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 | NAPP2118234253 |
| District RP | |
| Facility ID | |
| Application ID | |

# Release Notification

## Responsible Party

| | |
|---|---|
| Responsible Party Dugan Production Corp. | OGRID 006515 |
| Contact Name Kevin Smaka | Contact Telephone 505-325-1821 x1049 |
| Contact email Kevin.Smaka@duganproduction.com | Incident # *(assigned by OCD)* NAPP2118234253 |
| Contact mailing address PO Box 420, Farmington, NM 87499 | |

## Location of Release Source

Latitude 36.3697205 Longitude -107.6721954
*(NAD 83 in decimal degrees to 5 decimal places)*

| | |
|---|---|
| Site Name Anabel B #1 | Site Type Oil Well |
| Date Release Discovered 6/29/21 | API# *(if applicable)* 30-045-26527 |

| Unit Letter | Section | Township | Range | County |
|---|---|---|---|---|
| K | 27 | 25N | 8W | San Juan |

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) 20 | Volume Recovered (bbls) 15 |
| ☐ Produced Water | Volume Released (bbls) | Volume Recovered (bbls) |
| | 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<br><br>Corrosion of tank bottom | | |

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Page 2

State of New Mexico
Oil Conservation Division

| | |
|---|---|
| Incident ID | NAPP2118234253 |
| District RP | |
| Facility ID | |
| Application ID | |

| | |
|---|---|
| Was this a major release as defined by 19.15.29.7(A) NMAC?<br>☐ Yes ☒ No | If YES, for what reason(s) does the responsible party consider this a major release? |
| If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? | |

## Initial Response

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

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

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

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

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

Printed Name: Kevin Smaka  Title: Engineer

Signature: Kevin Smaka  Date: June 30, 2021

email: Kevin.Smaka@duganproduction.com  Telephone: 505-325-1821 x1049

**OCD Only**

Received by: Ramona Marcus  Date: 11/1/2021

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Page 3

State of New Mexico
Oil Conservation Division

| | |
|---|---|
| Incident ID | NAPP2118234253 |
| District RP | |
| Facility ID | |
| Application ID | |

# Site Assessment/Characterization

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

| | |
|---|---|
| What is the shallowest depth to groundwater beneath the area affected by the release? | 700 (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.

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

| | |
|---|---|
| Incident ID | NAPP2118234253 |
| District RP | |
| Facility ID | |
| Application ID | |

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

Printed Name: Kevin Smaka Title: Engineer

Signature: Kevin Smaka Date: 10-21-21

email: Kevin.smaka@dugan.com Telephone:

**OCD Only**

Received by: Ramona Marcus Date: 11/1/2021

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Page 5

State of New Mexico
Oil Conservation Division

| | |
|---|---|
| Incident ID | NAPP2118234253 |
| District RP | |
| Facility ID | |
| Application ID | |

# Remediation Plan

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

- [x] Detailed description of proposed remediation technique
- [x] Scaled sitemap with GPS coordinates showing delineation points
- [x] Estimated volume of material to be remediated
- [x] Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- [x] 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: Kevin Smaka Title: Engineer

Signature: Kevin Smaka Date: 10-21-21

email: _____ Telephone: 505-325-1821

**OCD Only**

Received by: Ramona Marcus Date: 11/01/2021

- [ ] Approved
- [ ] Approved with Attached Conditions of Approval
- [ ] Denied
- [ ] Deferral Approved

Signature: _____ Date: _____

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Page 6

State of New Mexico
Oil Conservation Division

| | |
|---|---|
| Incident ID | |
| District RP | |
| Facility ID | |
| 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: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

**OCD Only**

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

# National Flood Hazard Layer FIRMette

FEMA

107°40'40"W 36°22'26"N


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

1:6,000

107°40'2"W 36°21'57"N



Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

**SPECIAL FLOOD HAZARD AREAS**
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

**OTHER AREAS OF FLOOD HAZARD**
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

**OTHER AREAS**
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

**GENERAL STRUCTURES**
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

**OTHER FEATURES**
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- 513 Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

**MAP PANELS**
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 10/13/2021 at 4:34 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.


027
T25N - R08W
Legend
Anabel B 1
Delineation Points
Spill Area
0 35 70 140 210 280
Feet
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

# Spill Characterization Report

Dugan Production Corp.

Anabel B #1
API# 30-045-26527
K-27-25N-08W
1860 FSL 1680 FWL

A tank at Dugan Production Corp. Anabel B #1 well site, on 6/29/21, lost integrity due to corrosion and as a result spilled oil inside the berm of the tank. All fluids were contained within the tank berm area. Dugan crews began work to remediate the spill on 6/30/21. Soil samples of the initial excavated soil was collected, sent to Envirotech for analysis. Those initial results may be found at the end of this report as item #1. Initial sampling results indicated high TPH and clear signs of needing to expand the excavation to delineate and remediate the spill.

Dugan crews began work to further excavate and delineate the spill. Dugan personnel dug down until soils began to appear free of staining and hydrocarbon odors. Clean dirt was found at an average depth of 10 feet. At this point the crew began working to delineate the lateral extents of the spill. Crews excavated soils until they excavated a hole with dimensions of 32' x 30' x 10'.

The excavation appeared to be successful due to the fact soils removed from the hole were odorless and free of staining. Confirmation sampling was scheduled to confirm remediation was successful. The results indicated that all the side walls were free of any contaminants. The results from the bottom of the excavation were significantly better than the initial samples. One of the samples had DRO values higher than permitted in table 1 of the spill rule. As such Dugan will be submitting a remediation plan to address and remediate the spill at this tank battery.

## Field Data

6-29-21 Spill was discovered by Dugan personnel. Oil spill is contained within berm. Water truck was called to recover standing oil inside of berm. In order to protect the public and wildlife a fence was constructed around the spill site.

6-30-21 Dugan crews began efforts to delineate the spill. Contaminated soil was excavated and stockpiled within a berm to prevent liquids from spreading and contaminating other soils. Soils appear brown and grey and contain strong hydrocarbon odors. Current hole size is 5' x 5' x 5'.

7-15-21 Dugan crews continued remedial efforts. Crew foreman noted strong odors and visual evidence of hydrocarbons appeared to be dissipating. Samples we collected to verify that spill had been delineated. Sample results indicated high levels of hydrocarbons were present in the bottom of the pit. Crew continuing to excavate deeper and further out until sample results indicate the spill is delineated.

8-2-21 Heavy rains have made accessing the location dangerous to Dugan personnel. Pandemic issues with the labor force have impacted Dugan's ability to hire a contract blade service to repair the roads so heavy equipment may be safely transported to the location.

8-27-21 Roads have been repaired. Dugan crews continued delineation efforts. Hole is now approximately 25' x 25' x 10'. Signs of staining on the sidewalls and bottom of the hole are gone. Soils are free of hydrocarbon odors. Samples were collected to confirm the spill has been adequately delineated. Sample results indicated conditions are improving but values for hydrocarbons are still too high to consider this for closure or delineation purposes.

10-4-21 Field crews have expanded the hole to be a size of nearly 32'x 30' x 10'. All walls and base appear to be free of hydrocarbon staining. Soils are mostly free of hydrocarbon odors. Some handfuls of dirt had faint trace odors of hydrocarbons. Samples were collected to verify delineation efforts were successful. Results indicated one area in the base still tested too high for DRO limits. A site characterization and spill remediation C-141 will be prepared and submitted to OCD to complete further remedial actions.

**Excavation Log/Notes**

| Pit dimensions (feet by feet) | Pit depth (feet) | Soil Conditions |
|---|---|---|
| 5 x 5 | 5 | Soils are heavily stained and have strong odors |
| 5 x 10 | 10 | Soils at 10 feet appear clean. Walls are visibly stained and have strong odors |
| 10 x 10 | 10 | Side walls are still stained. Base clears up at a depth of 10 feet |
| 15 x 10 | 10 | Side walls are heavily stained and have strong odors |
| 15 x 15 | 10 | Soils are heavily stained and have strong odors |
| 20 x 15 | 10 | Soils are heavily stained and have strong odors |
| 20 x 20 | 10 | Soils are heavily stained and have strong odors |
| 25x 20 | 10 | Soils are heavily stained and have strong odors |
| 25 x 25 | 10 | Soils are heavily stained and have strong odors |
| 30 x 25 | 10 | Side walls are starting to clear up. Spotting is still present but improving. The base is still in good condition. |
| 30 x 30 | 10 | Side walls are in very good condition. One wall still exhibits staining and must have a little more dirt removed to delineate spill. |
| 32 x 30 | 10 | Walls and base are free of staining and odors. Any discoloration can be attributed to soil type as they are free of odors. Sampling will be conducted to verify delineation efforts. |

# New Mexico Office of the State Engineer
# Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

| POD Number | POD Sub-basin Code | County | Q 64 | Q 16 | Q 4 | Sec | Tws | Rng | X | Y | Depth Well | Depth Water | Water Column |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SJ 03275 | SJ | SJ | 4 | 2 | 2 | 25 | 25N | 08W | 264502 | 4028868* | 57 | 18 | 39 |

