

SITE CHARACTERIZATION AND PROPOSED REMEDIATION PLAN

NICHOLAS BJ BATTERY - PIPELINE
UNIT L, SECTION 4, TOWNSHIP 19S, RANGE 25E
EDDY COUNTY, NEW MEXICO
32.68956, -104.49861
RANGER REFERENCE NO. 5375

PREPARED FOR:

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

PREPARED BY:

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

JANUARY 26, 2022

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

William Kierdorf, REM Project Manager

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FORM C-141

FIGURES

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- Water Well Location Map
- National Wetland Inventory Map
- FEMA Floodplain Map
- Karst Topography Map
- Assessment Sample Location Map
- Proposed Excavation Area Map

TABLES

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

ATTACHMENTS

- Attachment 1 Depth-to-Groundwater Data
- Attachment 2 Photographic Documentation
- Attachment 3 Laboratory Analytical Reports
- Attachment 4 Howell Ranch Seed Mixture



SITE CHARACTERIZATION AND PROPOSED REMEDIATION PLAN NICHOLAS BJ BATTERY - PIPELINE UNIT L, SECTION 4, TOWNSHIP 19S, RANGE 25E EDDY COUNTY, NEW MEXICO 32.68956, -104.49861 RANGER REFERENCE NO. 5375

1.0 SITE LOCATION AND BACKGROUND

On August 5, 2021, during a site visit tour, Howell Ranch Revocable Trust representatives reported an area of concern to EOG Resources Inc. (EOG). The area of concern was reported to EOG due to the lack vegetation growth. The area, dubbed the "*Nicholas BJ Battery – Pipeline*" (Site), is located to the east of the Nicholas BJ #1 tank battery on private land, approximately 12 miles southwest of Artesia, within Eddy County, New Mexico. The Site is situated in Unit L, Section 4, T19S-R25E at GPS coordinates 32.68956, -104.49861.

EOG subsequently engaged Ranger Environmental Services, Inc. (Ranger) to assist in the assessment, remediation, and reclamation efforts at the Site. On September 2, 2021, Ranger personnel conducted an initial assessment of the reported area of concern. Based on the results of the initial assessment activities, the area of concern was reported to the New Mexico Oil Conservation Division (NMOCD) on September 28, 2021 (NMOCD Incident # nAPP2127158509).

The following site characterization and proposed remediation work plan has been prepared to address the soil impacts at the Site. A copy of the previously submitted Form C-141 Release Notification, as well as the Site Assessment/Characterization and Remediation Plan sections of Form C-141, are attached. A Topographic Map and Area Map noting the location of the subject Site and surrounding areas, and a Site Map illustrating the Site features and sampling locations, are provided in the Figures section.

2.0 SITE CHARACTERIZATION

2.1 Depth-to-Groundwater

To determine the depth-to-groundwater in the vicinity of the Site, data available from the U.S. Geological Survey (USGS) and the New Mexico Office of the State Engineer (NMOSE) was reviewed. Based upon the reviewed information, one water well (RA 05331) was documented to be located within a half-mile of the Site.

Based on the available information, the depth to groundwater appears to be greater than 100 feet below ground surface (bgs). However, the available water level data is greater than 25 years old and as such is not considered acceptable by the NMOCD for current site characterization purposes.

A Water Well Location Map and copies of the reviewed depth-to-groundwater information are attached.

STATE OF TEXAS PROFESSIONAL GEOSCIENTIST FIRM NO. 50140 • STATE OF TEXAS PROFESSIONAL ENGINEERING FIRM NO. F-6160

P.O. BOX 201179 AUSTIN, TX 78720

OFFICE: 512/335-1785 FAX: 512/335-0527

2.2 Wellhead Protection Area

The USGS and NMOSE information indicate that one water well (RA 05331) is present within a half-mile radius of the Site.

Upon review of the National Wetland Inventory, the Site is not within 300 feet of a mapped feature.

The Site and impacted area are 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 "Medium Karst" probability.

2.3 Distance to Nearest Significant Watercourse

Based upon available online resources, no significant watercourses are present within a half-mile of the site.

2.4 Closure Criteria

Based upon the site characterization details, lack of recent depth-to-groundwater data, and per NMAC 19.15.29.12, the Site will be remediated to the Table 1 19.15.29.12 NMAC (groundwater <50 feet) criteria. Additionally, the remediation activities will be conducted to bring the area 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:

| REGULATORY STANDARD | CHLORIDE | TPH (GRO+DRO +MRO) | ВТЕХ | BENZENE |
|---|----------|--------------------------|------|---------|
| 19.15.29.12 NMAC Table 1 Closure Criteria for Soils Impacted by a Release (GW ≤50') & 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 <u>September 2, 2021 – Initial Site Assessment</u>

On September 2, 2021, Ranger personnel and representatives for EOG mobilized to the Site to conduct an initial assessment of the reported area of concern. Ten soil samples were collected from five locations (S-1 through S-5 locations) within the reported area of concern. At each of the five locations, soil samples were collected for laboratory analysis from the surface and from a depth of one foot below ground surface (bgs). Due to the presence of unmarked underground utilities in the area, the assessment process was limited to the surface and one-foot depth interval.



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

A site map depicting the assessment sample locations is attached.

3.2 <u>Sample Results (September 2, 2021 Initial Assessment Samples)</u>

Both of the soil samples (surface and one-foot samples) collected from the S-1 location were found to contain chloride concentrations in excess of the applicable 600 ppm regulatory criteria. No exceedances of the 600 ppm regulatory criteria for chloride were found at the remaining sample locations (S-2 through S-5). The laboratory results also documented exceedances of the 100 ppm regulatory criteria for TPH (GRO+DRO+MRO) in four samples collected from three of the sampling locations (S-1, S-2 and S-3). All BTEX concentrations were documented to be below the laboratory detection limits.

The soil sample analytical results are summarized in the attached soil analytical table. A copy of the laboratory analytical report is also attached.

3.3 Line Locate Hydrovac Activities – December 2021

Multiple underground lines were found to be present in the vicinity of the reported area of concern; however, the exact location of the lines could not be determined due to their materials of construction (poly/PVC). In order to safely assess the area of concern, the locations of the lines first had to be determined. During December 2021, representatives for EOG conducted hydrovac activities to determine the exact location of the area lines. The hydrovac activities were successful in locating all lines reported to be present in the area, allowing for the safe assessment of the area. On December 21, 2021, the hydrovac activities were completed.

3.4 December 22, 2021 – Additional Site Assessment

On December 22, 2021, following the completion of the hydrovac line locate activities, Ranger personnel and representatives for EOG returned to the site to conduct additional assessment of the area of concern, including delineation of the vertical and horizontal extent of the soil impacts documented during the September 2021 initial site assessment activities. The assessment activities included the installation of test excavations, field screening of the test excavation soils at the surface and one-foot intervals thereafter using an organic vapor monitor (OVM) and field chloride titration kits, and the collection of soil samples for laboratory analysis.

A total of seven (7) test excavations (S-6 through S-12) were installed and sampled on December 22, 2021. To vertically delineate the extent of the TPH and chloride impacts documented at the S-1 through S-3 locations, test excavation S-12 was completed in between these previous sampling locations. For horizontal delineation purposes, the remainder of the test excavations were completed in strategic locations moving outward from the S-1 through S-3 locations. The test excavations were completed to depths of approximately 4'-6' bgs.

With the exception of test excavation S-12, none of the test excavation soils were found to exhibit elevated OVM readings or field chloride titration results. Slightly elevated field chloride readings



were obtained to a depth of approximately 4' bgs in test excavation S-12; however, no elevated OVM readings were obtained in this test excavation.

Two soil samples were subsequently collected from each test excavation for laboratory analysis. This included the collection of a soil sample from test excavation S-12 at the depth interval found to exhibit the highest field chloride titration result. Upon collection, the soil samples were submitted to Hall Environmental in Albuquerque, New Mexico for analysis of TPH, BTEX, and chloride using the aforementioned laboratory methods. The samples were collected and managed using standard QA/QC and chain-of-custody procedures.

3.5 <u>Sample Results (December 22, 2021 Assessment Samples)</u>

All of the soil analytical results for the December 22, 2021 soil samples were found to be either nondetectable or below the site closure criteria with the exception of the sample collected from test excavation S-12 at a depth of 3' bgs. This sample was found to contain a slightly elevated chloride result (920 mg/Kg).

The soil sample analytical results are summarized in the attached soil analytical table. A copy of the laboratory analytical report is also attached.

4.0 PROPOSED REMEDIATION PLAN

4.1 Soil Excavation and Confirmation Sampling

To address the elevated soil chloride and TPH concentrations, soil excavation is proposed to be completed at the Site to boundaries and depths anticipated to be within the applicable site closure criteria. The initial proposed excavation area is anticipated to have maximum dimensions of approximately 37' long by 25'-40' wide and will be completed to depths of approximately 1'-5' bgs. A *Proposed Excavation Area Map* is attached which depicts the proposed excavation boundaries and depths.

During the remedial excavation activities, Ranger personnel will utilize an OVM and field chloride titration kits to guide the excavation process and determine when all affected soils appear to have been removed. Based on the field readings, the excavation boundaries will be adjusted as necessary. At such point in time that the field screening activities indicate that all affected soils appear to have been removed, cleanup confirmation soil samples will be collected for laboratory analysis. The samples will be collected in accordance with NMAC 19.15.29.12(D), as five-part composite samples with each sample representing no more than 200 square feet. The sample parts will be collected from various locations and depths along the excavation side walls and base. Upon collection, the composite sample parts will be placed into a new Ziplock® bag, thoroughly mixed, and a sample for laboratory analysis will be collected from the mixture.

Based on the cleanup confirmation soil sample results, if any area is found to remain in exceedance of the applicable regulatory closure criteria, the area will be further over-excavated and additional cleanup confirmation soil samples will be collected in accordance with NMAC 19.15.29.12(D), as five-part composite samples with each sample representing no more than 200 square feet.

The cleanup confirmation soil samples will be collected using standard QA/QC procedures, placed into laboratory-supplied containers, and will be immediately placed into a sample shuttle



containing ice. The samples will be transported to an approved laboratory for analysis of TPH using EPA Method 8015; BTEX using EPA Method 8021; and, total chloride using EPA Method 300.

Based on the proposed excavation boundaries and depths, it is anticipated that approximately 225 cubic yards of material will be generated during the site remediation process. The excavated material will be transported off-site for disposal at an approved disposal facility.

4.2 <u>Site Backfill and Reclamation</u>

Upon attainment of the 19.15.29.13 NMAC Reclamation Criteria and Restoration Criteria, the excavated area will be backfilled to grade with clean fill material of similar type to that which was removed. Upon completion, the area will be re-vegetated with the James H & Betty R Howell Revocable Trust Seed Mix.

4.3 Remediation Schedule

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

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

5.0 SITE CLOSURE

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



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District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

| Incident ID | nAPP2127158509 |
|----------------|----------------|
| District RP | |
| Facility ID | |
| Application ID | |

Release Notification

Responsible Party

| , | | | | OGRID 7377 | | | | |
|--|----------------------|---|-----------------|---|-------------------------|--|--|--|
| Contact Name Chase Settle | | | | Contact Telephone 575-748-1471 | | | | |
| Contact ema | ^{il} Chase_ | Settle@eogre | sources.com | n | Incident # | (assigned by OCD) nAPP2127158509 | | |
| Contact mai | ling address | 104 S. 4th Str | eet, Artesia, | NM 88 | | | | |
| | | | Location | | | ource | | |
| Latitude 32. | .68956 | | (MAD 03: | | | 104.49861 | | |
| | | | (NAD 83 in a | | rees to 5 decim | | | |
| Site Name N | icholas B | J Battery- Pipe | eline | | Site Type F | ripeline | | |
| Date Release | Discovered | 9/23/2021 | | | API# (if app | | | |
| Unit Letter | Section | Township | Range | | Coun | ty | | |
| L | 4 | 19S | 25E | Eddy | | | | |
| Surface Owne | | | Nature an | ıd Volu | ıme of F | evocable Trust Release justification for the volumes provided below) | | |
| Crude Oi | 1 | Volume Release | ed (bbls) | | | Volume Recovered (bbls) | | |
| ☑ Produced | Water | Volume Release | ed (bbls) Unkno | own | | Volume Recovered (bbls) 0 | | |
| | | Is the concentrate produced water | | l chloride | in the | ✓ Yes No | | |
| Condensate Volume Released (bbls) | | | | | Volume Recovered (bbls) | | | |
| ☐ Natural Gas Vol | | Volume Released (Mcf) | | | Volume Recovered (Mcf) | | | |
| Other (describe) Volume/Weight Released (provide units | | ide units) | | Volume/Weight Recovered (provide units) | | | | |
| Cause of Rel | invest | ical impacts repigate the area of the the area of the likely brea | determined on | า 9/23/21 | i based o | he environmental consultant contracted to n the impacted area footprint that the release eshold. | | |

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| Was this a major release as defined by | If YES, for what reason(s) does the respon | nsible party consider this a major release? | | | | |
|--|--|--|--|--|--|--|
| 19.15.29.7(A) NMAC? | | | | | | |
| ☐ Yes ☑ No | | | | | | |
| | | | | | | |
| If YES, was immediate no | otice given to the OCD? By whom? To wh | nom? When and by what means (phone, email, etc)? | | | | |
| | | | | | | |
| | Initial Ro | esponse | | | | |
| The responsible p | | y unless they could create a safety hazard that would result in injury | | | | |
| ✓ The source of the rele | ease has been stopped. | | | | | |
| | s been secured to protect human health and | the environment. | | | | |
| Released materials ha | we been contained via the use of berms or d | ikes, absorbent pads, or other containment devices. | | | | |
| - | ecoverable materials have been removed and | | | | | |
| If all the actions described | d above have <u>not</u> been undertaken, explain v | why: | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation. | | | | | | |
| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. | | | | | | |
| Printed Name: Chase Settle Title: Rep Safety & Environmental Sr | | | | | | |
| Signature: Than | ettle | Date: 9/28/21 | | | | |
| email: Chase_Settle | @eogresources.com | Telephone: 575-748-1471 | | | | |
| | | | | | | |
| OCD Only | | | | | | |
| Received by: Ramona Marcus Date: 10/01/2021 | | | | | | |

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| Application ID | |

Site Assessment/Characterization

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

| What is the shallowest depth to groundwater beneath the area affected by the release? | (ft bgs) | | | | |
|---|------------|--|--|--|--|
| Did this release impact groundwater or surface water? | ☐ Yes ☐ No | | | | |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | ☐ Yes ☐ No | | | | |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)? | ☐ Yes ☐ No | | | | |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? | ☐ Yes ☐ No | | | | |
| Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes? | ☐ Yes ☐ No | | | | |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | ☐ Yes ☐ No | | | | |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? | ☐ Yes ☐ No | | | | |
| Are the lateral extents of the release within 300 feet of a wetland? | ☐ Yes ☐ No | | | | |
| Are the lateral extents of the release overlying a subsurface mine? | ☐ Yes ☐ No | | | | |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | ☐ Yes ☐ No | | | | |
| Are the lateral extents of the release within a 100-year floodplain? | ☐ Yes ☐ No | | | | |
| Did the release impact areas not on an exploration, development, production, or storage site? | ☐ Yes ☐ No | | | | |
| Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics. | | | | | |
| Characterization Report Checklist: Each of the following items must be included in the report. | | | | | |
| Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells. Field data Data table of soil contaminant concentration data Depth to water determination Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release Boring or excavation logs Photographs including date and GIS information Topographic/Aerial maps Laboratory data including chain of custody | | | | | |

