RANGER
ENVIRONMENTAL SERVICES, INC.

SITE CHARACTERIZATION, ASSESSMENT, AND CLOSURE REPORT

TRES CANAL BAL STATE #1
1RP-4865
UNIT K, SECTION 26, TOWNSHIP 8S, RANGE 33E
CHAVES COUNTY, NEW MEXICO
33.589816, -103.538924
RANGER REFERENCE NO. 5375

PREPARED FOR:

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

PREPARED BY:

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

JULY 19, 2021

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

William Kierdorf, REM
Project Manager

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1.0 SITE LOCATION AND BACKGROUND

The Tres Canal BAL State #1 (Site) is located on state land, approximately 12.6 miles northwest of Crossroads, New Mexico, within Chaves County, New Mexico. The facility is situated in Unit K, Section 26, T8S-R33E at GPS coordinates 33.589816, -103.538924.

On October 22, 2017, a release was discovered at the Site originating from a separator within the tank battery containment berm. Approximately, three barrels of crude oil and two barrels of produced water were released. Due to the location of the release within the tank battery containment berm, all released fluids were contained to the bermed area. The incident was reported to the New Mexico Oil Conservation Division (NMOCD) and an initial Form C-141 was submitted on November 3, 2017.

Initial response efforts included the dispatching of emergency vacuum trucks and earth moving equipment to remove soil and pad material impacted by the release. Upon arrival, the vacuum trucks were unable to recover any of the released fluids. Initial soil removal operations were completed within the impacted area. On April 3, 2018, EOG Resources, Inc. (EOG) submitted a Characterization Plan to the NMOCD, which included proposed assessment sampling activities. In December 2018, representatives for EOG conducted additional assessment and soil removal operations at the subject Site, however proper documentation as closure request was not submitted to the NMOCD.

EOG has engaged Ranger Environmental Services, Inc. (Ranger) to assist in the reassessment and closure efforts at the Site. The following Site Characterization, Remediation and Closure report has been prepared to document the activities undertaken at the Site.

A copy of the initial Form C-141, and an updated Form C-141, are attached. A Topographic Map and Area Map noting the location of the subject property 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, depth to groundwater in the area of the Site is greater than 100 feet. However, the information available is noted to be outside of the acceptable half-mile range from the Site.

Copies of the reviewed depth-to-groundwater information is attached.

2.2 Wellhead Protection Area

Based upon the USGS and NMOSE information, no known water sources were identified within a half-mile of the Site.

Upon review of the National Wetland Inventory, the impacted area 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.

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 acceptable depth-to-groundwater information), the 19.15.29.12 NMAC Table 1 (groundwater ≤50 feet) criteria, and the 19.15.29.13 NMAC Restoration, Reclamation and Re-Vegetation criteria (Restoration Criteria), were utilized for the Site. The proposed closure criteria are detailed below:

REGULATORY STANDARD	CHLORIDE	TPH (GRO+DRO +MRO)	BTEX	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 June 22, 2021 Site Assessment

On June 22, 2021, Ranger personnel and representatives for EOG mobilized to the site to assess the conditions of the existing excavation area and determine if additional remedial activities were necessary.

Upon inspection, the excavated area was noted to have maximum dimensions of approximately 81 feet long by eight (8) feet wide. In the northern portion of the excavation, in the vicinity of the release location, an area measuring approximately 13 feet long by eight (8) feet wide was observed to have been excavated to a depth of approximately four (4) feet below ground surface (bgs). The southern portion of the excavated area, measuring approximately 68 feet long by eight feet wide, was observed to have been excavated to varying depths ranging from approximately eight inches to one foot bgs. A Site Map depicting the excavated area is attached.

Ranger personnel field screened the soils at various locations within the excavated area with an organic vapor monitor (OVM) and a field chloride titration kit to preliminarily evaluate the soil conditions and/or levels of impact in the area. The field screening results indicated that the excavated area had been completed to appropriate boundaries. Based on the field screening results, a sampling notification was submitted to the NMOCD to inform the agency that soil sampling activities were scheduled to be conducted starting at 6:00 AM (Mountain Standard Time) on June 25, 2021.

3.2 June 25, 2021 Soil Sampling

On June 25, 2021, Ranger personnel returned to the Site to collect cleanup confirmation soil samples for laboratory analysis. After the scheduled start time of 6:00 AM, Ranger personnel began the collection of composite soil samples from the excavated area. The samples were 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 were collected from various locations along the excavation base and side walls. Upon collection, the composite sample parts were placed into a new Ziplock® bag, thoroughly mixed, and a sample for laboratory analysis was collected from the mixture.

Upon collection, the soil samples were submitted to Hall Environmental Laboratories 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 excavated area and soil sample locations is attached. The soil sample analytical results are summarized in the analytical table included in the Tables section of this report. Copies of the laboratory analytical reports are also attached.

4.0 SAMPLE RESULTS

Upon review of the cleanup confirmation soil sample laboratory results, all ten samples collected on June 25, 2021 were documented to have BTEX, TPH and chloride concentrations within the referenced Table 1 Criteria and Restoration Criteria.

5.0 WASTE DISPOSAL

All soils generated during the remedial excavation activities have been transported and disposed of at the Gandy Marley disposal facility in Chaves County, New Mexico. Approximately 26 cubic yards of material were excavated and transported to disposal from the Site.

5.1 Site Backfill

Upon achieving the appropriate cleanup criteria, the excavated area was backfilled with clean fill material in accordance with NMAC 19.15.29.12 and NMAC 19.15.29.13.