Average Depth to Water: **18 feet**

Minimum Depth: **18 feet**

Maximum Depth: **18 feet**

**Record Count:** 1

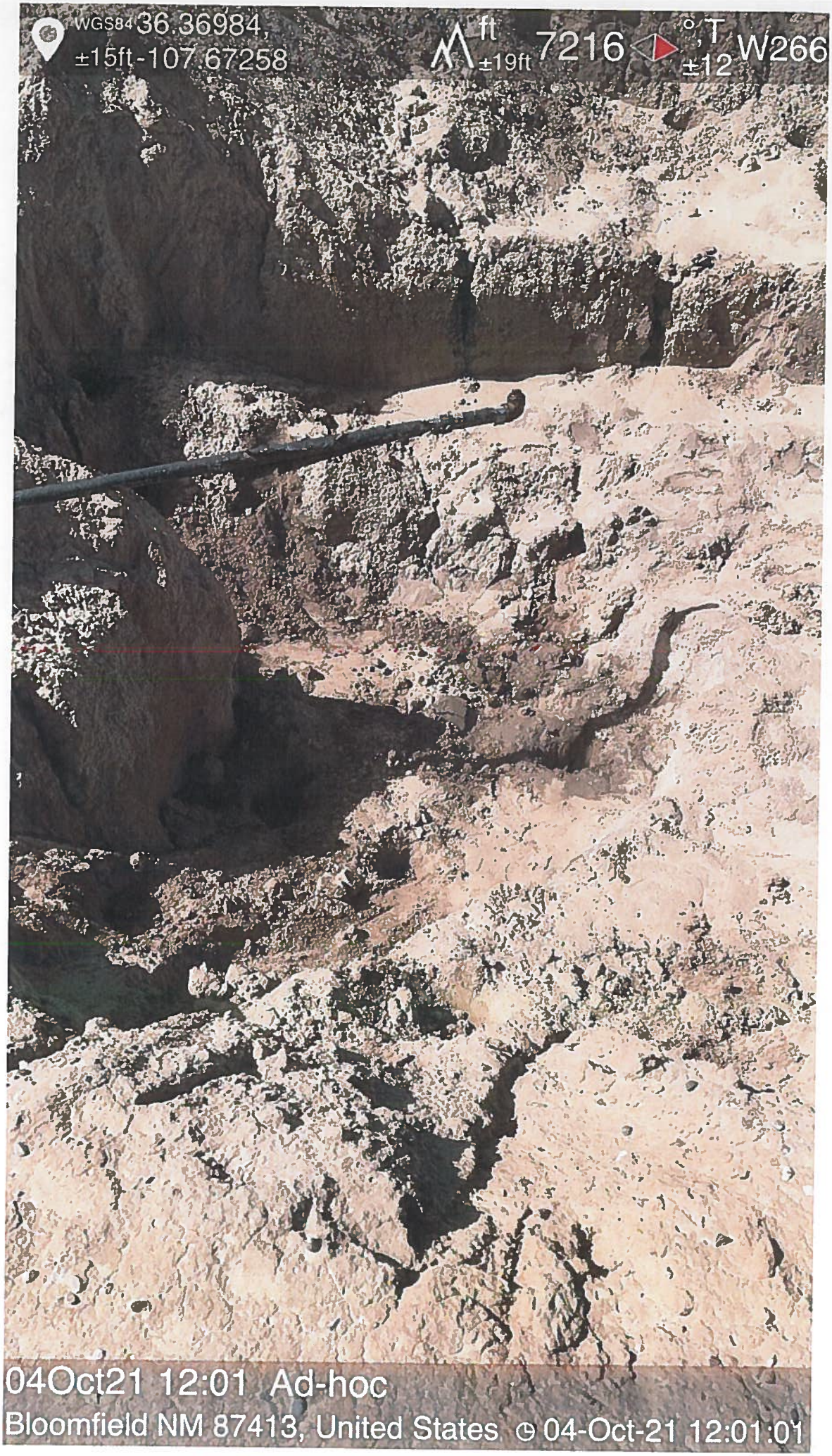
**Basin/County Search:**

**Basin:** San Juan **County:** San Juan

**PLSS Search:**

**Section(s):** 21-35 **Township:** 25N **Range:** 08W

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

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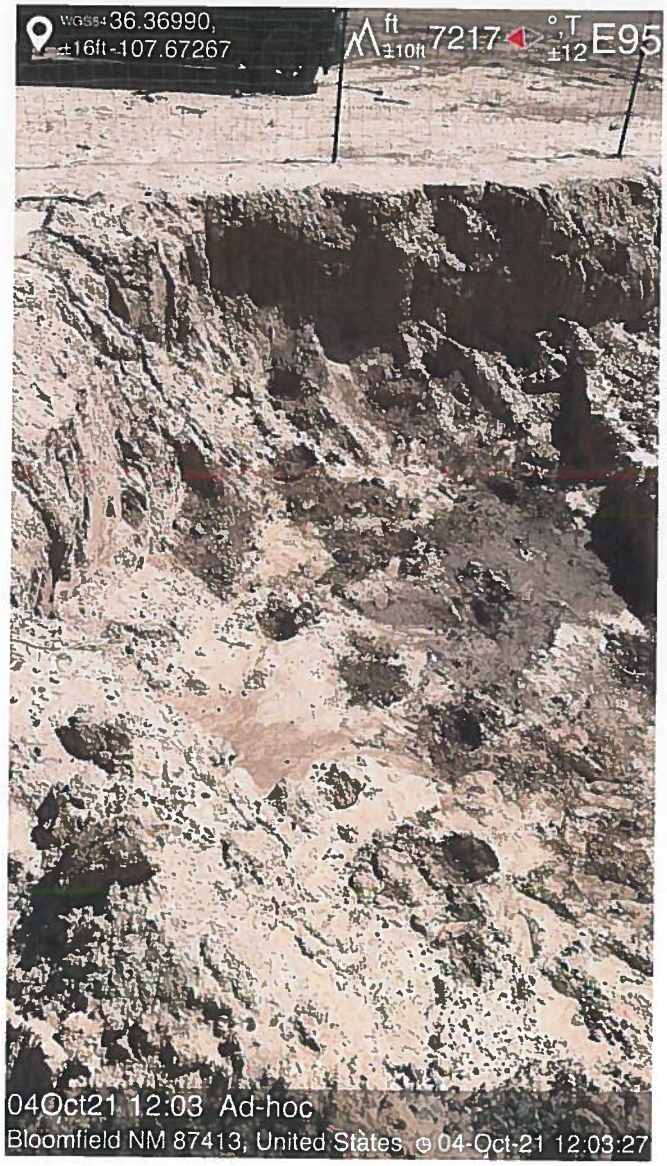


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°T
±12
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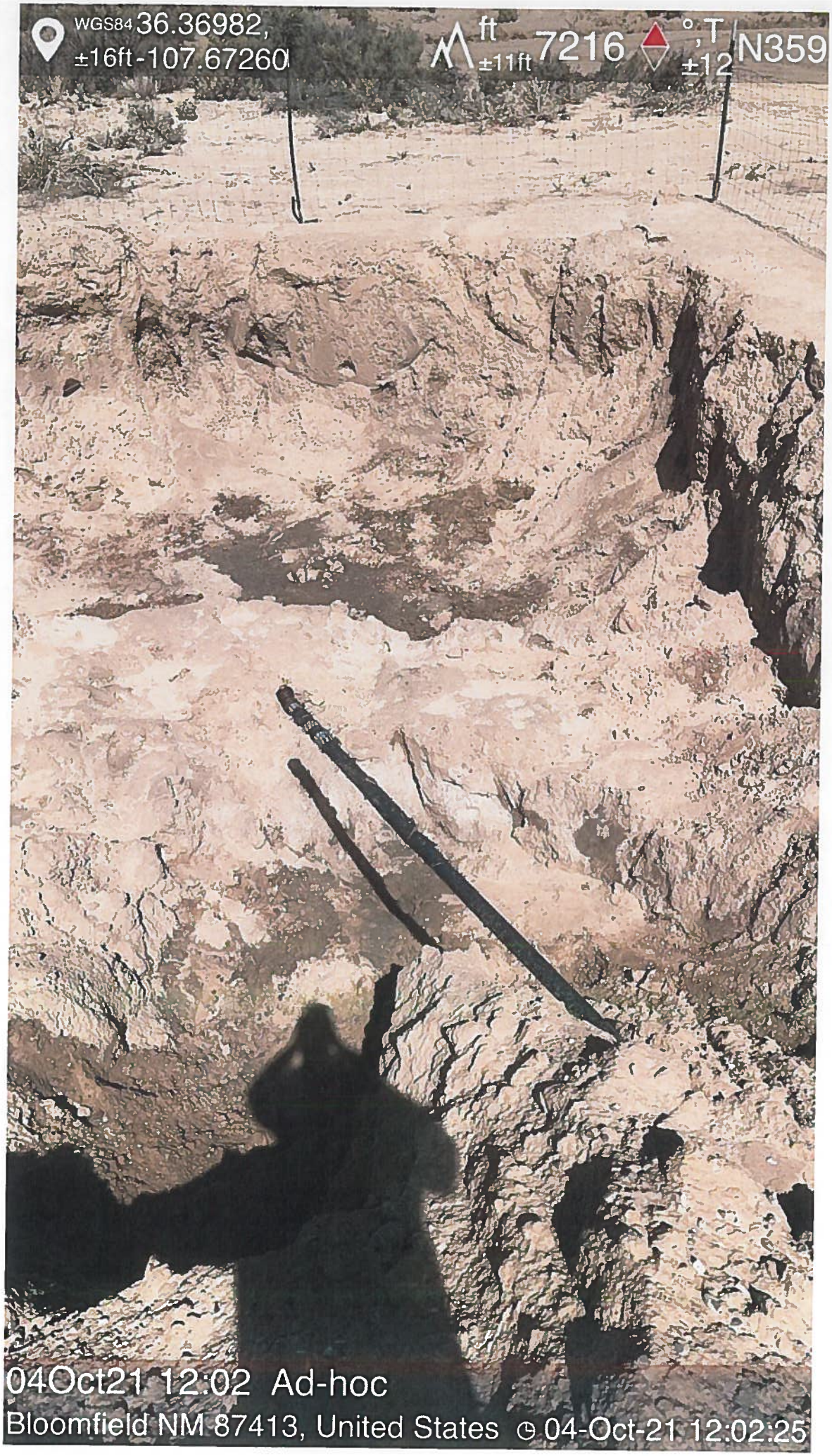
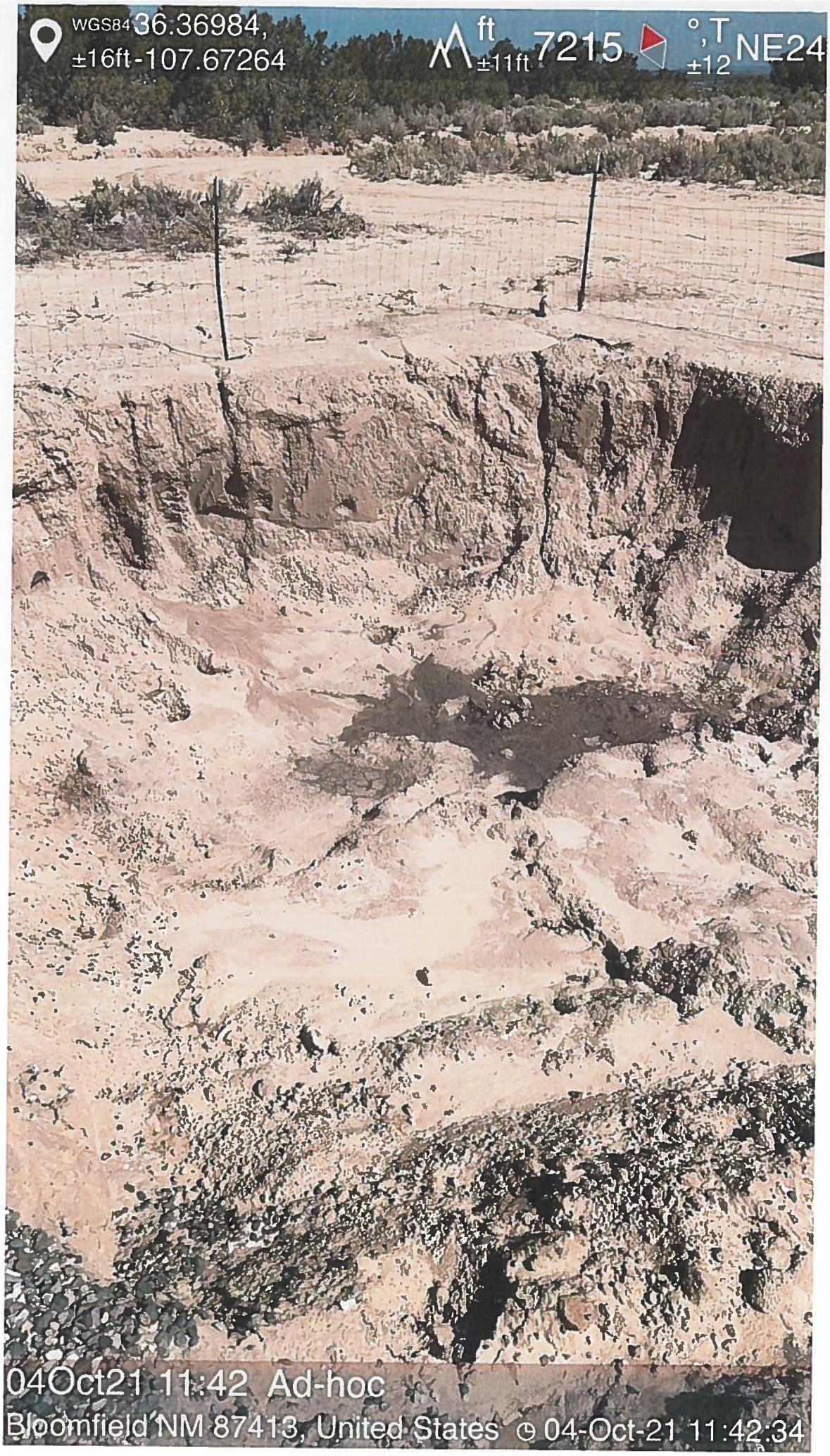
Bloomfield NM 87413, United States 04-Oct-21 12:02:45



