX (575) 393-2476	X (575) 393-247	76			1	1		1	1	1				1					5	ō	밁	RECHEST	Ī,	4					_
ompany Name:	Ranger Environmental Services, LLC	ital Services, LLC									2000	18	BILL TO					1,	ANALIOIO	1	- 0	17	16	1	13	+				
roject Manager:	Will Kierdorf								P.C	P.O. #:											_					_				
ddress:	PO Box 201179			1				1	Co	mpa	Company:		EOG Artesia								_					_				
ity: Austin		State: TX 2	Zip: 78720	872	0				Attn:	2	Cha	se S	Chase Settle													_				
#	512-289-3272	Fax #:	512-335-0527	35-0	0527	1		-	Ad	dre	SS	2	Address: 104 S. 4th St.								_					_				
roject #: 5375		Project Owner:							City:		Artesia										_					_				
roject Name: S	roject Name: Scout EH Federal #6								Sta	ate:	State: NM	1	Zip: 88210								_									
roject Location:	Eddy County, NM								Ph	Phone #:	*										_					_				
ampler Name:		Kierdorf							Fa	Fax #:											_					_				
sampler Name:	N. PYOOGDOIN O. VV.	Nichari	4	4		×	MATRIX	×	1	PR	PRESERV.	R	SAMPLING	G							_					_				
Lab I.D.	Sample I.D.		G)RAB OR (C)OMP.	CONTAINERS	SROUNDWATER NASTEWATER		OIL	SLUDGE	OTHER:	ACID/BASE:	CE / COOL	OTHER:	DATE	TIME	TPH: (8015) EXT	BTEX (8021B)	Chloride (SM 4500)													1
DOOCOLL	B-1 A/60'			_			41.211			1	×		4/25/2023	1320	×	×	×				1		-			+			1	
7 1	R-1 A/80'		0	-		×					×		4/25/2023	Se	×	×	×			T	-		+			+				
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4	B-3.A/70'		G	4		×	^				×		4/25/2023	0955	×	×	×			T	-		+			-	T			
	B-3,A/80'		6			×					×		4/25/2023	1030	×	×	×													
PLEASE NOTE: Liability and Dan analyses. All claims including those service. In no event shall Cardinal	rages. Cardinal's liability and clie e for negligence and any other o be liable for incidental or conseq	nfa exclusive remody for any claim arising wheth ause whatsoever shall be deemed waived unless questal damages, including without limitation, but	claim and	areing whether based in contract or tort, shall be waived unless made in writing and received by Ca limitation, business interruptions, loss of use, or lo	hethor I	based age in	writing	and s	lot.	hall be	Smith ardinal oss of	ted to the aloo of the abo	struct or jot, shall be limited to the amount paid by the client for the grand received by Cardinal within 30 days after completion of the ar- ores, loss of use, or loss of profile recurred by client, its subsidiaries, or the control of the above stated resistors or otherwise.	e client for the pletion of the appl is subsidianes, or otherwise.	cable															
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Delivered By: (Circle One) Sampleton MBS6RBys - Other:		2.5° /1.9°	1 0	(2 9 CM	0 10	Sample Condition Cool Intact Dives Dives	No les	Condi	No es itior	-	1 9	(in)	CHECKED BY: (Initials)								1		1	1	1					





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

Indes

4901 Hawkins NE

Albuquerque, NM 87109

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	0 11/22/2022 3:06:23 PM	71617
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				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.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- QL 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

Page 1 of 10

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 ORG	SANICS				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.
- 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

Page 2 of 10

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 ORG	GANICS				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.
- 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

Page 3 of 10

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 ORG	SANICS				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.
- 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

Page 4 of 10

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	h
EPA METHOD 300.0: ANIONS					Analyst: NAI	
Chloride	2900	150	mg/Kg	50	11/22/2022 3:31:11 PM 71617	7
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: DGH	
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	11/18/2022 7:42:21 PM 71567	7
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	11/18/2022 7:42:21 PM 71567	7
Surr: DNOP	123	21-129	%Rec	1	11/18/2022 7:42:21 PM 71567	7
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	6
Surr: BFB	89.4	37.7-212	%Rec	1	11/19/2022 10:59:14 AM 71556	ô
EPA METHOD 8021B: VOLATILES					Analyst: NSB	
Benzene	ND	0.024	mg/Kg	1	11/19/2022 10:59:14 AM 71556	6
Toluene	ND	0.048	mg/Kg	1	11/19/2022 10:59:14 AM 71556	ô
Ethylbenzene	ND	0.048	mg/Kg	1	11/19/2022 10:59:14 AM 71556	ô
Xylenes, Total	ND	0.095	mg/Kg	1	11/19/2022 10:59:14 AM 71556	ô
Surr: 4-Bromofluorobenzene	94.5	70-130	%Rec	1	11/19/2022 10:59:14 AM 71556	6

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

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

ple pH Not In Range
Outling Limit Page 5 of 10

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 ORG	SANICS				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.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- QL 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

Page 6 of 10

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

Page 7 of 10

Hall Environmental Analysis Laboratory, Inc.

WO#: **2211807**

30-Nov-22

Client: EOG

Project: Scout EH Federal 6

SampT	уре: МЕ	BLK	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	Organics	
Batch	n ID: 71	567	R	tunNo: 92	2689				
Analysis D	ate: 11	/18/2022	S	SeqNo: 3	337335	Units: mg/K	g		
Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
ND	15								
ND	50								
16		10.00		161	21	129			S
	Batch Analysis D Result ND ND	Batch ID: 719 Analysis Date: 11 Result PQL ND 15 ND 50	ND 15 ND 50	Batch ID: 71567 R Analysis Date: 11/18/2022 S Result PQL SPK value SPK Ref Val ND 15 ND 50	Batch ID: 71567 RunNo: 9. Analysis Date: 11/18/2022 SeqNo: 3. Result PQL SPK value SPK Ref Val %REC ND 15 ND 50	Batch ID: 71567 RunNo: 92689 Analysis Date: 11/18/2022 SeqNo: 3337335 Result PQL SPK value SPK Ref Val %REC LowLimit ND 15 ND 50	Batch ID: 71567 RunNo: 92689 Analysis Date: 11/18/2022 SeqNo: 3337335 Units: mg/K Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit ND 15 ND 50	Batch ID: 71567 RunNo: 92689 Analysis Date: 11/18/2022 SeqNo: 3337335 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD ND 15 ND 50	Batch ID: 71567 RunNo: 92689 Analysis Date: 11/18/2022 SeqNo: 3337335 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit ND 15 ND 50

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

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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: Ics-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

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Hall Environmental Analysis Laboratory, Inc.

0.97

WO#: **2211807**

30-Nov-22

Client: EOG

Surr: 4-Bromofluorobenzene

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 **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual ND 0.025 Benzene Toluene ND 0.050 ND 0.050 Ethylbenzene Xylenes, Total ND 0.10

97.1

70

130

Sample ID: LCS-71556	Samp ⁻	Гуре: LC	s	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batc	h ID: 71 !	556	F	RunNo: 9	2694				
Prep Date: 11/16/2022	Analysis [Date: 11	/19/2022	S	SeqNo: 3	335534	Units: mg/K	g		
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			

1.000

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

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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107

Sample Log-In Check List

Released to Imaging: 11/2/2023 1:15:06 PM

Website: www.hallenvironmental.com RcptNo: 1 Client Name: **EOG** Work Order Number: 2211807 Gunay 5 11/15/2022 7:30:00 AM Received By: Juan Rojas Completed By: Sean Livingston 11/15/2022 8:57:52 AM Reviewed By: 11-15-20 KPG Chain of Custody No \square Not Present 1. Is Chain of Custody complete? Yes 🔽 2. How was the sample delivered? Courier Log In 3. Was an attempt made to cool the samples? No 🗌 NA 🔲 Yes V No 🗌 NA 🗌 Were all samples received at a temperature of >0° C to 6.0°C Yes 🔽 Sample(s) in proper container(s)? Yes 🔽 No 🗌 Yes 🔽 6. Sufficient sample volume for indicated test(s)? Yes 🗸 Νo 7. Are samples (except VOA and ONG) properly preserved? No 🗹 NA 🗌 Yes 🗌 8. Was preservative added to bottles? No 🗌 NA 🔽 Yes 🗌 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes ∐ No 🗹 10. Were any sample containers received broken? # of preserved bottles checked No 🗆 for pH: Yes 🗹 11. Does paperwork match bottle labels? (<2 or >12 unless noted) (Note discrepancies on chain of custody) Adjusted? Yes 🔽 No 🗌 12. Are matrices correctly identified on Chain of Custody? No 🗌 Yes 🔽 13. Is it clear what analyses were requested? mults Checked by: 14. Were all holding times able to be met? Yes 🔽 No 📙 (If no, notify customer for authorization.) Special Handling (if applicable) Yes 🗌 15. Was client notified of all discrepancies with this order? 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 0.3 Good

Received by CRB 1 H- SHIP LISTER W Record Client: EOG-Artesia / Ranger Env	E	Page 90 of 2 HALL ENVIRONMENTAL
	A Standard KRush らっぱなてみて Project Name:	ANALYSIS LABORATORY
Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210	Scout Et Racia #6	www.hallenvironmental.com
Ranger: PO Box 201179, Austin TX 78720	Project #: 5375	Tel. 505-345-3975 Fax 505-345-4107
Phone #: 521-335-1785		Inal
email or Fax#: Will@RangerEnv.com	Project Manager: W. Kierdorf	
QA/QC Package: Standard Level 4 (Full Validation)		ОЯМ /
Accreditation: ☐ Az Compliance ■ NELAC ☐ Other	Sampler: W. Leane de	
■ EDD (Type) Excel		ORO
	Ip(including OF): しろ-0=0-3	JPD(
Date Time Matrix Sample Name	Container Preservative HEAL No. X	
11/2/2/2000 Sal B-1/45	1 x yes to ICE 301 X	X X
1042 1 130		
1059 6-2/10		
	100	
) 500	
	1	うく
5		
Time: Relinquished by:	Date Time	Remarks: Bill to EOG Artesia
8	4	
Re	Received by: Via: Date Time	
Italian Com	2 Course 11/15/22 7830	
	the second section of the second section of the second section is a second section of the second section in the second section is a second section of the second section of the second section is a second section of the second section of the second section of the second section of the section of	

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



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

and st

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order **2211053**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 11/7/2022

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					Analys	: JMT
Chloride	7500	300	mg/Kg	100	11/3/2022 4:50:08 PM	71230
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analys	: 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					Analys	: 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					Analys	:: 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.
- 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

Page 1 of 8

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	:: ЈМТ
Chloride	8300	300	mg/Kg	100	11/3/2022 5:02:29 PM	71230
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				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.
- 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

Page 2 of 8

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 ORG	SANICS					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.
- 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
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Page 3 of 8

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 ORG	GANICS					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.
- 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
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Page 4 of 8

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: Ics 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 Quantitative 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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2211053** *07-Nov-22*

Client: EOG

Prep Date:

Project: Scout EH Fed 6

11/2/2022

Motor Oil Range Organics (MRO)

Sample ID: LCS-71228 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 71228 RunNo: 92253 Units: mg/Kg Prep Date: 11/2/2022 Analysis Date: 11/2/2022 SeqNo: 3313728 PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte Result LowLimit Qual Diesel Range Organics (DRO) 43 15 50.00 n 86.0 64.4 127 Surr: DNOP 5.1 5.000 101 21 129

SeqNo: 3313729

LowLimit

Units: mg/Kg

%RPD

RPDLimit

Qual

HighLimit

Sample ID: MB-71228 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS Batch ID: 71228 RunNo: 92253

Analyte Result PQL SPK value SPK Ref Val %REC

Diesel Range Organics (DRO) ND 15

ND

Surr: DNOP 9.9 10.00 98.8 21 129

Analysis Date: 11/2/2022

50

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

Page 6 of 8

Hall Environmental Analysis Laboratory, Inc.