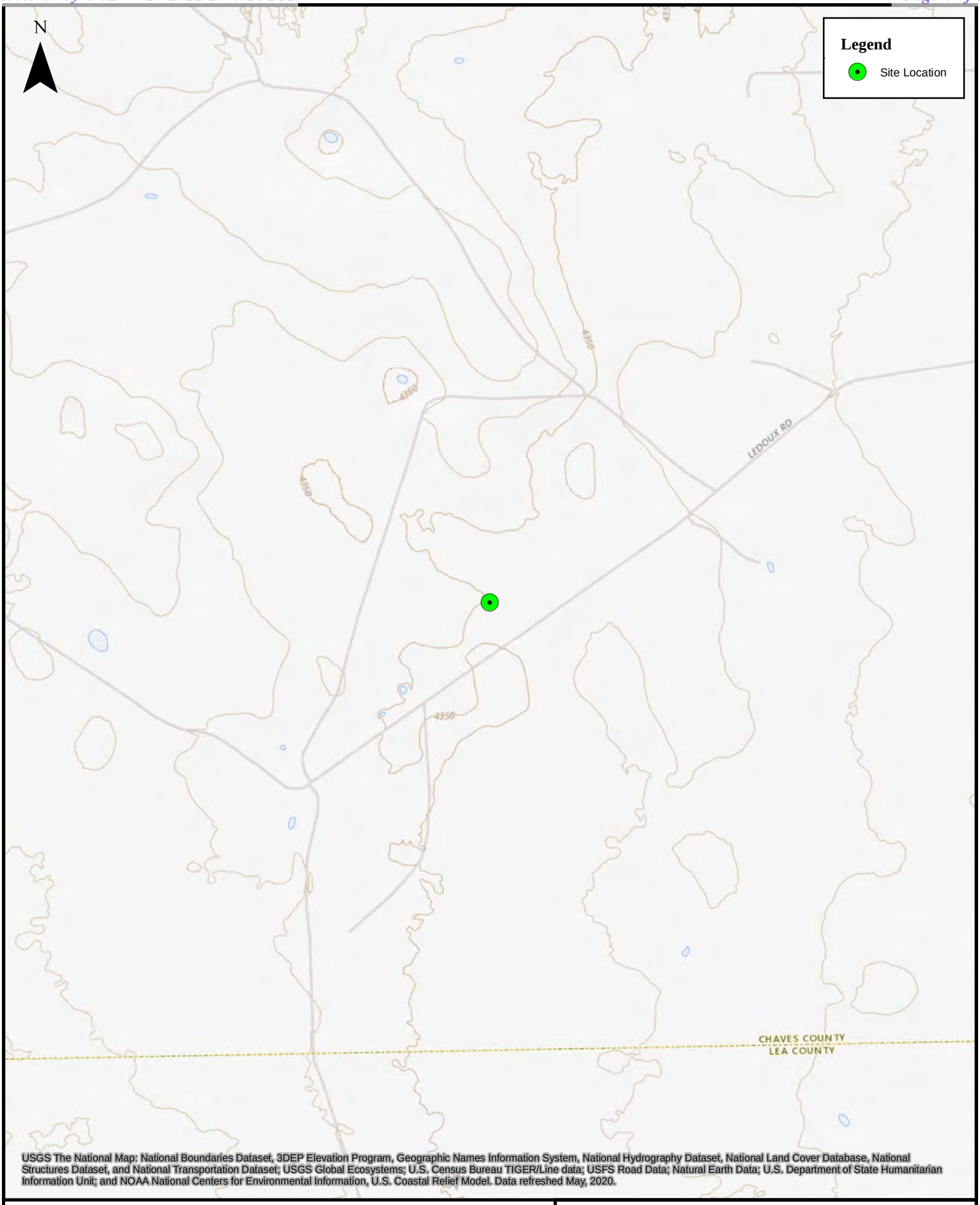
As the remediated area is located on the active facility pad, the reclamation and re-seeding of the area associated with the subject incident will be completed upon completion of operations at the location.

5.0 SITE CLOSURE

Based on the results of the June 25, 2021 soil sampling event, the site has been properly addressed pursuant to NMAC 19.15.29.12 and EOG respectfully requests closure of the incident. A final C-141 form is attached.

FIGURES

TOPOGRAPHIC MAP
AREA MAP
SITE MAP



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

RANGER ENVIRONMENTAL SERVICES, INC.

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

1:24,000

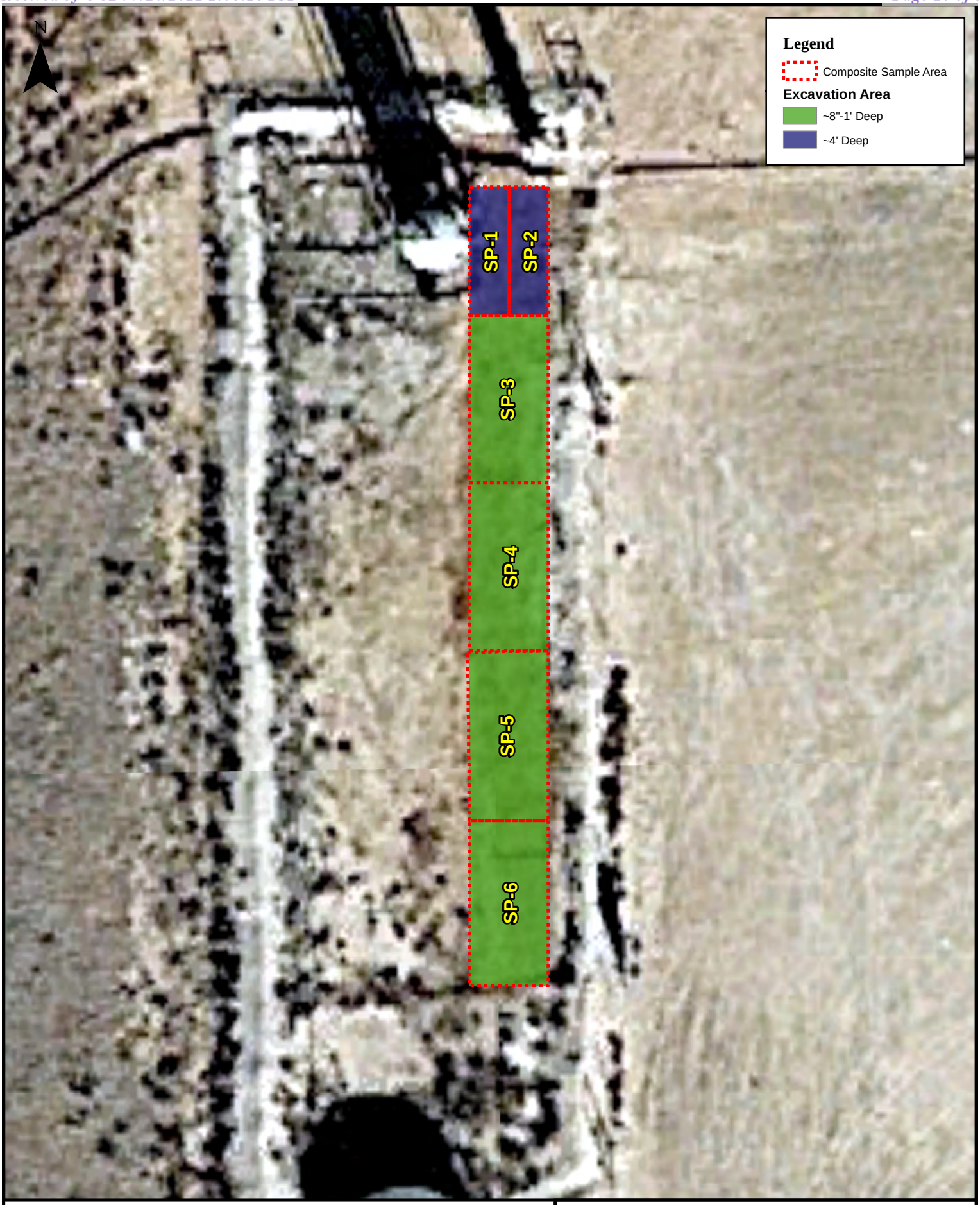
Topographic Map
Tres Canal BAL State #1
EOG Resources, Inc.

RANGER ENVIRONMENTAL SERVICES, INC.