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

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

Remediation Plan

| Remediation Plan Checklist: Each of the following items must b | e included in the plan. |
|---|--|
| □ Detailed description of proposed remediation technique □ Scaled sitemap with GPS coordinates showing delineation poin □ Estimated volume of material to be remediated □ Closure criteria is to Table 1 specifications subject to 19.15.29. □ Proposed schedule for remediation (note if remediation plan times) | 12(C)(4) NMAC |
| <u>Deferral Requests Only</u> : Each of the following items must be con | nfirmed as part of any request for deferral of remediation. |
| Contamination must be in areas immediately under or around predeconstruction. | roduction 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 | n, the environment, or groundwater. |
| | e and remediate contamination that pose a threat to groundwater, acceptance of a C-141 report does not relieve the operator of |
| Printed Name: | Title: |
| Signature: | Date: |
| email: | Telephone: |
| OCD Only | |
| Received by: | Date: |
| ☐ Approved ☐ Approved with Attached Conditions of | Approval |
| Signature: | <u>Date:</u> |

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Closure

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

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

| ☐ A scaled site and sampling diagram as described in 19.15.29.1 | 1 NMAC |
|--|---|
| Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection) | of the liner integrity if applicable (Note: appropriate OCD District office |
| ☐ Laboratory analyses of final sampling (Note: appropriate ODC | C District office must be notified 2 days prior to final sampling) |
| ☐ Description of remediation activities | |
| | |
| and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of | nediate contamination that pose a threat to groundwater, surface water, a C-141 report does not relieve the operator of responsibility for tions. The responsible party acknowledges they must substantially neditions that existed prior to the release or their final land use in CD when reclamation and re-vegetation are complete. |
| Signature: | Date: |
| email: | Telephone: |
| | |
| OCD Only | |
| Received by: | Date: |
| | of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations. |
| Closure Approved by: | Date: |
| Printed Name: | Title: |

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

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

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

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 52548

CONDITIONS

| Operator: | OGRID: |
|-------------------|---|
| EOG RESOURCES INC | 7377 |
| P.O. Box 2267 | Action Number: |
| Midland, TX 79702 | 52548 |
| | Action Type: |
| | [C-141] Release Corrective Action (C-141) |

CONDITIONS

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

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|---------------------------|------------|----------------|---|
| | ncident ID | nAPP2127158509 | |

| Incident ID | nAPP2127158509 |
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| District RP | |
| Facility ID | |
| Application ID | |

Site Assessment/Characterization

| This information must be provided to the appropriate district office no taler than 90 days after the release discovery date. | |
|---|-----------------------|
| What is the shallowest depth to groundwater beneath the area affected by the release? | >100 (ft bgs) |
| Did this release impact groundwater or surface water? | Yes No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | ☐ Yes ☐ No |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)? | ☐ Yes ⊠ No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? | ☐ Yes ⊠ No |
| Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes? | ☐ Yes ⊠ No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | ☐ Yes ⊠ No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? | ☐ Yes ☐ No |
| Are the lateral extents of the release within 300 feet of a wetland? | ☐ Yes ⊠ No |
| Are the lateral extents of the release overlying a subsurface mine? | |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | Yes No |
| Are the lateral extents of the release within a 100-year floodplain? | Yes No |
| Did the release impact areas not on an exploration, development, production, or storage site? | ☐ Yes ⊠ No |
| | Yes No |
| Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics. | tical extents of soil |
| Characterization Report Checklist: Each of the following items must be included in the report. | |

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

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

Received by OCD: 3/11/2022 9:22:51 AM
State of New Mexico
Page 4
Oil Conservation Division

| | Page 17 of 7. |
|----------------|----------------|
| Incident ID | nAPP2127158509 |
| District RP | |
| Facility ID | |
| Application ID | |

| | Page 18 of | 79 |
|----------------|----------------|---------------|
| Incident ID | nAPP2127158509 | |
| District RP | | |
| Facility ID | | |
| Application ID | | |

Remediation Plan

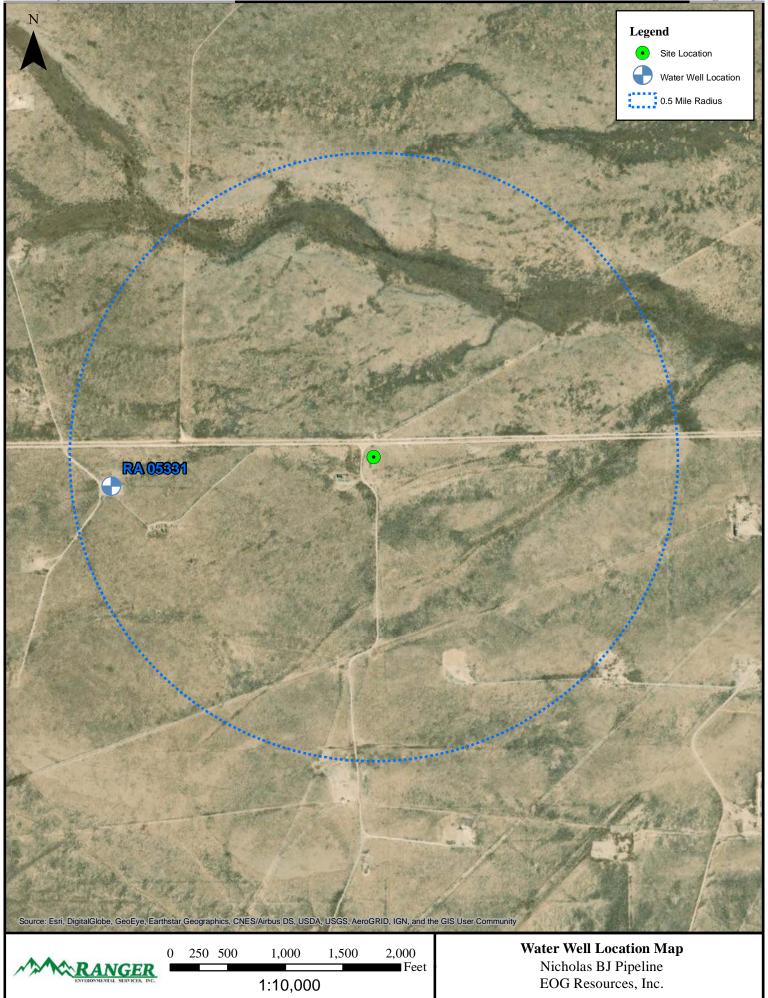
| Remediation Plan Checklist: Each of the following items must be included in the plan. | | | | | | |
|---|--|--|--|--|--|--|
| ☑ Detailed description of proposed remediation technique ☑ Scaled sitemap with GPS coordinates showing delineation points ☑ Estimated volume of material to be remediated ☑ Closure 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 confirmed as part of any request for deferral of remediation. | | | | | | |
| Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction. | | | | | | |
| Extents of contamination must be fully delineated. | | | | | | |
| Contamination does not cause an imminent risk to human health | Contamination does not cause an imminent risk to human health, the environment, or groundwater. | | | | | |
| | e and remediate contamination that pose a threat to groundwater, acceptance of a C-141 report does not relieve the operator of aws and/or regulations. | | | | | |
| OCD Only Received by: | Date: | | | | | |
| | | | | | | |
| Signature: Jennifer Nobui | Date: 03/22/2022 | | | | | |

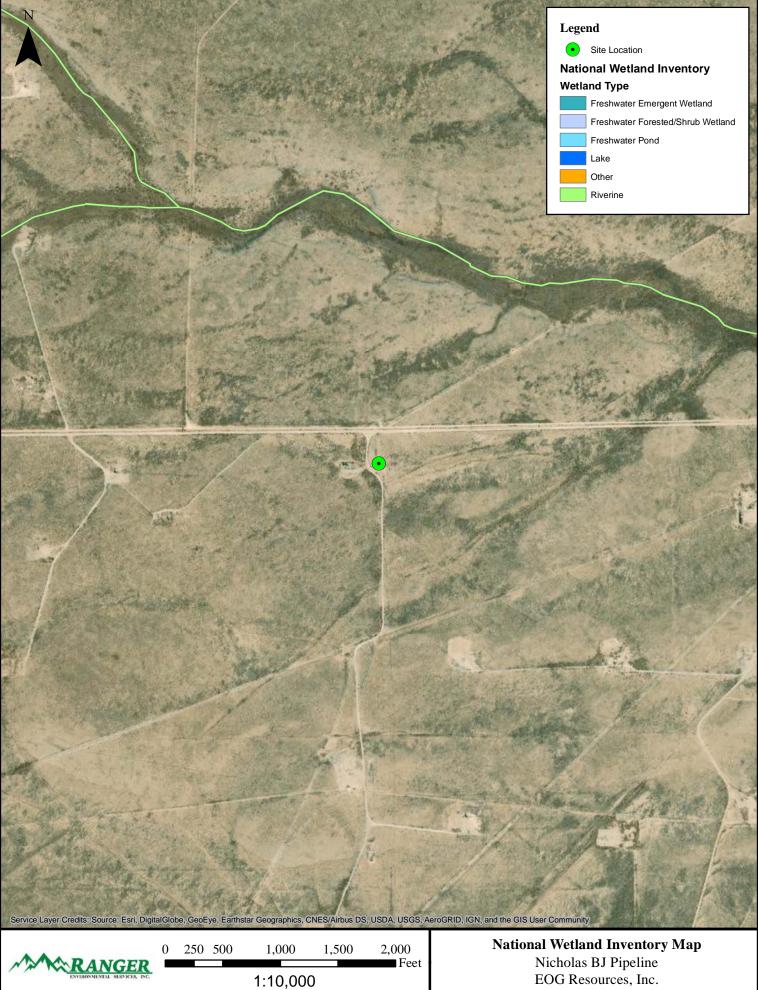
FIGURES

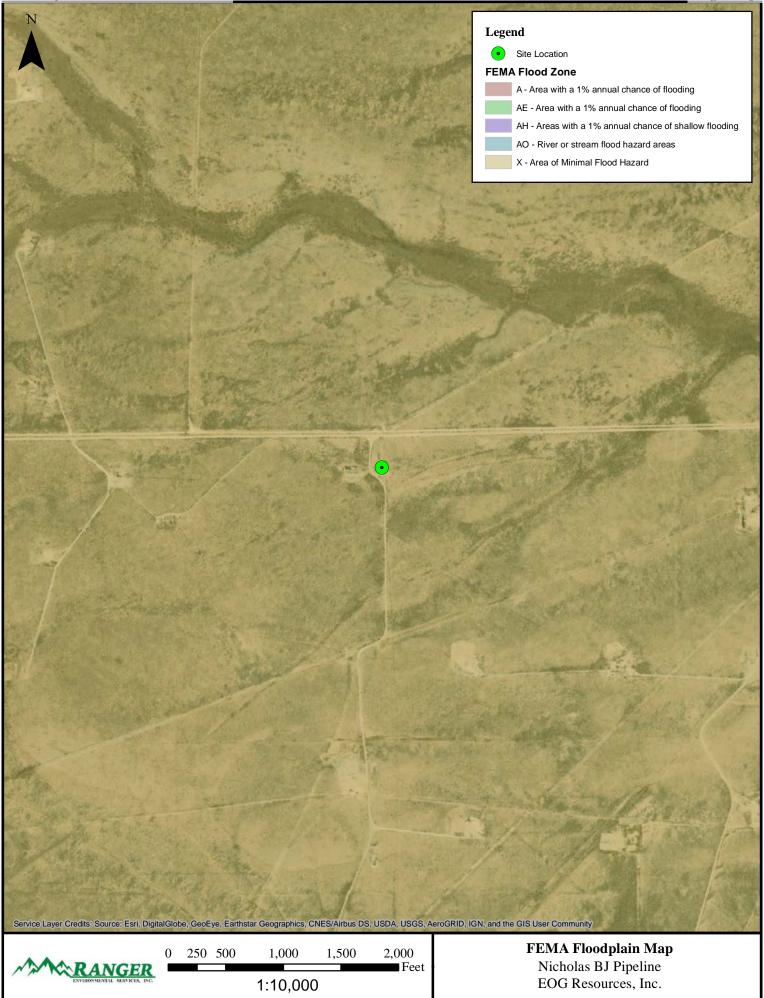
Topographic Map
Area Map
Water Well Location Map
National Wetland Inventory Map
FEMA Floodplain Map
Karst Topography Map
Sample Location Map (08/31/2021)
Proposed Excavation Map

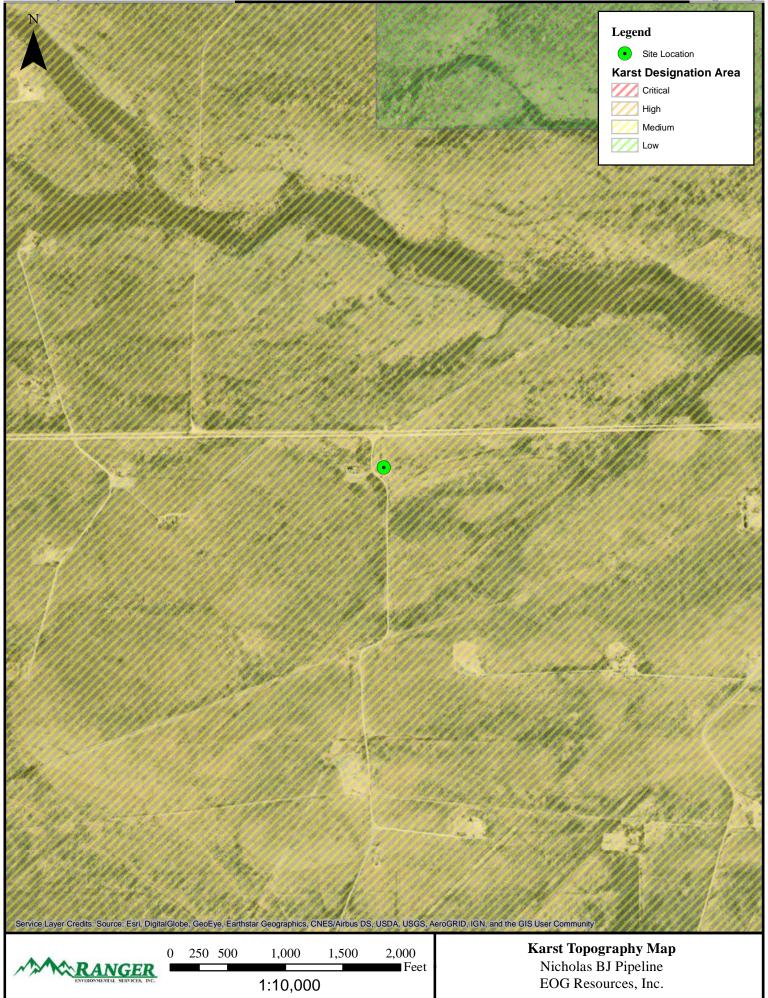
EOG Resources, Inc.