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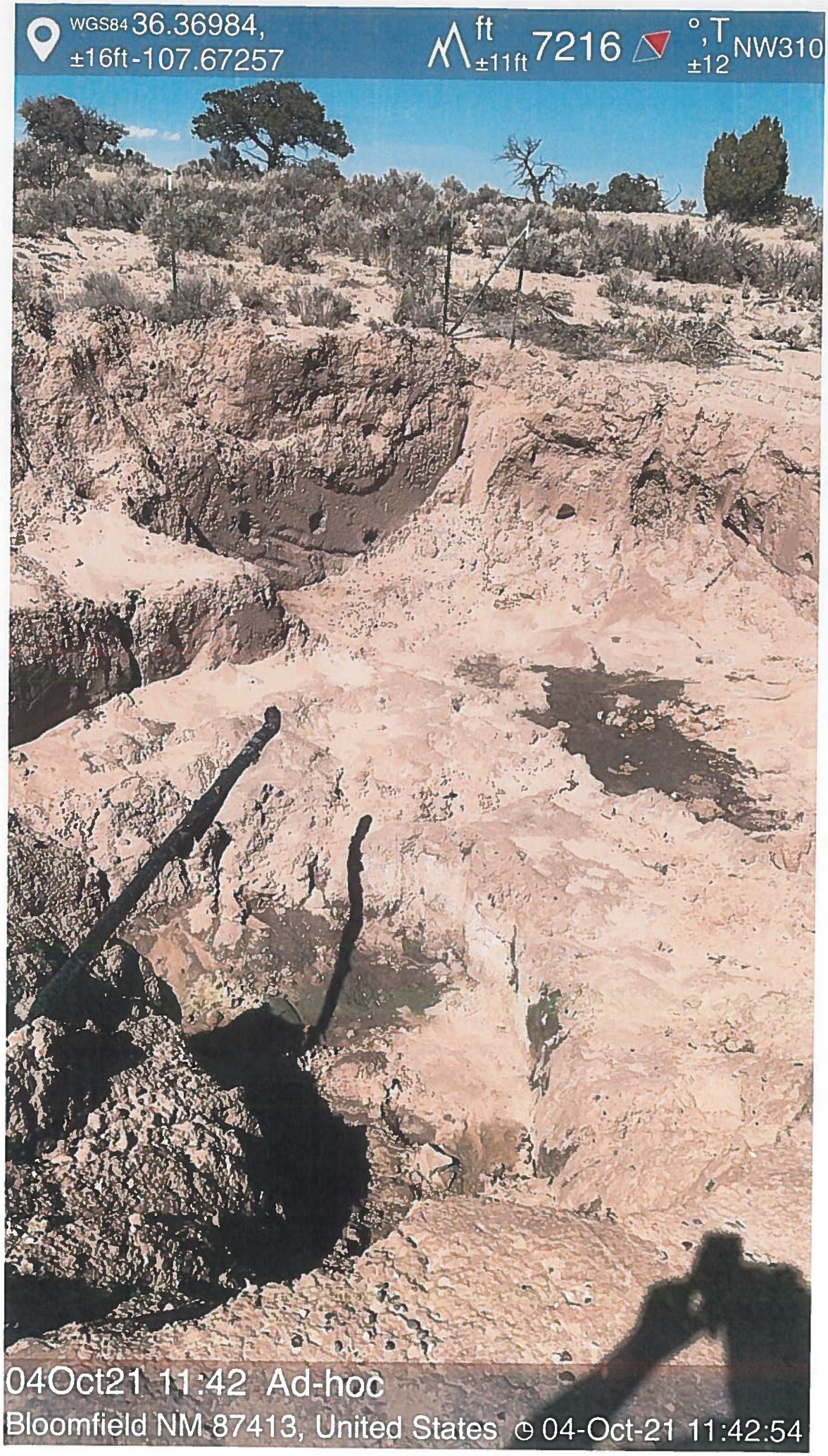