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

1:10,000

Area Map
Tres Canal BAL State #1
EOG Resources, Inc.



RANGER ENVIRONMENTAL SERVICES, INC.

0 3.5 7 14 21 28 Feet

1:150

Site Map
Tres Canal BAL State #1
EOG Resources, Inc.

TABLES

SOIL BTEX (EPA 8260), TPH (EPA 8015) & CHLORIDE (EPA 300) ANALYTICAL DATA

SOIL BTEX (EPA 8260), TPH (EPA 8015) & CHLORIDE (EPA 300) ANALYTICAL DATA
TRES CANAL BAL STATE #1
CHAVES COUNTY, NEW MEXICO

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
Confirmation Soil Samples: June 25, 2021													
SP-1	6/25/2021	0'-4'	<0.025	<0.049	<0.049	<0.098	<0.22	<4.9	<8.7	<43	<13.6	<56.6	<60
SP-2	6/25/2021	0'-4'	<0.023	<0.047	<0.047	<0.094	<0.21	<4.7	<8.5	<42	<13.2	<55.2	100
SP-3	6/25/2021	0'-1'	<0.023	<0.047	<0.047	<0.094	<0.21	<4.7	<9.8	<49	<14.5	<63.5	<60
SP-4	6/25/2021	0'-1'	<0.024	<0.049	<0.049	<0.097	<0.22	<4.9	<9.7	<48	<14.6	<62.6	<60
SP-5	6/25/2021	0'-1'	<0.024	<0.047	<0.047	<0.094	<0.21	<4.7	10	<42	10	10	<60
SP-6	6/25/2021	0'-1'	<0.025	<0.049	<0.049	<0.098	<0.22	7.8	<9.6	<48	7.8	7.8	<60
19.15.29.12 NMAC Table 1 Closure Criteria for Soils Impacted by a Release (GW ≤50')			**10**	**---**	**---**	**---**	**50**	**---**	**---**	**---**	**---**	**100**	**600**
19.15.29.13 NMAC Reclamation Criteria (0'-4' Soils Only)			**10[3]**				**50[3]**					**100[3]**	**600**

Notes:

1. Results exceeding the Table 1 Closure Criteria are presented in bold type and are highlighted yellow.
2. Results exceeding the NMAC Restoration, Reclamation and re-vegetation chloride concentration requirements are presented in bold red type.
3. Value derived from the State of New Mexico Energy, Minerals and Natural Resources Department document *Procedures for the Implementation of the Spill Rule* (19.15.29 NMAC) dated September 6, 2019.

NA = Not Analyzed
TPH = Total Petroleum Hydrocarbons
mg/Kg = Milligrams per Kilogram

ATTACHMENT 1 – C-141 FORM

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

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

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	OGRID Number	Contact
EOG Y Resources, Inc.	25575	Robert Asher
Address		Telephone No.
104 S. 4th Street		575-748-1471
Facility Name		Facility Type
Tres Canal BAL State #1		Battery

Surface Owner	Mineral Owner	API No.
State	State	30-005-21162

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
K	26	8S	33E	1980	South	1980	West	Chaves

Latitude 33.58979 Longitude 103.53817

NATURE OF RELEASE

Type of Release	Volume of Release	Volume Recovered
Oil & Produced Water	3 B/O & 2 B/PW	0 B/O & 0 B/PW
Source of Release	Date and Hour of Occurrence	Date and Hour of Discovery
2 Phase Separator	10/22/2017; PM	10/22/2017; PM
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom? N/A	
By Whom? N/A	Date and Hour N/A	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

RECEIVED
By Olivia Yu at 9:32 am, Nov 15, 2017

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
Drain valve area/bottom of 2 phase separator rusted out causing the release. Vacuum truck(s) and roustabout/backhoe crews were called.

Describe Area Affected and Cleanup Action Taken.*
An approximate area of 10'X 40' within the bermed battery. Vacuum truck responded but did not recover any oil or produced water. Roustabout crews removed separator and the backhoe crews excavated impacted soils, those soils were disposed at an NMOCD approved facility. Characterization Plan to follow. **Depth to Ground Water: >100' (approximately 157', Section 34, T8S-R33E, per NMOSE), Wellhead Protection Area: No, Distance to Surface Water Body: >1000', SITE RANKING IS 0.**

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

Signature:

Printed Name: Robert Asher

Title: Environmental Supervisor

E-mail Address: Robert_Asher@eogresources.com

Date: November 3, 2017 Phone: 575-748-4217

OIL CONSERVATION DIVISION

Approved by Environmental Specialist:

Approval Date: 11/15/2017 Expiration Date:

Conditions of Approval: see attached directive

Attached ☑

* Attach Additional Sheets If Necessary

1RP-4865 nOY1731934969 pOY1731935419

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	nOY1731934969
District RP	1RP-4865
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

Latitude 33.589816 Longitude -103.538924
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Tres Canal BAL State #1	Site Type: Battery
Date Release Discovered: 10/22/2017	API# *(if applicable):* 30-005-21162

Unit Letter	Section	Township	Range	County
K	26	8S	33E	Chaves

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☐ Private (*Name:* _____)

Nature and Volume of Release

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

☒ Crude Oil	Volume Released (bbls): 3 bbls	Volume Recovered (bbls): NA
☒ Produced Water	Volume Released (bbls): 2 bbls	Volume Recovered (bbls): NA
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release:

Drain valve area/bottom of 2 phase separator rusted out causing the release.

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State of New Mexico
Oil Conservation Division

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Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☒ No	If YES, for what reason(s) does the responsible party consider this a major release?

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?:

An initial C-141 form was submitted by Mr. Bob Asher of EOG Resources, Inc. on 11/3/2017.

Initial Response

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

☒ The source of the release has been stopped.
☒ The impacted area has been secured to protect human health and the environment.
☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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

Printed Name: Chase Settle
Title: Rep Safety and Environmental Sr

Signature: Chase Settle
Date: 07/21/2021

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

OCD Only

Received by: _____
Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	nOY1731934969
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Site Assessment/Characterization

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

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

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

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

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

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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Page 4

State of New Mexico
Oil Conservation Division

Incident ID	nOY1731934969
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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: Chase Settle Title: Rep Safety and Environmental Sr

Signature:  Date: 07/21/2021

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

OCD Only

Received by: _____ Date: _____

Incident ID	nOY1731934969
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Remediation Plan

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

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

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

☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.

☐ Extents of contamination must be fully delineated.

☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	nOY1731934969
District RP	1RP-4865
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Application ID	

Closure

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

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

☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☒ Description of remediation activities

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

Printed Name: Chase Settle Title: Rep Safety and Environmental Sr

Signature: Chase Settle Date: 07/21/2021

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

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: Bradford Billings Date: 09/21/2021

Printed Name: Bradford Billings Title: Envi.Spec.A

ATTACHMENT 2 – DEPTH-TO-GROUNDWATER INFORMATION

New Mexico Office of the State Engineer

Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Tws	Rng	(NAD83 UTM in meters) X	Y
	CL 00314 POD1	1	2	2	34	08S	33E	634611	3716897

Driller License:	1626	**Driller Company:**	TAYLOR, ROY ALLEN		
Driller Name:	TAYLOR, ROY A.				
Drill Start Date:	04/18/2016	**Drill Finish Date:**	04/20/2016	**Plug Date:**	
Log File Date:	04/29/2016	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	5 GPM
Casing Size:	5.00	**Depth Well:**	220 feet	**Depth Water:**	157 feet

Water Bearing Stratifications:	Top	Bottom	Description
	116	135	Sandstone/Gravel/Conglomerate
	135	185	Sandstone/Gravel/Conglomerate
	182	205	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	160	220

National Water Information System: Web Interface

USGS Water Resources

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

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- Full News

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Search Results -- 1 sites found

site_no list =

- 334206103334201

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

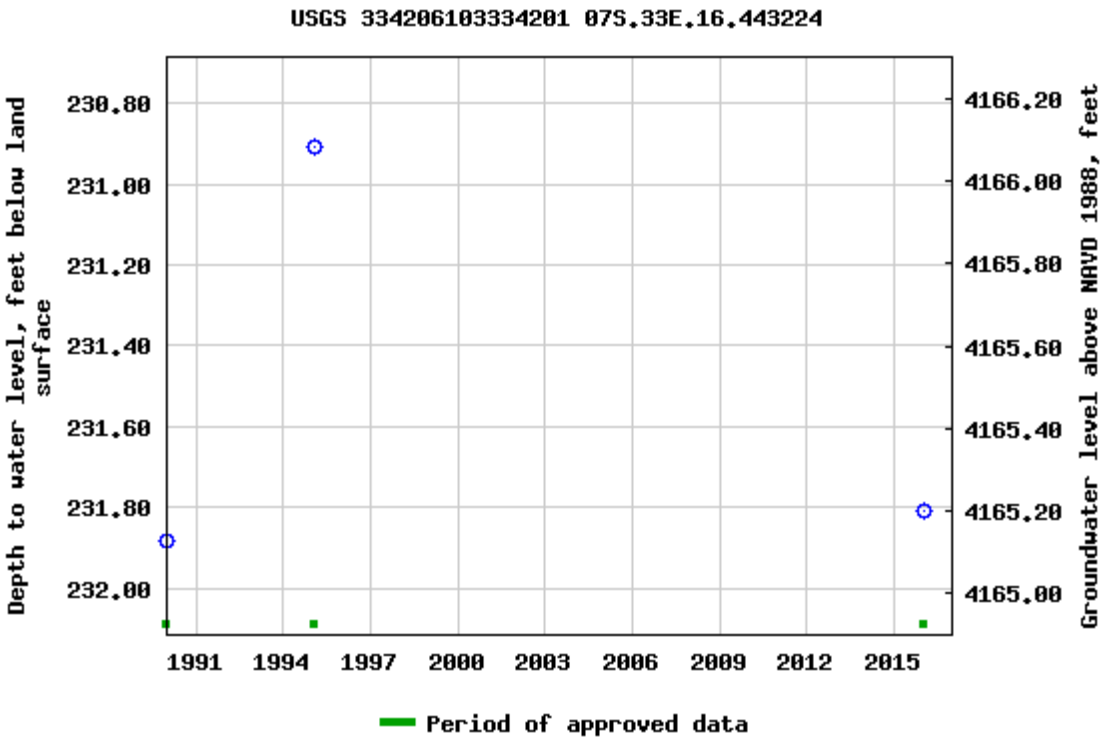
USGS 334206103334201 07S.33E.16.443224

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

Roosevelt County, New Mexico
Hydrologic Unit Code 12080001
Latitude 33°42'07.1", Longitude 103°33'50.2" NAD83
Land-surface elevation 4,397 feet above NAVD88
The depth of the well is 290 feet below land surface.
This well is completed in the High Plains aquifer (N100HGHPLN) national aquifer.

Output formats

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



Breaks in the plot represent a gap of at least one year between field measurements.
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Title: Groundwater for USA: Water Levels
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2021-07-06 16:42:55 EDT
0.65 0.49 nadww01

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Search Results -- 1 sites found

site_no list =

- 333917103481301

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

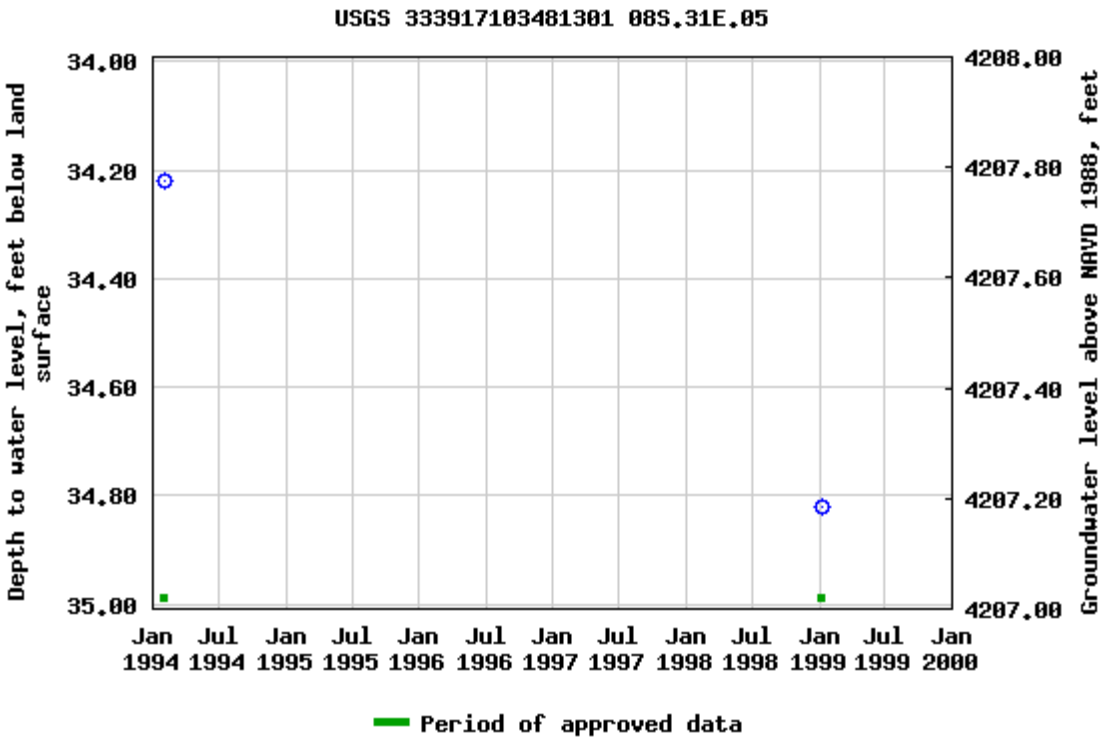
USGS 333917103481301 08S.31E.05

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

Chaves County, New Mexico
Hydrologic Unit Code 13060007
Latitude 33°39'17", Longitude 103°48'13" NAD27
Land-surface elevation 4,242 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.