1:24,000

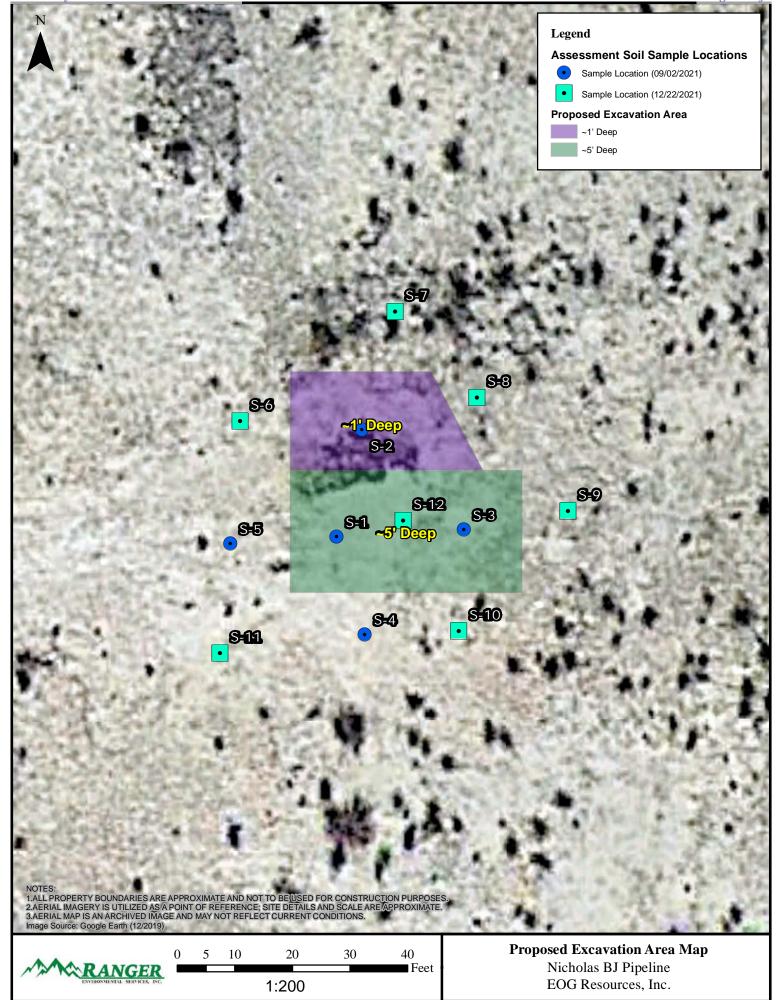












TABLES

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

SOIL BTEX (EPA 8021), TPH (SW 8015) & CHLORIDE (EPA 300) ANALYTICAL DATA EOG RESOURCES, INC. NICHOLAS BJ #1 (Pipeline)

| All values presented in parts per million (mg/Kg) | | | | | | | | | | | | | |
|---|----------------|---------------|------------------|------------------|-------------------|------------------|-----------------|-------------------|--------------------|--------------------|------------------|--------------------------|------------|
| SAMPLE ID | DATE | DEPTH (FT) | BENZENE | TOLUENE | ETHYL- BENZENE | TOTAL XYLENES | TOTAL BTEX | TPH GRO C6-C10 | TPH DRO C10-C28 | TPH MRO C28-C36 | TPH (GRO+DRO) | TPH (GRO+DRO+ MRO) | CHLORIDE |
| itial Site Assessment - Sept | | | | | | | | | | | | | |
| S-1/Surface | 9/2/2021 | Surface | <0.025 | <0.050 | < 0.050 | <0.099 | <0.10 | <5.0 | <9.5 | <48 | <9.5 | <48 | 880 |
| S-1/1' | 9/2/2021 | 1' | <0.025 | <0.049 | <0.049 | <0.098 | <0.10 | <4.9 | 1,500 | 2,500 | 1,500 | 4,000 | 1,400 |
| 0.0/0 | 0/0/0004 | 0 | 0.005 | 0.050 | 0.050 | 0.40 | 0.40 | 5.0 | 50 | 0.40 | | 298 | 00 |
| S-2/Surface S-2/1' | 9/2/2021 | Surface 1' | <0.025 <0.024 | <0.050 <0.047 | <0.050 <0.047 | <0.10 <0.095 | <0.10 | <5.0 <4.7 | 58 <9.5 | 240 <48 | 58 <9.5 | <48 | <60 240 |
| 5-2/1 | 9/2/2021 | | <0.024 | <0.047 | <0.047 | <0.095 | <0.09 | <4.1 | <9.5 | <40 | <9.5 | <40 | 240 |
| S-3/Surface | 9/2/2021 | Surface | <0.024 | <0.049 | <0.049 | < 0.097 | <0.10 | <4.9 | 19 | 95 | 19 | 114 | 260 |
| S-3/1' | 9/2/2021 | 1' | <0.025 | <0.049 | <0.049 | < 0.099 | <0.10 | <4.9 | 250 | 530 | 250 | 780 | 410 |
| | | | • | • | • | | | • | | • | • | • | |
| S-4/Surface | 9/2/2021 | Surface | <0.025 | <0.049 | <0.049 | <0.098 | <0.10 | <4.9 | <9.2 | <46 | <9.2 | <46 | <59 |
| S-4/1' | 9/2/2021 | 1' | <0.024 | <0.049 | <0.049 | <0.098 | <0.10 | <4.9 | <9.8 | <49 | <9.8 | <49 | <60 |
| | T I | | | | | | | | | | | | |
| S-5/Surface | 9/2/2021 | Surface | <0.024 | <0.048 | <0.048 | <0.097 | <0.10 | <4.8 | <9.4 | <47 | <9.4 | <47 | <61 |
| S-5/1' | 9/2/2021 | 1' | <0.025 | <0.049 | <0.049 | <0.099 | <0.10 | <4.9 | <9.7 | <49 | <9.7 | <49 | <60 |
| te Assessment - December | 22. 2021 | | | | | | | | | | | | |
| S-6/0 | 12/22/2021 | Surface | <0.024 | <0.047 | <0.047 | <0.095 | <0.09 | <4.7 | <9.4 | <47 | <9.4 | <47 | <59 |
| S-6/4 | 12/22/2021 | 4' | <0.024 | <0.048 | <0.048 | < 0.096 | <0.10 | <4.8 | <9.8 | <49 | <9.8 | <49 | <59 |
| | | | • | • | • | | | | | | • | • | |
| S-7/0 | 12/22/2021 | Surface | < 0.023 | <0.047 | < 0.047 | < 0.093 | <0.09 | <4.7 | <9.7 | <48 | <9.7 | <48 | <60 |
| S-7/4 | 12/22/2021 | 4' | <0.024 | < 0.049 | < 0.049 | <0.098 | <0.10 | <4.9 | <9.8 | <49 | <9.8 | <49 | <60 |
| | 1 | | | ı | ı | | | 1 | | | 1 | I | |
| S-8/0 | 12/22/2021 | Surface | <0.024 | <0.048 | <0.048 | < 0.097 | <0.10 | <4.8 | <9.8 | <49 | <9.8 | <49 | <60 |
| S-8/3 | 12/22/2021 | 3' | <0.023 | <0.047 | <0.047 | <0.094 | <0.09 | <4.7 | <9.6 | <48 | <9.6 | <48 | 210 |
| | | | | | | | | | | | | | |
| S-9/0 | 12/22/2021 | Surface | <0.025 | <0.049 | <0.049 | <0.098 | <0.10 | <4.9 | <9.9 | <50 | <9.9 | <50 | <59 |
| S-9/4 | 12/22/2021 | 4' | <0.023 | <0.046 | <0.046 | <0.093 | <0.09 | <4.6 | <10 | <50 | <10 | <50 | 120 |
| 0-3/4 | 12/22/2021 | - | <0.023 | ₹0.040 | <0.040 | Q0.033 | <0.03 | V4.0 | 710 | <30 | <10 | <50 | 120 |
| S-10/0 | 12/22/2021 | Surface | <0.024 | <0.049 | <0.049 | <0.097 | <0.10 | <4.9 | <10 | <50 | <10 | <50 | <61 |
| | | 5' | | | | | | - | | | | | |
| S-10/5 | 12/22/2021 | 5 | <0.023 | <0.047 | <0.047 | <0.094 | <0.09 | <4.7 | <9.9 | <49 | <9.9 | <49 | 150 |
| 0.44/0 | 40/00/0004 | 0 | 0.000 | 0.040 | 0.040 | 0.000 | 0.00 | 1.0 | 0.0 | 10 | | 40 | 00 |
| S-11/0 S-11/4 | 12/22/2021 | Surface 4' | <0.023 <0.024 | <0.046 <0.048 | <0.046 <0.048 | <0.092 <0.097 | <0.09 <0.10 | <4.6 <4.8 | <9.6 <10 | <48 <50 | <9.6 <10 | <48 <50 | <60 140 |
| 5-11/4 | 12/22/2021 | 4 | <0.024 | <0.048 | <0.046 | <0.097 | <0.10 | <4.0 | <10 | <00 | <10 | <50 | 140 |
| C 12/2 | 12/22/2024 | 3' | *0 033 | -0.046 | -0.046 | -0.002 | ٠ <u>٠</u> ٥٥ | -16 | -10 | -E0 | -10 | -50 | 920 |
| S-12/3 | 12/22/2021 | 6' | <0.023 | <0.046 | <0.046 | <0.092 | <0.09 | <4.6 | <10 | <50 | <10 | <50 | |
| S-12/6 | 12/22/2021 | ь | <0.023 | <0.046 | <0.046 | <0.091 | <0.09 | <4.6 | <10 | <50 | <10 | <50 | 340 |
| 19.15.29.12 NMAC Table 1 C | | | 10 | | | | 50 | - | | | | 100 | 600 |
| 19.15.29.13 NMAC Re (0'-4' Soils | clamation Crit | • | 10 ³ | | | | 50 ³ | | | | | 100 ³ | 600 |

Notes:

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

^{2.} Results exceeding the NMAC Restoration, Reclamation and re-vegetation chloride concentration requirements are presented in bold red type.

^{3.} Value derived from the State of New Mexico Energy, Minerals and Natural Resources Department document Procedures for the Implementation of the Spill Rule (19.15.29 NMAC) dated September 6, 2019.



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 05331 4 05 19S 25E

546308 3616955*

Driller License:

353

Driller Company:

OSBOURN DRILLING & PUMP CO.

Driller Name:

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

04/13/1967

Plug Date:

Log File Date:

04/17/1967

PCW Rcv Date:

Source:

Shallow

Pump Type:

Pipe Discharge Size:

Estimated Yield:

Casing Size:

5.50

Depth Well:

460 feet

Depth Water:

305 feet

Water Bearing Stratifications:

Top Bottom Description 328

Limestone/Dolomite/Chalk

398

Other/Unknown

Casing Perforations:

Top Bottom

400 440

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.

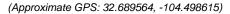
11/30/21 3:23 PM

POINT OF DIVERSION SUMMARY

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



PHOTOGRAPH NO. 1 – A view of the Area of Concern on September 2, 2021. The view is towards the north.



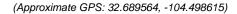


PHOTOGRAPH NO. 2 – A view of the assessment activities on September 2, 2021 in the vicinity of sample location "S-4". The view is towards the southwest.

(Approximate GPS: 32.689517, -104.498599)



PHOTOGRAPH NO. 3 – A view hydrovac activities on December 21, 2021. The view is towards the north.





PHOTOGRAPH NO. 4 – An additional view of hydrovac activities on December 21, 2021. The view is towards the west.

(Approximate GPS: 32.689564, -104.498615)



PHOTOGRAPH NO. 5 - A view of the assessment activities on December 22, 2021 in the vicinity of test excavation "S-12". The view is towards the southwest.

(Approximate GPS: 32.689572, -104.498577)



PHOTOGRAPH NO. 2 - A view of the assessment activities on December 22, 2021 in the vicinity of test excavation "S-8". The view is towards the west. (Approximate GPS: 32.689630, -104.498535)

| ATTACHMENT | 3 - LABORATORY | ANALYTICAL |
|-------------------|----------------|-------------------|
| | REPORTS | |



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

September 15, 2021

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

RE: Nicholas BJ T-Post OrderNo.: 2109228

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 10 sample(s) on 9/4/2021 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

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 9/15/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Client Sample ID: S-1/Surface

 Project:
 Nicholas BJ T-Post
 Collection Date: 9/2/2021 4:17:00 PM

 Lab ID:
 2109228-001
 Matrix: SOIL
 Received Date: 9/4/2021 8:30:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|-------------------------------------|--------|--------|------|-------|----|----------------------|-------|
| EPA METHOD 300.0: ANIONS | | | | | | Analyst | : VP |
| Chloride | 880 | 60 | | mg/Kg | 20 | 9/13/2021 3:56:06 PM | 62531 |
| EPA METHOD 8015M/D: DIESEL RANGE OR | GANICS | | | | | Analyst | SB |
| Diesel Range Organics (DRO) | ND | 9.5 | | mg/Kg | 1 | 9/9/2021 4:48:07 PM | 62465 |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 9/9/2021 4:48:07 PM | 62465 |
| Surr: DNOP | 132 | 70-130 | S | %Rec | 1 | 9/9/2021 4:48:07 PM | 62465 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | Analyst | mb |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 9/10/2021 9:43:00 PM | 62460 |
| Surr: BFB | 89.8 | 70-130 | | %Rec | 1 | 9/10/2021 9:43:00 PM | 62460 |
| EPA METHOD 8021B: VOLATILES | | | | | | Analyst | : mb |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 9/10/2021 9:43:00 PM | 62460 |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 9/10/2021 9:43:00 PM | 62460 |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 9/10/2021 9:43:00 PM | 62460 |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 9/10/2021 9:43:00 PM | 62460 |
| Surr: 4-Bromofluorobenzene | 79.1 | 70-130 | | %Rec | 1 | 9/10/2021 9:43:00 PM | 62460 |

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 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 Limit

Page 1 of 14

Date Reported: 9/15/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Client Sample ID: S-1/1'