WO#: **2211053** *07-Nov-22*

Client: EOG

Surr: BFB

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 Ics SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

1000

Client ID: LCSS Batch ID: G92280 RunNo: 92280

1800

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

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
- 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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2211053**

07-Nov-22

Client: EOG

Project: Scout EH Fed 6

Sample ID: mb	SampType: MBLK			Tes						
Client ID: PBS	Batch ID: B92280			RunNo: 92280						
Prep Date:	Analysis Date: 11/2/2022			SeqNo: 3314589			Units: mg/K	g		
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	Samp ⁻	SampType: LCS TestCode: EPA Method						1 8021B: Volatiles					
Client ID: LCSS	Batc	h ID: B9 :	2280	F	RunNo: 9								
Prep Date:	Analysis [Date: 11	/2/2022	(SeqNo: 3	314590	Units: mg/K	g					
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
- 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

Page 8 of 8

Hall Environmental Analysis Laboratory
4901 Hawkins NE

Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

Sample Log-In Check List

Released to Imaging: 11/2/2023 1:15:06 PM

Website: www.hallenvironmental.com Client Name: **EOG** Work Order Number: 2211053 RcptNo: 1 Received By: Tracy Casarrubias 11/2/2022 7:20:00 AM Chul Completed By: 11/2/2022 8:05:58 AM Cheyenne Cason Reviewed By: Chain of Custody No 🗌 Not Present 1. Is Chain of Custody complete? Yes 🗹 2 How was the sample delivered? Courier Log In NA 🗌 3. Was an attempt made to cool the samples? Yes 🔽 No 🗌 No 🗸 NA 🗀 4. Were all samples received at a temperature of >0° C to 6.0°C Yes 🔲 Samples not frozen 5. Sample(s) in proper container(s)? Yes 🗸 No Sufficient sample volume for indicated test(s)? Yes 🗸 7. Are samples (except VOA and ONG) properly preserved? ~ No Yes 8. Was preservative added to bottles? Yes 🗌 No 🗸 NA 🗌 NA 🗸 Yes 🗍 No 🗌 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes No **⊻** 10. Were any sample containers received broken? # of preserved bottles checked for pH: Yes 🔽 No 🔲 11. Does paperwork match bottle labels? (<2 or >12 unless noted) (Note discrepancies on chain of custody) Adjusted? Yes 🗹 No [12. Are matrices correctly identified on Chain of Custody? No 🗌 13. Is it clear what analyses were requested? V Yes No 🔲 14. Were all holding times able to be met? Yes 🔽 (If no, notify customer for authorization.) Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? Yes 🗌 No 🗌 NA 🔽 Person Notified: Date: By Whom: eMail Phone Fax In Person Regarding: Client Instructions:

16. Additional remarks:

17. Cooler Information

Coole	r No Temp ºC	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				1000

Received by COSBINISON CLISTING W Record	Turn-Around Time:	Page 101 of 2
Client: EOG-Artesia / Ranger Env.	□ Standard □ Standard	HALL ENVIRONMENTAL
		A DESCRIPTION OF THE PROPERTY
Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210	Short Mit Fig Ho	WWWauenvilorimental.com
Ranger: PO Box 201179, Austin TX 78720		Tel. 505-345-3975 Fax 505-345-4107
Phone #: 521-335-1785		Analysis
email or Fax#: Will@RangerEnv.com	Project Manager: W. Kierdorf	(4
QA/QC Package: ■ Standard □ Level 4 (Full Validation)) MRC
Accreditation: ☐ Az Compliance ■ NELAC ☐ Other	Sampler: W. /Connely if My for ele	
■ EDD (Type) Excel	olers: 5	วษย
	Cooler Tempinaturing CF): S 99 CM 84KMS+	12D(c
Date Time Matrix Sample Name	Container Preservative HEAL No. Type and # Type	BTEX (8
14012 148 Soil THI/19		\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\
1 1423 1 74-120	,	
(520 74-2/12	1003	
7/2-7/	7	→
Date: Time: Relinquished by:	Via: Date Time	Remarks: Bill to EOG Artesia
22/15	2	
Cate: Time: Relinquished by:	Viacector	
"In the manner of	11/1/12	

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



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/ga/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.

Celey D. Keene

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



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)

Chioride, SM4500CI-B	mg	/kg	Anaiyze	а ву: АС					
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-R

Chioriac, Sint-Souch B	ıııg/	Ng	Allalyzo	a 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	

Analyzed By: AC

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

Chloride, SM4500Cl-B	4500Cl-B mg/kg		Analyze	d 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, SM4500CI-B	mg/	/kg	Analyze	d 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	

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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

Chloride, SM4500CI-B	mg	/kg	Analyze	d 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	Analyze						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
a	4960	16.0	03/08/2019	ND	432	108	400	7.69	
Chloride	4960	16.0	03/00/2019	ND	732	100	100	7.05	
			03/00/2019	ND	1 32	100	100	7.03	
Sample ID: RSL - 2 / 2'		07)	, ,	d By: AC	1 32	100	100	7.03	
Sample ID: RSL - 2 / 2'	- 3' (H900921-	07)	, ,		BS	% Recovery	True Value QC	RPD	Qualifier
Sample ID: RSL - 2 / 2' - Chloride, SM4500Cl-B	- 3' (H900921- mg	07) /kg	Analyze	d By: AC					Qualifier
Sample ID: RSL - 2 / 2' - Chloride, SM4500CI-B Analyte	- 3' (H900921- mg, Result 7600	07) /kg Reporting Limit 16.0	Analyze Analyzed	d By: AC Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Sample ID: RSL - 2 / 2' - Chloride, SM4500CI-B Analyte Chloride	- 3' (H900921- mg, Result 7600	07) /kg Reporting Limit 16.0	Analyzed 03/08/2019	d By: AC Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Sample ID: RSL - 2 / 2' - Chloride, SM4500Cl-B Analyte Chloride Sample ID: RSL - 2 / 3' -	- 3' (H900921- mg, Result 7600	07) /kg Reporting Limit 16.0	Analyzed 03/08/2019	d By: AC Method Blank ND	BS	% Recovery	True Value QC	RPD	Qualifiei Qualifiei

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

Chloride, SM4500Cl-B	` mg,	/kg	Analyze	d 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

Chloride, SM4500CI-B	mg	/kg	Analyze	d 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, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Analyte Chloride	Result		Analyzed 03/08/2019	Method Blank	BS 416	% Recovery	True Value QC 400	RPD 0.00	Qualifier
,		Reporting Limit	,			,	•		Qualifier

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	g 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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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 - 4 / 2' - 3' (H900921-15)

mg/kg		Analyzed By: AC						
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
5600	16.0	03/08/2019	ND	416	104	400	0.00	
H900921-:	16)							
mg,	/kg	Analyze	d By: AC					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
2520	16.0	03/08/2019	ND	416	104	400	0.00	
	-	Analyze	d By: AC					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
1070	16.0	03/08/2019	ND	416	104	400	0.00	•
H900921-:	18)							
mg,	/kg	Analyze	d By: AC					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
688	16.0	03/08/2019	ND	416	104	400	0.00	
H900921-:	19)							
mg	/kg	Analyze	d By: AC					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
	5600 H900921-: mg, Result 2520 H900921-: mg, Result 1070 H900921-: mg, Result 688	The state of the	### 16.0	### 16.0	### 16.0	H900921-16 H900921-16 Method Blank BS % Recovery	#900921-16) mg/kg Analyzed By: AC Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC 2520 16.0 03/08/2019 ND 416 104 400 #900921-17) mg/kg Analyzed By: AC Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC 1070 16.0 03/08/2019 ND 416 104 400 #900921-18) mg/kg Analyzed By: AC Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC #900921-18) mg/kg Analyzed By: AC Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC 1070 16.0 03/08/2019 ND 416 104 400 #900921-19) mg/kg Analyzed By: AC	H900921-16 H900921-16 H900921-16 H900921-16 H900921-16 H900921-16 H900921-16 H900921-17 H900921-17 H900921-17 H900921-18 H900921-19 H90

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Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.

MAX COOK PO BOX 201179 AUSTIN TX, 78729

(512) 335-0527 Fax To:

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

Chloride, SM4500Cl-B	mg/kg		Analyze	d By: AC					
Analyte	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)							
Sample ID: RSL - 6 / 0' - Chloride, SM4500Cl-B	- 1' (H900921- mg,	-	Analyze	d By: AC					
•	•	-	Analyze Analyzed	d By: AC Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

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

Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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, SM4500CI-B	mg,	/kg	Analyze	d 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	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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Celeg D. Keene



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 - 7 / 0' - 1' (H900921-25)

Chloride, SM4500CI-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	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	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	l' (H900921-:	28)							
Chloride, SM4500CI-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	L' (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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Celey D. Keene



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 Sample Received By: Project Number: 5375 Jodi Henson

Project Location: EOG Y - ARTESIA NM

Chloride, SM4500CI-B	mg	/kg	Analyze	d 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, SM4500CI-B				d 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, SM4500CI-B	mg	/kg	Analyze	d 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, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d 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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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 - 9 / 2' - 3' (H900921-35)

Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS % Recovery	True Value QC	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, SM4500CI-B	mg	/kg	Analyze	ed 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, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d 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,	•	Analyze	d 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

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	976	16.0	03/08/2019	ND	400	100	400	3.92	
Sample ID: RSL - 11 / 0'	- 1' (H900921	-41)							
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
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	Analyze	d 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	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
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	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie

Chloride, SM4500Cl-B	` mg	/kg	Analyze						
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, SM4500CI-B	mg	/kg	Analyze	d 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, SM4500CI-B	mg	/kg	Analyze	d 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, SM4500CI-B	mg	/kg	Analyze	d 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, SM4500CI-B	mg,	/kg	Analyze	d 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, SM4500CI-B	mg,	/kg	Analyze	d 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, SM4500CI-B	mg	/kg	Analyze	d 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	l -51)							
Sample ID: RSL - 13 / 2' - Chloride, SM4500Cl-B	· 3' (H900921	-	Analyze	d By: AC					
•	•	-	Analyze Analyzed	d By: AC Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride, SM4500Cl-B	mg	/kg			BS 400	% Recovery	True Value QC 400	RPD 3.92	Qualifier

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

Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Chloride, SM4500Cl-B mg/kg			d 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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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 Sample Received By: Project Number: 5375 Jodi Henson

Project Location: EOG Y - ARTESIA NM

Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
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,	•	Analyze	d By: AC					
Chloride, SM4500CI-B Analyte	mg, Result	•	Analyze Analyzed	d By: AC Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride, SM4500CI-B Analyte Chloride		/kg			BS 400	% Recovery	True Value QC 400	RPD 3.92	Qualifie

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC	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	Chloride, SM4500Cl-B mg/kg			d 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, SM4500CI-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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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: PSI - 15 / 3' - 4' (H900921-60)

Chloride, SM4500Cl-B	(H900921 mg	•	Analyze	d Bv: AC					
·									
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	432	16.0	03/09/2019	ND	400	100	400	3.92	
Sample ID: RDS - 1 / 0' - 1' ((H900921-	61)							
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	32.0	16.0	03/09/2019	ND	400	100	400	3.92	
Sample ID: RDS - 1 / 1' - 2' ((H900921-	62)							
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	32.0	16.0	03/09/2019	ND	400	100	400	3.92	
Sample ID: RDS - 1 / 2' - 3' (H900921-	63)							
• •	H900921- mg	•	Analyze	d By: AC					
• '	•	•	Analyze Analyzed	d By: AC Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Sample ID: RDS - 1 / 2' - 3' (Chloride, SM4500Cl-B Analyte Chloride	mg	/kg	<u> </u>		BS 400	% Recovery	True Value QC 400	RPD 3.92	Qualifie
Chloride, SM4500Cl-B Analyte Chloride	Result	Reporting Limit	Analyzed	Method Blank		,			Qualifie
Chloride, SM4500Cl-B Analyte	Result	Reporting Limit 16.0 64)	Analyzed	Method Blank ND		,			Qualifie

Chloride, SM4500CI-B	` mg/	/kg	Analyze	d 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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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

784

16.0

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

Chloride, SM4500Cl-B	mg	/kg	Analyze	ed 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, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Oualifier

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

Chloride

Chloride, SM4500Cl-B	mg/	'kg	Analyze	d 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	

ND

400

100

03/09/2019

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

Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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, SM4500CI-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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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

3.92

400



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	Analyze	d 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	Analyze	d 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	-	Analyze	d 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)							
•	' (H900921- mg	•	Analyze	d By: AC					
•	•	•	Analyze Analyzed	d By: AC Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Sample ID: RDS - 4 / 0' - 1 Chloride, SM4500Cl-B Analyte Chloride	mg	/kg		-	BS 416	% Recovery	True Value QC 400	RPD 3.77	Qualifier
Chloride, SM4500Cl-B Analyte	Result 240	Reporting Limit	Analyzed	Method Blank		•			Qualifier
Chloride, SM4500Cl-B Analyte Chloride	Result 240	Reporting Limit 16.0 74)	Analyzed 03/11/2019	Method Blank		•			Qualifier
Analyte Chloride Sample ID: RDS - 4 / 1' - 2	Result 240	Reporting Limit 16.0 74)	Analyzed 03/11/2019	Method Blank ND		•			Qualifier Qualifier

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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)

, , ,	Result	Reporting Limit							
Chloride			Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
	816	16.0	03/11/2019	ND	416	104	400	3.77	
Sample ID: RDS - 4 / 3' - 4' (H90	0921-	76)							
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte F	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' (H90 Chloride, SM4500Cl-B	00921- mg/	•	Analyze	d By: AC					
Analyte F	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' (H90	0921-	78)							
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte F	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' (H90	0921-	79)							
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte F	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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Celey D. Keene



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

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
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	Analyze	d 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' - Chloride, SM4500Cl-B	2' (H900921- mg	-	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	64.0	16.0	03/11/2019	ND	416	104	400	3.77	
Sample ID: RDS - 6 / 2' - :	3' (H900921-	83)							
Chloride, SM4500CI-B	mg	/kg	Analyze	d 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' - 6									

Chloride, SM4500Cl-B	` mg,	/kg	Analyze	d 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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Celey D. Keine



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

Chloride, SM4500Cl-B	mg	/kg	Analyze	d 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	Analyze	d 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, SM4500CI-B	mg	/kg	Analyze	d 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, SM4500CI-B	mg	/kg	Analyze	d 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, SM4500CI-B	` mg,	/kg	Analyze	d 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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Celey D. Keine



Analytical Results For:

RANGER ENVIRONMENTAL SERVICES, INC.