Output formats

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



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U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for USA: Water Levels
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2021-07-06 16:41:21 EDT
0.55 0.48 nadww01

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Search Results -- 1 sites found

site_no list =

- 333833103275501

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

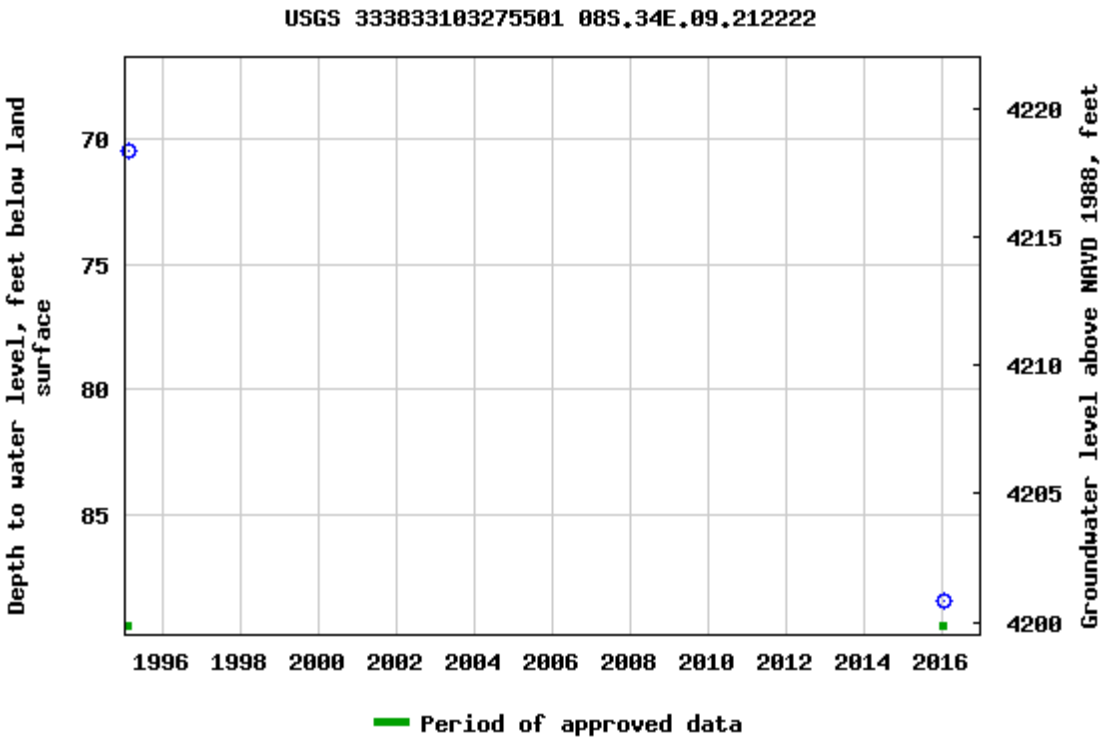
USGS 333833103275501 08S.34E.09.212222

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

Roosevelt County, New Mexico
Hydrologic Unit Code 12080001
Latitude 33°38'33.3", Longitude 103°27'56.8" NAD83
Land-surface elevation 4,289 feet above NAVD88
The depth of the well is 91 feet below land surface.
This well is completed in the High Plains aquifer (N100HGHPLN) national aquifer.

Output formats

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



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

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2021-07-06 16:43:19 EDT
0.66 0.47 nadww01

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Search Results -- 1 sites found

site_no list =

- 333716103252301

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

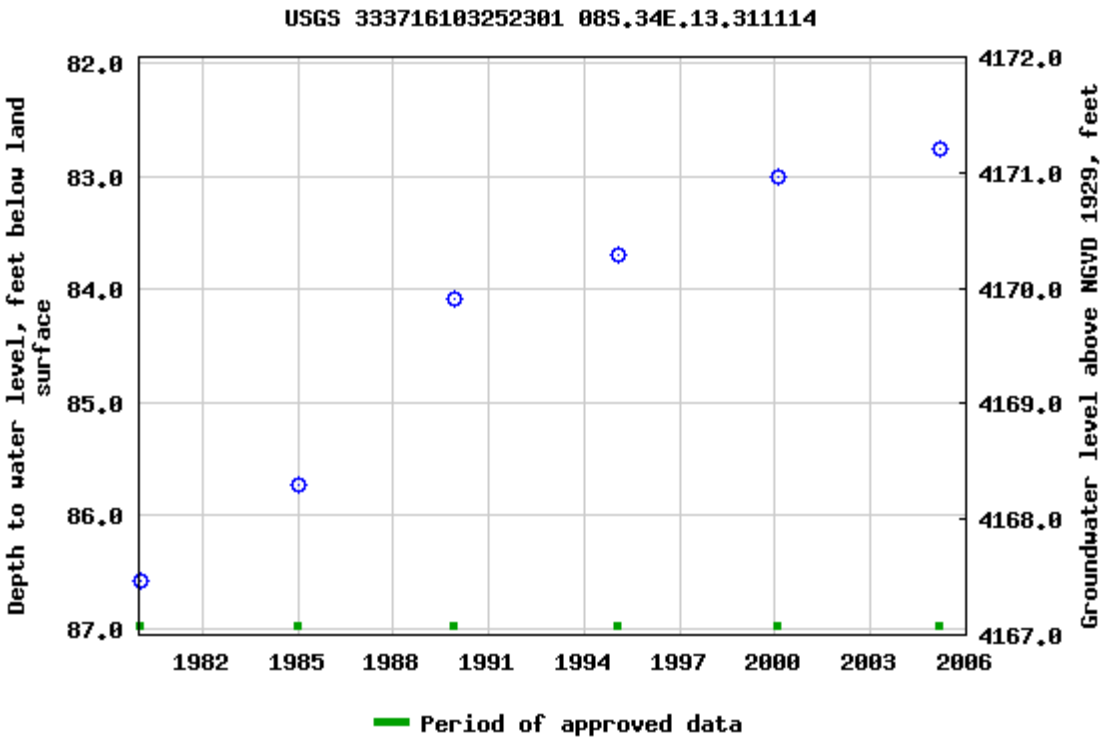
USGS 333716103252301 08S.34E.13.311114

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

Roosevelt County, New Mexico
Hydrologic Unit Code 12080001
Latitude 33°37'15", Longitude 103°25'34" NAD27
Land-surface elevation 4,254.00 feet above NGVD29
The depth of the well is 160 feet below land surface.
This well is completed in the High Plains aquifer (N100HGHPLN) national aquifer.
This well is completed in the Cretaceous System (210CRCS) local aquifer.