 Project:
 Nicholas BJ T-Post
 Collection Date: 9/2/2021 4:20:00 PM

 Lab ID:
 2109228-002
 Matrix: SOIL
 Received Date: 9/4/2021 8:30:00 AM

Result **RL Oual Units DF** Date Analyzed **Batch** Analyses **EPA METHOD 300.0: ANIONS** Analyst: VP Chloride 1400 60 mg/Kg 20 9/13/2021 4:08:30 PM 62531 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) 1500 200 mg/Kg 20 9/9/2021 4:57:56 PM 62465 Motor Oil Range Organics (MRO) 2500 990 mg/Kg 20 9/9/2021 4:57:56 PM 62465 Surr: DNOP 9/9/2021 4:57:56 PM 0 70-130 S %Rec 62465 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: mb 9/10/2021 10:03:00 PM 62460 Gasoline Range Organics (GRO) ND 4.9 mg/Kg 1 Surr: BFB 89.1 %Rec 9/10/2021 10:03:00 PM 62460 70-130 **EPA METHOD 8021B: VOLATILES** Analyst: mb ND 9/10/2021 10:03:00 PM 62460 Benzene 0.025 mg/Kg Toluene ND 0.049 mg/Kg 9/10/2021 10:03:00 PM 62460 Ethylbenzene ND 0.049 mg/Kg 9/10/2021 10:03:00 PM 62460 Xylenes, Total ND 0.098 mg/Kg 9/10/2021 10:03:00 PM 62460 Surr: 4-Bromofluorobenzene 70-130 9/10/2021 10:03:00 PM 62460 76.7 %Rec

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 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 Limit

Page 2 of 14

Date Reported: 9/15/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Client Sample ID: S-2/Surface

 Project:
 Nicholas BJ T-Post
 Collection Date: 9/2/2021 4:22:00 PM

 Lab ID:
 2109228-003
 Matrix: SOIL
 Received Date: 9/4/2021 8:30:00 AM

Result **RL Oual Units DF** Date Analyzed **Batch** Analyses **EPA METHOD 300.0: ANIONS** Analyst: VP Chloride ND 60 mg/Kg 20 9/13/2021 4:20:51 PM 62531 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB mg/Kg Diesel Range Organics (DRO) 58 20 9/10/2021 1:29:55 PM 62465 Motor Oil Range Organics (MRO) 240 2 9/10/2021 1:29:55 PM 99 mg/Kg 62465 Surr: DNOP %Rec 116 70-130 9/10/2021 1:29:55 PM 62465 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: mb 9/10/2021 10:22:00 PM 62460 Gasoline Range Organics (GRO) ND 5.0 mg/Kg Surr: BFB 88.5 70-130 %Rec 9/10/2021 10:22:00 PM 62460 **EPA METHOD 8021B: VOLATILES** Analyst: mb ND 9/10/2021 10:22:00 PM 62460 Benzene 0.025 mg/Kg Toluene ND 0.050 mg/Kg 9/10/2021 10:22:00 PM 62460 Ethylbenzene ND 0.050 mg/Kg 9/10/2021 10:22:00 PM 62460 Xylenes, Total ND 0.10 mg/Kg 9/10/2021 10:22:00 PM 62460 Surr: 4-Bromofluorobenzene 70-130 9/10/2021 10:22:00 PM 62460 79.1 %Rec

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

- 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 Limit

Page 3 of 14

Date Reported: 9/15/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Client Sample ID: S-2/1'

 Project:
 Nicholas BJ T-Post
 Collection Date: 9/2/2021 4:25:00 PM

 Lab ID:
 2109228-004
 Matrix: SOIL
 Received Date: 9/4/2021 8:30:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|-------------------------------------|--------|--------|------|-------|----|-----------------------|-------|
| EPA METHOD 300.0: ANIONS | | | | | | Analyst | : VP |
| Chloride | 240 | 60 | | mg/Kg | 20 | 9/13/2021 4:33:13 PM | 62531 |
| EPA METHOD 8015M/D: DIESEL RANGE OR | GANICS | | | | | Analyst | SB |
| Diesel Range Organics (DRO) | ND | 9.5 | | mg/Kg | 1 | 9/9/2021 5:17:33 PM | 62465 |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 9/9/2021 5:17:33 PM | 62465 |
| Surr: DNOP | 143 | 70-130 | S | %Rec | 1 | 9/9/2021 5:17:33 PM | 62465 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | Analyst | mb |
| Gasoline Range Organics (GRO) | ND | 4.7 | | mg/Kg | 1 | 9/10/2021 10:42:00 PM | 62460 |
| Surr: BFB | 90.1 | 70-130 | | %Rec | 1 | 9/10/2021 10:42:00 PM | 62460 |
| EPA METHOD 8021B: VOLATILES | | | | | | Analyst | : mb |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 9/10/2021 10:42:00 PM | 62460 |
| Toluene | ND | 0.047 | | mg/Kg | 1 | 9/10/2021 10:42:00 PM | 62460 |
| Ethylbenzene | ND | 0.047 | | mg/Kg | 1 | 9/10/2021 10:42:00 PM | 62460 |
| Xylenes, Total | ND | 0.095 | | mg/Kg | 1 | 9/10/2021 10:42:00 PM | 62460 |
| Surr: 4-Bromofluorobenzene | 79.1 | 70-130 | | %Rec | 1 | 9/10/2021 10:42:00 PM | 62460 |

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

- 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 Limit

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Date Reported: 9/15/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Client Sample ID: S-3/Surface

 Project:
 Nicholas BJ T-Post
 Collection Date: 9/2/2021 4:27:00 PM

 Lab ID:
 2109228-005
 Matrix: SOIL
 Received Date: 9/4/2021 8:30:00 AM

| Analyses | Result | RL (| Qual Units | DF | Date Analyzed | Batch |
|-------------------------------------|--------|--------|------------|----|-----------------------|-------|
| EPA METHOD 300.0: ANIONS | | | | | Analyst | : VP |
| Chloride | 260 | 61 | mg/Kg | 20 | 9/13/2021 4:45:35 PM | 62531 |
| EPA METHOD 8015M/D: DIESEL RANGE OR | GANICS | | | | Analyst | : SB |
| Diesel Range Organics (DRO) | 19 | 9.4 | mg/Kg | 1 | 9/10/2021 11:24:34 AM | 62465 |
| Motor Oil Range Organics (MRO) | 95 | 47 | mg/Kg | 1 | 9/10/2021 11:24:34 AM | 62465 |
| Surr: DNOP | 87.2 | 70-130 | %Rec | 1 | 9/10/2021 11:24:34 AM | 62465 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst | : mb |
| Gasoline Range Organics (GRO) | ND | 4.9 | mg/Kg | 1 | 9/10/2021 11:01:00 PM | 62460 |
| Surr: BFB | 89.2 | 70-130 | %Rec | 1 | 9/10/2021 11:01:00 PM | 62460 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst | : mb |
| Benzene | ND | 0.024 | mg/Kg | 1 | 9/10/2021 11:01:00 PM | 62460 |
| Toluene | ND | 0.049 | mg/Kg | 1 | 9/10/2021 11:01:00 PM | 62460 |
| Ethylbenzene | ND | 0.049 | mg/Kg | 1 | 9/10/2021 11:01:00 PM | 62460 |
| Xylenes, Total | ND | 0.097 | mg/Kg | 1 | 9/10/2021 11:01:00 PM | 62460 |
| Surr: 4-Bromofluorobenzene | 79.3 | 70-130 | %Rec | 1 | 9/10/2021 11:01:00 PM | 62460 |

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 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 Limit

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Date Reported: 9/15/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Client Sample ID: S-3/1'

 Project:
 Nicholas BJ T-Post
 Collection Date: 9/2/2021 4:30:00 PM

 Lab ID:
 2109228-006
 Matrix: SOIL
 Received Date: 9/4/2021 8:30:00 AM

| Analyses | Result | RL | Qual Units | DF | Date Analyzed | Batch |
|-------------------------------------|--------|--------|------------|----|-----------------------|-------|
| EPA METHOD 300.0: ANIONS | | | | | Analyst | : VP |
| Chloride | 410 | 60 | mg/Kg | 20 | 9/13/2021 4:57:57 PM | 62531 |
| EPA METHOD 8015M/D: DIESEL RANGE OR | GANICS | | | | Analyst | : SB |
| Diesel Range Organics (DRO) | 250 | 48 | mg/Kg | 5 | 9/13/2021 12:52:34 PM | 62465 |
| Motor Oil Range Organics (MRO) | 530 | 240 | mg/Kg | 5 | 9/13/2021 12:52:34 PM | 62465 |
| Surr: DNOP | 123 | 70-130 | %Rec | 5 | 9/13/2021 12:52:34 PM | 62465 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst | : mb |
| Gasoline Range Organics (GRO) | ND | 4.9 | mg/Kg | 1 | 9/10/2021 11:21:00 PM | 62460 |
| Surr: BFB | 89.8 | 70-130 | %Rec | 1 | 9/10/2021 11:21:00 PM | 62460 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst | : mb |
| Benzene | ND | 0.025 | mg/Kg | 1 | 9/10/2021 11:21:00 PM | 62460 |
| Toluene | ND | 0.049 | mg/Kg | 1 | 9/10/2021 11:21:00 PM | 62460 |
| Ethylbenzene | ND | 0.049 | mg/Kg | 1 | 9/10/2021 11:21:00 PM | 62460 |
| Xylenes, Total | ND | 0.099 | mg/Kg | 1 | 9/10/2021 11:21:00 PM | 62460 |
| Surr: 4-Bromofluorobenzene | 78.7 | 70-130 | %Rec | 1 | 9/10/2021 11:21:00 PM | 62460 |

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 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 Limit

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Date Reported: 9/15/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Client Sample ID: S-4/Surface

 Project:
 Nicholas BJ T-Post
 Collection Date: 9/2/2021 4:32:00 PM

 Lab ID:
 2109228-007
 Matrix: SOIL
 Received Date: 9/4/2021 8:30:00 AM

| Analyses | Result | RL | Qual Units | DF | Date Analyzed | Batch |
|--------------------------------------|--------|--------|------------|----|-----------------------|-------|
| EPA METHOD 300.0: ANIONS | | | | | Analyst | : VP |
| Chloride | ND | 59 | mg/Kg | 20 | 9/13/2021 5:10:18 PM | 62531 |
| EPA METHOD 8015M/D: DIESEL RANGE ORG | SANICS | | | | Analyst | : SB |
| Diesel Range Organics (DRO) | ND | 9.2 | mg/Kg | 1 | 9/9/2021 5:46:56 PM | 62465 |
| Motor Oil Range Organics (MRO) | ND | 46 | mg/Kg | 1 | 9/9/2021 5:46:56 PM | 62465 |
| Surr: DNOP | 128 | 70-130 | %Rec | 1 | 9/9/2021 5:46:56 PM | 62465 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst | : mb |
| Gasoline Range Organics (GRO) | ND | 4.9 | mg/Kg | 1 | 9/11/2021 12:20:00 AM | 62460 |
| Surr: BFB | 87.0 | 70-130 | %Rec | 1 | 9/11/2021 12:20:00 AM | 62460 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst | : mb |
| Benzene | ND | 0.025 | mg/Kg | 1 | 9/11/2021 12:20:00 AM | 62460 |
| Toluene | ND | 0.049 | mg/Kg | 1 | 9/11/2021 12:20:00 AM | 62460 |
| Ethylbenzene | ND | 0.049 | mg/Kg | 1 | 9/11/2021 12:20:00 AM | 62460 |
| Xylenes, Total | ND | 0.098 | mg/Kg | 1 | 9/11/2021 12:20:00 AM | 62460 |
| Surr: 4-Bromofluorobenzene | 80.3 | 70-130 | %Rec | 1 | 9/11/2021 12:20:00 AM | 62460 |

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 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 Limit

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Date Reported: 9/15/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Client Sample ID: S-4/1'

 Project:
 Nicholas BJ T-Post
 Collection Date: 9/2/2021 4:35:00 PM

 Lab ID:
 2109228-008
 Matrix: SOIL
 Received Date: 9/4/2021 8:30:00 AM

| Analyses | Result | RL | Qual Units | DF | Date Analyzed | Batch |
|--------------------------------------|--------|--------|------------|----|-----------------------|-------|
| EPA METHOD 300.0: ANIONS | | | | | Analyst | : VP |
| Chloride | ND | 60 | mg/Kg | 20 | 9/13/2021 5:22:39 PM | 62531 |
| EPA METHOD 8015M/D: DIESEL RANGE ORG | ANICS | | | | Analyst | : SB |
| Diesel Range Organics (DRO) | ND | 9.8 | mg/Kg | 1 | 9/9/2021 5:56:46 PM | 62465 |
| Motor Oil Range Organics (MRO) | ND | 49 | mg/Kg | 1 | 9/9/2021 5:56:46 PM | 62465 |
| Surr: DNOP | 111 | 70-130 | %Rec | 1 | 9/9/2021 5:56:46 PM | 62465 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst | : mb |
| Gasoline Range Organics (GRO) | ND | 4.9 | mg/Kg | 1 | 9/11/2021 12:40:00 AM | 62460 |
| Surr: BFB | 92.4 | 70-130 | %Rec | 1 | 9/11/2021 12:40:00 AM | 62460 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst | : mb |
| Benzene | ND | 0.024 | mg/Kg | 1 | 9/11/2021 12:40:00 AM | 62460 |
| Toluene | ND | 0.049 | mg/Kg | 1 | 9/11/2021 12:40:00 AM | 62460 |
| Ethylbenzene | ND | 0.049 | mg/Kg | 1 | 9/11/2021 12:40:00 AM | 62460 |
| Xylenes, Total | ND | 0.098 | mg/Kg | 1 | 9/11/2021 12:40:00 AM | 62460 |
| Surr: 4-Bromofluorobenzene | 82.1 | 70-130 | %Rec | 1 | 9/11/2021 12:40:00 AM | 62460 |

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 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 Limit

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Date Reported: 9/15/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Client Sample ID: S-5/Surface

 Project:
 Nicholas BJ T-Post
 Collection Date: 9/2/2021 4:38:00 PM

 Lab ID:
 2109228-009
 Matrix: SOIL
 Received Date: 9/4/2021 8:30:00 AM

| Analyses | Result | RL | Qual Units | DF | Date Analyzed | Batch |
|--------------------------------------|--------|--------|------------|----|-----------------------|-------|
| EPA METHOD 300.0: ANIONS | | | | | Analyst | : VP |
| Chloride | ND | 61 | mg/Kg | 20 | 9/13/2021 5:59:44 PM | 62531 |
| EPA METHOD 8015M/D: DIESEL RANGE ORG | ANICS | | | | Analyst | : SB |
| Diesel Range Organics (DRO) | ND | 9.4 | mg/Kg | 1 | 9/9/2021 6:06:32 PM | 62465 |
| Motor Oil Range Organics (MRO) | ND | 47 | mg/Kg | 1 | 9/9/2021 6:06:32 PM | 62465 |
| Surr: DNOP | 72.9 | 70-130 | %Rec | 1 | 9/9/2021 6:06:32 PM | 62465 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst | : mb |
| Gasoline Range Organics (GRO) | ND | 4.8 | mg/Kg | 1 | 9/11/2021 12:59:00 AM | 62460 |
| Surr: BFB | 95.8 | 70-130 | %Rec | 1 | 9/11/2021 12:59:00 AM | 62460 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst | : mb |
| Benzene | ND | 0.024 | mg/Kg | 1 | 9/11/2021 12:59:00 AM | 62460 |
| Toluene | ND | 0.048 | mg/Kg | 1 | 9/11/2021 12:59:00 AM | 62460 |
| Ethylbenzene | ND | 0.048 | mg/Kg | 1 | 9/11/2021 12:59:00 AM | 62460 |
| Xylenes, Total | ND | 0.097 | mg/Kg | 1 | 9/11/2021 12:59:00 AM | 62460 |
| Surr: 4-Bromofluorobenzene | 82.5 | 70-130 | %Rec | 1 | 9/11/2021 12:59:00 AM | 62460 |