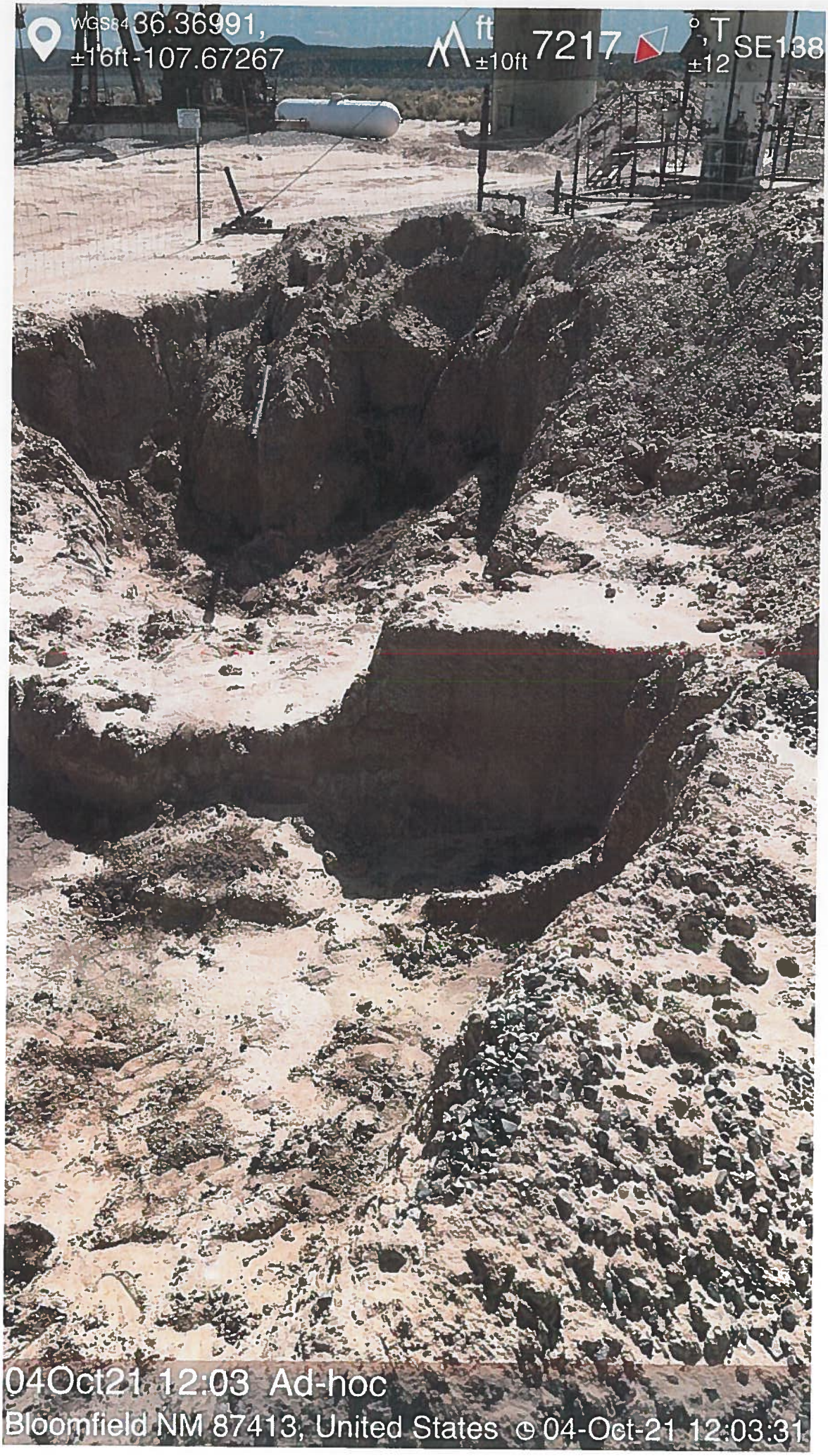

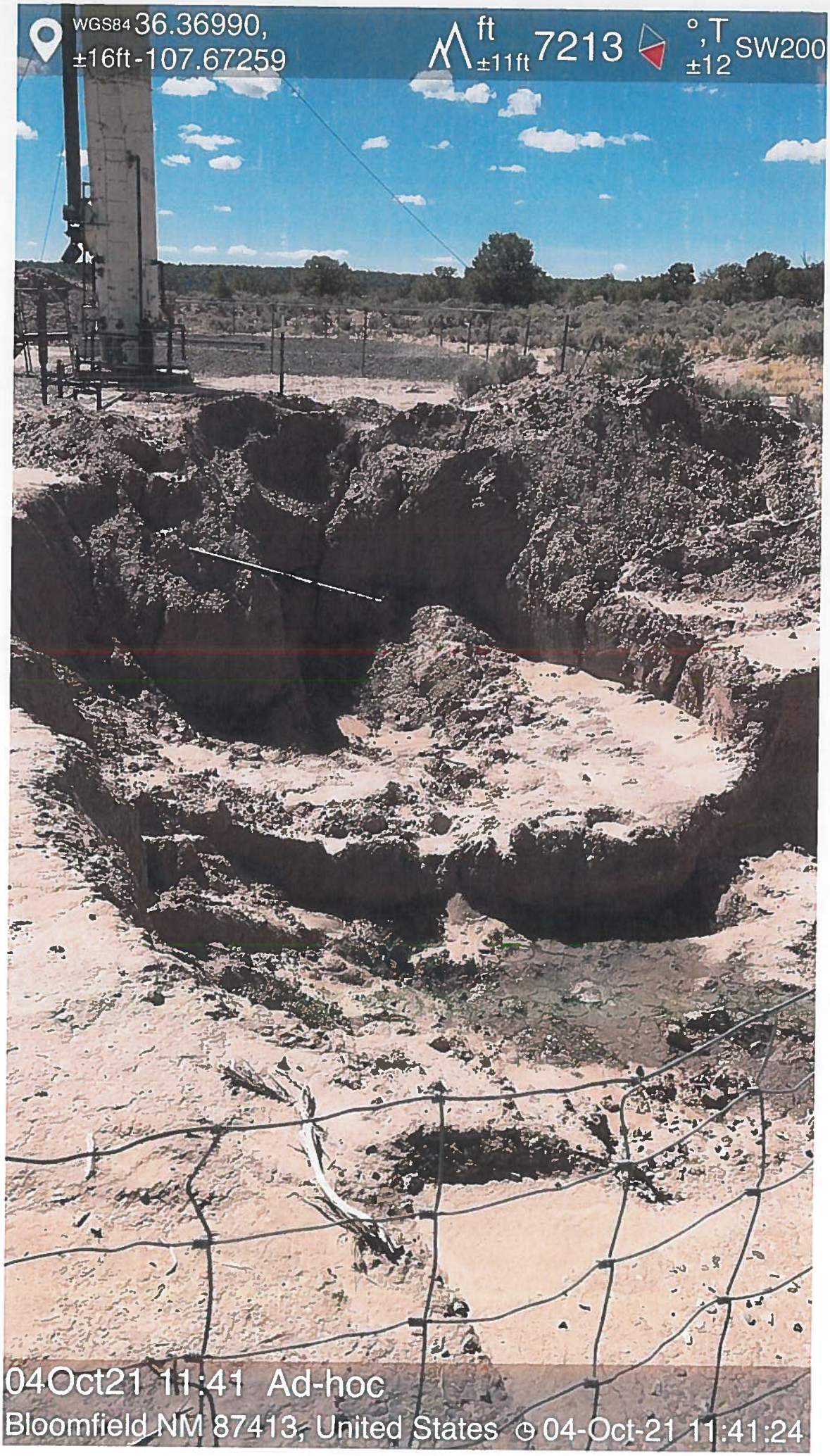

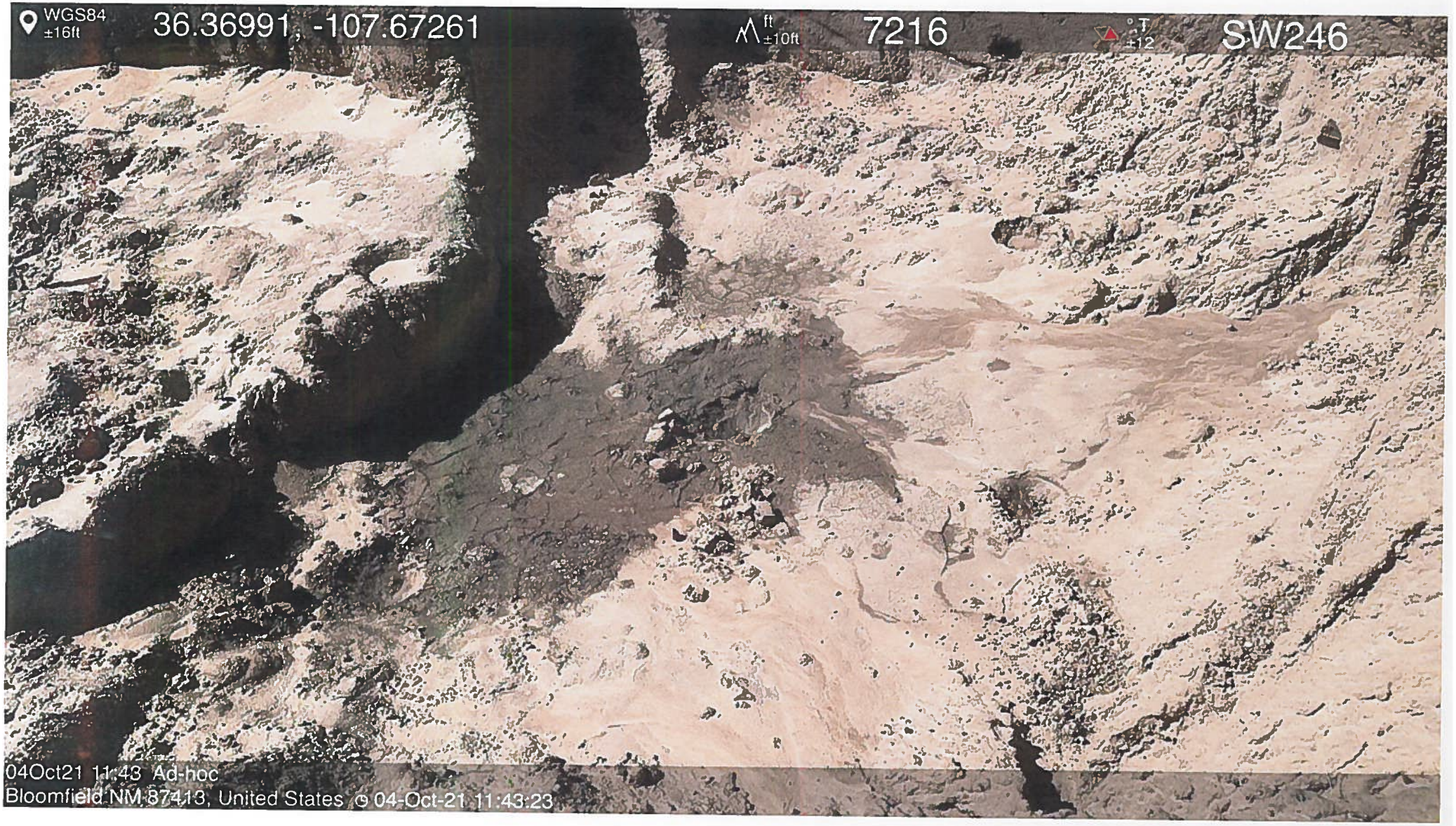
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±10ft
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±12
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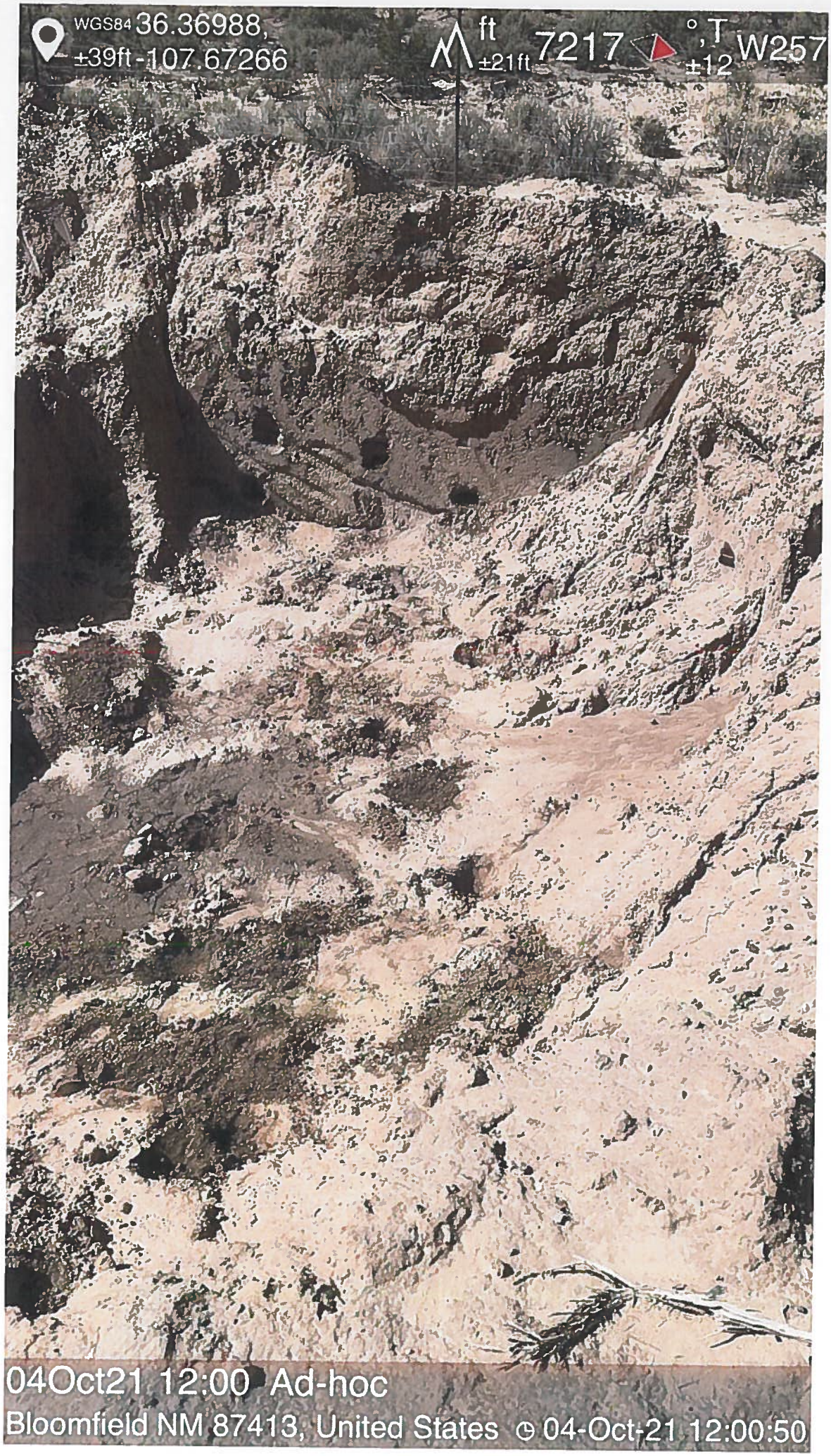
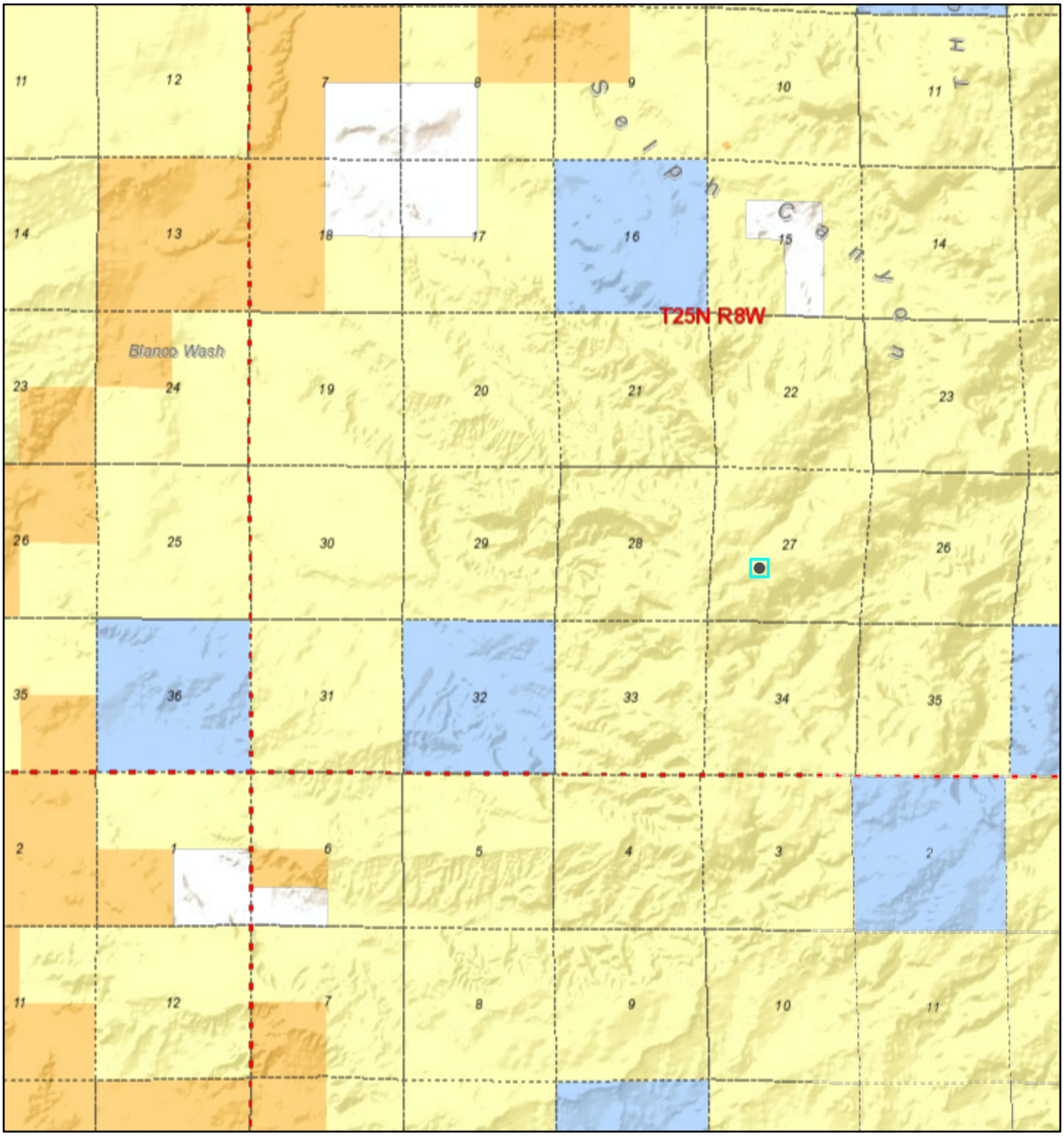