MAX COOK PO BOX 201179 AUSTIN TX, 78729

(512) 335-0527 Fax To:

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 Sample Received By: Project Number: 5375 Jodi Henson

Project Location: EOG Y - ARTESIA NM

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

Chloride, SM4500Cl-B	mg	/kg	Analyze	d 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	Analyze	d 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	Analyze	d 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, SM4500CI-B	mg	/kg	Analyze	d 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	Analyze	d 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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Celey D. Keine



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

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Celey D. Keene, Lab Director/Quality Manager

Released to Imaging: 11/2/2023 1:15:06 PM



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

ecovery.

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



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

(6	(575) 393-2326 FAX (575) 393-2476	476			10410
Company Name:	Company Name: LANGER ENVIRONMENTAL SERVICES	ICOS, INC.			ANALYSIS REQUEST
Project Manager: אושא בספות	MAX COOK		P.O. #:		
Address: Po Sox	x 201179		Company: Gog - y QES	RESOURCES	
City: Austen	State: 7x	Zip: 78720	Attn: Egg ASHER		
Phone #: 5/2 - 335 -	1785	Fax #: 5/2-335-0527	Address: 104 5. 474 5	ST	
Project #: 5375	Project Owner:	ner:	City: ARTESEA		
Project Name: £05	5 SUM FEDERAL #6		State: ~ Zip: 88210	0	
Project Location: ARTESTA MM	ARTESTA NM		Phone #: 575 - 748 - 1471	174	
Sampler Name: W. KICCOOLF	1. KIEROOFF		Fax #:		
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING	NG	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	TIME CHLOREDE .	
	RSL-1/0'-1'	- ×	×	X 150!	
2	25-11/1-2	6 - ×	x 3/5/19	X 4501	
2,	RSL-1/21-3"	6 - ×	x 3/5/19	1054 X	
H H	RSL-1/3'-4'	٥ - *	× 3/5/19	1056 ×	
Cn.	RSL-3/0'-1'	0 - x	× 3/5/19	1101 ×	
6	RSL-3/11-2"	6 - ×	× 3/5/19	1103 X	
7	RSC-2/2'-3'	6 - ×	× 3/5/19	X Sol1	
8	RSL-3/3'-4'	€ ×	× 3/5/4	1107 ×	
2	RSC-3/0-1	۵ -	x 3/5/19	X 5611	
5	RSL-3/1'-2'	6 - *	× 3/8/19	1110 ×	
PLEASE NOTE: Liability and analyses. All claims including service. In no event shall Can affiliates or successors arising	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 toss of profits incrumed by define, its subsidiaries, affiliance or successors arising out of or related to the performance of services hereunder by Cardinal, recardless of whether such claim is based upon any of the above stated reasons or otherwise.	for any claim arising whether based in control Il be deemed waived unless made in writing a uding without limitation, business interruption by Cardinal, regardless of whether such clair	act or tort, shall be limited to the amount pai and received by Cardinal within 30 days after is, loss of use, or loss of profits incurred by a m is based upon any of the above stated re	id by the client for the er completion of the applica client, its subsidiaries, asons or otherwise.	zable
Relinquished By:	Date: 3/6/19	Received By:		Phone Result: Fax Result:	☐ Yes ☐ No Add'l Phone #: ☐ Yes ☐ No Add'l Fax #:
1	Time:	MAC		REMARKS: TE	REMARKS: TEmp BLANNS IN CONLERS - 2 COOLERS
Relinguished By:	Date: 3/6/14 Time: // 30	Received By:	Kenson	PLEASE EMA	ATL REPORT TO MAXB RANGERENV.COM &
Delivered By: (Circle One)		Sample Condition	ition CHECKED.BY:		
Sampler - UPS -	Bus - Other: 1.54 74		Yes Y		



200 10

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

Company Name:	Company Name: RANGER ENVERONMENTAL SCRUZZES, INC.	TCCS, IM.	811170		ANALYSIS REQUEST
Project Manager: MAX	MOS KOM		P.O. #:		
Address: Po Box	84110p X		Company: Ex-> RESOUCIES	ictes	
City: AnsTIN	State: てょ	X Zip: 78720	Attn: BOB ASHER		
Phone #: 512-335	-1785	Fax #: 511-335-0527	Address: 104 5, 474 5;	STREET	
Project #: 5375	Project Owner:	/ner:	City: ARTESIA		
Project Name: ≶&~	OUT FEDERAL #6		State: ~ Zip: 88 210	10	
Project Location: ANTESTA WA	: ARTESTA WA		Phone #: \$75-748 -1471	17,	
Sampler Name:	W. KIEROCRI		Fax #:		
FOR LAB USE ONLY			PRESERV. SAMPLING	NG	
Lab I.D. H900971	Sample I.D.	(G)RAB OR (C)OMI # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER: DATE	CHLOCATOE	
	RSL-3/21-31	×	×	X	
12	RSL-3/3'-4'	٥ - ×	× 3/s/19	= F	
13	RSL-4/0'-1'	6 - ×	x 3/5/19	i & x	
H H	RSC-4/11-21	Ø -	61/5/c ×	1130 ×	
15	RSL-4/2'-3'	О -	61/5/c ×	1132 ×	
9	RSL-4/3'-4'	∩ - ×		1134 X	
ī.ā	RSL -5/0'-1'	N 0	× 3/5/19	x 745!	
0	/3				
PLEASE NOTE: Liability an	RSL-S/3'-4' S 1 X 3/5//1 1533 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	S X X Y Y Y Y Y Y Y	ct or tort, shall be limited to the amount pa	1533 X	
analyses. All claims includin service. In no event shall Co affiliates or successors arisin	analyses. All claims including those for negligence and any other cause whatspever 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 consequental 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.	nall be deemed waived unless made in writing ar cluding without limitation, business Interruptions er by Cardinal, regardless of whether such clair	nd received by Cardinal within 30 days aften, loss of use, or loss of profits incurred by a based upon any of the above stated re	oplicable	
Relinquished By:	Time:	Received by:	\	Fax Result: Yes REMARKS:	No Add' Fax #:
Relinguished By:	Date:3	Received By:	lenson		
Delivered By:	Delivered By: (Circle One)	•	tion CHECKED BY:		
Sampler - UPS	Sampler - UPS - Bus - Other: 110/	Yes 4 Yes	7		



30410

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

				THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.	
Company Name:	Company Name: RANGER ENVIRON MENTAL SERVICES	ces Inc.	BILL IO		ANALTOID REGUED
Project Manager:	MAY COOK		P.O. #:		
Address: Po So	201179		Company: EDG-Y CESONALES	oncies	
City: Anstin	State: でく	Zip: 78720	Attn: 808 45MER	4.	
	535-1785 Fax#: 5/2	5/2-335-0527	Address: 104 s. 4TH	157	
Project #: 5375	Project Owner:	ner:	City: ARTESIA		
Project Name: 500	FEDERAL #6		State: NM Zip: 88219	10	
Project Location: ARTESTA NA	ARTESTA NA		Phone #: 575 -748-147/	-1471	
Sampler Name:	w. KIERODE		Fax #:		
FOR LAB USE ONLY		MATRIX		LING	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	TIME CHLOREDE	
	RSL-6/0'-1'	~ ;	×	× 8451	
22		α - ×	× 3/5/19	1850 ×	
23	ASK-6/2'-3'	€ ×	61/5/€ ×		
24	5	ด - ×	11/5/E ×		
25	14.	ଦ - ×	k /5/€ ×		
24	RSL-7/11-2"	S - X	N/5/E X	1540 ×	
27		ດ - ×	x 3/5/19	X 6451	
28	RSL-7/3'-4'	o − ×	× 3/s/19	1544 ×	
29	KSL-8/0'-1	の - ×	× 3/5/14	1559 ×	
Sp.	RSL-8/1'-2'	6 - x	1/s/e	1603 ×	
PLEASE NOTE: Liability and analyses. All claims including service. In no event shall Care	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 consequental damages, including what in third time, business interruptions, loss of the service of the ser	/ for any claim arising whether based in co ill be deemed waived unless made in writi luding without limitation, business interrup	ontract or ton, shall be limited to the amount paid by the client for the grand received by Cardinal within 30 days after completion of the grand received by Cardinal within 30 days after completion of the thors, loss of use, or loss of profits incurried by client, its subsidiaries there is the source of the above estand research or of the above es	paid by the client for the after completion of the applical by client, its subsidiaries, transcore or otherwise.	ble
Relinquished By:	Relinquished By: Date 5 16/19 Received By:	Received By:		Phone Result: Fax Result: REMARKS:	☐ Yes ☐ No Add'I Phone#: ☐ Yes ☐ No Add'I Fax#:
Relinguished By:	Date: 36	Received By:	enson		
Delivered By: (Circle One)	(Circle One)	Samp Cool	ndition CHECKED BY:		
Sampler - UPS -	- Bus - Other: 1142/ 741		es Pyes to No		



40010

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

Company Name:	Company Name: RANGER ENVIRONMENTAL SE	SCRUZZO, ENE	8/11/2		ANALYSIS REQUEST
Project Manager: MAX			P.O. #:		
Address: Po 30	80117q		Company: Ens-y resoneces	42663	
City: AUSTEN	State: 7X	Cip: 78720	Attn: 305 ASHER		
Phone #: 5/2-335-1785	1785 Fax #: 5/2-335-0527	335.0527	Address: 1045 47H ST	1	
Project #: 5375	Project Owner:	ner:	City: ALTESEA		
Project Name: 50	SCAT FEDEME #6		State: Mm Zip: 884/0	a	
Project Location: りょてとらなる	ALTESTA AUM		Phone #: 575 - 748 - 147/	171	
Sampler Name: (W, KEERDOOF		Fax #:		
			PRESERV. SAMPLING	ING	
Lab I.D. H90092	Sample I.D.	(G)RAB OR (C)OMI # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	CHLORIDE	
31	RSL-8/21-3:	×		1604 X	
32	155-8/3-41	Ø ★	x 3/5/19	1606 ×	
22	251-9/0'-1'	ω **	× 3/5/19	× 5411	
12	RSL-9/d:-3'	6 ※	× 3/s/19	X bh11	
25	RSL-9/a'-3'	Ø *~	× 3/5/19	X 0511	
36	RSL-9/3'-4'	6 ★	x 3/5/19	× 7511	
37	RSC-10/0".1"	*		X	
275	RSL-10/11-2	- 9		, ×	
Z	RSC-10/2'-3'	**		+	
PLEASE NOTE: Liability and I	40 RSC - 19 / 3 ' - 4 '	for any claim arising whether based in control If be deemed waived unless made in writing a	act or tort, shall be limited to the amount pa and received by Cardinal within 30 days aft	aid by the client for the ter completion of the applicable	
Relinquished By:	out of or related to the periodical co.	Received By:)	E:	Yes □ No Add'l Phone #: Yes □ No Add'l Fax #:
Relinquished By:	Time: 76/4	ARECEIVED BY:	Menson	REMARKS:	
Delivered By:	-	S	CHE		
Sampler - UPS -	Bus - Other: 1,4%	#97 Pres Pres	Yes		

Relinquished By:

analyses. An claims including mose for negligibile situ any curat cause evidences and to accome territoria. Service, In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, but

Date: 3/6/19 Time:

Received By-

or loss of profits incurred by client, its subsidiaries, pon any of the above stated reasons or otherwise.