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 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 Limit

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Date Reported: 9/15/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Client Sample ID: S-5/1'

 Project:
 Nicholas BJ T-Post
 Collection Date: 9/2/2021 4:40:00 PM

 Lab ID:
 2109228-010
 Matrix: SOIL
 Received Date: 9/4/2021 8:30:00 AM

| Analyses | Result | RL | Qual Units | DF | Date Analyzed | Batch |
|--------------------------------------|--------|--------|------------|----|----------------------|-------|
| EPA METHOD 300.0: ANIONS | | | | | Analyst | : VP |
| Chloride | ND | 60 | mg/Kg | 20 | 9/13/2021 6:12:04 PM | 62531 |
| EPA METHOD 8015M/D: DIESEL RANGE ORG | SANICS | | | | Analyst | : SB |
| Diesel Range Organics (DRO) | ND | 9.7 | mg/Kg | 1 | 9/9/2021 6:16:25 PM | 62465 |
| Motor Oil Range Organics (MRO) | ND | 49 | mg/Kg | 1 | 9/9/2021 6:16:25 PM | 62465 |
| Surr: DNOP | 105 | 70-130 | %Rec | 1 | 9/9/2021 6:16:25 PM | 62465 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst | : mb |
| Gasoline Range Organics (GRO) | ND | 4.9 | mg/Kg | 1 | 9/11/2021 1:19:00 AM | 62460 |
| Surr: BFB | 89.3 | 70-130 | %Rec | 1 | 9/11/2021 1:19:00 AM | 62460 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst | : mb |
| Benzene | ND | 0.025 | mg/Kg | 1 | 9/11/2021 1:19:00 AM | 62460 |
| Toluene | ND | 0.049 | mg/Kg | 1 | 9/11/2021 1:19:00 AM | 62460 |
| Ethylbenzene | ND | 0.049 | mg/Kg | 1 | 9/11/2021 1:19:00 AM | 62460 |
| Xylenes, Total | ND | 0.099 | mg/Kg | 1 | 9/11/2021 1:19:00 AM | 62460 |
| Surr: 4-Bromofluorobenzene | 80.9 | 70-130 | %Rec | 1 | 9/11/2021 1:19:00 AM | 62460 |

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

- 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 Limit

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2109228**

15-Sep-21

Client: EOG

Project: Nicholas BJ T-Post

Sample ID: MB-62531 SampType: MBLK TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 62531 RunNo: 81222

Prep Date: 9/13/2021 Analysis Date: 9/13/2021 SeqNo: 2868437 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-62531 SampType: LCS TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 62531 RunNo: 81222

Prep Date: 9/13/2021 Analysis Date: 9/13/2021 SeqNo: 2868438 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 93.0 90 110

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

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 Limit

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Hall Environmental Analysis Laboratory, Inc.

WO#: 2109228

15-Sep-21

Client: EOG

Nicholas BJ T-Post **Project:**

| Sample ID: LCS-62465 | SampType: LCS | TestCode: EPA Method | 8015M/D: Diesel Range Orgar | nics |
|--------------------------------|-------------------------|-----------------------------|-----------------------------|-----------|
| Client ID: LCSS | Batch ID: 62465 | RunNo: 81156 | | |
| Prep Date: 9/8/2021 | Analysis Date: 9/9/2021 | SeqNo: 2864692 | Units: mg/Kg | |
| Analyte | Result PQL SPK value | e SPK Ref Val %REC LowLimit | HighLimit %RPD RPDL | imit Qual |
| Diesel Range Organics (DRO) | 52 10 50.00 | 0 104 68.9 | 135 | |
| Surr: DNOP | 4.3 5.000 | 86.2 70 | 130 | |
| Sample ID: MB-62465 | SampType: MBLK | TestCode: EPA Method | 8015M/D: Diesel Range Orgar | nics |
| Client ID: PBS | Batch ID: 62465 | RunNo: 81156 | | |
| Prep Date: 9/8/2021 | Analysis Date: 9/9/2021 | SeqNo: 2864694 | Units: mg/Kg | |
| Analyte | Result PQL SPK value | e SPK Ref Val %REC LowLimit | HighLimit %RPD RPDL | imit Qual |
| Diesel Range Organics (DRO) | ND 10 | | | |
| Motor Oil Range Organics (MRO) | ND 50 | | | |
| Surr: DNOP | 14 10.00 |) 135 70 | 130 | S |
| Sample ID: LCS-62445 | SampType: LCS | TestCode: EPA Method | 8015M/D: Diesel Range Orgar | nics |
| Client ID: LCSS | Batch ID: 62445 | RunNo: 81156 | | |
| Prep Date: 9/8/2021 | Analysis Date: 9/9/2021 | SeqNo: 2865704 | Units: %Rec | |
| Analyte | Result PQL SPK value | e SPK Ref Val %REC LowLimit | HighLimit %RPD RPDL | imit Qual |
| Surr: DNOP | 3.6 5.000 | 72.6 70 | 130 | |
| Sample ID: LCS-62457 | SampType: LCS | TestCode: EPA Method | 8015M/D: Diesel Range Orgar | nics |
| Client ID: LCSS | Batch ID: 62457 | RunNo: 81156 | | |
| Prep Date: 9/8/2021 | Analysis Date: 9/9/2021 | SeqNo: 2865705 | Units: %Rec | |
| | | | | |

| Prep Date: 9/8/2021 | Analysis Date | 9/9/2021 | Se | eqNo: 28 | 365705 | Units: %Rec | ; | | |
|----------------------------|---------------|--------------|-------------|-----------------|----------|--------------|-----------|------------|------|
| Analyte | Result P | QL SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: DNOP | 4.3 | 5.000 | | 85.8 | 70 | 130 | | | |
| Sample ID: MB-62445 | SampType | e: MBLK | Test | Code: EF | A Method | 8015M/D: Die | sel Range | e Organics | |

| Oampic 15. IIIB -02443 | Gampiype. MBER | restoode. El A | Method 6015M/D. Die | sei italige t | Jigaillos | |
|-------------------------------|-------------------------|------------------------|---------------------|---------------|-----------|------|
| Client ID: PBS | Batch ID: 62445 | RunNo: 8115 | 56 | | | |
| Prep Date: 9/8/2021 | Analysis Date: 9/9/2021 | SeqNo: 2865 | Units: %Rec | | | |
| Analyte | Result PQL SPK va | lue SPK Ref Val %REC L | owLimit HighLimit | %RPD I | RPDLimit | Qual |
| Surr: DNOP | 9.0 10 | 00 90.1 | 70 130 | | | |

| Sample ID: MB-62457 | SampType: MBLK | TestCode: EPA Metho | d 8015M/D: Diesel Rang | ge Organics |
|----------------------------|-------------------------|----------------------------|------------------------|---------------|
| Client ID: PBS | Batch ID: 62457 | RunNo: 81156 | | |
| Prep Date: 9/8/2021 | Analysis Date: 9/9/2021 | SeqNo: 2865707 | Units: %Rec | |
| Analyte | Result PQL SPK val | ue SPK Ref Val %REC LowLim | t HighLimit %RPD | RPDLimit Qual |
| Surr: DNOP | 11 10. | 00 109 70 | 130 | |

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix

- Analyte detected in the associated Method Blank
- Value above quantitation range
- Analyte detected below quantitation limits
- Sample pH Not In Range
- Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2109228** *15-Sep-21*

Client: EOG

Surr: BFB

Project: Nicholas BJ T-Post

Sample ID: mb-62460 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 62460 RunNo: 81208

Prep Date: 9/8/2021 Analysis Date: 9/10/2021 SeqNo: 2866769 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 880 1000 88.0 70 130

Sample ID: Ics-62460 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 62460 RunNo: 81208

1000

Prep Date: 9/8/2021 Analysis Date: 9/10/2021 SeqNo: 2866771 Units: mg/Kg

1000

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 27 5.0 25.00 0 108 78.6 131

102

70

130

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

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 Limit

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Hall Environmental Analysis Laboratory, Inc.

2.6

0.81

0.10

WO#: **2109228**

15-Sep-21

Client: EOG

Project: Nicholas BJ T-Post

Sample ID: mb-62460 SampType: MBLK TestCode: EPA Method 8021B: Volatiles

Client ID: PBS Batch ID: 62460 RunNo: 81208

Prep Date: 9/8/2021 Analysis Date: 9/10/2021 SeqNo: 2866837 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Benzene ND 0.025

 Toluene
 ND
 0.050

 Ethylbenzene
 ND
 0.050

 Xylenes, Total
 ND
 0.10

 Surr: 4-Bromofluorobenzene
 0.80
 1.000
 80.0
 70
 130

3.000

1.000

| Sample ID: Ics-62460 | SampT | ype: LC | :S | Tes | tCode: El | PA Method | 8021B: Volat | iles | | |
|----------------------|------------|-----------------|-----------|-------------|-----------|-----------|--------------|------|----------|------|
| Client ID: LCSS | Batcl | h ID: 62 | 460 | F | RunNo: 8 | 1208 | | | | |
| Prep Date: 9/8/2021 | Analysis D | Date: 9/ | 10/2021 | 5 | SeqNo: 2 | 866839 | Units: mg/k | (g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.86 | 0.025 | 1.000 | 0 | 85.6 | 80 | 120 | | | |
| Toluene | 0.85 | 0.050 | 1.000 | 0 | 85.4 | 80 | 120 | | | |
| Ethylbenzene | 0.86 | 0.050 | 1.000 | 0 | 86.5 | 80 | 120 | | | |

0

86.8

81.5

80

70

120

130

Qualifiers:

Xylenes, Total

Surr: 4-Bromofluorobenzene

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

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 Limit

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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

Sample Log-In Check List

| Client Name: EC | OG | Work Order Numb | er: 2109 | 228 | | RcptNo | o: 1 |
|-------------------------|--|--|--|------------------------|---|---|----------------------|
| Received By: J | uan Rojas | 9/4/2021 8:30:00 AN | 1 | | flansay. | | |
| Completed By: C | heyenne Cason | 9/4/2021 10:34:47 A | M | | (land | | |
| | 4PG 9/- | | | | Chris | | |
| Chain of Custoo | | | | | | | |
| 1. Is Chain of Custo | dy complete? | | Yes | ~ | No 🗌 | Not Present | |
| 2. How was the same | ple delivered? | | Cour | ier | | | |
| Log In | | | | | | | |
| | nade to cool the samp | les? | Yes | V | No 🗌 | NA 🗌 | |
| | | | | | | | |
| 4. Were all samples | received at a tempera | ture of >0° C to 6.0°C | Yes | ~ | No 🗌 | NA 🗌 | |
| 5. Sample(s) in prop | er container(s)? | | Yes | V | No 🗌 | | |
| | | W 120 | | | | | |
| | volume for indicated to | 3. 0 | Yes | | No 🗌 | | |
| | ept VOA and ONG) pro | pperly preserved? | Yes | V | No 🗔 | | |
| 8. Was preservative | added to bottles? | | Yes | | No 🗸 | NA 🗔 | |
| 9. Received at least | 1 vial with headspace | <1/4" for AQ VOA? | Yes | | No 🗌 | NA 🗸 | |
| 10. Were any sample | containers received b | roken? | Yes | | No 🗸 | " (| |
| 11. Does paperwork n | | | Yes | V | No 🗌 | # of preserved bottles checked for pH: | or >12 unless noted) |
| | es on chain of custody ectly identified on Chai | | Yes | 1 | No 🗌 | Adjusted? | i >12 unless noted) |
| | alyses were requested | | | V | No 🗆 | | |
| 14. Were all holding ti | | : | Yes | | No 🗌 | Checked by: | 100171 |
| | mer for authorization.) | | 100 | | | | 3 |
| Special Handling | (if applicable) | | | | | | |
| 15. Was client notified | d of all discrepancies v | vith this order? | Yes | | No 🗌 | NA 🗸 | |
| Person Noti | fied: | Date: | Y TOTO KONTONIA E O | eastro calculate | 234 04-04-rows por Engravers on | | |
| By Whom: | CONTRACTOR DESCRIPTION | Via: | eMa | il 🔲 | Phone Fax | In Person | |
| Regarding: | Parties and the second | Control States in the State of the State of the State of the State of State | The Children and Children | Letter Company Andrews | Physioles (Physiotherapian) and control (Physiotherapian) | COLUMN DATA SALES | |
| Client Instru | ictions: | er entlikk produced om av å nogsvir Zuld vid 3 hebrio dry blik videkens. In Wilhelm | Politica de la compansión de la compansi | | Calculate Curry and Carry and Carry Cur | elitable entration entra entra terrescon ha cons | |
| 16. Additional remark | KS: | | | | | | |
| 17. Cooler Informat | <u>ion</u> | | | | | | |
| | emp °C Condition | Seal Intact Seal No | Seal Da | ite | Signed By | | |
| 1 0.0 | | | | | | | |
| 2 0.4 | | | | | | | |
| 3 0. | 1 Good | | | | | | |

| | Chain | 19 19 19 19 | Chain-ot-Custody Record | I urn-Around Time | | | | | 100 | 1 | | |
|---------------|-----------------------|----------------------|--|--------------------------------|------------------------------|--------------------------------|----------|--------------|--------------|------------------------------|---|--|
| Client | E0G-Ar | tesia / Ra | Client: EOG-Artesia / Ranger Env. | ☑ Standard | □ Rus | S Deep | | | I | ALL | HALL ENVIRONMENTAL | |
| | | | | Project Name: | ä | | | | C | | SIS LABORALORI | |
| Mailing | Address: | EOG - 105 | Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210 | Nicholas | as B3 | T. Post | | 707 | - Howel | ww.hall | www.hallenvironmental.com | |
| Ranger: | r: PO Box 201179, | 201179, A | Austin TX 78720 | Project #: 5375 | 75 | | _ | Tel Tel | 505-345-3975 | 15 IVL - | Fax 505-345-4107 | |
| Phone | Phone #: 521-335-1785 | 35-1785 | | | | | | | | Ar | Analysis Request | |
| email | or Fax#: \ | Will@Ran | email or Fax#: Will@RangerEnv.com | Project Mana | Project Manager: W. Kierdorf | dorf | | (| | | | |
| QA/QC | QA/QC Package: | 10 100 | | | | | | ОЫ | | | | |
| ■ Sta | Standard | | ☐ Level 4 (Full Validation) | | | | | M / (| | | | |
| Accred | Accreditation: | □ Az Cc | mpliance | Sampler: M | 1. Cook | | | DBC | (| | | |
| ■ NELAC | LAC | □ Other | | On Ice: | A Yes | ON 🗆 | | 10 | 008 | | | |
| ■ ED | EDD (Type) | Excel | | # of Coolers: | 2 | | (| SR | C ∀o | | | |
| | | | | Cooler Temp(including CF): See | (including CF): See | Memora 15g | 1208 |) Q S | H=) (| | | |
| | | | | Container | Preservative | HEAL NO | 3) XΞ | 108:1 | əpinc | | | |
| Date | Time | Matrix | Sample Name | Type and # | Type | 210 | 3T8 | НЧТ | СЫС | | | |
| 9/2/21 | 1 1617 | 201 | 5-1/surface | 40z, (| New | 100 | \geq | × | × | | | |
| _ | 1626 | _ | 1/1-6 | | | 70, | \times | \times | × | | | |
| | (622 | | 5-2/50rface | | _ | 603 | × | × | X | | | |
| _ | 1625 | | 5-2/11 | | | 78 | × | 5 | × | | | |
| | 1627 | | 5-3/50rface | | | 500 | × | × | × | | | |
| | 1630 | | 5-3/1 | | | 900 | メ | \leq | .~ | | | |
| | 1632 | | 5-4/50rface | | | 200 | X | × | × | | | |
| | 1635 | | 5-4/1 | | | 800 | \times | × | × | | | |
| | 1638 | | 5-5/501 face | | | 200 | X | X | × | | | |
| \Rightarrow | 1640 | > | 5-5/1 | > | To | 010 | × | × | | | | |
| | | | | | | ð | | | | | | |
| | | | | | | | | | | | | |
| Date: | _ | Relinquished by: | | Received by: | Via: hand | ľ | Rem | arks: | Bill to E(| Remarks: Bill to EOG Artesia | a | |
| 1/2/31 | | Y | | Paper Matin | | 2 | | | 2.0-2.0 | 1,226 | | |
| Date: | _ime: | Relinquished by: |). | Received by: | Via: | Date Time | | | 19.0 | 6,616.010 | <u> </u> | |
| 9/3/2[| 9/3/21 0810 | halant la | Colu | Co | Co | 9/3/01 810 | | | 12.9.5.0 | 2 = 2.5 | 0.1 | |
| 9/2/2 | If necessary, | , samples sub | omitted to Hall Environmental may be subco | intracted to other ac | scredited laboratori | es. This serves as notice of t | his poss | bility. A | iny sub-cont | acted data v | 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 repor | |