# Active Mines in New Mexico




10/13/2021, 2:35:55 PM

1:72,224

0 0.5 1 2 mi

0 0.75 1.5 3 km

Township / Range

Sections

Land Ownership

Bureau of Land Management

Bureau of Reclamation

Department of Agriculture

Department of Defense

Department of Energy

National Park Service

Private Land

State Game and Fish

State Land

State Parks

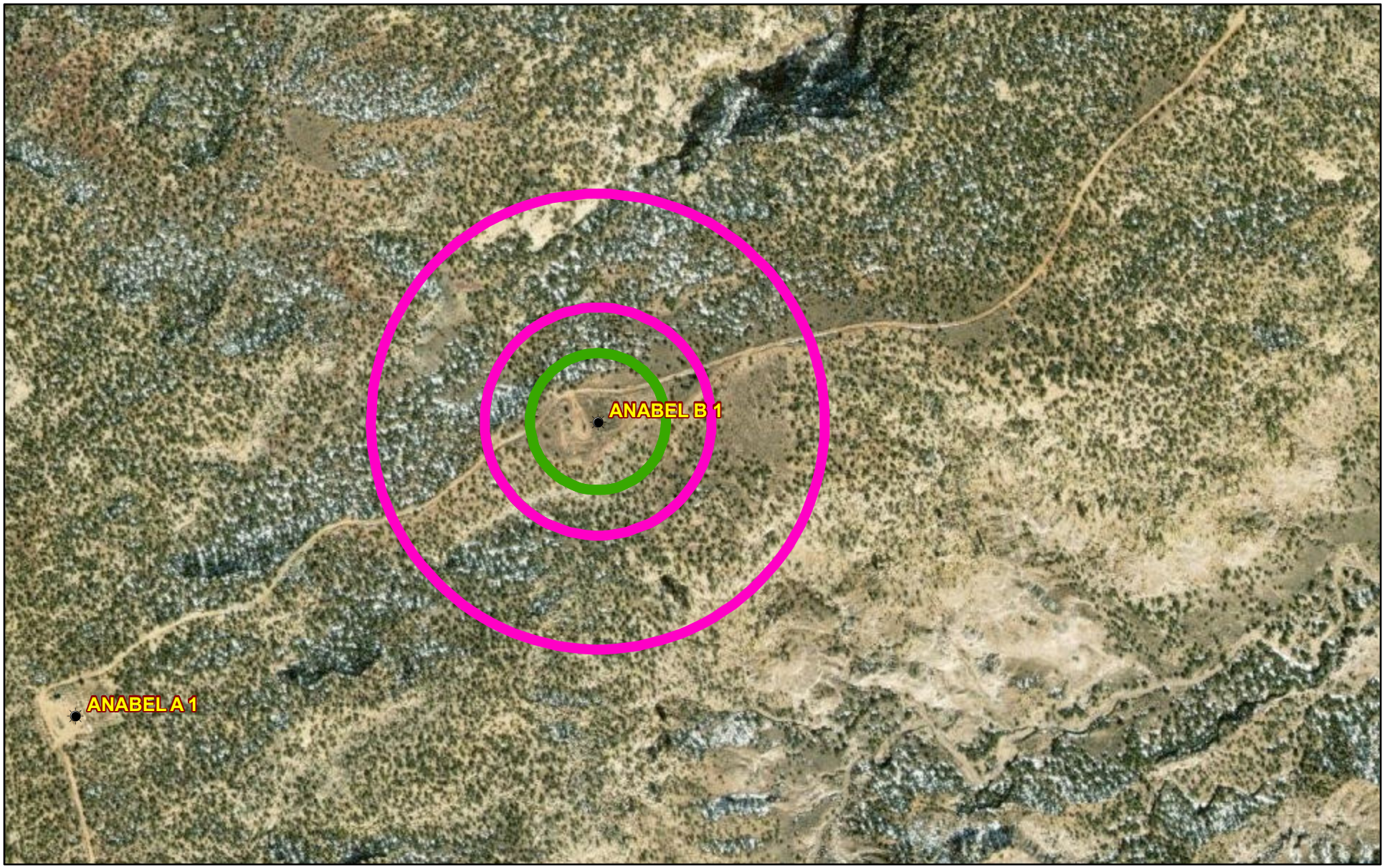
Tribal

U.S. Bureau of Land Management - New Mexico State Office, Sources: Esri, USGS, NOAA, Sources: Esri, Garmin, USGS, NPS

EMNRD MMD GIS Coordinator

New Energy, Minerals and Natural Resources Department (http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=1b5e577974664d689b47790897ca2795)

# Anabel B1 Spill Map Buffers




10/13/2021

Buffer_of_Anabel_B1

500 foot buffer

300 foot buffer

1000 foot buffer

DPC Oils Wells

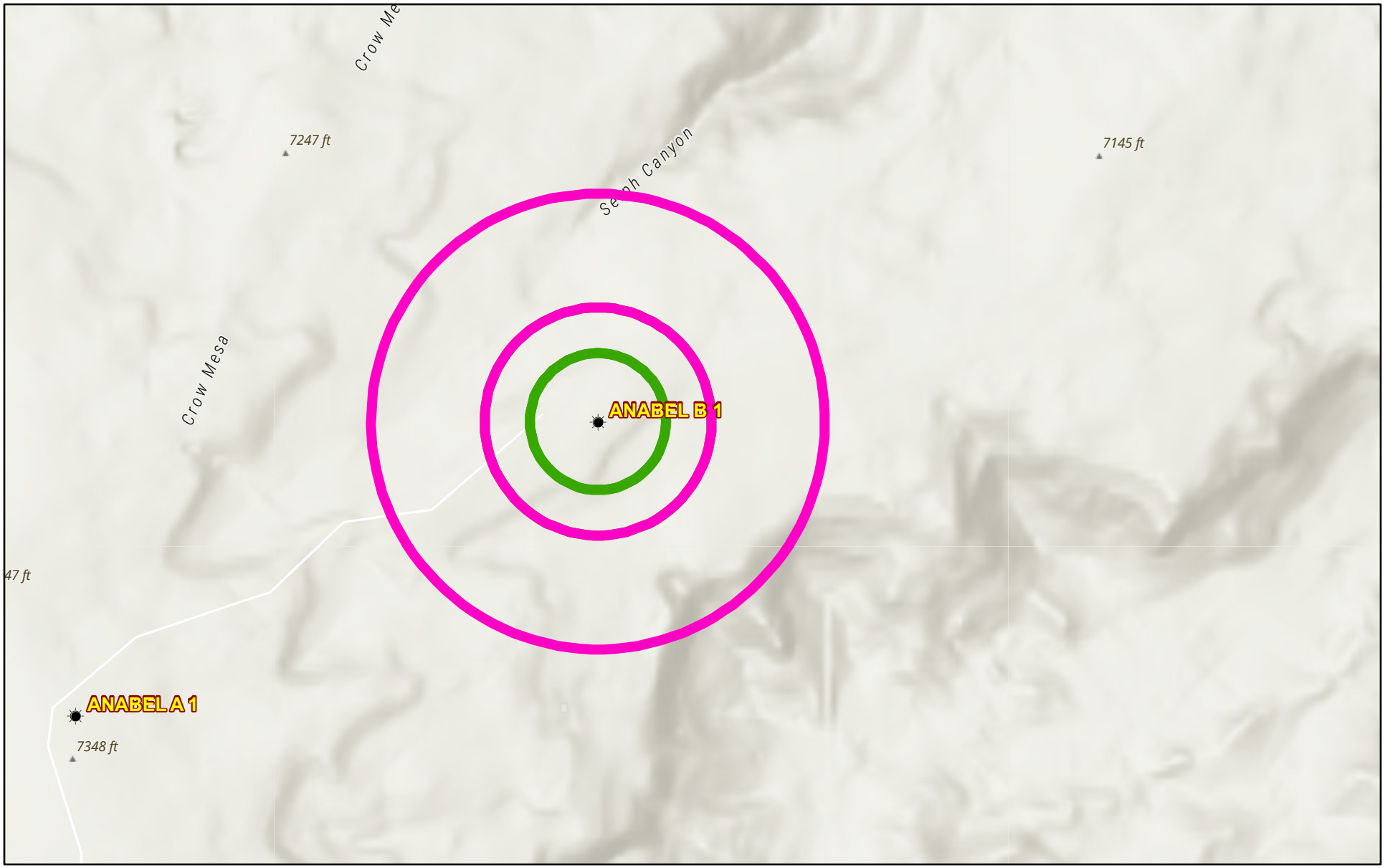
1:9,028

0 0.05 0.1 0.2 mi

0 0.1 0.2 0.4 km

Maxar

# Anabel B1 Spill Map Buffers




10/13/2021

Buffer_of_Anabel_B1

500 foot buffer

300 foot buffer

1000 foot buffer

DPC Oils Wells

1:9,028

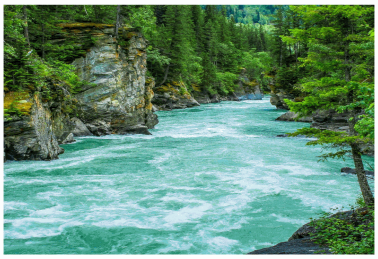
0 0.05 0.1 0.2 mi

0 0.1 0.2 0.4 km

Esri, NASA, NGA, USGS, FEMA, Esri Community Maps Contributors, New

Report to:

Kevin Smaka



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

# envirotech

***Practical Solutions for a Better Tomorrow***

## Analytical Report

Dugan Production Corp.

| | |
|---|---|
| Project Name: | Anabel |
| Work Order: | E110015 |
| Job Number: | 06094-0177 |
| Received: | 10/4/2021 |

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/7/21

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 10/7/21

Kevin Smaka
PO Box 420
Farmington, NM 87499

Project Name: Anabel
Workorder: E110015
Date Received: 10/4/2021 1:37:00PM

Kevin Smaka,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/4/2021 1:37:00PM, under the Project Name: Anabel.