Phone Result: Fax Result: REMARKS:

☐ Yes

No No

Add'l Phone #: Add'l Fax #:

Relinquished By:

Date: 3/6//19

Received By:

Time: //: 30

Defivered By: (Circle One)
Sampler - UPS - Bus - Other:



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

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Company Name:	Company Name: RANGER ENVIRONMENTAL SERVICES, INC.	WINTAL SERVETUS, 3	WC.	3/4/5	10			ANALYSIS REQUEST
Project Manager: MAX cook	wax coon			P.O. #:				
Address: Po Box	301179			Company: EG: Y RESOURCES	y resoner	165		
City: ARTESEA NM	m	State: TX Zip:	78721	Attn: 303 ASHCR	CR			
Phone #: \$[1-335-1785	5-1785	Fax #: 5/2-335 -0527	527	Address: 104 5 474	S UTH ST			
Project #: 5375		Project Owner:		City: ARTESEA	4			
Project Name: SOU FEOGRAL	OU FEOGRAL #6			State: ~~ Z	Zip: 882/0			
Project Location: ARTESSA Non				Phone #: \$75 - 748-147/	- 748-147			
Sampler Name: 4	W. KEER OOUT			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	
11	RSL-11/0'-1'			×	3/5/19 1	230	X	
47	RSL-11/11-21	ଦ	×	×	3/8/19	1234	X	
2.h	RSL-11/21-3	0	* *	×		1234	×	
E;	RSL-11/31-4"	0	×	×		1337	×	
75		6	×	×	3/5/19	1318	X	
4	RSC-12/11-21	6	×	×		1461	×	
5	RSL-12/21-3	<u>ه.</u>	×	×	3/5/19	1224	X	
5	PSC - 19/3'-4'		×	*	3/5/19	1236	X	
Ph Ph	RSL-13/01-1"	o	*** *X	×		358	X	
5	RSC-13/11-2"	0	* ×	×	3/5/19	1400	×	

Relinquished By:

service. In no event shall Cardinal be liable for incidental or consi

Relinquished By:

Date:3/6//19

Received By

Time: //:30

Sample Condition
Cool Intact
Pes Pes

Date:3/6/19 Time:

Received By

nrs, loss of use, or loss of profits incurred by client, its subsidiaries aim is based upon any of the above stated reasons or otherwise.

Phone Result: Fax Result: REMARKS:

□ Yes

□ No

Add'l Phone #: Add'l Fax #:

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Daniel Manage						The state of the s		ANALYSIS DI	PEOLIEST
Project Manager: MAX 2004	Project Manager: MAX cook	TATION TWE.		P.O. #:		1100			
Address: Po 20 0	201179			Company: EnG-Y (Esources	G-Y KESOWA	2023			
City: ABSTZ~	State:	TX Zip:	78720	Attn: 800 95HER	EL				
Phone #: 5/2-335-1785	-1785 Fax#:	512-335-0527	7	Address: 104 s	syrnsr				
Project #: 5375	Projec	Project Owner:		City: ANTISTA	3				
Project Name: 500	I FEDERAL #6			State: MM	Zip: 383/0				
Project Location: ACTESTA NA	ARTESIA NIM			Phone #: 575 - 748 - 1471	-748-14	1/5			
Sampler Name: ω .	Wierout			Fax #:					
FOR LAB USE ONLY			MATRIX	PRESERV.	SAMPLING	G			
Lab I.D. H900921	Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS	GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	DATE	TIME	CHED CIDE		
<u>ত</u>	RSC-13/2'-3"	74	×	×	3/5/19	1402	X		
52	RSC-13/31-41		×	X		1405	×		
53	RSL-14/0'-1"	61	×	Х	3/5/19	1243	×		
五	1256-14/11-2	6	×	X	3/5/19	1345	×		
25	RSL-14/21-31	6	×	×	3/5/19	1248	X		
56	251-14/3'-4"	o *<	×	×	11/5/E	0541	Х		
Z.	RSC-15/01-1	⊙	×	×	3/5/1	1332	X		
58	RSC-15/11-2	₽	х	×	61/5/5	1334	×		
2	RSL-15/21-3'	Lai	×	×	1/2/8	1337	X		
60		6	×	×	3/5/19	1340	×		

Relinquished By:

Date: 3/6/19

Phone Result:
Fax Result:
REMARKS:

☐ Yes

N N

Add'l Fax #:

Time:

Relinquished By:

Date: 3/6/

Received By

Time: //: 30

Sampler - UPS - Bus - Other: 1.40

Sample Condition
Cool Intact
Yes Tes

ECKED BY:

Delivered By: (Circle One)



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

			11 - 11 - 11 - 11 - 11 - 11 - 11 - 11	
Company Name: Ra	Company Name: RANSER ENVERONMENTAL SERVECS,	VECS, INC.	BILLIO	ANALTOID REGUES
Project Manager: MAX cook	IAX COOM		P.O. #:	
Address: PO Box .	Box 201179		Company: EAST RESOURCES	
City: Austen	State: 7x	x Zip: 78 720	Attn: 315 ASHER	
Phone #: 5/2-335-178	5 Fax #:	5/2-335-0527	Address: 1045 474 57	
Project #: 5375	Project Owner:	vner:	City: ARTELIA	
Project Name: Scow	ECOCAL #6		State: MM Zip: 83210	
Project Location: ALJESTA NM	MUZESTA NM		Phone #: 573- \$748-1471	
Sampler Name: 'V.	KIED 002/=		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	CHLORIDE
lol	ROS-1/0'-1'	-	× 3/5/19 1040	×
107	ROS-1/11-21	0 - ×	75/19 1042	×
60	ROS-1/2'-3'	0 - ×	4401 b//5/8 x	*
120	805-1/3:-4'	Ø - ×	3/5/19 to 46	×
R	205-0/0-1	о - ×	8111 b/5/6 x	×
66	RO3-2/11-4	0 - x	1111 bl/s/e x	X
67	205-2/2'-3'	0 - ×	1611 b/5/8 x	x
2	ROS-3/3:-4'	a	8811 11/5/E x	x
69	RDS-3/0'-1'	о - ×	ES#1 81/5/6 x	×
מר	205-3/11-21	0 - x	5541 1/5/c ×	×

Relinquished By

Date: 3/6//9 Time: //: 39

Sampler - UPS - Bus - Other: -Delivered By: (Circle One)

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

(57	575) 393-2326 FAX (575) 393-2476	476				8 0+ 10
Company Name: R	Company Name: RANSEN ENVERONMENTAL SERVICES, ZWE.	IKS, INL.	The second secon	BILL TO	HT XEE	ANALYSIS REQUEST
Project Manager: אאן נהסע	אל בטטע		P.O. #:	4.5		
Address: Po Box	001179		Company: 60	Company: Encry Resources		
City: AUSTIN	State: イベ	× Zip: 78720	Attn: OOU ASHER	IER		
Phone #: 5/2-335-1785		Fax #: 512-335-0527	Address: [04 5 4+H	5 47H ST		
Project #: 5376	Project Owner:	ner:	City: ALTEST 9	7.9		
Project Name: 500	J FEDERAL #6		State: MM	Zip: 86410		
Project Location: タセフモシェル ベツ	ILTESTA NIM		Phone #: 575 -	1241-872-5		
Sampler Name: 6,	KIERDONF		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	
N	RO5-3/2'-3'	- ×	×	0051 61/5/E	х	
77	RD5-3/3'-4'	ิ - ×	×	£051 61/5/E	×	
25	205-4/0-1"	€ - ×	×	6841 W/5/E	×	
76	1.4-1/4-503	∩ - ×	×	1441 11/5/8	X	
25	25-4/21-31	О - ж	×	3/5/19 1443	×	
76	ROS-4/3:-4'	€ - ×	×	9441 W/5/E	x	
ch	ROS-5/0'-1'	の - ×	×	3/5/19 1347	Х	
25	205-5/1-2	∩ - ×	×	8451 11/5/E	X	
79	ROS-5/21-3'	О - ×	×	3/5/19 1351	×	
80	205-5/31-41	о - ×	×		×	
PLEASE NOTE: Liability and Da analyses, All claims including the service. In no event shall Cardin affiliates or successors arising ou	PLEASE NOTE: Liability and Damages, Cardinat's fiability and client's exclusive remedy for any claim arising whether based in contract or lorf, shall be limited to the amount paid by the client for the analyses, In claims including those for negligence and any other cause whatsoever shall be deemed waved unless made in writing and received by Cardinal within 30 days after completion of the periodicists, in the completion of the completion of the periodicists, in the contract of the completion	y for any claim arising whether based in con all be deemed waiwed unless made in writing cluding without limitation, business interruption by Cardinal, regardless of whether such bus	ntract or tort, shall be limited g and received by Cardinal v ons, loss of use, or loss of pr laim is based upon any of th	to the amount paid by the client within 30 days after completion o ofts incurred by client, its subsice above stated reasons or other	for the f the applicable diaries, wise.	
Relinquished By:	Relinquished By: Date: 3/6/1/9 Received By: Fax Result:	16/19 Received By:	Sur is passed about our or an	Phone Result:	esult: ☐ Yes ☐ No	lo Add'l Phone #: lo Add'l Fax #:
1	Time:	1/11/1		REMARKS		



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

	(2/2) 222-2220 1 27 (2/2) 222-2410	1410			
Company Name: /	Company Name: RANGER ENVERONMENTAL SE	SERVICES, INC.		(A) (II in a train plane) that is the state of the state	ANALYSIS REQUEST
Project Manager: May conte	way cook		P.O. #:		
Address: Po Zox	6 401179		Company: Ens-y Rese	RESOMECES	
City: Anotzw	State: 7	7x Zip: 78720	Attn: 308 95462		
Phone #: 5/ 2-335-1735	Fax #:	512-335-0567	Address: /of s 474 s	ST	
Project #: 5375	Project Owner:	mer:	City: ARTESEA		
Project Name: ತಲಾರ್	NO FEOGRAL #G		State: Vm Zip: 88311	10	
Project Location: ARTESER NOW	ARTESEA NON		Phone #: 575 - 748 - 1471	121	
Sampler Name: ~,	" MIEBOORE		Fax #:		
FOR LAB USE ONLY		AP. MATRIX	PRESERV. SAMPLING	ING	
Lab I.D. H9009721	Sample I.D.	(G)RAB OR (C)OM # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	TIME	
18	ROS-6/0"-1"	×	×	131) ×	
62	ROS-6/1'-A'	ด - ×	x 3/5/19	1324 x	
28	ROS-6/2'-3'	о - ×	b/5/8 ×	1335 ×	
h8	R05-6/3:-41	0 - ×	1/5/E ×	1398 ×	
S. S.	£05-7/0'-1'	6) - ×	X 3/5/19	1138 ×	
9/8	COS-7/1'-2"	ด ×	× 3/5/14	1139 ×	
53	R05-7/21-3	о - ×	1/5/6 ×	X	
88	505-7/3'-4'	ด ×	x 3/s/18	1143 X	
89	RV5-8/0'-1'	6 - ×	x 3/5/19	Y CISI	
90	ROS-8/1'-2'	۵ - - ×	× 3/5/19	1516 X	
PLEASE NOTE: Liability and C analyses. All claims including to service. In no event shall Cardi	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. It claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal whith 30 days after completion of the applicable control to the control of the control	ly for any claim arising whether based in control all be deemed walved unless made in writing cluding without limitation, business interruption or business interruption.	act or tort, shall be limited to the amount p and received by Cardinal within 30 days at ns, loss of use, or loss of profits incurred by the is based upon any of the above stated to	aid by the client for the fler completion of the applicable / client, its subsidiaries, casenes or otherwise	
Relinquished By:	Date: 3/6/19	Received By:		Phone Result: Yes	□ No
1	Time:			REMARKS:	
Relinquished By:	Date:3/6	1:30 COUL J	Herson		
Delivered By: (Circle One)		Sample	ition CHECKED BY:		
Sampler - UPS - Bus - Other:	1,40/		These States		
		No	No		