Released to Imaging: 3/22/2022 2:46:17 PM

28 (00, 12 er 89/4/21 5:30



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

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

RE: Nicholas BJ 1 Pipeline OrderNo.: 2112D57

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 14 sample(s) on 12/23/2021 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

CLIENT: EOG

Analytical Report

Lab Order **2112D57**Date Reported:

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: S-12/3

 Project:
 Nicholas BJ 1 Pipeline
 Collection Date: 12/22/2021 8:20:00 AM

 Lab ID:
 2112D57-001
 Matrix: SOIL
 Received Date: 12/23/2021 7:40:00 AM

| Analyses | Result | PQL | Qual Units | DF | Date Analyzed | Batch |
|--------------------------------------|--------|--------|------------|----|-----------------------|-------|
| EPA METHOD 300.0: ANIONS | | | | | Analyst | CAS |
| Chloride | 920 | 60 | mg/Kg | 20 | 1/3/2022 11:59:29 AM | 64806 |
| EPA METHOD 8015M/D: DIESEL RANGE ORG | ANICS | | | | Analyst | : SB |
| Diesel Range Organics (DRO) | ND | 10 | mg/Kg | 1 | 12/29/2021 4:54:03 PM | 64752 |
| Motor Oil Range Organics (MRO) | ND | 50 | mg/Kg | 1 | 12/29/2021 4:54:03 PM | 64752 |
| Surr: DNOP | 92.2 | 70-130 | %Rec | 1 | 12/29/2021 4:54:03 PM | 64752 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst | : mb |
| Gasoline Range Organics (GRO) | ND | 4.6 | mg/Kg | 1 | 12/29/2021 1:19:00 AM | 64732 |
| Surr: BFB | 97.2 | 70-130 | %Rec | 1 | 12/29/2021 1:19:00 AM | 64732 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst | : mb |
| Benzene | ND | 0.023 | mg/Kg | 1 | 12/29/2021 1:19:00 AM | 64732 |
| Toluene | ND | 0.046 | mg/Kg | 1 | 12/29/2021 1:19:00 AM | 64732 |
| Ethylbenzene | ND | 0.046 | mg/Kg | 1 | 12/29/2021 1:19:00 AM | 64732 |
| Xylenes, Total | ND | 0.092 | mg/Kg | 1 | 12/29/2021 1:19:00 AM | 64732 |
| Surr: 4-Bromofluorobenzene | 87.9 | 70-130 | %Rec | 1 | 12/29/2021 1:19:00 AM | 64732 |

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated valu
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 18

CLIENT: EOG

Analytical Report

Lab Order **2112D57**Date Reported:

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: S-12/6

Project: Nicholas BJ 1 Pipeline **Collection Date:** 12/22/2021 8:42:00 AM

Lab ID: 2112D57-002 **Matrix:** SOIL **Received Date:** 12/23/2021 7:40:00 AM

| Analyses | Result | PQL | Qual Units | DF | Date Analyzed | Batch |
|--------------------------------------|--------|--------|------------|----|-----------------------|-------|
| EPA METHOD 300.0: ANIONS | | | | | Analyst | CAS |
| Chloride | 340 | 60 | mg/Kg | 20 | 1/3/2022 12:36:42 PM | 64806 |
| EPA METHOD 8015M/D: DIESEL RANGE ORG | SANICS | | | | Analyst | SB |
| Diesel Range Organics (DRO) | ND | 10 | mg/Kg | 1 | 12/29/2021 5:04:42 PM | 64752 |
| Motor Oil Range Organics (MRO) | ND | 50 | mg/Kg | 1 | 12/29/2021 5:04:42 PM | 64752 |
| Surr: DNOP | 108 | 70-130 | %Rec | 1 | 12/29/2021 5:04:42 PM | 64752 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst | mb |
| Gasoline Range Organics (GRO) | ND | 4.6 | mg/Kg | 1 | 12/29/2021 1:39:00 AM | 64732 |
| Surr: BFB | 95.1 | 70-130 | %Rec | 1 | 12/29/2021 1:39:00 AM | 64732 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst | mb |
| Benzene | ND | 0.023 | mg/Kg | 1 | 12/29/2021 1:39:00 AM | 64732 |
| Toluene | ND | 0.046 | mg/Kg | 1 | 12/29/2021 1:39:00 AM | 64732 |
| Ethylbenzene | ND | 0.046 | mg/Kg | 1 | 12/29/2021 1:39:00 AM | 64732 |
| Xylenes, Total | ND | 0.091 | mg/Kg | 1 | 12/29/2021 1:39:00 AM | 64732 |
| Surr: 4-Bromofluorobenzene | 85.5 | 70-130 | %Rec | 1 | 12/29/2021 1:39:00 AM | 64732 |

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab Order **2112D57**

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Client Sample ID: S-11/0

 Project:
 Nicholas BJ 1 Pipeline
 Collection Date: 12/22/2021 9:02:00 AM

 Lab ID:
 2112D57-003
 Matrix: SOIL
 Received Date: 12/23/2021 7:40:00 AM

| Analyses | Result | PQL | Qual Units | DF | Date Analyzed | Batch |
|---------------------------------------|--------|--------|------------|----|-----------------------|-------|
| EPA METHOD 300.0: ANIONS | | | | | Analyst | CAS |
| Chloride | ND | 60 | mg/Kg | 20 | 1/3/2022 1:13:54 PM | 64806 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGA | ANICS | | | | Analyst | SB |
| Diesel Range Organics (DRO) | ND | 9.6 | mg/Kg | 1 | 12/29/2021 5:15:23 PM | 64752 |
| Motor Oil Range Organics (MRO) | ND | 48 | mg/Kg | 1 | 12/29/2021 5:15:23 PM | 64752 |
| Surr: DNOP | 94.6 | 70-130 | %Rec | 1 | 12/29/2021 5:15:23 PM | 64752 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst | mb |
| Gasoline Range Organics (GRO) | ND | 4.6 | mg/Kg | 1 | 12/29/2021 1:59:00 AM | 64732 |
| Surr: BFB | 93.3 | 70-130 | %Rec | 1 | 12/29/2021 1:59:00 AM | 64732 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst | mb |
| Benzene | ND | 0.023 | mg/Kg | 1 | 12/29/2021 1:59:00 AM | 64732 |
| Toluene | ND | 0.046 | mg/Kg | 1 | 12/29/2021 1:59:00 AM | 64732 |
| Ethylbenzene | ND | 0.046 | mg/Kg | 1 | 12/29/2021 1:59:00 AM | 64732 |
| Xylenes, Total | ND | 0.092 | mg/Kg | 1 | 12/29/2021 1:59:00 AM | 64732 |
| Surr: 4-Bromofluorobenzene | 87.0 | 70-130 | %Rec | 1 | 12/29/2021 1:59:00 AM | 64732 |

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Client Sample ID: S-11/4

 Project:
 Nicholas BJ 1 Pipeline
 Collection Date: 12/22/2021 9:12:00 AM

 Lab ID:
 2112D57-004
 Matrix: SOIL
 Received Date: 12/23/2021 7:40:00 AM

| Analyses | Result | PQL | Qual Units | DF | Date Analyzed | Batch |
|---------------------------------------|--------|--------|------------|----|-----------------------|-------|
| EPA METHOD 300.0: ANIONS | | | | | Analyst | CAS |
| Chloride | 140 | 60 | mg/Kg | 20 | 1/3/2022 1:26:18 PM | 64806 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGA | ANICS | | | | Analyst | SB |
| Diesel Range Organics (DRO) | ND | 10 | mg/Kg | 1 | 12/29/2021 5:26:05 PM | 64752 |
| Motor Oil Range Organics (MRO) | ND | 50 | mg/Kg | 1 | 12/29/2021 5:26:05 PM | 64752 |
| Surr: DNOP | 94.6 | 70-130 | %Rec | 1 | 12/29/2021 5:26:05 PM | 64752 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst | mb |
| Gasoline Range Organics (GRO) | ND | 4.8 | mg/Kg | 1 | 12/29/2021 2:18:00 AM | 64732 |
| Surr: BFB | 97.3 | 70-130 | %Rec | 1 | 12/29/2021 2:18:00 AM | 64732 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst | mb |
| Benzene | ND | 0.024 | mg/Kg | 1 | 12/29/2021 2:18:00 AM | 64732 |
| Toluene | ND | 0.048 | mg/Kg | 1 | 12/29/2021 2:18:00 AM | 64732 |
| Ethylbenzene | ND | 0.048 | mg/Kg | 1 | 12/29/2021 2:18:00 AM | 64732 |
| Xylenes, Total | ND | 0.097 | mg/Kg | 1 | 12/29/2021 2:18:00 AM | 64732 |
| Surr: 4-Bromofluorobenzene | 86.8 | 70-130 | %Rec | 1 | 12/29/2021 2:18:00 AM | 64732 |

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Client Sample ID: S-10/0

 Project:
 Nicholas BJ 1 Pipeline
 Collection Date: 12/22/2021 11:05:00 AM

 Lab ID:
 2112D57-005
 Matrix: SOIL
 Received Date: 12/23/2021 7:40:00 AM

| Analyses | Result | PQL | Qual Units | DF | Date Analyzed | Batch |
|--------------------------------------|--------|--------|------------|----|-----------------------|-------|
| EPA METHOD 300.0: ANIONS | | | | | Analyst | CAS |
| Chloride | ND | 61 | mg/Kg | 20 | 1/3/2022 1:38:42 PM | 64806 |
| EPA METHOD 8015M/D: DIESEL RANGE ORG | ANICS | | | | Analyst | : SB |
| Diesel Range Organics (DRO) | ND | 10 | mg/Kg | 1 | 12/29/2021 5:36:45 PM | 64752 |
| Motor Oil Range Organics (MRO) | ND | 50 | mg/Kg | 1 | 12/29/2021 5:36:45 PM | 64752 |
| Surr: DNOP | 83.1 | 70-130 | %Rec | 1 | 12/29/2021 5:36:45 PM | 64752 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst | : mb |
| Gasoline Range Organics (GRO) | ND | 4.9 | mg/Kg | 1 | 12/29/2021 2:38:00 AM | 64732 |
| Surr: BFB | 91.4 | 70-130 | %Rec | 1 | 12/29/2021 2:38:00 AM | 64732 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst | : mb |
| Benzene | ND | 0.024 | mg/Kg | 1 | 12/29/2021 2:38:00 AM | 64732 |
| Toluene | ND | 0.049 | mg/Kg | 1 | 12/29/2021 2:38:00 AM | 64732 |
| Ethylbenzene | ND | 0.049 | mg/Kg | 1 | 12/29/2021 2:38:00 AM | 64732 |
| Xylenes, Total | ND | 0.097 | mg/Kg | 1 | 12/29/2021 2:38:00 AM | 64732 |
| Surr: 4-Bromofluorobenzene | 84.7 | 70-130 | %Rec | 1 | 12/29/2021 2:38:00 AM | 64732 |

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 5 of 18

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Client Sample ID: S-10/5

 Project:
 Nicholas BJ 1 Pipeline
 Collection Date: 12/22/2021 11:15:00 AM

 Lab ID:
 2112D57-006
 Matrix: SOIL
 Received Date: 12/23/2021 7:40:00 AM

| Analyses | Result | PQL | Qual Units | DF | Date Analyzed | Batch |
|-------------------------------------|--------|--------|------------|----|-----------------------|-------|
| EPA METHOD 300.0: ANIONS | | | | | Analyst | CAS |
| Chloride | 150 | 60 | mg/Kg | 20 | 1/3/2022 1:51:07 PM | 64806 |
| EPA METHOD 8015M/D: DIESEL RANGE OR | GANICS | | | | Analyst | SB |
| Diesel Range Organics (DRO) | ND | 9.9 | mg/Kg | 1 | 12/29/2021 5:47:24 PM | 64752 |
| Motor Oil Range Organics (MRO) | ND | 49 | mg/Kg | 1 | 12/29/2021 5:47:24 PM | 64752 |
| Surr: DNOP | 90.7 | 70-130 | %Rec | 1 | 12/29/2021 5:47:24 PM | 64752 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst | mb |
| Gasoline Range Organics (GRO) | ND | 4.7 | mg/Kg | 1 | 12/29/2021 2:57:00 AM | 64732 |
| Surr: BFB | 88.5 | 70-130 | %Rec | 1 | 12/29/2021 2:57:00 AM | 64732 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst | mb |
| Benzene | ND | 0.023 | mg/Kg | 1 | 12/29/2021 2:57:00 AM | 64732 |
| Toluene | ND | 0.047 | mg/Kg | 1 | 12/29/2021 2:57:00 AM | 64732 |
| Ethylbenzene | ND | 0.047 | mg/Kg | 1 | 12/29/2021 2:57:00 AM | 64732 |
| Xylenes, Total | ND | 0.094 | mg/Kg | 1 | 12/29/2021 2:57:00 AM | 64732 |
| Surr: 4-Bromofluorobenzene | 81.1 | 70-130 | %Rec | 1 | 12/29/2021 2:57:00 AM | 64732 |