The analytical test results summarized in this report with the Project Name: Anabel apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

**Walter Hinchman**
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

**Raina Schwanz**
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

**Alexa Michaels**
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

**Southern New Mexico Area**
**Lynn Jarboe**
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

**West Texas Midland/Odessa Area**
**Tom Brown**
Technical Representative
Cell: 832-444-7704
tbrown@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

# Table of Contents

# Sample Summary

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Anabel | **Reported:** |
| PO Box 420 | Project Number: | 06094-0177 | |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 10/07/21 16:26 |

| Client Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container |
|---|---|---|---|---|---|
| Anabel B1 | E110015-01A | Soil | 10/04/21 | 10/04/21 | Glass Jar, 4 oz. |
| Anabel B2 | E110015-02A | Soil | 10/04/21 | 10/04/21 | Glass Jar, 4 oz. |
| Anabel B3 | E110015-03A | Soil | 10/04/21 | 10/04/21 | Glass Jar, 4 oz. |
| Anabel W1 | E110015-04A | Soil | 10/04/21 | 10/04/21 | Glass Jar, 4 oz. |
| Anabel W2 | E110015-05A | Soil | 10/04/21 | 10/04/21 | Glass Jar, 4 oz. |
| Anabel W3 | E110015-06A | Soil | 10/04/21 | 10/04/21 | Glass Jar, 4 oz. |
| Anabel W4 | E110015-07A | Soil | 10/04/21 | 10/04/21 | Glass Jar, 4 oz. |
| Anabel W5 | E110015-08A | Soil | 10/04/21 | 10/04/21 | Glass Jar, 4 oz. |
| Anabel W6 | E110015-09A | Soil | 10/04/21 | 10/04/21 | Glass Jar, 4 oz. |

# Sample Data

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Anabel | |
| PO Box 420 | Project Number: | 06094-0177 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 10/7/2021 4:26:37PM |

## Anabel B1

## E110015-01

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by EPA 8260B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2141029 |
| Benzene | ND | 0.0250 | 1 | 10/06/21 | 10/07/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 10/06/21 | 10/07/21 | |
| Toluene | ND | 0.0250 | 1 | 10/06/21 | 10/07/21 | |
| o-Xylene | ND | 0.0250 | 1 | 10/06/21 | 10/07/21 | |
| p,m-Xylene | ND | 0.0500 | 1 | 10/06/21 | 10/07/21 | |
| Total Xylenes | ND | 0.0250 | 1 | 10/06/21 | 10/07/21 | |
| *Surrogate: Bromofluorobenzene* | | *91.0 %* | *70-130* | *10/06/21* | *10/07/21* | |
| *Surrogate: 1,2-Dichloroethane-d4* | | *103 %* | *70-130* | *10/06/21* | *10/07/21* | |
| *Surrogate: Toluene-d8* | | *97.4 %* | *70-130* | *10/06/21* | *10/07/21* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2141029 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 10/06/21 | 10/07/21 | |
| *Surrogate: Bromofluorobenzene* | | *91.0 %* | *70-130* | *10/06/21* | *10/07/21* | |
| *Surrogate: 1,2-Dichloroethane-d4* | | *103 %* | *70-130* | *10/06/21* | *10/07/21* | |
| *Surrogate: Toluene-d8* | | *97.4 %* | *70-130* | *10/06/21* | *10/07/21* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2141032 |
| Diesel Range Organics (C10-C28) | **1170** | 50.0 | 2 | 10/06/21 | 10/07/21 | |
| Oil Range Organics (C28-C36) | **522** | 100 | 2 | 10/06/21 | 10/07/21 | |
| *Surrogate: n-Nonane* | | *114 %* | *50-200* | *10/06/21* | *10/07/21* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2141028 |
| Chloride | **21.1** | 20.0 | 1 | 10/06/21 | 10/06/21 | |

# Sample Data

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Anabel | |
| PO Box 420 | Project Number: | 06094-0177 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 10/7/2021 4:26:37PM |

## Anabel B2

## E110015-02

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by EPA 8260B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2141029 |
| Benzene | ND | 0.0250 | 1 | 10/06/21 | 10/07/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 10/06/21 | 10/07/21 | |
| Toluene | ND | 0.0250 | 1 | 10/06/21 | 10/07/21 | |
| o-Xylene | ND | 0.0250 | 1 | 10/06/21 | 10/07/21 | |
| p,m-Xylene | ND | 0.0500 | 1 | 10/06/21 | 10/07/21 | |
| Total Xylenes | ND | 0.0250 | 1 | 10/06/21 | 10/07/21 | |
| *Surrogate: Bromofluorobenzene* | | *92.7 %* | *70-130* | *10/06/21* | *10/07/21* | |
| *Surrogate: 1,2-Dichloroethane-d4* | | *103 %* | *70-130* | *10/06/21* | *10/07/21* | |
| *Surrogate: Toluene-d8* | | *97.4 %* | *70-130* | *10/06/21* | *10/07/21* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2141029 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 10/06/21 | 10/07/21 | |
| *Surrogate: Bromofluorobenzene* | | *92.7 %* | *70-130* | *10/06/21* | *10/07/21* | |
| *Surrogate: 1,2-Dichloroethane-d4* | | *103 %* | *70-130* | *10/06/21* | *10/07/21* | |
| *Surrogate: Toluene-d8* | | *97.4 %* | *70-130* | *10/06/21* | *10/07/21* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2141032 |
| Diesel Range Organics (C10-C28) | **141** | 25.0 | 1 | 10/06/21 | 10/07/21 | |
| Oil Range Organics (C28-C36) | **85.8** | 50.0 | 1 | 10/06/21 | 10/07/21 | |
| *Surrogate: n-Nonane* | | *107 %* | *50-200* | *10/06/21* | *10/07/21* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2141028 |
| Chloride | ND | 20.0 | 1 | 10/06/21 | 10/06/21 | |

# Sample Data

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Anabel | |
| PO Box 420 | Project Number: | 06094-0177 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 10/7/2021 4:26:37PM |

## Anabel B3

**E110015-03**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by EPA 8260B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2141029 |
| Benzene | ND | 0.0250 | 1 | 10/06/21 | 10/07/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 10/06/21 | 10/07/21 | |
| Toluene | ND | 0.0250 | 1 | 10/06/21 | 10/07/21 | |
| o-Xylene | ND | 0.0250 | 1 | 10/06/21 | 10/07/21 | |
| p,m-Xylene | ND | 0.0500 | 1 | 10/06/21 | 10/07/21 | |
| Total Xylenes | ND | 0.0250 | 1 | 10/06/21 | 10/07/21 | |
| *Surrogate: Bromofluorobenzene* | | *90.2 %* | *70-130* | *10/06/21* | *10/07/21* | |
| *Surrogate: 1,2-Dichloroethane-d4* | | *99.4 %* | *70-130* | *10/06/21* | *10/07/21* | |
| *Surrogate: Toluene-d8* | | *97.1 %* | *70-130* | *10/06/21* | *10/07/21* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2141029 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 10/06/21 | 10/07/21 | |
| *Surrogate: Bromofluorobenzene* | | *90.2 %* | *70-130* | *10/06/21* | *10/07/21* | |
| *Surrogate: 1,2-Dichloroethane-d4* | | *99.4 %* | *70-130* | *10/06/21* | *10/07/21* | |
| *Surrogate: Toluene-d8* | | *97.1 %* | *70-130* | *10/06/21* | *10/07/21* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2141032 |
| Diesel Range Organics (C10-C28) | **116** | 25.0 | 1 | 10/06/21 | 10/07/21 | |
| Oil Range Organics (C28-C36) | **74.7** | 50.0 | 1 | 10/06/21 | 10/07/21 | |
| *Surrogate: n-Nonane* | | *112 %* | *50-200* | *10/06/21* | *10/07/21* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2141028 |
| Chloride | **21.3** | 20.0 | 1 | 10/06/21 | 10/06/21 | |

# Sample Data

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Anabel | |
| PO Box 420 | Project Number: | 06094-0177 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 10/7/2021 4:26:37PM |

## Anabel W1

## E110015-04

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by EPA 8260B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2141029 |
| Benzene | ND | 0.0250 | 1 | 10/06/21 | 10/07/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 10/06/21 | 10/07/21 | |
| Toluene | ND | 0.0250 | 1 | 10/06/21 | 10/07/21 | |
| o-Xylene | ND | 0.0250 | 1 | 10/06/21 | 10/07/21 | |
| p,m-Xylene | ND | 0.0500 | 1 | 10/06/21 | 10/07/21 | |
| Total Xylenes | ND | 0.0250 | 1 | 10/06/21 | 10/07/21 | |
| *Surrogate: Bromofluorobenzene* | | *91.3 %* | *70-130* | *10/06/21* | *10/07/21* | |
| *Surrogate: 1,2-Dichloroethane-d4* | | *97.8 %* | *70-130* | *10/06/21* | *10/07/21* | |
| *Surrogate: Toluene-d8* | | *98.3 %* | *70-130* | *10/06/21* | *10/07/21* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2141029 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 10/06/21 | 10/07/21 | |
| *Surrogate: Bromofluorobenzene* | | *91.3 %* | *70-130* | *10/06/21* | *10/07/21* | |
| *Surrogate: 1,2-Dichloroethane-d4* | | *97.8 %* | *70-130* | *10/06/21* | *10/07/21* | |
| *Surrogate: Toluene-d8* | | *98.3 %* | *70-130* | *10/06/21* | *10/07/21* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2141032 |
| Diesel Range Organics (C10-C28) | **191** | 25.0 | 1 | 10/06/21 | 10/07/21 | |
| Oil Range Organics (C28-C36) | **144** | 50.0 | 1 | 10/06/21 | 10/07/21 | |
| *Surrogate: n-Nonane* | | *115 %* | *50-200* | *10/06/21* | *10/07/21* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2141028 |
| Chloride | ND | 20.0 | 1 | 10/06/21 | 10/06/21 | |

# Sample Data

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Anabel | |
| PO Box 420 | Project Number: | 06094-0177 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 10/7/2021 4:26:37PM |

## Anabel W2

## E110015-05

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by EPA 8260B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2141029 |
| Benzene | ND | 0.0250 | 1 | 10/06/21 | 10/07/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 10/06/21 | 10/07/21 | |
| Toluene | ND | 0.0250 | 1 | 10/06/21 | 10/07/21 | |
| o-Xylene | ND | 0.0250 | 1 | 10/06/21 | 10/07/21 | |
| p,m-Xylene | ND | 0.0500 | 1 | 10/06/21 | 10/07/21 | |
| Total Xylenes | ND | 0.0250 | 1 | 10/06/21 | 10/07/21 | |
| *Surrogate: Bromofluorobenzene* | | *90.3 %* | *70-130* | *10/06/21* | *10/07/21* | |
| *Surrogate: 1,2-Dichloroethane-d4* | | *99.5 %* | *70-130* | *10/06/21* | *10/07/21* | |
| *Surrogate: Toluene-d8* | | *98.2 %* | *70-130* | *10/06/21* | *10/07/21* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2141029 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 10/06/21 | 10/07/21 | |
| *Surrogate: Bromofluorobenzene* | | *90.3 %* | *70-130* | *10/06/21* | *10/07/21* | |
| *Surrogate: 1,2-Dichloroethane-d4* | | *99.5 %* | *70-130* | *10/06/21* | *10/07/21* | |
| *Surrogate: Toluene-d8* | | *98.2 %* | *70-130* | *10/06/21* | *10/07/21* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2141032 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 10/06/21 | 10/07/21 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 10/06/21 | 10/07/21 | |
| *Surrogate: n-Nonane* | | *115 %* | *50-200* | *10/06/21* | *10/07/21* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2141028 |
| Chloride | ND | 20.0 | 1 | 10/06/21 | 10/06/21 | |

# Sample Data

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Anabel | |
| PO Box 420 | Project Number: | 06094-0177 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 10/7/2021 4:26:37PM |