9 04 10

Date: 3/6/19

Received By:

Phone Result:
Fax Result:
REMARKS:

□ Yes

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Add'l Phone #: Add'l Fax #:

Time:

Relinquished By;

Date:

Received By:

Time: //. 30

Page 32 of 32

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: 4	Company Name: RANGER ENVERONMENTAL SERVICES, INC.	VICES, INC.	BILL 70	ANALYSIS REQUEST	EST
Project Manager: MAX Cook	MAX COOK		P.O. #:		
Address: Po Box	x 201179		Company: EOG-Y RESOURCES		
City: Austen	State: Tx	C Zip: 78730	Attn: 303 ASHER		
Phone #: 512 - 33	5-178s Fax#:	513-375-0527	Address: 1945 474 57		
Project #: 5375	Project Owner:	ner:	City: ANTESTA		
Project Name: らゆい	OW FEDERAL #6		State: NM Zip: 38310		
Project Location: ARTESEA NA	ARTESEA NA		Phone #: 575-748-147/		
Sampler Name: ←,	" KIERORU		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	CHLORTOE	
9	Ros-8/21-31	1	×	x	
92	205-8/3'-4'	ด - *	x 3/5/19 1522	×	
20	ROS-9/01-11	٥ -	× 3/5/19 162.4	x	
14c	ROS-9/11-2	G -		x	
25	RD5-9/a'-3'	6 - ×	0591 b//5/2 x	×	
96	205-9/3'-4'	о - х	× 3/5/19 1633	*	
PLEASE NOTE: Liability and Da analyses, All claims including the service. In no event shall Cardina	mages. Cardinal's liability and client's exclusive remedy use for negligence and any other cause whatsoever shal al be liable for incidental or consequental damages, inclu	for any claim arising whether based in cont I be deemed waived unless made in writing Iding without limitation, business interruptio	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 applica service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries.	t for the opticable sideries.	
Relinquished By:	Date: 3/2/	Received By:	Relinquished By: Date: 3/6 Received: By:	rwise. Result: ☐ Yes ☐ No Add'I Phone #:	

+ Carrinal rannot arrent verhal channee Bleace fax written channee to IRTRI 202_222R Sample Condition
Cool Intact
Yes Yes
No No

Sampler - UPS - Bus - Other: Délivered By: (Circle One)

Jah.

179年



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/ga/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.

Celey D. Keene

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



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

Reported: 08/24/2018
Project Name: SCOUT EH FEDERAL #1 (ASP 1)

Project Number: 30-015-00155

Project Location: EDDY CO NM

Sampling Date: 08/16/2018

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: ASP 1.1 (H802321-01)

DTEV 0021D

BTEX 8021B	mg	/kg	Analyze	d 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	% 69.8-14	2						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 37.6-14	7						

Analyzed By me

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



08/16/2018

Soil

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: Reported: Sampling Type: 08/24/2018

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	Analyze	d 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	% 69.8-14	2						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d 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	Analyze	d 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	% 37.6-14	7						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



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

Analyzed By: me

Project Location: EDDY CO NM

ma/ka

Sample ID: ASP 1.3 (H802321-03)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a 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	% 69.8-14	2						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed 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	Analyze	d 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	% 37.6-14	7						

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Celey D. Keine



08/16/2018

Tamara Oldaker

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:

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: Project Location: EDDY CO NM

Sample ID: ASP 1.4 (H802321-04)

BTEX 8021B	mg	/kg	Analyze	d 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	% 69.8-14	2						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 37.6-14	7						

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Celey D. Keene



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: Sampling Type: Soil 08/24/2018

Project Name: SCOUT EH FEDERAL #1 (ASP 1) Sampling Condition: Cool & Intact Project Number: 30-015-00155 Sample Received By: Tamara Oldaker

Analyzed By: me

Project Location: EDDY CO NM

ma/ka

Sample ID: ASP 1.5 (H802321-05)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	a 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	% 69.8-14	2						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed 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	Analyze	d 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	% 37.6-14	7						

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Celey D. Keine



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: Sampling Type: Soil 08/24/2018

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	Analyze	d 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	% 69.8-14	2						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d 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	Analyze	d 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	ı						
Surrogate: 1-Chlorooctadecane	87.4	% 37.6-14	7						

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Celey D. Keine



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

ecovery.

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. Kune

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

cenelinquis	ed by elinquished by	OCD elinquished by:	5/25	Special	23 4:0	97:16 I	e e	S	4	w	2	1	LAB # (lab use only)	ORDER #:	(lab use only)						P	age 142
shed by:	shed by	shed by:		Special Instructions:			ASP 1.6	ASP 1.5	ASP 1.4	ASP 1.3	ASP 1.2	ASP 1.1	FIELD CODE	R# H802321	only)	Sampler Signature:	Telephone No: 575-748-4171	City/State/Zip: Artesia,	Company Address: 104 South 4th Street	Company Name EOG Re	Project Manager: Robert Asher	ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240
Date	Date	08/20/18	,	PH Extended												(LA	4171	Artesia, NM 88210	th 4th Street	EOG Resources, Inc.	sher	RIES s, NM 88240
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OT:		unaka 1		/kg. Thank yo			8:11 AM	8:09 AM	8:07 AM	8:05 AM	8:04 AM	8:03 AM	Time Sampled			e-mail:	Fax No:					(505) 393-2326 FAX (505) 393-2476
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Date	Date	18					S	S	S	S	S	S	DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Matrix		ogresources.com	Report Format:				Pro	CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST
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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/ga/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.

Celey D. Keene

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



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

Analyzed By me

Project Location: EDDY CO NM

Sample ID: ASP 2.1 (H802320-01)

DTEV 0021D

BTEX 8021B	mg,	/kg	Analyze	d 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	% 69.8-14	2						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d 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	% 37.6-14	7						

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Celey & Keene



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: Sampling Type: Soil 08/24/2018

Project Name: SCOUT EH FEDERAL #1 (ASP 2) Sampling Condition: Cool & Intact Tamara Oldaker Project Number: 30-015-00155 Sample Received By:

Analyzed By: me

Project Location: EDDY CO NM

ma/ka

Sample ID: ASP 2.2 (H802320-02)

RTFY 8021R

Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<0.050	0.050	08/21/2018	ND	1.85	92.6	2.00	3.01	
<0.050	0.050	08/21/2018	ND	1.74	87.0	2.00	2.88	
<0.050	0.050	08/21/2018	ND	1.72	86.1	2.00	3.27	
<0.150	0.150	08/21/2018	ND	5.21	86.8	6.00	3.16	
<0.300	0.300	08/21/2018	ND					
93.9	% 69.8-14	2						
mg/	kg	Analyze	d By: AC					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
32.0	16.0	08/21/2018	ND	432	108	400	0.00	
mg/	'kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	08/21/2018	ND	205	103	200	0.866	
<10.0	10.0	08/21/2018	ND	208	104	200	3.67	
<10.0	10.0	08/21/2018	ND					
98.0	% 41-142	ı						
90.5	% 37.6-14	7						
_	<0.050 <0.050 <0.050 <0.150 <0.300 93.99 mg/ Result 32.0 mg/ Result <10.0 <10.0 98.09	<0.050 <0.050 <0.050 <0.050 <0.050 <0.150 <0.300 93.9 % 69.8-14 mg/kg Result Reporting Limit 32.0 16.0 mg/kg Result Reporting Limit <10.0 10.0 <10.0 10.0 <10.0 10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 <	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



Analytical Results For:

EOG Y RESOURCES, INC ROBERT ASHER 105 SOUTH 4TH STREET ARTESIA NM, 88210 Fax To: (575) 748-4131

Tax To: (5/5) / 40-41

 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	Analyze	d 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	% 69.8-14	2						
Chloride, SM4500Cl-B	mg,	kg	Analyze	d 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	Analyze	d 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	% 37.6-14	7						

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Celey D. Keine



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

Analyzed By: me

Project Location: EDDY CO NM

ma/ka

Sample ID: ASP 2.4 (H802320-04)

RTFY 8021R

Result <0.050 <0.050 <0.050 <0.050 <0.150	0.050 0.050 0.050	Analyzed 08/21/2018 08/21/2018	Method Blank ND ND	BS 1.85	% Recovery 92.6	True Value QC 2.00	RPD 3.01	Qualifier
<0.050 <0.050 <0.150	0.050	08/21/2018			92.6	2.00	3.01	
<0.050 <0.150			ND	1 74				
<0.150	0.050			1.74	87.0	2.00	2.88	
		08/21/2018	ND	1.72	86.1	2.00	3.27	
	0.150	08/21/2018	ND	5.21	86.8	6.00	3.16	
<0.300	0.300	08/21/2018	ND					
95.1	% 69.8-14	2						
mg,	'kg	Analyze	d By: AC					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
32.0	16.0	08/21/2018	ND	400	100	400	0.00	
mg,	/kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	08/21/2018	ND	205	103	200	0.866	
<10.0	10.0	08/21/2018	ND	208	104	200	3.67	
<10.0	10.0	08/21/2018	ND					
	0/ 41.142							
89.3	% 41-142							
	Result 32.0 mg/ Result <10.0 <10.0 <10.0	Result Reporting Limit <10.0 10.0 <10.0 10.0 <10.0 10.0	Result Reporting Limit Analyzed 32.0 16.0 08/21/2018 mg/kg Analyze Result Reporting Limit Analyzed <10.0	Result Reporting Limit Analyzed Method Blank 32.0 16.0 08/21/2018 ND mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank <10.0	Result Reporting Limit Analyzed Method Blank BS 32.0 16.0 08/21/2018 ND 400 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS <10.0	Result Reporting Limit Analyzed Method Blank BS % Recovery 32.0 16.0 08/21/2018 ND 400 100 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery <10.0	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC 32.0 16.0 08/21/2018 ND 400 100 400 mg/ky Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC <10.0	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD 32.0 16.0 08/21/2018 ND 400 100 400 0.00 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD <10.0

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Celey & Keene



Analytical Results For:

EOG Y RESOURCES, INC ROBERT ASHER 105 SOUTH 4TH STREET ARTESIA NM, 88210 Fax To: (575) 748-4131

ma/ka

 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

Analyzed By: me

Project Location: EDDY CO NM

Sample ID: ASP 2.5 (H802320-05)

RTFY 8021R

B1EX 8021B	mg/	кд	Anaiyze	a 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	% 69.8-14	2						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d 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	Analyze	d 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	% 37.6-14	7						

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Celey D. Keine



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

Project Name: SCOUT EH FEDERAL #1 (ASP 2)

08/24/2018

Project Number: 30-015-00155

Project Location: EDDY CO NM Sampling Date: 08/16/2018

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: ASP 2.6 (H802320-06)

Reported:

BTEX 8021B	mg/	/kg	Analyze	d 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	% 69.8-14	2						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d 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	Analyze	d 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	ı						
Surrogate: 1-Chlorooctadecane	84.1	% 37.6-14	7						

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Celey D. Keine



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

ecovery.

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

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

(505) 393-2326 FAX (505) 393-2476

Receivelinquished by:	ved by	OCD elinqui	5/25/	202	23 4:6	7:16	·C	S	4	w	2	1	LAB # (lab use only)	ORDER #:	(lab use only)	(lob upo						
shed by:	shed by:	sned by:	0.00			07:16	ASP 2.6	ASP 2.5	ASP 2.4	ASP 2.3	ASP 2.2	ASP 2.1	FIELD CODE	R#、FXOメンダウ			Sampler Signature:	Telephone No: 575-748-4171	City/State/Zip: Artesia, NM 88210	Company Address: 104 South 4th Street	Company Name EOG Resources, Inc.	Project Manager: Robert Asher
Date	Date	08/17/18	, and a	4000										_	_		E		8210	Street	es, Inc.	
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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/ga/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.