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Client Sample ID: S-9/0

 Project:
 Nicholas BJ 1 Pipeline
 Collection Date: 12/22/2021 10:40:00 AM

 Lab ID:
 2112D57-007
 Matrix: SOIL
 Received Date: 12/23/2021 7:40:00 AM

| Analyses | Result | PQL | Qual Units | DF | Date Analyzed | Batch |
|--------------------------------------|--------|--------|------------|----|-----------------------|-------|
| EPA METHOD 300.0: ANIONS | | | | | Analyst | CAS |
| Chloride | ND | 59 | mg/Kg | 20 | 1/3/2022 2:03:31 PM | 64806 |
| EPA METHOD 8015M/D: DIESEL RANGE ORG | SANICS | | | | Analyst | : SB |
| Diesel Range Organics (DRO) | ND | 9.9 | mg/Kg | 1 | 12/29/2021 5:58:00 PM | 64752 |
| Motor Oil Range Organics (MRO) | ND | 50 | mg/Kg | 1 | 12/29/2021 5:58:00 PM | 64752 |
| Surr: DNOP | 79.2 | 70-130 | %Rec | 1 | 12/29/2021 5:58:00 PM | 64752 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst | : mb |
| Gasoline Range Organics (GRO) | ND | 4.9 | mg/Kg | 1 | 12/29/2021 3:17:00 AM | 64732 |
| Surr: BFB | 89.5 | 70-130 | %Rec | 1 | 12/29/2021 3:17:00 AM | 64732 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst | : mb |
| Benzene | ND | 0.025 | mg/Kg | 1 | 12/29/2021 3:17:00 AM | 64732 |
| Toluene | ND | 0.049 | mg/Kg | 1 | 12/29/2021 3:17:00 AM | 64732 |
| Ethylbenzene | ND | 0.049 | mg/Kg | 1 | 12/29/2021 3:17:00 AM | 64732 |
| Xylenes, Total | ND | 0.098 | mg/Kg | 1 | 12/29/2021 3:17:00 AM | 64732 |
| Surr: 4-Bromofluorobenzene | 81.6 | 70-130 | %Rec | 1 | 12/29/2021 3:17:00 AM | 64732 |

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Client Sample ID: S-9/4

 Project:
 Nicholas BJ 1 Pipeline
 Collection Date: 12/22/2021 10:48:00 AM

 Lab ID:
 2112D57-008
 Matrix: SOIL
 Received Date: 12/23/2021 7:40:00 AM

| Analyses | Result | PQL | Qual Units | DF | Date Analyzed | Batch |
|---------------------------------------|--------|--------|------------|----|-----------------------|-------|
| EPA METHOD 300.0: ANIONS | | | | | Analyst | CAS |
| Chloride | 120 | 60 | mg/Kg | 20 | 1/3/2022 2:15:56 PM | 64806 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGA | ANICS | | | | Analyst | SB |
| Diesel Range Organics (DRO) | ND | 10 | mg/Kg | 1 | 12/29/2021 6:08:35 PM | 64752 |
| Motor Oil Range Organics (MRO) | ND | 50 | mg/Kg | 1 | 12/29/2021 6:08:35 PM | 64752 |
| Surr: DNOP | 92.2 | 70-130 | %Rec | 1 | 12/29/2021 6:08:35 PM | 64752 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst | mb |
| Gasoline Range Organics (GRO) | ND | 4.6 | mg/Kg | 1 | 12/29/2021 3:37:00 AM | 64732 |
| Surr: BFB | 88.2 | 70-130 | %Rec | 1 | 12/29/2021 3:37:00 AM | 64732 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst | mb |
| Benzene | ND | 0.023 | mg/Kg | 1 | 12/29/2021 3:37:00 AM | 64732 |
| Toluene | ND | 0.046 | mg/Kg | 1 | 12/29/2021 3:37:00 AM | 64732 |
| Ethylbenzene | ND | 0.046 | mg/Kg | 1 | 12/29/2021 3:37:00 AM | 64732 |
| Xylenes, Total | ND | 0.093 | mg/Kg | 1 | 12/29/2021 3:37:00 AM | 64732 |
| Surr: 4-Bromofluorobenzene | 81.3 | 70-130 | %Rec | 1 | 12/29/2021 3:37:00 AM | 64732 |

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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CLIENT: EOG

Analytical ReportLab Order **2112D57**

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: S-8/0

 Project:
 Nicholas BJ 1 Pipeline
 Collection Date: 12/22/2021 10:20:00 AM

 Lab ID:
 2112D57-009
 Matrix: SOIL
 Received Date: 12/23/2021 7:40:00 AM

| Analyses | Result | PQL | Qual Units | DF | Date Analyzed | Batch |
|--------------------------------------|--------|--------|------------|----|-----------------------|-------|
| EPA METHOD 300.0: ANIONS | | | | | Analyst | CAS |
| Chloride | ND | 60 | mg/Kg | 20 | 1/3/2022 2:28:20 PM | 64806 |
| EPA METHOD 8015M/D: DIESEL RANGE ORG | ANICS | | | | Analyst | : SB |
| Diesel Range Organics (DRO) | ND | 9.8 | mg/Kg | 1 | 12/29/2021 6:19:09 PM | 64752 |
| Motor Oil Range Organics (MRO) | ND | 49 | mg/Kg | 1 | 12/29/2021 6:19:09 PM | 64752 |
| Surr: DNOP | 71.9 | 70-130 | %Rec | 1 | 12/29/2021 6:19:09 PM | 64752 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst | : mb |
| Gasoline Range Organics (GRO) | ND | 4.8 | mg/Kg | 1 | 12/29/2021 3:56:00 AM | 64732 |
| Surr: BFB | 87.9 | 70-130 | %Rec | 1 | 12/29/2021 3:56:00 AM | 64732 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst | : mb |
| Benzene | ND | 0.024 | mg/Kg | 1 | 12/29/2021 3:56:00 AM | 64732 |
| Toluene | ND | 0.048 | mg/Kg | 1 | 12/29/2021 3:56:00 AM | 64732 |
| Ethylbenzene | ND | 0.048 | mg/Kg | 1 | 12/29/2021 3:56:00 AM | 64732 |
| Xylenes, Total | ND | 0.097 | mg/Kg | 1 | 12/29/2021 3:56:00 AM | 64732 |
| Surr: 4-Bromofluorobenzene | 81.1 | 70-130 | %Rec | 1 | 12/29/2021 3:56:00 AM | 64732 |

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab Order **2112D57**Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Client Sample ID: S-8/3

 Project:
 Nicholas BJ 1 Pipeline
 Collection Date: 12/22/2021 10:28:00 AM

 Lab ID:
 2112D57-010
 Matrix: SOIL
 Received Date: 12/23/2021 7:40:00 AM

| Analyses | Result | PQL | Qual Units | DF | Date Analyzed | Batch |
|---------------------------------------|--------|--------|------------|----|-----------------------|-------|
| EPA METHOD 300.0: ANIONS | | | | | Analyst: | CAS |
| Chloride | 210 | 60 | mg/Kg | 20 | 1/3/2022 2:40:44 PM | 64806 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGA | ANICS | | | | Analyst: | SB |
| Diesel Range Organics (DRO) | ND | 9.6 | mg/Kg | 1 | 12/29/2021 6:29:42 PM | 64752 |
| Motor Oil Range Organics (MRO) | ND | 48 | mg/Kg | 1 | 12/29/2021 6:29:42 PM | 64752 |
| Surr: DNOP | 71.6 | 70-130 | %Rec | 1 | 12/29/2021 6:29:42 PM | 64752 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst: | mb |
| Gasoline Range Organics (GRO) | ND | 4.7 | mg/Kg | 1 | 12/29/2021 4:55:00 AM | 64732 |
| Surr: BFB | 88.6 | 70-130 | %Rec | 1 | 12/29/2021 4:55:00 AM | 64732 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: | mb |
| Benzene | ND | 0.023 | mg/Kg | 1 | 12/29/2021 4:55:00 AM | 64732 |
| Toluene | ND | 0.047 | mg/Kg | 1 | 12/29/2021 4:55:00 AM | 64732 |
| Ethylbenzene | ND | 0.047 | mg/Kg | 1 | 12/29/2021 4:55:00 AM | 64732 |
| Xylenes, Total | ND | 0.094 | mg/Kg | 1 | 12/29/2021 4:55:00 AM | 64732 |
| Surr: 4-Bromofluorobenzene | 79.5 | 70-130 | %Rec | 1 | 12/29/2021 4:55:00 AM | 64732 |

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab Order **2112D57**Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Client Sample ID: S-7/0

 Project:
 Nicholas BJ 1 Pipeline
 Collection Date: 12/22/2021 10:00:00 AM

 Lab ID:
 2112D57-011
 Matrix: SOIL
 Received Date: 12/23/2021 7:40:00 AM

| Analyses | Result | PQL | Qual Units | DF | Date Analyzed | Batch |
|---------------------------------------|--------|--------|------------|----|-----------------------|-------|
| EPA METHOD 300.0: ANIONS | | | | | Analyst: | CAS |
| Chloride | ND | 60 | mg/Kg | 20 | 1/3/2022 2:53:08 PM | 64806 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGA | ANICS | | | | Analyst | SB |
| Diesel Range Organics (DRO) | ND | 9.7 | mg/Kg | 1 | 1/4/2022 9:33:26 AM | 64827 |
| Motor Oil Range Organics (MRO) | ND | 48 | mg/Kg | 1 | 1/4/2022 9:33:26 AM | 64827 |
| Surr: DNOP | 70.8 | 70-130 | %Rec | 1 | 1/4/2022 9:33:26 AM | 64827 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst | mb |
| Gasoline Range Organics (GRO) | ND | 4.7 | mg/Kg | 1 | 12/29/2021 5:15:00 AM | 64732 |
| Surr: BFB | 86.6 | 70-130 | %Rec | 1 | 12/29/2021 5:15:00 AM | 64732 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst | mb |
| Benzene | ND | 0.023 | mg/Kg | 1 | 12/29/2021 5:15:00 AM | 64732 |
| Toluene | ND | 0.047 | mg/Kg | 1 | 12/29/2021 5:15:00 AM | 64732 |
| Ethylbenzene | ND | 0.047 | mg/Kg | 1 | 12/29/2021 5:15:00 AM | 64732 |
| Xylenes, Total | ND | 0.093 | mg/Kg | 1 | 12/29/2021 5:15:00 AM | 64732 |
| Surr: 4-Bromofluorobenzene | 80.7 | 70-130 | %Rec | 1 | 12/29/2021 5:15:00 AM | 64732 |

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab Order **2112D57**

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Client Sample ID: S-7/4

 Project:
 Nicholas BJ 1 Pipeline
 Collection Date: 12/22/2021 10:08:00 AM

 Lab ID:
 2112D57-012
 Matrix: SOIL
 Received Date: 12/23/2021 7:40:00 AM

| Analyses | Result | PQL | Qual Units | DF | Date Analyzed | Batch |
|---------------------------------------|--------|--------|------------|----|-----------------------|-------|
| EPA METHOD 300.0: ANIONS | | | | | Analyst: | CAS |
| Chloride | ND | 60 | mg/Kg | 20 | 1/3/2022 3:05:33 PM | 64806 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGA | ANICS | | | | Analyst: | SB |
| Diesel Range Organics (DRO) | ND | 9.8 | mg/Kg | 1 | 12/29/2021 6:50:43 PM | 64752 |
| Motor Oil Range Organics (MRO) | ND | 49 | mg/Kg | 1 | 12/29/2021 6:50:43 PM | 64752 |
| Surr: DNOP | 77.8 | 70-130 | %Rec | 1 | 12/29/2021 6:50:43 PM | 64752 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst: | mb |
| Gasoline Range Organics (GRO) | ND | 4.9 | mg/Kg | 1 | 12/29/2021 5:34:00 AM | 64732 |
| Surr: BFB | 85.4 | 70-130 | %Rec | 1 | 12/29/2021 5:34:00 AM | 64732 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: | mb |
| Benzene | ND | 0.024 | mg/Kg | 1 | 12/29/2021 5:34:00 AM | 64732 |
| Toluene | ND | 0.049 | mg/Kg | 1 | 12/29/2021 5:34:00 AM | 64732 |
| Ethylbenzene | ND | 0.049 | mg/Kg | 1 | 12/29/2021 5:34:00 AM | 64732 |
| Xylenes, Total | ND | 0.098 | mg/Kg | 1 | 12/29/2021 5:34:00 AM | 64732 |
| Surr: 4-Bromofluorobenzene | 78.8 | 70-130 | %Rec | 1 | 12/29/2021 5:34:00 AM | 64732 |

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab Order **2112D57**

Hall Environmental Analysis Laboratory, Inc.

Date Reported:

CLIENT: EOG Client Sample ID: S-6/0

 Project:
 Nicholas BJ 1 Pipeline
 Collection Date: 12/22/2021 9:32:00 AM

 Lab ID:
 2112D57-013
 Matrix: SOIL
 Received Date: 12/23/2021 7:40:00 AM

| Analyses | Result | PQL | Qual Units | DF | Date Analyzed | Batch |
|---------------------------------------|--------|--------|------------|----|-----------------------|-------|
| EPA METHOD 300.0: ANIONS | | | | | Analyst: | CAS |
| Chloride | ND | 59 | mg/Kg | 20 | 1/3/2022 5:01:53 PM | 64806 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGA | ANICS | | | | Analyst | SB |
| Diesel Range Organics (DRO) | ND | 9.4 | mg/Kg | 1 | 12/29/2021 7:01:13 PM | 64752 |
| Motor Oil Range Organics (MRO) | ND | 47 | mg/Kg | 1 | 12/29/2021 7:01:13 PM | 64752 |
| Surr: DNOP | 104 | 70-130 | %Rec | 1 | 12/29/2021 7:01:13 PM | 64752 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst | mb |
| Gasoline Range Organics (GRO) | ND | 4.7 | mg/Kg | 1 | 12/29/2021 5:54:00 AM | 64732 |
| Surr: BFB | 87.8 | 70-130 | %Rec | 1 | 12/29/2021 5:54:00 AM | 64732 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst | mb |
| Benzene | ND | 0.024 | mg/Kg | 1 | 12/29/2021 5:54:00 AM | 64732 |
| Toluene | ND | 0.047 | mg/Kg | 1 | 12/29/2021 5:54:00 AM | 64732 |
| Ethylbenzene | ND | 0.047 | mg/Kg | 1 | 12/29/2021 5:54:00 AM | 64732 |
| Xylenes, Total | ND | 0.095 | mg/Kg | 1 | 12/29/2021 5:54:00 AM | 64732 |
| Surr: 4-Bromofluorobenzene | 81.1 | 70-130 | %Rec | 1 | 12/29/2021 5:54:00 AM | 64732 |