## Anabel W3

## E110015-06

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by EPA 8260B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2141029 |
| Benzene | ND | 0.0250 | 1 | 10/06/21 | 10/07/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 10/06/21 | 10/07/21 | |
| Toluene | ND | 0.0250 | 1 | 10/06/21 | 10/07/21 | |
| o-Xylene | ND | 0.0250 | 1 | 10/06/21 | 10/07/21 | |
| p,m-Xylene | ND | 0.0500 | 1 | 10/06/21 | 10/07/21 | |
| Total Xylenes | ND | 0.0250 | 1 | 10/06/21 | 10/07/21 | |
| *Surrogate: Bromofluorobenzene* | | *89.9 %* | *70-130* | *10/06/21* | *10/07/21* | |
| *Surrogate: 1,2-Dichloroethane-d4* | | *98.3 %* | *70-130* | *10/06/21* | *10/07/21* | |
| *Surrogate: Toluene-d8* | | *97.9 %* | *70-130* | *10/06/21* | *10/07/21* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2141029 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 10/06/21 | 10/07/21 | |
| *Surrogate: Bromofluorobenzene* | | *89.9 %* | *70-130* | *10/06/21* | *10/07/21* | |
| *Surrogate: 1,2-Dichloroethane-d4* | | *98.3 %* | *70-130* | *10/06/21* | *10/07/21* | |
| *Surrogate: Toluene-d8* | | *97.9 %* | *70-130* | *10/06/21* | *10/07/21* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2141032 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 10/06/21 | 10/07/21 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 10/06/21 | 10/07/21 | |
| *Surrogate: n-Nonane* | | *110 %* | *50-200* | *10/06/21* | *10/07/21* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2141028 |
| Chloride | ND | 20.0 | 1 | 10/06/21 | 10/06/21 | |

# Sample Data

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Anabel | |
| PO Box 420 | Project Number: | 06094-0177 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 10/7/2021 4:26:37PM |

## Anabel W4

## E110015-07

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by EPA 8260B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2141029 |
| Benzene | ND | 0.0250 | 1 | 10/06/21 | 10/07/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 10/06/21 | 10/07/21 | |
| Toluene | ND | 0.0250 | 1 | 10/06/21 | 10/07/21 | |
| o-Xylene | ND | 0.0250 | 1 | 10/06/21 | 10/07/21 | |
| p,m-Xylene | ND | 0.0500 | 1 | 10/06/21 | 10/07/21 | |
| Total Xylenes | ND | 0.0250 | 1 | 10/06/21 | 10/07/21 | |
| *Surrogate: Bromofluorobenzene* | | *89.6 %* | *70-130* | *10/06/21* | *10/07/21* | |
| *Surrogate: 1,2-Dichloroethane-d4* | | *97.9 %* | *70-130* | *10/06/21* | *10/07/21* | |
| *Surrogate: Toluene-d8* | | *97.0 %* | *70-130* | *10/06/21* | *10/07/21* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2141029 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 10/06/21 | 10/07/21 | |
| *Surrogate: Bromofluorobenzene* | | *89.6 %* | *70-130* | *10/06/21* | *10/07/21* | |
| *Surrogate: 1,2-Dichloroethane-d4* | | *97.9 %* | *70-130* | *10/06/21* | *10/07/21* | |
| *Surrogate: Toluene-d8* | | *97.0 %* | *70-130* | *10/06/21* | *10/07/21* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2141032 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 10/06/21 | 10/07/21 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 10/06/21 | 10/07/21 | |
| *Surrogate: n-Nonane* | | *108 %* | *50-200* | *10/06/21* | *10/07/21* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2141028 |
| Chloride | ND | 20.0 | 1 | 10/06/21 | 10/06/21 | |

# Sample Data

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Anabel | |
| PO Box 420 | Project Number: | 06094-0177 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 10/7/2021 4:26:37PM |

## Anabel W5

## E110015-08

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by EPA 8260B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2141029 |
| Benzene | ND | 0.0250 | 1 | 10/06/21 | 10/07/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 10/06/21 | 10/07/21 | |
| Toluene | ND | 0.0250 | 1 | 10/06/21 | 10/07/21 | |
| o-Xylene | ND | 0.0250 | 1 | 10/06/21 | 10/07/21 | |
| p,m-Xylene | ND | 0.0500 | 1 | 10/06/21 | 10/07/21 | |
| Total Xylenes | ND | 0.0250 | 1 | 10/06/21 | 10/07/21 | |
| *Surrogate: Bromofluorobenzene* | | *88.1 %* | *70-130* | *10/06/21* | *10/07/21* | |
| *Surrogate: 1,2-Dichloroethane-d4* | | *102 %* | *70-130* | *10/06/21* | *10/07/21* | |
| *Surrogate: Toluene-d8* | | *97.4 %* | *70-130* | *10/06/21* | *10/07/21* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2141029 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 10/06/21 | 10/07/21 | |
| *Surrogate: Bromofluorobenzene* | | *88.1 %* | *70-130* | *10/06/21* | *10/07/21* | |
| *Surrogate: 1,2-Dichloroethane-d4* | | *102 %* | *70-130* | *10/06/21* | *10/07/21* | |
| *Surrogate: Toluene-d8* | | *97.4 %* | *70-130* | *10/06/21* | *10/07/21* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2141032 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 10/06/21 | 10/07/21 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 10/06/21 | 10/07/21 | |
| *Surrogate: n-Nonane* | | *113 %* | *50-200* | *10/06/21* | *10/07/21* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2141028 |
| Chloride | ND | 20.0 | 1 | 10/06/21 | 10/06/21 | |

# Sample Data

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Anabel | |
| PO Box 420 | Project Number: | 06094-0177 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 10/7/2021 4:26:37PM |

## Anabel W6

## E110015-09

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by EPA 8260B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2141029 |
| Benzene | ND | 0.0250 | 1 | 10/06/21 | 10/07/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 10/06/21 | 10/07/21 | |
| Toluene | ND | 0.0250 | 1 | 10/06/21 | 10/07/21 | |
| o-Xylene | ND | 0.0250 | 1 | 10/06/21 | 10/07/21 | |
| p,m-Xylene | ND | 0.0500 | 1 | 10/06/21 | 10/07/21 | |
| Total Xylenes | ND | 0.0250 | 1 | 10/06/21 | 10/07/21 | |
| *Surrogate: Bromofluorobenzene* | | *90.2 %* | *70-130* | *10/06/21* | *10/07/21* | |
| *Surrogate: 1,2-Dichloroethane-d4* | | *97.9 %* | *70-130* | *10/06/21* | *10/07/21* | |
| *Surrogate: Toluene-d8* | | *98.4 %* | *70-130* | *10/06/21* | *10/07/21* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2141029 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 10/06/21 | 10/07/21 | |
| *Surrogate: Bromofluorobenzene* | | *90.2 %* | *70-130* | *10/06/21* | *10/07/21* | |
| *Surrogate: 1,2-Dichloroethane-d4* | | *97.9 %* | *70-130* | *10/06/21* | *10/07/21* | |
| *Surrogate: Toluene-d8* | | *98.4 %* | *70-130* | *10/06/21* | *10/07/21* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2141032 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 10/06/21 | 10/07/21 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 10/06/21 | 10/07/21 | |
| *Surrogate: n-Nonane* | | *114 %* | *50-200* | *10/06/21* | *10/07/21* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2141028 |
| Chloride | ND | 20.0 | 1 | 10/06/21 | 10/06/21 | |

# QC Summary Data

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Anabel | **Reported:** |
| PO Box 420 | Project Number: | 06094-0177 | |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 10/7/2021 4:26:37PM |

## Volatile Organic Compounds by EPA 8260B

Analyst: IY

| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | |
| **Blank (2141029-BLK1)** | | | | | | | | | Prepared: 10/06/21 Analyzed: 10/06/21 |
| Benzene | ND | 0.0250 | | | | | | | |
| Ethylbenzene | ND | 0.0250 | | | | | | | |
| Toluene | ND | 0.0250 | | | | | | | |
| o-Xylene | ND | 0.0250 | | | | | | | |
| p,m-Xylene | ND | 0.0500 | | | | | | | |
| Total Xylenes | ND | 0.0250 | | | | | | | |
| *Surrogate: Bromofluorobenzene* | *0.460* | | *0.500* | | *92.0* | *70-130* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *0.470* | | *0.500* | | *94.0* | *70-130* | | | |
| *Surrogate: Toluene-d8* | *0.492* | | *0.500* | | *98.4* | *70-130* | | | |
| **LCS (2141029-BS1)** | | | | | | | | | Prepared: 10/06/21 Analyzed: 10/06/21 |
| Benzene | 2.58 | 0.0250 | 2.50 | | 103 | 70-130 | | | |
| Ethylbenzene | 2.58 | 0.0250 | 2.50 | | 103 | 70-130 | | | |
| Toluene | 2.62 | 0.0250 | 2.50 | | 105 | 70-130 | | | |
| o-Xylene | 2.47 | 0.0250 | 2.50 | | 99.0 | 70-130 | | | |
| p,m-Xylene | 5.10 | 0.0500 | 5.00 | | 102 | 70-130 | | | |
| Total Xylenes | 7.57 | 0.0250 | 7.50 | | 101 | 70-130 | | | |
| *Surrogate: Bromofluorobenzene* | *0.473* | | *0.500* | | *94.6* | *70-130* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *0.485* | | *0.500* | | *97.0* | *70-130* | | | |
| *Surrogate: Toluene-d8* | *0.498* | | *0.500* | | *99.5* | *70-130* | | | |
| **Matrix Spike (2141029-MS1)** | | | | **Source: E110007-01** | | | | | Prepared: 10/06/21 Analyzed: 10/06/21 |
| Benzene | 2.62 | 0.0250 | 2.50 | ND | 105 | 48-131 | | | |
| Ethylbenzene | 2.62 | 0.0250 | 2.50 | ND | 105 | 45-135 | | | |
| Toluene | 2.66 | 0.0250 | 2.50 | ND | 106 | 48-130 | | | |
| o-Xylene | 2.50 | 0.0250 | 2.50 | ND | 100 | 43-135 | | | |
| p,m-Xylene | 5.16 | 0.0500 | 5.00 | ND | 103 | 43-135 | | | |
| Total Xylenes | 7.67 | 0.0250 | 7.50 | ND | 102 | 43-135 | | | |
| *Surrogate: Bromofluorobenzene* | *0.473* | | *0.500* | | *94.5* | *70-130* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *0.489* | | *0.500* | | *97.8* | *70-130* | | | |
| *Surrogate: Toluene-d8* | *0.494* | | *0.500* | | *98.7* | *70-130* | | | |
| **Matrix Spike Dup (2141029-MSD1)** | | | | **Source: E110007-01** | | | | | Prepared: 10/06/21 Analyzed: 10/06/21 |
| Benzene | 2.90 | 0.0250 | 2.50 | ND | 116 | 48-131 | 10.0 | 23 | |
| Ethylbenzene | 2.96 | 0.0250 | 2.50 | ND | 118 | 45-135 | 12.1 | 27 | |
| Toluene | 2.98 | 0.0250 | 2.50 | ND | 119 | 48-130 | 11.4 | 24 | |
| o-Xylene | 2.82 | 0.0250 | 2.50 | ND | 113 | 43-135 | 12.0 | 27 | |
| p,m-Xylene | 5.81 | 0.0500 | 5.00 | ND | 116 | 43-135 | 11.8 | 27 | |
| Total Xylenes | 8.64 | 0.0250 | 7.50 | ND | 115 | 43-135 | 11.9 | 27 | |
| *Surrogate: Bromofluorobenzene* | *0.456* | | *0.500* | | *91.1* | *70-130* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *0.475* | | *0.500* | | *95.0* | *70-130* | | | |
| *Surrogate: Toluene-d8* | *0.493* | | *0.500* | | *98.6* | *70-130* | | | |

# QC Summary Data

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Anabel | **Reported:** |
| PO Box 420 | Project Number: | 06094-0177 | |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 10/7/2021 4:26:37PM |