Celey D. Keene

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



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	Analyze	d 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 (H	I802144-02)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d 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 (H	1802144-03)								
•	1802144-03) mg,	/kg	Analyze	d By: AC					
Sample ID: CRSP 1.15 (H Chloride, SM4500Cl-B Analyte	-	/kg Reporting Limit	Analyze Analyzed	d By: AC Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride, SM4500CI-B	mg				BS 416	% Recovery	True Value QC 400	RPD 3.77	Qualifier
Chloride, SM4500CI-B Analyte	Result	Reporting Limit	Analyzed	Method Blank		,	•		Qualifier
Chloride, SM4500CI-B Analyte Chloride	Result	Reporting Limit	Analyzed 08/08/2018	Method Blank		,	•		Qualifier
Chloride, SM4500CI-B Analyte Chloride Sample ID: CRSP 1.20 (H	Result 1300 1802144-04)	Reporting Limit	Analyzed 08/08/2018	Method Blank ND		,	•		Qualifier

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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: 08/06/2018 Reported: 08/09/2018

Project Name: SCOUT EH FEDERAL #1 (CRSP 1)

Project Number: 30-015-00155

Project Location: EDDY CO NM

Sampling Date: 08/02/2018

Sampling Type: Soil

Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: CRSP 1.25 (H802144-05)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d 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 (H	1802144-06)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d 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 (H	1802144-07)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d 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 (F	1802144-08)								
Chloride, SM4500CI-B	mg	/kg	Analyze	d 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 (H	1802144-09)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d 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	

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Celey D. Keene



Tamara Oldaker

Sample Received By:

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
Project Location: EDDY CO NM

Sample ID: CRSP 1.50 (H802144-10)

Chloride, SM4500CI-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 Analyzed By: AC BS RPD Result Reporting Limit Analyzed Method Blank True Value QC Qualifier Analyte % Recovery 2840 16.0 08/08/2018 416 400 3.77 Chloride ND 104

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 08/08/2018 ND 400 16.0 416 104 3.77

Cardinal Laboratories *=Accredited Analyte

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Celey & Keene



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

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Celeg D. Keine

Project Name: Scout EH Federal #1 (CRSP 1)

P	age 157	of 20
	O	1/2
D C	A	Page 6 of
4	AR	Pag

ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(505) 393-2326 FAX (505) 393-2476

Company Name Project Manager: Robert Asher EOG Resources, Inc.

City/State/Zip: Company Address: Artesia, NM 88210

104 South 4th Street

575-748-4171

Telephone No:

Sampler Signature:

(lab use only) ORDER #:

.AB # (lab use only)

3 CRSP 1.15 CRSP 1.20

20 25

20

8/2/2018 8/2/2018 8/2/2018 8/2/2018

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7:20 AM 7:14 AM 7:10 AM

4 4 4 4

8/2/2018

CRSP 1.10 **CRSP 1.5**

FIELD CODE

Beginning Depth

Ending Depth

Date Sampled

Time Sampled

Total #. of Containers

Field Filtered

HNO₃ HCI

H2SO4 NaOH Na₂S₂O₃

Other (Specify)

NP=Non-Potable

TPH:

Anions (CI

Volatiles Semivolatiles

RCI N.O.R.M.

SAR / ESP / CEC

DW=Drinking Water SL=Sludge

8015M Extended

Metals: As Ag Ba Cd Cr Pb Hg Se

BTEX 8021B/5030 or BTEX 8260

RUSH TAT (Pre-Schedule) 24 hrs

Standard TAT

TX 1005

Cations (Ca, Mg, Na, K)

Specify Other

TX 1006

TOTAL: TCLP:

Analyze For:

CRSP 1.25

CRSP 1.30

Fax No:

e-mail:

robert_asher@eogresources.com

Report Format

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Standard

Project Loc: Eddy County

PO #: 205632

Project #: 30-015-00155

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Temperature Upon Receipt:	Sample Hand Delivered by Sampler/Client Re by Courier? UPS	Labels on container(s) Custody seals on container(s) Custody seals on cooler(s)	VOCs Free of Headspace?	Sample Containers Intact?						
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atur	by Sampler by Courier?	on o	гее	Cor						
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CRSP 1.40
CRSP 1.40
CRSP 1.50
CRSP 1.45
CRSP 1.50
CRSP 1.5

CRSP 1.50

Chlorides Only Please. ALL results in mg/kg. Thank you.

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8/2/2018

8:26 AM 8:16 AM 8:03 AM

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8/2/2018

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8/2/2018 8/2/2018

08/03/18

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8-6-18

2:00

Labels on container(s)
Custody seals on container(s)
Custody seals on cooler(s)
Sample Hand Delivered

Time

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Received by:

Date

Time

Received by ELOT:

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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siled by.	sned by:	sned by:		netrictions:		7:16 P			CRSP 1.60	CRSP 1.55		R#: #80a	only)	Sampler Signature:	Telephone No:	City/State/Zip:	Company Address:	Company Name	Project Manager:	ARDINAL LA
		٠٨٠	cilional	Chlorid							FIELD CODE	441		6	575-748-4171	Artesia, NM 88210	: 104 South 4th Street	EOG Resources, Inc.	Robert Asher	ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240
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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/ga/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.

Celey D. Keene

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



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, SM4500CI-B	mg	/kg	Analyze	d 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 (H	1802143-02)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d 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 (H	1802143-03)								
	1002173-03/								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
•	-	/kg Reporting Limit	Analyze Analyzed	d By: AC Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride, SM4500CI-B	mg				BS 416	% Recovery	True Value QC 400	RPD 3.77	Qualifier
Chloride, SM4500CI-B Analyte	Result	Reporting Limit	Analyzed	Method Blank		,	•		Qualifier
Chloride, SM4500CI-B Analyte Chloride	Result	Reporting Limit	Analyzed 08/08/2018	Method Blank		,	•		Qualifier
Chloride, SM4500CI-B Analyte Chloride Sample ID: CRSP 2.20 (H	Result 592	Reporting Limit	Analyzed 08/08/2018	Method Blank ND		,	•		Qualifier

Cardinal Laboratories *=Accredited Analyte

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Celey & Keene



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

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Celeg D. Freene

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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shed by:	sied by:	(Coul)	shed by	Instructions:			7:16 1		CRSP 2.20	CRSP 2.15	CRSP 2.10	CRSP 2.5	FIELD CODE	R# H86214	only)	Sampler Signature:	Telephone No: 575	City/State/Zip: Arts	Company Address: 104 South 4th Street	Company Name EO	Project Manager: Rot	ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240
Date	Car	08/03/18	Date	Chlorides Only Please. ALL results in mg/kg. Thank you									ODE	13		CAN A	575-748-4171	Artesia, NM 88210	South 4th Street	EOG Resources, Inc.	Robert Asher	RATORIES Hobbs, NM 88240
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1	nple Hand I by Sampler by Courier?	dy se	Free	ator									SAR / ESP / ČEC	TOTAL:			Sta	205632	ddy	20	noo	2
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Released to Imaging: 11/2/2023 1:15:06 PM



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/ga/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.

Celey D. Keene

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



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	Analyze	d 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 (H	1802142-02)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d 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 (H	1802142-03)								
Sample ID: CRSP 3.15 (H Chloride, SM4500Cl-B	1802142-03) mg,	/kg	Analyze	d By: AC					
	-	/kg Reporting Limit	Analyze Analyzed	d By: AC Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride, SM4500CI-B	mg			-	BS 448	% Recovery	True Value QC 400	RPD 7.41	Qualifier
Chloride, SM4500CI-B Analyte	Result	Reporting Limit	Analyzed	Method Blank		,	•		Qualifier
Chloride, SM4500CI-B Analyte Chloride	Result	Reporting Limit	Analyzed 08/08/2018	Method Blank		,	•		Qualifier
Chloride, SM4500CI-B Analyte Chloride Sample ID: CRSP 3.20 (H	Result 1260	Reporting Limit	Analyzed 08/08/2018	Method Blank ND		,	•		Qualifier

Cardinal Laboratories *=Accredited Analyte

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Celey D. Kreine



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	Analyze	d 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

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Celey D. Keene



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

ecovery.

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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Celeg D. Keine

Project Name: Scout EH Federal #1 (CRSP 3)

P	age 16/	<i>0J-2</i> 6
Proje	No	Page 5 of 5
Project Manager:	ARDINAL LABORATO	Pac
Robert /	ABORATO	

ORIES bs, NM 88240 Asher

(505) 393-2326 FAX (505) 393-2476

Company Name EOG Resources, Inc.

City/State/Zip: Artesia, NM 88210 Company Address:

104 South 4th Street

Telephone No:

(lab use only) ORDER #:

_AB # (lab use only)

CRSP 3.15 CRSP 3.20

CRSP 3.25

25 20'

25

8/2/2018

10:40 AM 10:33 AM 10:18 AM

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CRSP 3.10

10

10 Q

8/2/2018 8/2/2018

10:12 AM

4

×

10:08 AM

O

15

15 20'

8/2/2018 8/2/2018

CRSP 3.5

FIELD CODE

Beginning Depth

Ending Depth

Date Sampled

Time Sampled

Total #. of Containers

Field Filtered

Ice HNO₃ HCI H2SO4

NaOH Na₂S₂O₃

None

TPH:

TPH:

Volatiles Semivolatiles

RCI N.O.R.M.

Other (Specify)

DW=Drinking Water SL=Sludge

GW = Groundwater S=Soil/Solid

NP=Non-Potable Specify Other

TX 1005

Cations (Ca, Mg, Na, K)

SAR / ESP / CEC

8015M Extended

Metals: As Ag Ba Cd Cr Pb Hg Se

BTEX 8021B/5030 or BTEX 8260

RUSH TAT (Pre-Schedule) 24 hrs

TX 1006

TOTAL: TCLP:

Analyze

FOL.

Sampler Signature:

575-748-4174

Fax No:

e-mail:

robert_asher@eogresources.com

Report Form

at:
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nda

Po #: 205632

Project Loc: Eddy County

Project #: 30-015-00155

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Standard TAT

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R	eleased to	Imaging:	11/	/2/2	023	1:1	5:06	PA	1	

Received by OCDs 5/25/2023 4:07:16 PM

selinquished by:

linquished by:

Chlorides Only Please. ALL results in mg/kg. Thank you.

08/03/18

7:34 AM

81-9-8

2:00

Labels on container(s)
Custody seals on container(s)
Custody seals on cooler(s)

ZZZZZZZ

Sample Containers Intact?

Laboratory Comments:

VOCs Free of Headspace?

Date

Time

Sample Hand Delivered by Sampler/Client Rep. ? by Courier? UPS

FedEx Lone Star

Date

Time

Temperature Upon Receipt:

Date

Time

Received by

Date

Time

Received by:

Date

Time

Received by ELOT:



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/ga/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)

Celey D. Keene

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



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 Reporting Limit Analyzed BS % Recovery True Value QC RPD Oualifier Analyte Result Method Blank Chloride 576 16.0 08/08/2018 ND 448 400 7.41 112

Sample ID: CRSP 4.10 (H802141-02)

Chloride, SM4500Cl-B 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

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Celey D. Keene



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

ecovery.