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Client Sample ID: S-6/4

 Project:
 Nicholas BJ 1 Pipeline
 Collection Date: 12/22/2021 9:40:00 AM

 Lab ID:
 2112D57-014
 Matrix: SOIL
 Received Date: 12/23/2021 7:40:00 AM

| Analyses | Result | PQL | Qual Units | DF | Date Analyzed | Batch |
|--------------------------------------|--------|--------|------------|----|-----------------------|-------|
| EPA METHOD 300.0: ANIONS | | | | | Analyst | CAS |
| Chloride | ND | 59 | mg/Kg | 20 | 1/3/2022 5:14:18 PM | 64806 |
| EPA METHOD 8015M/D: DIESEL RANGE ORG | SANICS | | | | Analyst | : SB |
| Diesel Range Organics (DRO) | ND | 9.8 | mg/Kg | 1 | 12/29/2021 7:11:41 PM | 64752 |
| Motor Oil Range Organics (MRO) | ND | 49 | mg/Kg | 1 | 12/29/2021 7:11:41 PM | 64752 |
| Surr: DNOP | 79.8 | 70-130 | %Rec | 1 | 12/29/2021 7:11:41 PM | 64752 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst | : NSB |
| Gasoline Range Organics (GRO) | ND | 4.8 | mg/Kg | 1 | 12/28/2021 6:21:38 PM | 64736 |
| Surr: BFB | 95.9 | 70-130 | %Rec | 1 | 12/28/2021 6:21:38 PM | 64736 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst | : NSB |
| Benzene | ND | 0.024 | mg/Kg | 1 | 12/28/2021 6:21:38 PM | 64736 |
| Toluene | ND | 0.048 | mg/Kg | 1 | 12/28/2021 6:21:38 PM | 64736 |
| Ethylbenzene | ND | 0.048 | mg/Kg | 1 | 12/28/2021 6:21:38 PM | 64736 |
| Xylenes, Total | ND | 0.096 | mg/Kg | 1 | 12/28/2021 6:21:38 PM | 64736 |
| Surr: 4-Bromofluorobenzene | 104 | 70-130 | %Rec | 1 | 12/28/2021 6:21:38 PM | 64736 |

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2112D57**

07-Jan-22

Client: EOG

Project: Nicholas BJ 1 Pipeline

Sample ID: MB-64806 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: **PBS** Batch ID: **64806** RunNo: **84914**

Prep Date: 12/30/2021 Analysis Date: 1/3/2022 SeqNo: 2987201 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-64806 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 64806 RunNo: 84914

Prep Date: 12/30/2021 Analysis Date: 1/3/2022 SeqNo: 2987202 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 95.0 90 110

Qualifiers:

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Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

SampType: MBLK

2112D57 07-Jan-22

WO#:

EOG Client:

Sample ID: MB-64752

Project: Nicholas BJ 1 Pipeline

Sample ID: LCS-64752 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 64752 RunNo: 84858 Prep Date: 12/28/2021 Analysis Date: 12/29/2021 SeqNo: 2985135 Units: mq/Kq PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Analyte Result Diesel Range Organics (DRO) 56 10 50.00 0 113 68.9 135 Surr: DNOP 4.8 5.000 95.6 70 130

TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PBS Batch ID: 64752 RunNo: 84858 Prep Date: 12/28/2021 Analysis Date: 12/29/2021 SeqNo: 2985137 Units: mg/Kg SPK value SPK Ref Val %REC LowLimit Analyte Result PQL HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) ND 10 Motor Oil Range Organics (MRO) ND 50 Surr: DNOP 10 10.00 100 70 130

Sample ID: LCS-64827 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 64827 RunNo: 84921 Prep Date: 1/3/2022 Analysis Date: 1/4/2022 SeqNo: 2987505 Units: mg/Kg **PQL** SPK value SPK Ref Val %REC LowLimit **RPDLimit** Analyte Result HighLimit %RPD Qual Diesel Range Organics (DRO) 49 10 50.00 98.3 68.9 135 Surr: DNOP 3.9 5.000 78.6 70 130

Sample ID: MB-64827 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PBS Batch ID: 64827 RunNo: 84921 Prep Date: 1/3/2022 Analysis Date: 1/4/2022 SeqNo: 2987507 Units: mg/Kg **PQL** SPK value SPK Ref Val %REC LowLimit %RPD **RPDLimit** Analyte Result HighLimit Qual Diesel Range Organics (DRO) ND 10

Motor Oil Range Organics (MRO) ND 50 Surr: DNOP 8.4 10.00 84.1 70 130

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- POL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference
- Analyte detected in the associated Method Blank
- Estimated value Е
- Analyte detected below quantitation limits
- Sample pH Not In Range P
- RI. Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

2112D57 07-Jan-22

WO#:

Client: EOG

Project: Nicholas BJ 1 Pipeline

Sample ID: mb-64736 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 64736 RunNo: 84801

Prep Date: 12/27/2021 Analysis Date: 12/28/2021 SeqNo: 2983402 Units: mq/Kq

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

Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 970 1000 97.4 70 130

Sample ID: Ics-64736 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 64736 RunNo: 84801

Prep Date: 12/27/2021 Analysis Date: 12/28/2021 SeqNo: 2983403 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 0 100 78.6 131

 Gasoline Range Organics (GRO)
 25
 5.0
 25.00
 0
 100
 78.6
 131

 Surr: BFB
 1100
 1000
 109
 70
 130

Sample ID: mb-64732 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 64732 RunNo: 84821

Prep Date: 12/27/2021 Analysis Date: 12/28/2021 SeqNo: 2983481 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 910 1000 90.6 70 130

Sample ID: Ics-64732 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 64732 RunNo: 84821

1100

Prep Date: 12/27/2021 Analysis Date: 12/28/2021 SeqNo: 2983483 Units: mg/Kg

1000

SPK value SPK Ref Val %REC %RPD **RPDLimit** Result **PQL** LowLimit HighLimit Qual Gasoline Range Organics (GRO) 26 5.0 25.00 106 78.6 131 n

Qualifiers:

Surr: BFB

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 POL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

109

70

130

E 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#: 2112D57

07-Jan-22

Client: EOG

Project: Nicholas BJ 1 Pipeline

| Sample ID: mb-64736 | Sampl | Гуре: МЕ | BLK | Tes | tCode: El | PA Method | 8021B: Vola | tiles | | |
|-----------------------|------------|-----------------|-----------|-------------|-----------|-----------|-------------|-------|----------|------|
| Client ID: PBS | Batcl | h ID: 64 | 736 | F | RunNo: 8 | 4801 | | | | |
| Prep Date: 12/27/2021 | Analysis D | Date: 12 | 2/28/2021 | (| SeqNo: 2 | 983430 | 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 1.1 1.000 106 70 130

| Sample ID: LCS-64736 | Samp | Гуре: LC | s | Tes | tCode: El | PA Method | 8021B: Volat | iles | | |
|----------------------------|------------|-----------------|-----------|-------------|-----------|-----------|--------------|------|----------|------|
| Client ID: LCSS | Batc | h ID: 64 | 736 | F | RunNo: 8 | 4801 | | | | |
| Prep Date: 12/27/2021 | Analysis [| Date: 12 | 2/28/2021 | S | SeqNo: 2 | 983431 | Units: mg/K | (g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 1.0 | 0.025 | 1.000 | 0 | 100 | 80 | 120 | | | |
| Toluene | 0.99 | 0.050 | 1.000 | 0 | 99.5 | 80 | 120 | | | |
| Ethylbenzene | 0.99 | 0.050 | 1.000 | 0 | 99.2 | 80 | 120 | | | |
| Xylenes, Total | 3.0 | 0.10 | 3.000 | 0 | 99.3 | 80 | 120 | | | |
| Surr: 4-Bromofluorobenzene | 1.1 | | 1.000 | | 107 | 70 | 130 | | | |

SampType: MBLK Sample ID: mb-64732 TestCode: EPA Method 8021B: Volatiles Client ID: PBS Batch ID: 64732 RunNo: 84821 Prep Date: 12/27/2021 Analysis Date: 12/28/2021 SeqNo: 2983530 Units: mg/Kg SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Analyte Result PQL Qual

| Benzene | ND | 0.025 | | |
|----------------------------|------|-------|-------|--|
| Toluene | ND | 0.050 | | |
| Ethylbenzene | ND | 0.050 | | |
| Xylenes, Total | ND | 0.10 | | |
| Surr: 4-Bromofluorobenzene | 0.81 | | 1.000 | |
| | | | | |

| Sample ID: Ics-64732 | SampT | ype: LC | S | Tes | tCode: El | PA Method | 8021B: Volat | iles | | |
|----------------------------|------------|-------------------|-----------|-------------|-----------|-----------|--------------|------|----------|------|
| Client ID: LCSS | Batcl | h ID: 64 7 | 732 | F | RunNo: 8 | 4821 | | | | |
| Prep Date: 12/27/2021 | Analysis D | Date: 12 | 2/28/2021 | 9 | SeqNo: 2 | 983532 | Units: mg/K | (g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.91 | 0.025 | 1.000 | 0 | 90.7 | 80 | 120 | | | |
| Toluene | 0.91 | 0.050 | 1.000 | 0 | 91.1 | 80 | 120 | | | |
| Ethylbenzene | 0.93 | 0.050 | 1.000 | 0 | 93.2 | 80 | 120 | | | |
| Xylenes, Total | 2.8 | 0.10 | 3.000 | 0 | 91.7 | 80 | 120 | | | |
| Surr: 4-Bromofluorobenzene | 0.85 | | 1.000 | | 84.9 | 70 | 130 | | | |

Qualifiers:

Value exceeds Maximum Contaminant Level.

Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit ND

Practical Quanitative Limit PQL

% Recovery outside of range due to dilution or matrix interference

Analyte detected in the associated Method Blank

81.1

70

130

Е Estimated value

Analyte detected below quantitation limits

Sample pH Not In Range

RL Reporting Limit Page 18 of 18



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

Sample Log-In Check List

| Client Name: EOG | Work Order Num | ber: 2112D57 | | RcptNo: | 1 |
|--|--|--|----------------|--|-------------------|
| Received By: Isaiah Ortiz | 12/23/2021 7:40:00 |) AM | In | 24 | |
| Completed By: Isaiah Ortiz | 12/23/2021 3:20:11 | I PM | The C | | |
| Reviewed By: 11/23/2 | | | there will get | | |
| | | | | | |
| Chain of Custody | | | | | |
| 1. Is Chain of Custody complete? | | Yes 🗸 | No 🗌 | Not Present | |
| 2. How was the sample delivered? | | Courier | | | |
| <u>Log In</u> | | | | | |
| 3. Was an attempt made to cool the sample | es? | Yes 🗸 | No 🗌 | NA 🗌 | |
| 4. Were all samples received at a temperate | ure of >0° C to 6.0°C | Yes 🗸 | No 🗌 | NA 🗌 | |
| 5. Sample(s) in proper container(s)? | | Yes 🗹 | No 🗌 | | |
| 6. Sufficient sample volume for indicated tes | st(s)? | Yes 🗸 | No 🗌 | | |
| 7. Are samples (except VOA and ONG) proj | perly preserved? | Yes 🗸 | No 🗆 | | |
| 8. Was preservative added to bottles? | | Yes | No 🗸 | NA 🗌 | |
| 9. Received at least 1 vial with headspace < | 1/4" for AQ VOA? | Yes 🗌 | No 🗌 | NA 🗸 | |
| 10. Were any sample containers received bro | | Yes | No 🗹 | | |
| | | | | # of preserved bottles checked | |
| 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) | | Yes 🗹 | No 🗆 | for pH: | >12 unless noted) |
| 12. Are matrices correctly identified on Chain | of Custody? | Yes 🗸 | No 🗌 | Adjusted? | 12 4111000 |
| 13. Is it clear what analyses were requested? | | Yes 🗸 | No 🗌 | | 1 - 1 |
| 14. Were all holding times able to be met? (If no, notify customer for authorization.) | | Yes 🗸 | No 🗆 | Checked by: | 1412/23/2 |
| Special Handling (if applicable) | | | / | | |
| 15. Was client notified of all discrepancies wi | th this order? | Yes | No 🗌 | NA 🗹 | |
| Person Notified: | Date: | West Committee of the C | | | |
| By Whom: | Via: | eMail 🗌 | Phone Fax | ☐ In Person | |
| Regarding: | | Disarton St. | | A STATE OF THE STA | |
| Client Instructions: | The set of the section of the sectio | The second secon | | | |
| 16. Additional remarks: | | | | | |
| 17. Cooler Information | | | | | |
| Cooler No Temp °C Condition | Seal Intact Seal No | Seal Date | Signed By | | |
| | Not Present Not Present | | | | |

| Standard Rush Standard Rush Standard ANALYSIS LABORATORY | Project Manager: W. Klerdorf Sampler: W. //ccnncdy On loe: | 1x402 IC4 001 xxx | 000 S00 | 000 000 000 000 000 000 000 000 000 00 | 000 17 7 7 7 | Received by: Vie: Date Time Remarks: Bill to EOG Artesia |
|--|---|---|--------------|--|----------------------------|--|
| sia NM, 88210 | Level 4 (Full Validation) Level 4 (Full Validation) Az Compliance Other Excel | 0842 5-12/6 0942 5-12/6 0902 5-11/0 | 11.05 S-11/4 | | 1006 5-4/0 1000 1 5-4/0 | Relinquished by: W, L. Relinquished by: |

| Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210 Ranger: PO Box 201179, Austin TX 78720 Phone #: 521-335-1786 email or Fax#: Will@RangerEnv.com QA/QC Package: Standard Az Compliance Standard Date Time Matrix Sample Name Phyd/d 0132 Soil S-Co/O | | Standard 質 Rus Project Name: | | # 2 (Pipeline) # 2 (Pipeline) W. Klerdorf W. Klerdorf Servativ Per Coll Ff0.8 Servativ CC 013 CC 014 | BTEX (8021) | HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107 Analysis Request Chloride (EPA 300) |
|--|---|--------------------------------|------|--|-------------|---|
| Date: Time: Relinquished by: [2/cx/2] [4:30 [\forall - // Date: Time: Relinquished by: | Time: Relinquished by: Via: Date Time Remarks: Bill to EOG Artesia Time: Relinquished by: Via: Date Time Received by: Via: Date Time | Received by: | Via: | Dete Time | | Remarks: Bill to EOG Artesia |

James H & Betty R Howell Revocable Trust Seed Mix

1lb per acre of Plains Bristlegrass2lbs per acre of Green Sprangletop3lbs per acre of Side Oats Gramma2lbs per acre of Blue GrammaIncrease to 16lbs per acre if broadcast.

Add Reclamation Mix

40% Ryegrass (Annual)

10% Millet

7.5% Kleingrass

5.7% Sideoats

5% Green Sprangletop

7.5% Bristlegrass

10% Western Wheatgrass

10% Buffalograss

2.5% Blue Grama

PLANTING RATE 20 lbs. per acre

Updated 5/23/2021

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 89516

CONDITIONS

| Operator: | OGRID: |
|-------------------|---|
| EOG RESOURCES INC | 7377 |
| P.O. Box 2267 | Action Number: |
| Midland, TX 79702 | 89516 |
| | Action Type: |
| | [C-141] Release Corrective Action (C-141) |

CONDITIONS

| Created By | | Condition Date |
|---------------|----------------------------|-------------------|
| jnobui | Remediation Plan Approved. | 3/22/2022 |