Output formats

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



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U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for USA: Water Levels
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2021-07-06 16:43:40 EDT
0.63 0.49 nadww01

National Water Information System: Web Interface

USGS Water Resources

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

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Search Results -- 1 sites found

site_no list =

- 333218103344201

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

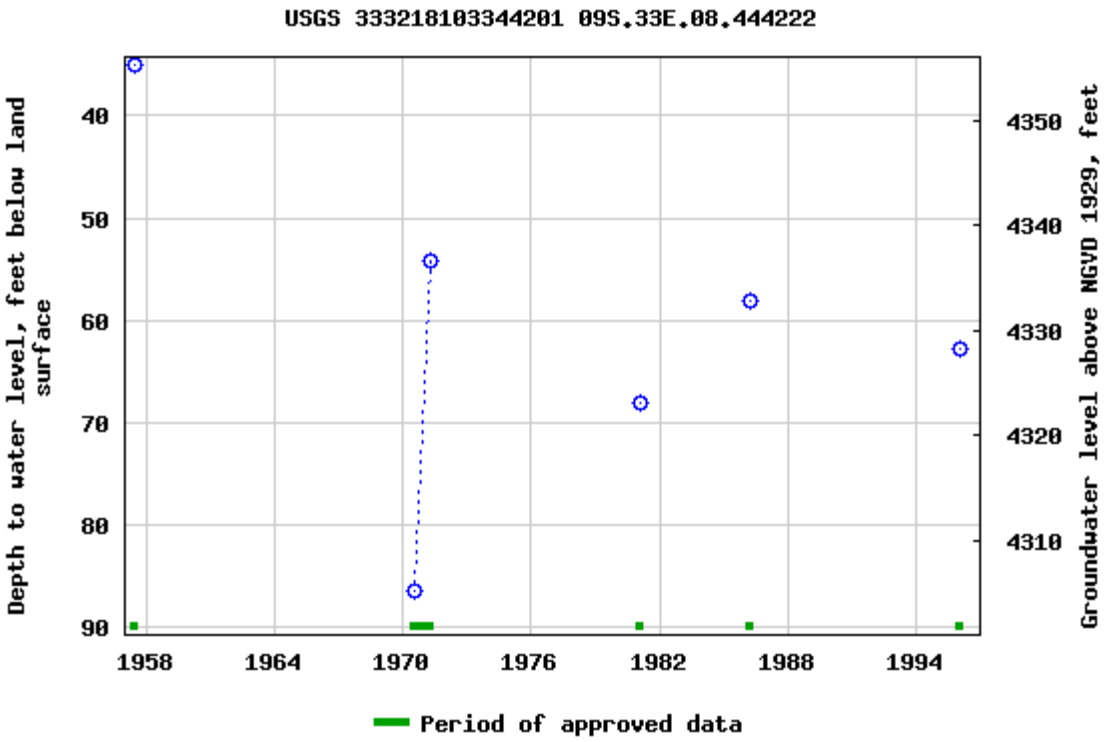
USGS 333218103344201 09S.33E.08.444222

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

Lea County, New Mexico
Hydrologic Unit Code 12080001
Latitude 33°32'32", Longitude 103°34'52" NAD27
Land-surface elevation 4,391.00 feet above NGVD29
The depth of the well is 165 feet below land surface.
This well is completed in the High Plains aquifer (N100HGHPLN) national aquifer.
This well is completed in the Cretaceous System (210CRCS) local aquifer.

Output formats

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



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ATTACHMENT 3 – SITE PHOTOGRAPHS

PHOTOGRAPH NO. 1 – A view from the southern extent of the impact/excavation area on June 25, 2021. The view is to the north.

(Approximate GPS Coordinates: 33.589598, -103.538929)

PHOTOGRAPH NO. 2 – A view of the four foot deep excavation area in the vicinity of the release location. The view is towards the northwest.

(Approximate GPS Coordinates: 33.589785, -103.538951)

PHOTOGRAPH NO. 3 – An additional view collected of the excavation from the vicinity of the release location. The view is towards the south.

(Approximate GPS Coordinates: 33.589844, -103.538921)

ATTACHMENT 4 – LABORATORY ANALYTICAL REPORT

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

July 09, 2021

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

RE: Tres Canal Bal State 1 OrderNo.: 2106E35

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 6 sample(s) on 6/26/2021 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
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2106E35**
Date Reported: **7/9/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: SP-1
Project: Tres Canal Bal State 1
Collection Date: 6/25/2021 6:31:00 AM
Lab ID: 2106E35-001 **Matrix:** SOIL
Received Date: 6/26/2021 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	7/1/2021 2:40:20 PM	61073
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	8.7		mg/Kg	1	7/1/2021 2:53:27 AM	61003
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	7/1/2021 2:53:27 AM	61003
Surr: DNOP	91.0	70-130		%Rec	1	7/1/2021 2:53:27 AM	61003
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/3/2021 3:02:00 AM	60981
Surr: BFB	104	70-130		%Rec	1	7/3/2021 3:02:00 AM	60981
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.025		mg/Kg	1	7/3/2021 3:02:00 AM	60981
Toluene	ND	0.049		mg/Kg	1	7/3/2021 3:02:00 AM	60981
Ethylbenzene	ND	0.049		mg/Kg	1	7/3/2021 3:02:00 AM	60981
Xylenes, Total	ND	0.098		mg/Kg	1	7/3/2021 3:02:00 AM	60981
Surr: 4-Bromofluorobenzene	96.6	70-130		%Rec	1	7/3/2021 3:02:00 AM	60981

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2106E35**
Date Reported: **7/9/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: SP-2
Project: Tres Canal Bal State 1
Collection Date: 6/25/2021 6:34:00 AM
Lab ID: 2106E35-002 **Matrix:** SOIL
Received Date: 6/26/2021 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	100	60		mg/Kg	20	7/2/2021 12:38:52 PM	61081
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	8.5		mg/Kg	1	7/1/2021 3:17:14 AM	61003
Motor Oil Range Organics (MRO)	ND	42		mg/Kg	1	7/1/2021 3:17:14 AM	61003
Surr: DNOP	93.6	70-130		%Rec	1	7/1/2021 3:17:14 AM	61003
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	7/3/2021 4:01:00 AM	60981
Surr: BFB	96.2	70-130		%Rec	1	7/3/2021 4:01:00 AM	60981
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.023		mg/Kg	1	7/3/2021 4:01:00 AM	60981
Toluene	ND	0.047		mg/Kg	1	7/3/2021 4:01:00 AM	60981
Ethylbenzene	ND	0.047		mg/Kg	1	7/3/2021 4:01:00 AM	60981
Xylenes, Total	ND	0.094		mg/Kg	1	7/3/2021 4:01:00 AM	60981
Surr: 4-Bromofluorobenzene	92.1	70-130		%Rec	1	7/3/2021 4:01:00 AM	60981