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

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Celey D. Keine

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Page 4 of 4

ARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240

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shed by:	shed by:	Specific Action	5/25/6 pecial instructions:							CRSP 4.10	CRSP 4.5	FIELD CODE	TH SOS IT	-	1	Sampler Signature:	Telephone No: 575-7	City/State/Zip: Artes	Company Address: 104 S	Company Name EOG	
Date	Date	08/03/18	Chlorides Only Please. ALL results in mg/kg. Thank you.									DE	1			(CVA	575-748-4171	Artesia, NM 88210	104 South 4th Street	EOG Resources, Inc.	
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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

andel

4901 Hawkins NE

Albuquerque, NM 87109

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 Qu	al Units	DF Date Analyzed	Batch
EPA METHOD 300.0: ANIONS				Analy	yst: MRA
Chloride	5200	150	mg/Kg	100 4/17/2017 7:08:34 P	M 31249

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

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
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 1 of 9
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

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:

Received Date: 4/12/2017 10:10:00 AM

Analyses	Result	PQL Qu	al Units	DF Date Analyzed	Batch
EPA METHOD 300.0: ANIONS				Anal	yst: MRA
Chloride	4300	150	mg/Kg	100 4/17/2017 7:20:58 P	M 31249

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

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
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 2 of 9
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

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 Qu	al Units	DF Date Analyzed	Batch
EPA METHOD 300.0: ANIONS				Analy	/st: MRA
Chloride	3700	150	mg/Kg	100 4/17/2017 7:58:13 PI	M 31249

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

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
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 3 of 9
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

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.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits Page 4 of 9

P Sample pH Not In Range

RL Reporting Detection Limit

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 Qua	al Units	DF Date Analyzed	Batch
EPA METHOD 300.0: ANIONS				Analy	/st: MRA
Chloride	2700	150	mg/Kg	100 4/17/2017 8:23:02 PI	M 31249

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

Qualifiers: Value exceeds Maximum Contaminant Level. Analyte detected in the associated Method Blank D Sample Diluted Due to Matrix Е Value above quantitation range Analyte detected below quantitation limits Page 5 of 9 Н Holding times for preparation or analysis exceeded J 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

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.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits Page 6 of 9

P Sample pH Not In Range

RL Reporting Detection Limit

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.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits Page 7 of 9

P Sample pH Not In Range

RL Reporting Detection Limit

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 Qu	al Units	DF Date Analyzed	Batch
EPA METHOD 300.0: ANIONS				Anal	yst: MRA
Chloride	6800	300	mg/Kg	200 4/17/2017 9:00:15 P	M 31249

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

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

R RPD outside accepted recovery limits

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits Page 8 of 9

P Sample pH Not In Range

RL Reporting Detection Limit

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.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

0.C D1.C

Released to Imaging: 11/2/2023 1:15:06 PM

Page 9 of 9



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

EOG/Yates Client Name: Work Order Number: 1704494 RcptNo: 1 Received By: 4/12/2017 10:10:00 AM **Andy Jansson** Completed By: **Ashley Gallegos** 4/12/2017 11:58:27 AM Reviewed By: E NM 04/12/17 **Chain of Custody** Yes No 🗌 Not Present 1. Custody seals intact on sample bottles? No 🗌 Yes 🗸 Not Present 2. Is Chain of Custody complete? 3. How was the sample delivered? Courier Log In No 🗌 4. Was an attempt made to cool the samples? Yes 🗸 NA 🗌 NA 🗔 5. Were all samples received at a temperature of >0° C to 6.0°C Yes 🗸 No 🗌 No 🗆 Sample(s) in proper container(s)? No 🗌 7. Sufficient sample volume for indicated test(s)? Yes 🗸 8. Are samples (except VOA and ONG) properly preserved? Yes 🗹 9. Was preservative added to bottles? No 🔽 NA 🗌 Yes 10. VOA vials have zero headspace? No 🗌 No VOA Vials Yes 11. Were any sample containers received broken? No 🗹 # of preserved bottles checked Yes 🔽 for pH: 12. Does paperwork match bottle labels? No 🗔 (Note discrepancies on chain of custody) (<2 or >12 unless noted) Adjusted? Yes 🗹 No 🗀 13. Are matrices correctly identified on Chain of Custody? Yes 🗹 No 🗌 14. Is it clear what analyses were requested? No 🗌 Checked by: 15. Were all holding times able to be met? Yes 🗸 (If no, notify customer for authorization.) Special Handling (if applicable) Yes \square 16. Was client notified of all discrepancies with this order? 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 1.0 Good

Rece			JCD.	. 3/2	3/20	23 4		.10		o Y)	Air Bubbles														ige 183	<i>oj 2</i> (
ENVIRONMENT	ANALYSIS LABORATORY) 	Albuquerque, NM 87109	07					/.															te report		
Z	õ	www.hallenvironmental.com	ΣN	Fax 505-345-4107	يد	_					4OV) 808S8 -im9S) 07S8											<u> </u>		ерага		
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			4901	He H			_	_			BTEX + MTI		-	$\widehat{}$	$\widehat{}$	$\widehat{}$		_		i	_			rks:	Anaiyucal Results by 4/19/2017.	
								_			ITM + X3T8	×	×	×	×	×	×	×	×					Rema	Anaiy	
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									NO.	7001	HEAL NO.	100-	C00-	- 003	-004	300-	7000-	,00	00-				Date Time	out ((2/17 60) Remarks: Please put chloride results on separate report.	Date Time	. This serves as noti
;	□ Rush		Scout EH Fedeal #1 Battery		2	ger:	·	_	Asher		Preservative Type	lce	lce	<u>s</u>	S	ey.	e)	<u>e</u>	lce			1				ccredited laboratories
3	X Standard	Project Name:	Scout EH Fer	Project #:	30-015-00155	Project Manager:	Robert Asher		Sampler: Robert	Sample Temperature	Container Type and #	1 - 4oz.	1 - 40z.	1 - 40z.	1 - 40z.	1 - 40z.	1 - 40z.	1 - 40z.	1 - 40z.				Received by:	7	Received by:	ontracted to other ad
oay Kecora	5	·	th Street			smail: Robert_Asher@eogresources.com		□ Level 4 (Full Validation)			Sample Request ID	EP-1	EP-2	EP-3	EP-4	WP-1	WP-2	WP-3	WP-4				od by:			
ISNO-	urces, in		South 4		217	@eogre			□ Other		Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil				Relinquished by:		Relinquished by	nples submit
Chain-or-Custody	EUG Resources, Inc.		Mailing Address: 105 South 4th Street	IM 88210	Phone #: (575) 748-4217	bert_Asher	:kage:	pı	ion:	ype)	Time	9:50 AM	9:55 AM	10:00 AM	10:05 AM	10:10 AM	10:15 AM	10:20 AM	10:25 AM				Time:	7:42 AM	Time:	If necessary, sam
Release	ii asea	l to 1	Mailing Ac	Artesia, NM 88210	:# euou _c /2	email: Ro	AA/QC Package:	Standard	Accreditation: ✓ NELAP	□ EDD (Type)	Date	4/6/17	4/6/17	4/6/17	4/6/17	4/6/17	4/6/17	4/6/17	4/6/17				Date:	4/11/17	Date:	



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

andel

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 4/19/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Resources, Inc.

Project: Scout EH Fedeal 1 Battery

Lab ID: 1704495-001

Client Sample ID: DHM-1

Collection Date: 4/6/2017 10:30:00 AM

Received Date: 4/12/2017 10:10:00 AM

Analyses	Result	PQL Qual	Units	DF Date Analyzed	Batch
EPA METHOD 300.0: ANIONS				Analy	st: MRA
Chloride	1300	75	mg/Kg	50 4/17/2017 9:12:40 PM	1 31249

Matrix: SOIL

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

- * 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
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 1 of 5
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Date Reported: 4/19/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Resources, Inc.

Project: Scout EH Fedeal 1 Battery

Lab ID: 1704495-002

Client Sample ID: DHM-2

Collection Date: 4/6/2017 10:35:00 AM

Received Date: 4/12/2017 10:10:00 AM

Analyses	Result	PQL Qu	al Units	DF Date Analyzed	Batch
EPA METHOD 300.0: ANIONS				Ar	nalyst: MRA
Chloride	1300	75	mg/Kg	50 4/17/2017 9:25:05	5 PM 31249

Matrix: SOIL

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

- * 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
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 2 of 5
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

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.

- * 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
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 3 of 5
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

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

Lab ID: 1704495-004

Matrix: SOIL

Collection Date: 4/6/2017 10:45:00 AM

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.

- * 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
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 4 of 5
- P Sample pH Not In Range
- RL Reporting Detection Limit
- 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

SPK value SPK Ref Val %REC %RPD **RPDLimit** Analyte Result LowLimit HighLimit Qual

Chloride 15 1.5 15.00 0 97.8 110

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded Η
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified

Page 5 of 5



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

Completed By: Ashley Gallegos 4/19 Reviewed By: ENM	12/2017 10:10:00 A 12/2017 12:02:24 F)4/12/17		No O	Not Present ☑ Not Present ☐	
Chain of Custody 1. Custody seals intact on sample bottles? 2. Is Chain of Custody complete? 3. How was the sample delivered?	,	Yes ☐ Yes ✔			
Chain of Custody 1. Custody seals intact on sample bottles? 2. Is Chain of Custody complete? 3. How was the sample delivered?	94/12/17	Yes 🗸			
 Custody seals intact on sample bottles? Is Chain of Custody complete? How was the sample delivered? 		Yes 🗸			
2. Is Chain of Custody complete?3. How was the sample delivered?		Yes 🗸			
3. How was the sample delivered?			No 🗌	Not Present	
		<u>Courier</u>			
<u>Log In</u>					
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 \square	
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 p	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 🗹	# of preserved	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes 🗸	No 🗆	bottles checked for pH: (<2 or	>12 unless noted)
13. Are matrices correctly identified on Chain of Cus	stody?	Yes 🗹	No 🗆	Adjusted?	
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 🗌	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	our de la la	ا بسیام	ا سن بیم		V
Cooler No Temp °C Condition Seal I	Intact Seal No	Seal Date	Signed By		
L. Good Tes		į			

Recording	ABORATORY PARIS		87109	• • • • • • • • • • • • • • • • • • • •					A) بر N)	′OΛ (\	8260B (VOA 8260B (VOA 8260B) (Semi-ima8) 0728										Time		e 191 (of 2
ENIVE	ANALYSIS	www.hallenvironmental.com	1		aly					9 rc	5 АИЧ) (РИА 6 В АЯОЯ (C) snoinA	×	×	×	×						Phloride results	4/19/2017.		
	AN	WW.	4901 Hawkins NE	Tel. 505-345-3975		ese JJA)		_	15E(1	q t .	BTEX + MTI TPH Methoo TPH (Metho	×	×	×	×						rke: Please put	Analytical Results by 4/19/2017.		
								_			ITM + X3T8	×	×	×	×						Remar	Analyt		-1
		·							O.N. E	7,00.1	HEAL NO.	180-	C00-	-003	H00-	·					Date Time			accredited laboratories This serves as notice of
; = =	□ Rush		Scout EH Fedeal #1 Battery		10	ger:		<u> </u>	ber/Asher ©/Yes	erature:	Preservative Type	<u>Se</u>	, Se	<u>S</u>	Ice					1		3		credited laboratorie
2007	X Standard	Project Name:	Scout EH Fed	Project #:	30-015-00155	Project Manager:	Robert Asher		Sampler: Rober	Sample Temperature	Container Type and #	1 - 4oz.	1 - 40z.	1 - 40z.	1 - 4oz.	-					Received by:	Received by:		notracted to other ac
บกลเท-or-บนรtody หecord	c.		h Street	-		semail: Robert_Asher@eogresources.com		☐ Level 4 (Full Validation)			Sample Request ID	DHM-1	DHM-2	DHM-3	DHM-4		:					he hv		if noncentral companies of professional contemporate may be an incontracted to other
Cust	rces, In		South 41		17	geogres			□ Other		Matrix	Soil	Soil	Soil	Soil				:		Relinquished by:	Relinguished by:		Han submit
nain-or-	EOG Resources, Inc.		Mailing Address: 105 South 4th Street	M 88210	Phone #: (575) 748-4217	bert_Asher(kage:	Þ			ime	10:30 AM	10:35 AM	10:40 AM	10:45 AM							7:42 AM Time:		If necessary same
	eased lient:	l to 1	magaling Ad	SArtesia, NM 88210	:# auouc.	Semail: Ro	AA/QC Package:	Standard	Accreditation: M□ NELAP	□ EDD (Type)	Date	4/6/17	4/6/17	4/6/17	4/6/17							4/11/17 Date:		

CLIENT EOG Resources, Inc. PROJECT NUMBER 5375



Ranger Environmental Services, LLC P.O. Box 201179,

Austin, Texas 78720

BORING NUMBER B-1 PAGE 1 OF

Phone: (512)335-1785 Fax: (512)335-0527

PROJECT NAME Scout EH Federal #6

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

	O DEPTH (ft)	SOIL SAMPLE ANALYSIS	GROUNDWATER LEVELS (BTOC)	PID (In ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
ļ	5 -					Topsoil/Silt, soft	
ŀ	 10			0		(GM) Silty Gravel, brown, subrounded, dry	
ŀ	_			0			
	- 15 - 			0		15.0 (ML) Clayey Silt, reddish-brown, soft to stiff, <10% gravel, dry	
S.GPJ	20			0			
NG LOGS	25 -			1		25.0 (ML) Clayey Silt, reddish-brown to white, stiff, dry	-
ENVIRONMENTAL BH - GINT STD US.GDT - 5/9/23 15,19 - R;DRAFTING FILES\GINT LOGS\6375 - SCOUT EH FEDERAL #6 - BORING LOGS.GPJ	30			1.1			
ERAL #6	35 -			1		Moist at 35' and below	
EH EE	40			1			
- scou	- 45 -	GB		40.6		45.0 (ML) Clayey Sandy Silt, reddish-brown to tan, soft, damp	
38\5375	50			2.5		(INIC) Clayey Sandy Sint, reduish-blown to tan, sont, damp	
SINT LOC	 - 55 -			2.3			
FILES	60			15.8			
AFTING	- 65 -						
9 - R:\DR	 			3.1		69.0 (CL) Clay gray stiff dry field chloride = 600 mg/Kg	
3 15:18	70	─\ GB			<i></i>	70.0 (CL) Clay, gray, stiff, dry, field chloride = 600 mg/Kg Bottom of borehole at 70.0 feet.	
- 5/9/2						Bottom of Boronole at 70.0 foot.	
S.GDT							
STD U							
- GINT							
ral BH							
NMEN							
ENVIRC							

Ranger Environmental Services, LLC P.O. Box 201179, Austin, Texas 78720

BORING NUMBER B-2 PAGE 1 OF 1

				OERVIOLO, ELO		Fax: (512)33	3 5- 05		
CLIEN	T EOG	Resources	s, Inc.					PROJECT NAME Scout EH Federal #6	
		IBER <u>537</u>						PROJECT LOCATION Eddy County, New	Mexico
		D 11/12/2		COMPLE	ETED _	11/12/22		GROUND WATER LEVELS:	
		NTRACTOR						AT TIME OF DRILLING Dry	
		THOD Air						AFTER DRILLING Dry	
	_	William Ke				Patrick Finn		BTOC = Below Top Of Casing GB = Grab Sample	
GPS C	OORDIN	IATES _32	.706079°, -	104.470376	6°			GEO = Geotech Sample	_
O DEPTH (ft)	SOIL SAMPLE ANALYSIS	GROUNDWATER LEVELS (BTOC)	PID (In ppm)	GRAPHIC LOG	T =	11011		ATERIAL DESCRIPTION	WELL DIAGRAM
├ ┤						psoil/Silt, soft			
- 5 -			0	5.0		M) Silty Grave	el bro	own to tan, rounded to subrounded, dry	_
10				500	``	,,	.,	· · · · · · · · · · · · · · · · · · ·	
	GB		0	pjg					
- 15 -			0	5/3					
			0						
9 - 25 -	— GВ		0	25.0	ol Fi	eld Chloride = 4	450 i	mg/Kg	
GS\6375 - SCOUT EH FEDERAL #6 - BORING LOGS.GPJ 1 2 2 2 2 2 2 2 2 2	(00	,		_	<u> </u>			om of borehole at 25.0 feet.	
- BO									
AL #6									
EDER									
H									
TUO									
2 - 80									
S\537									
PIO 0									
\GIN1									
FILES									
D NIL									
ORAF									
 R:									
15:19									
5/9/23									
)- TO									
US.G									
STD									
- GIN									
L BH									
ENTA									
ONM									
ENVIRONMENTAL BH - GINT STD US.GDT - 5/9/23 15:19 - R.IDRAFTING FILESIGINT LO									



Ranger Environmental Services, LLC P.O. Box 201179,

BORING NUMBER B-3 PAGE 1 OF 1

	1	ENV	IRONMENTAL	SERVICES, LLC		35-1785	
CLIEN	NT EOG	Resources	s, Inc.		Fax. (512)335-		
PROJ	ECT NUM	IBER 537					Mexico
DATE	STARTE	D 11/12/2	22	COMPL	ETED 11/12/22	GROUND WATER LEVELS:	
DRILI	LING CON	NTRACTOR	HCI			- AT TIME OF DRILLING Dry	
DRILI	ING MET	T HOD Air F	Rotary			AFTER ROULING	
LOGG	SED BY _	William Kei	nnedy	CHECK	ED BY Patrick Finn		
GPS (COORDIN	IATES <u>32.</u>	.706271°, -	-104.47041	0°	GB = Grab Sample GEO = Geotech Sample	
O DEPTH (ff)	SOIL SAMPLE ANALYSIS	GROUNDWATER LEVELS (BTOC)	PID (In ppm)	GRAPHIC LOG	N	MATERIAL DESCRIPTION	WELL DIAGRAM
					Topsoil/Silt, soft		
- 5 - 	-		0	5.0		ed to brown, rounded to subrounded, dry	_
10				593			
]		0	5/2			
15 -	1		0				
[
			0	Pars			
9 25 -			0	0 0 25			
 0 					(ML) Clayey Silt, br	own, very stiff, dry	
[30			1				
ģ							
- J			1.1				
- 40 -	GB		5.8				
- 100 - 15	- 05						
- 45 - چن	-		2.2				
- 50 - 50	-		0		Field Chloride = 60) ma/Ka	
의- 불- 55 -				55.		v many	
	-		0		(CL) Clay, gray, stif	f, moist	-
= 60 =	\bigcup_{GB}		0	60	0 Field Chloride = 45	0 mg/Kg	
Ž L		,				ttom of borehole at 60.0 feet.	1
ENVIRONMENTAL BH - GINT STD US. GDT - 5/9/23 15:19 - R: UPRAFTING FILES/IGINT LOGS/6375 - SCOUT EH FEDERAL #6 - BORING LOGS GPJ							

MA	RANGER
	ENVIRONMENTAL SERVICES, LLC

Ranger Environmental Services, LLC

BORING NUMBER B-1.A

	/ /	* 1	ENVI	RONMENTAL	SERVICES, L	Austin, Texas Phone: (512)3 Fax: (512)335-	78720 35-1785	OF 2						
0	LIENT	EOG	Resources,	Inc.		Fax: (512)335-								
			BER 5375					Mexico						
0	ATE S	TARTE	d 4/25/23		COME	PLETED _4/25/23	GROUND WATER LEVELS:							
0	RILLIN	NG CON	TRACTOR				CROOND WATER ELVELO.							
- 1														
	.OGGE	D BY _\	Nill Kierdorf	f	CHEC	KED BY Patrick Finn	BTOC = Below Top Of Casing							
G	SPS CC	ORDIN	ATES				GB = Grab Sample GEO = Geotech Sample							
	O (ft)	SOIL SAMPLE ANALYSIS	GROUNDWATER LEVELS (BTOC)	PID (In ppm)	GRAPHIC		MATERIAL DESCRIPTION		WELL DIAGRAM					
-	5 -			0			Silt, light gray to brown gray, soft, weathered, and sand, subrounded gravel, dry, caliche							
AL #6 - BORING LOGS.GPJ	15 -			0		(GM-GC) Silty Grav subrounded, <2" di dry	vel, light gray, pebbles, fine to coarse grained, ameter, poorly sorted, minor clay and sand, Silt, light gray, medium soft, weathered,							
3\5375 - SCOUT EH FED	25 -			0		in parts, gravelly	ht gray, medium stiff, dry, friable, cemented							
S/GINT LOGS	30			0		31.0	t gray, hard, gravelly pht red-brown, stiff, dry, low plasticity, friable,							
3 15:18 - R:\DRAFTING FILI	35 -			0		cemented in part	increa-brown, sun, dry, low plasticity, mable,							
NT STD US.GDT - 5/9/2.	45 -			0	KKKKK.		orown, low plasticity, soft, damp, minor sand, clayey		Riser					
NVIRONMENTAL BH - GIR	50 - 55			0										

CLIENT EOG Resources, Inc.



Ranger Environmental Services, LLC P.O. Box 201179,

P.O. Box 201179, Austin, Texas 78720 BORING NUMBER B-1.A
PAGE 2 OF 2

Phone: (512)335-1785 Fax: (512)335-0527

PROJECT NAME Scout EH Federal #6

	PROJE	ECT NUM	IBER <u>537</u>	5		PROJECT LOCATION Eddy County, New	Mexico
	DEPTH (ft)	SOIL SAMPLE ANALYSIS	GROUNDWATER LEVELS (BTOC)	PID (In ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
Ī				0		(ML) Silt, light red-brown, low plasticity, soft, damp, minor sand, cemented in part, clayey <i>(continued)</i>	
-	60	GB		0			
-	- 65 			0	65	(SM) Silty Sand, light gray to brown, very fine to fine grained, poorly graded, loose, minor clay, cemented siltstone in part	
-	70			0	70	(ML) Silt/Siltstone, light gray, very fine grained,minor clay, sandy at top, more siltstone with depth	
OGS.GPJ	75			0	75		
L #6 - BORING	80	GB		0		Field Chloride = 300 mg/Kg	
UT EH FEDERA	 - 85 - 				85	(CL) Silty Clay, dark gray, stiff, damp, plastic, minor sand, poor	
GS\5375 - SCO	90					recovery below 85'	
ENVIRONMENTAL BH - GINT STD US.GDT - 5/9/23 15:18 - R\DRAFTING FILES\GINT LOGS\6375 - SCOUT EH FEDERAL #6 - BORING LOGS.GPJ	95 -						Temporary Well Screen
15:18 - R:\DRAF	100						
GDT - 5/9/23 1	105				10	D5.0 Bottom of borehole at 105.0 feet.	
SINT STD US.							
JENTAL BH - C							
ENVIRON							

SOIL SAMPLE ANALYSIS

DEPTH (ft)

5

10

15

20

25

30

35

40

45

50

GB

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



PID (In ppm)

0

0

0

0

0

0

0

0

0

0

GRAPHIC LOG

0 10.0

15.0

28.0

ΔΔ

35.0

 \triangle 431.0 Ranger Environmental Services, LLC P.O. Box 201179,

Austin, Texas 78720 Phone: (512)335-1785

BORING	NUMBER B-3.A
DAGE 1 OF 2	

	Fax: (512)335-0527
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	W25/23 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	

GPS COORDINATES GROUNDWATER LEVELS (BTOC)

	GROUND WATER LEVELS:					
	AT TIME OF DRILLING Dry					
AFTER DRILLING 73.18 ft on 4/28/2023 BY Patrick Finn BTOC = Below Top Of Casing GB = Grab Sample						
	GEO = Geotech Sample	1				
MA	ATERIAL DESCRIPTION	WELL DIAGRAM				
		0 . 1				
(ML-GM) Gravelly Si	It, light gray to brown gray, soft, weathered,	Casi	ing Typ	oe: 2" Diameter Temp. Well		
friable, minor clay an	d sand, grades to sandy silt, dry, caliche					
,	, , ,					
(ML) Silt, soft, weathered, light brown, friable, gravelly and						
sandy, minor clay, dr	у					
(GW-GM) Silty Grave	el, light gray, fine to coarse grained sand,					
pebbles, <2" diamete	er, subrounded, clayey, dry					
(NAL) OL OHE Hall	A A					
plasticity, cemented	t tan-brown to gray, stiff, dry, friable, low in part					
praementy, commented	par					
Conglomerate, light of	gray, quartz, hard, gravelly					
(ML) Clayey Silt, ligh	t tan, red-brown, stiff, dry, friable, cemented					
in part	·					
(ML) Silt, tan, red-bro	own, clayey, medium stiff, dry, moderately					
plastic, minor conglo	merate inclusions, sandy, minor cemented					
portions, moist						
				⊢ Riser		
				171901		
		F1 4	1:			

PROJECT NUMBER 5375



Ranger Environmental Services, LLC P.O. Box 201179, Austin, Texas 78720

BORING NUMBER B-3.A

Phone: (512)335-1785 Fax: (512)335-0527 CLIENT EOG Resources, Inc.

PROJECT NAME Scout EH Federal #6

PROJECT LOCATION Eddy County, New Mexico

SOIL SAMPLE ANALYSIS GROUNDWATER LEVELS (BTOC) PID (In ppm) GRAPHIC LOG MATERIAL DESCRIPTION WELL DIAGRAM 0 (ML) Silt, tan, red-brown, clayey, medium stiff, dry, moderately plastic, minor conglomerate inclusions, sandy, minor cemented portions, moist (continued) 60 60.0 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 65.0 Field Chloride = 600 mg/Kg 0 (ML) Silt, light gray, very fine grained, medium soft, friable, clayey, minor sand, grades to dark gray at 70', damp soil 70 GB 0 1 ENVIRONMENTAL BH - GINT STD US, GDT - 5/9/23 15:18 - R;DRAFTING FILES/GINT LOGS\5375 - SCOUT EH FEDERAL #6 - BORING LOGS. GP, 75 0 (ML) Clayey Silt, dark gray to medium brown, medium soft to stiff, damp 80 0 GB 85 85.0 0 (CL) Silty Clay, gray-brown, stiff, damp, plastic, minor sand throughout 90 0 95 0 Temporary Well Screen

Bottom of borehole at 105.0 feet.

Silty Clay, as above

100

105

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

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

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

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:	OGRID:
EOG RESOURCES INC	7377
P.O. Box 2267	Action Number:
Midland, TX 79702	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