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2106E35**
Date Reported: **7/9/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: SP-3
Project: Tres Canal Bal State 1
Collection Date: 6/25/2021 6:37:00 AM
Lab ID: 2106E35-003 **Matrix:** SOIL
Received Date: 6/26/2021 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	7/2/2021 12:51:17 PM	61081
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	7/1/2021 3:41:00 AM	61003
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/1/2021 3:41:00 AM	61003
Surr: DNOP	87.8	70-130		%Rec	1	7/1/2021 3:41:00 AM	61003
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	7/3/2021 4:21:00 AM	60981
Surr: BFB	93.2	70-130		%Rec	1	7/3/2021 4:21:00 AM	60981
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.023		mg/Kg	1	7/3/2021 4:21:00 AM	60981
Toluene	ND	0.047		mg/Kg	1	7/3/2021 4:21:00 AM	60981
Ethylbenzene	ND	0.047		mg/Kg	1	7/3/2021 4:21:00 AM	60981
Xylenes, Total	ND	0.094		mg/Kg	1	7/3/2021 4:21:00 AM	60981
Surr: 4-Bromofluorobenzene	89.7	70-130		%Rec	1	7/3/2021 4:21:00 AM	60981

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2106E35**
Date Reported: **7/9/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: SP-4
Project: Tres Canal Bal State 1
Collection Date: 6/25/2021 7:05:00 AM
Lab ID: 2106E35-004 **Matrix:** SOIL
Received Date: 6/26/2021 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	7/2/2021 1:03:41 PM	61081
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	7/1/2021 4:04:45 AM	61003
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/1/2021 4:04:45 AM	61003
Surr: DNOP	92.0	70-130		%Rec	1	7/1/2021 4:04:45 AM	61003
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/3/2021 4:41:00 AM	60981
Surr: BFB	102	70-130		%Rec	1	7/3/2021 4:41:00 AM	60981
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.024		mg/Kg	1	7/3/2021 4:41:00 AM	60981
Toluene	ND	0.049		mg/Kg	1	7/3/2021 4:41:00 AM	60981
Ethylbenzene	ND	0.049		mg/Kg	1	7/3/2021 4:41:00 AM	60981
Xylenes, Total	ND	0.097		mg/Kg	1	7/3/2021 4:41:00 AM	60981
Surr: 4-Bromofluorobenzene	97.0	70-130		%Rec	1	7/3/2021 4:41:00 AM	60981

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2106E35**
Date Reported: **7/9/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: SP-5
Project: Tres Canal Bal State 1
Collection Date: 6/25/2021 7:20:00 AM
Lab ID: 2106E35-005 **Matrix:** SOIL
Received Date: 6/26/2021 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	7/2/2021 1:16:05 PM	61081
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	10	8.3		mg/Kg	1	7/1/2021 4:28:29 AM	61003
Motor Oil Range Organics (MRO)	ND	42		mg/Kg	1	7/1/2021 4:28:29 AM	61003
Surr: DNOP	92.1	70-130		%Rec	1	7/1/2021 4:28:29 AM	61003
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	7/3/2021 5:01:00 AM	60981
Surr: BFB	96.9	70-130		%Rec	1	7/3/2021 5:01:00 AM	60981
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.024		mg/Kg	1	7/3/2021 5:01:00 AM	60981
Toluene	ND	0.047		mg/Kg	1	7/3/2021 5:01:00 AM	60981
Ethylbenzene	ND	0.047		mg/Kg	1	7/3/2021 5:01:00 AM	60981
Xylenes, Total	ND	0.094		mg/Kg	1	7/3/2021 5:01:00 AM	60981
Surr: 4-Bromofluorobenzene	93.8	70-130		%Rec	1	7/3/2021 5:01:00 AM	60981

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2106E35**
Date Reported: **7/9/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Client Sample ID: SP-6
Project: Tres Canal Bal State 1
Collection Date: 6/25/2021 7:24:00 AM
Lab ID: 2106E35-006 **Matrix:** SOIL
Received Date: 6/26/2021 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	7/2/2021 1:28:31 PM	61081
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	7/1/2021 4:52:13 AM	61003
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/1/2021 4:52:13 AM	61003
Surr: DNOP	93.5	70-130		%Rec	1	7/1/2021 4:52:13 AM	61003
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
Gasoline Range Organics (GRO)	7.8	4.9		mg/Kg	1	7/3/2021 5:21:00 AM	60981
Surr: BFB	103	70-130		%Rec	1	7/3/2021 5:21:00 AM	60981
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
Benzene	ND	0.025		mg/Kg	1	7/3/2021 5:21:00 AM	60981
Toluene	ND	0.049		mg/Kg	1	7/3/2021 5:21:00 AM	60981
Ethylbenzene	ND	0.049		mg/Kg	1	7/3/2021 5:21:00 AM	60981
Xylenes, Total	ND	0.098		mg/Kg	1	7/3/2021 5:21:00 AM	60981
Surr: 4-Bromofluorobenzene	92.2	70-130		%Rec	1	7/3/2021 5:21:00 AM	60981

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2106E35**
09-Jul-21

Client: EOG
Project: Tres Canal Bal State 1

Sample ID: **MB-61073**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **61073**	RunNo: **79497**							
Prep Date: **7/1/2021**	Analysis Date: **7/1/2021**	SeqNo: **2796208**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-61073**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **61073**	RunNo: **79497**							
Prep Date: **7/1/2021**	Analysis Date: **7/1/2021**	SeqNo: **2796209**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.9	90	110			

Sample ID: **MB-61081**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **61081**	RunNo: **79497**							
Prep Date: **7/1/2021**	Analysis Date: **7/1/2021**	SeqNo: **2796217**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-61081**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **61081**	RunNo: **79497**							
Prep Date: **7/1/2021**	Analysis Date: **7/1/2021**	SeqNo: **2796218**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.3	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical 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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2106E35**
09-Jul-21

Client: EOG
Project: Tres Canal Bal State 1

Sample ID: **MB-61003** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS** Batch ID: **61003** RunNo: **79521**
Prep Date: **6/29/2021** Analysis Date: **6/30/2021** SeqNo: **2796477** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		103	70	130			

Sample ID: **LCS-61003** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **61003** RunNo: **79521**
Prep Date: **6/29/2021** Analysis Date: **6/30/2021** SeqNo: **2796478** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	88.1	68.9	141			
Surr: DNOP	4.7		5.000		94.5	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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2106E35**
09-Jul-21

Client: EOG
Project: Tres Canal Bal State 1

Sample ID: **mb-60981** SampType: **MBLK** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS** Batch ID: **60981** RunNo: **79563**
Prep Date: **6/28/2021** Analysis Date: **7/2/2021** SeqNo: **2798482** 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	970		1000		96.7	70	130			

Sample ID: **lcs-60981** SampType: **LCS** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS** Batch ID: **60981** RunNo: **79563**
Prep Date: **6/28/2021** Analysis Date: **7/2/2021** SeqNo: **2798484** 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	99.6	78.6	131			
Surr: BFB	1100		1000		114	70	130			

Sample ID: **mb-61115** SampType: **MBLK** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS** Batch ID: **61115** RunNo: **79580**
Prep Date: **7/2/2021** Analysis Date: **7/6/2021** SeqNo: **2799569** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1000		1000		100	70	130			

Sample ID: **lcs-61115** SampType: **LCS** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS** Batch ID: **61115** RunNo: **79580**
Prep Date: **7/2/2021** Analysis Date: **7/6/2021** SeqNo: **2799571** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1100		1000		107	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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2106E35**
09-Jul-21

Client: EOG
Project: Tres Canal Bal State 1

Sample ID: **mb-60981** SampType: **MBLK** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS** Batch ID: **60981** RunNo: **79563**
Prep Date: **6/28/2021** Analysis Date: **7/2/2021** SeqNo: **2798540** 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	0.93		1.000		92.6	70	130			

Sample ID: **lcs-60981** SampType: **LCS** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS** Batch ID: **60981** RunNo: **79563**
Prep Date: **6/28/2021** Analysis Date: **7/2/2021** SeqNo: **2798542** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.000	0	95.3	80	120			
Toluene	0.97	0.050	1.000	0	96.5	80	120			
Ethylbenzene	0.98	0.050	1.000	0	97.8	80	120			
Xylenes, Total	2.9	0.10	3.000	0	98.1	80	120			
Surr: 4-Bromofluorobenzene	0.93		1.000		92.5	70	130			

Sample ID: **mb-61115** SampType: **MBLK** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS** Batch ID: **61115** RunNo: **79580**
Prep Date: **7/2/2021** Analysis Date: **7/6/2021** SeqNo: **2799582** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.95		1.000		94.5	70	130			

Sample ID: **lcs-61115** SampType: **LCS** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS** Batch ID: **61115** RunNo: **79580**
Prep Date: **7/2/2021** Analysis Date: **7/6/2021** SeqNo: **2799584** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.92		1.000		92.2	70	130			

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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 Number: 2106E35 | RcptNo: 1

Received By: Juan Rojas 6/26/2021 8:30:00 AM

Completed By: Cheyenne Cason 6/26/2021 10:03:20 AM

Reviewed By: SCL 6/28/21

Chain of Custody

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

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	# of preserved bottles checked for pH: (<2 or >12 unless noted)
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	Adjusted?
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	Checked by: DAD 6.26.21

Special Handling (if applicable)

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

Person Notified: _____ Date: _____

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

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.7	Good				
2	0.1	Good				

Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.

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

Ranger: PO Box 201179, Austin TX 78720

Phone #: 521-335-1785

email or Fax#: Will@RangerEnv.com

QA/QC Package:

■ **Standard** ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

■ **NELAC** ☐ Other

■ **EDD** (Type) Excel

Turn-Around Time:

☒ Standard ☐ **Rush** 5 DAYS

Project Name: TRES CANAL 32 STATE #1

Project #: 5375

Project Manager: W. Kierdorf

Sampler: W. KIERDORF

On Ice: ☒ Yes ☐ No

# of Coolers: 2

Cooler Temp(including CF): 0.9-0.2=0.7 0.7-0.2=0.1

HEAL No. 2106E35

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX (8021)	TPH:8015D(GRO / DRO / MRO)	Chloride (EPA 300)
6/25/21	0631	SOIL	SP-1	1x 4oz JAR	ICE	001	X	X	X
	0634		SP-2			002			
	0637		SP-3			003			
	0705		SP-4			004			
	0720		SP-5			005			
	0724		SP-6			006			

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
6/25/21	0915				6/25/21	715
6/25/21	1900			courier	6/26/21	8:30

Remarks: Bill to EOG Artesia

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

ATTACHMENT 5 – NMOCD SAMPLING NOTIFICATION

Gmail Will Kierdorf <will@rangerenv.com>

FW: Sampling Notification (Tres Canal BAL State #1, 1RP-4865, nOY1731934969)

Chase Settle <Chase_Settle@eogresources.com> Wed, Jun 23, 2021 at 10:45 AM
To: Will Kierdorf <will@rangerenv.com>

From: Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>
Sent: Tuesday, June 22, 2021 3:27 PM
To: Chase Settle <Chase_Settle@eogresources.com>; EMNRD-OCD-District1spills <EMNRD-OCD-District1spills@state.nm.us>; rmann@slo.state.nm.us; mnaranjo@slo.state.nm.us
Cc: Bob Asher <Bob_Asher@eogresources.com>; BODEE EUDY <BODEE_EUDY@eogresources.com>; Brandon Madrid <Brandon_Madrid@eogresources.com>; Casey Haga <Casey_Haga@eogresources.com>; Mike Hill <mike_hill@eogresources.com>; Miriam Morales <Miriam_Morales@eogresources.com>; Reid Sharpe <Reid_Sharpe@eogresources.com>; Trixy Duke <Trixy_Duke@eogresources.com>; Yolanda Ybarra <Yolanda_Ybarra@eogresources.com>; Yvette Moore <Yvette_Moore@eogresources.com>
Subject: RE: Sampling Notification (Tres Canal BAL State #1, 1RP-4865, nOY1731934969)

Hello,

Thank you for the notification. If circumstances change, please keep OCD informed.

Sincerely,

Bradford Billings

EMNRD/OCD

From: Chase Settle <Chase_Settle@eogresources.com>
Sent: Tuesday, June 22, 2021 3:12 PM
To: EMNRD-OCD-District1spills <EMNRD-OCD-District1spills@state.nm.us>; rmann@slo.state.nm.us; mnaranjo@slo.state.nm.us
Cc: Bob Asher <Bob_Asher@eogresources.com>; BODEE EUDY <BODEE_EUDY@eogresources.com>; Brandon Madrid <Brandon_Madrid@eogresources.com>; Casey Haga <Casey_Haga@eogresources.com>; Mike Hill <mike_hill@eogresources.com>; Miriam Morales <Miriam_Morales@eogresources.com>; Reid Sharpe <Reid_Sharpe@eogresources.com>; Trixy Duke <Trixy_Duke@eogresources.com>; Yolanda Ybarra <Yolanda_Ybarra@eogresources.com>; Yvette Moore <Yvette_Moore@eogresources.com>
Subject: [EXT] Sampling Notification (Tres Canal BAL State #1, 1RP-4865, nOY1731934969)

EOG Resources, Inc. respectfully submits notification of sampling to occur Friday, June 25, 2021, beginning at 6:00 a.m. for the below location.

Tres Canal BAL State #1

1RP-4865

nOY1731934969

Thank you,

Chase Settle

Rep Safety & Environmental Sr

EOG Resources

105 S. 4th Street

Artesia, NM 88210

575-748-4171 (Office)

575-703-6537 (Cell)

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

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

CONDITIONS

Operator:	OGRID:
EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	7377
	Action Number: 50234
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bbillings	None	9/21/2021