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | |
| **Blank (2141029-BLK1)** | | | | | | | | | Prepared: 10/06/21 Analyzed: 10/06/21 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | | | | | | |
| *Surrogate: Bromofluorobenzene* | *0.460* | | *0.500* | | *92.0* | *70-130* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *0.470* | | *0.500* | | *94.0* | *70-130* | | | |
| *Surrogate: Toluene-d8* | *0.492* | | *0.500* | | *98.4* | *70-130* | | | |
| **LCS (2141029-BS2)** | | | | | | | | | Prepared: 10/06/21 Analyzed: 10/06/21 |
| Gasoline Range Organics (C6-C10) | 44.3 | 20.0 | 50.0 | | 88.6 | 70-130 | | | |
| *Surrogate: Bromofluorobenzene* | *0.462* | | *0.500* | | *92.4* | *70-130* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *0.478* | | *0.500* | | *95.5* | *70-130* | | | |
| *Surrogate: Toluene-d8* | *0.498* | | *0.500* | | *99.5* | *70-130* | | | |
| **Matrix Spike (2141029-MS2)** | | | | **Source: E110007-01** | | | | | Prepared: 10/06/21 Analyzed: 10/06/21 |
| Gasoline Range Organics (C6-C10) | 47.1 | 20.0 | 50.0 | ND | 94.2 | 70-130 | | | |
| *Surrogate: Bromofluorobenzene* | *0.458* | | *0.500* | | *91.5* | *70-130* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *0.489* | | *0.500* | | *97.8* | *70-130* | | | |
| *Surrogate: Toluene-d8* | *0.498* | | *0.500* | | *99.5* | *70-130* | | | |
| **Matrix Spike Dup (2141029-MSD2)** | | | | **Source: E110007-01** | | | | | Prepared: 10/06/21 Analyzed: 10/06/21 |
| Gasoline Range Organics (C6-C10) | 51.8 | 20.0 | 50.0 | ND | 104 | 70-130 | 9.60 | 20 | |
| *Surrogate: Bromofluorobenzene* | *0.457* | | *0.500* | | *91.3* | *70-130* | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *0.497* | | *0.500* | | *99.3* | *70-130* | | | |
| *Surrogate: Toluene-d8* | *0.520* | | *0.500* | | *104* | *70-130* | | | |

# QC Summary Data

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Anabel | **Reported:** |
| PO Box 420 | Project Number: | 06094-0177 | |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 10/7/2021 4:26:37PM |

## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | |
| **Blank (2141032-BLK1)** | | | | | | | | | Prepared: 10/06/21 Analyzed: 10/06/21 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | | | | | | | |
| Oil Range Organics (C28-C36) | ND | 50.0 | | | | | | | |
| *Surrogate: n-Nonane* | *61.1* | | *50.0* | | *122* | *50-200* | | | |
| **LCS (2141032-BS1)** | | | | | | | | | Prepared: 10/06/21 Analyzed: 10/06/21 |
| Diesel Range Organics (C10-C28) | 536 | 25.0 | 500 | | 107 | 38-132 | | | |
| *Surrogate: n-Nonane* | *53.8* | | *50.0* | | *108* | *50-200* | | | |
| **Matrix Spike (2141032-MS1)** | | | | **Source: E110015-01** | | | | | Prepared: 10/06/21 Analyzed: 10/06/21 |
| Diesel Range Organics (C10-C28) | 2680 | 50.0 | 500 | 1170 | 301 | 38-132 | | | M2 |
| *Surrogate: n-Nonane* | *50.7* | | *50.0* | | *101* | *50-200* | | | |
| **Matrix Spike Dup (2141032-MSD1)** | | | | **Source: E110015-01** | | | | | Prepared: 10/06/21 Analyzed: 10/06/21 |
| Diesel Range Organics (C10-C28) | 1480 | 50.0 | 500 | 1170 | 61.0 | 38-132 | 57.7 | 20 | R4 |
| *Surrogate: n-Nonane* | *56.3* | | *50.0* | | *113* | *50-200* | | | |

# QC Summary Data

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Anabel | **Reported:** |
| PO Box 420 | Project Number: | 06094-0177 | |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 10/7/2021 4:26:37PM |

## Anions by EPA 300.0/9056A

Analyst: RAS

| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | |
| **Blank (2141028-BLK1)** | | | | | | | | | Prepared: 10/06/21 Analyzed: 10/06/21 |
| Chloride | ND | 20.0 | | | | | | | |
| **LCS (2141028-BS1)** | | | | | | | | | Prepared: 10/06/21 Analyzed: 10/06/21 |
| Chloride | 226 | 20.0 | 250 | | 90.3 | 90-110 | | | |
| **Matrix Spike (2141028-MS1)** | | | | **Source: E110015-01** | | | | | Prepared: 10/06/21 Analyzed: 10/06/21 |
| Chloride | 253 | 20.0 | 250 | 21.1 | 92.9 | 80-120 | | | |
| **Matrix Spike Dup (2141028-MSD1)** | | | | **Source: E110015-01** | | | | | Prepared: 10/06/21 Analyzed: 10/06/21 |
| Chloride | 266 | 20.0 | 250 | 21.1 | 97.8 | 80-120 | 4.74 | 20 | |

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

# Definitions and Notes

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Anabel | |
| PO Box 420 | Project Number: | 06094-0177 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 10/07/21 16:26 |

| | |
|---|---|
| M2 | Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable. |
| R4 | The RPD exceeded the acceptance limit. Sample visually appears to be non-homogenous. |
| ND | Analyte NOT DETECTED at or above the reporting limit |
| NR | Not Reported |
| RPD | Relative Percent Difference |
| DNI | Did Not Ignite |

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Project Information

Chain of Custody

Page 1 of 1

| | |
|---|---|
| Client: Pogo | |
| Project: Anabel | |
| Project Manager: Kevin Smaka | |
| Address: | |
| City, State, Zip | |
| Phone: | |
| Email: | |
| Report due by: | |

**Bill To**

| | |
|---|---|
| Attention: | |
| Address: | |
| City, State, Zip | |
| Phone: | |
| Email: | |

**Lab Use Only**

| Lab WO# | Job Number |
|---|---|
| E110015 | 06094-0177 |

**TAT**

| 1D | 2D | 3D | Standard |
|---|---|---|---|
| | | X | |

**EPA Program**

| CWA | SDWA | RCRA |
|---|---|---|
| | | |

**State**

| NM | CO | UT | AZ | TX | |
|---|---|---|---|---|---|
| | | | | | |

| Time Sampled | Date Sampled | Matrix | No. of Containers | Sample ID | Lab Number | DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1210 | 10/4 | S | 1 | Anabel B1 | 1 | X | X | X | | | X | |
| | | | | Anabel B2 | 2 | | | | | | | |
| | | | | Anabel B3 | 3 | | | | | | | |
| | | | | Anabel W1 | 4 | | | | | | | |
| | | | | Anabel W2 | 5 | | | | | | | |
| | | | | Anabel W3 | 6 | | | | | | | |
| | | | | Anabel W4 | 7 | | | | | | | |
| | | | | Anabel W5 | 8 | | | | | | | |
| | | | | Anabel W6 | 9 | | | | | | | |
| | | | | | | | | | | | | |

**Additional Instructions:** vis. ice in cooler - 3

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Kevin Smaka

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time |
|---|---|---|---|---|---|
| | 10/4 | 1:30 | | 10/4/21 | 13:37 |
| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time |
| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time |

**Lab Use Only**

Received on ice: (Y) / N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4.0

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other _____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

# Envirotech Analytical Laboratory

Printed: 10/4/2021 6:04:53PM

## Sample Receipt Checklist (SRC)

**Instructions: Please take note of any NO checkmarks.**
**If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.**

| | | | | | |
|---|---|---|---|---|---|
| Client: | Dugan Production Corp. | Date Received: | 10/04/21 18:02 | Work Order ID: | E110015 |
| Phone: | (505) 325-1821 | Date Logged In: | 10/04/21 18:02 | Logged In By: | Raina Schwanz |
| Email: | kevin.smaka@duganproduction.com | Due Date: | 10/08/21 17:00 (3 day TAT) | | |

**Chain of Custody (COC)**

| | | |
|---|---|---|
| 1. Does the sample ID match the COC? | Yes | |
| 2. Does the number of samples per sampling site location match the COC | Yes | |
| 3. Were samples dropped off by client or carrier? | Yes | Carrier: Kevin Smaka |
| 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? | Yes | |
| 5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion. | Yes | |

**Comments/Resolution**

**Sample Turn Around Time (TAT)**

| | | |
|---|---|---|
| 6. Did the COC indicate standard TAT, or Expedited TAT? | Yes | |

**Sample Cooler**

| | | |
|---|---|---|
| 7. Was a sample cooler received? | Yes | |
| 8. If yes, was cooler received in good condition? | Yes | |
| 9. Was the sample(s) received intact, i.e., not broken? | Yes | |
| 10. Were custody/security seals present? | No | |
| 11. If yes, were custody/security seals intact? | NA | |
| 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling | Yes | |
| 13. If no visible ice, record the temperature. Actual sample temperature: 4°C | | |

**Sample Container**

| | | |
|---|---|---|
| 14. Are aqueous VOC samples present? | No | |
| 15. Are VOC samples collected in VOA Vials? | NA | |
| 16. Is the head space less than 6-8 mm (pea sized or less)? | NA | |
| 17. Was a trip blank (TB) included for VOC analyses? | NA | |
| 18. Are non-VOC samples collected in the correct containers? | Yes | |
| 19. Is the appropriate volume/weight or number of sample containers collected? | Yes | |

**Field Label**

| | | |
|---|---|---|
| 20. Were field sample labels filled out with the minimum information: | | |
| Sample ID? | Yes | |
| Date/Time Collected? | Yes | |
| Collectors name? | Yes | |

**Sample Preservation**

| | | |
|---|---|---|
| 21. Does the COC or field labels indicate the samples were preserved? | No | |
| 22. Are sample(s) correctly preserved? | NA | |
| 24. Is lab filteration required and/or requested for dissolved metals? | No | |

**Multiphase Sample Matrix**

| | | |
|---|---|---|
| 26. Does the sample have more than one phase, i.e., multiphase? | No | |
| 27. If yes, does the COC specify which phase(s) is to be analyzed? | NA | |

**Subcontract Laboratory**

| | | |
|---|---|---|
| 28. Are samples required to get sent to a subcontract laboratory? | No | |
| 29. Was a subcontract laboratory specified by the client and if so who? | NA | Subcontract Lab: NA |

**Client Instruction**

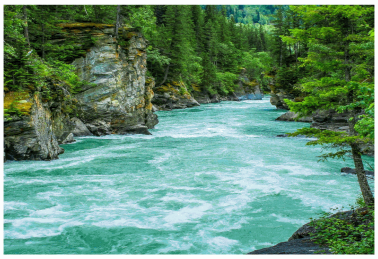
Signature of client authorizing changes to the COC or sample disposition.

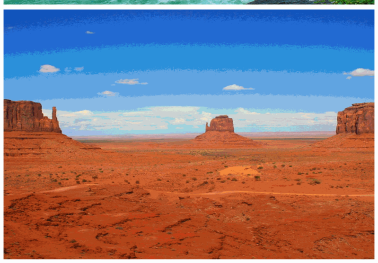
Date

envirotech Inc.

Report to:

Kevin Smaka





5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

# envirotech

***Practical Solutions for a Better Tomorrow***

## Analytical Report

### Dugan Production Corp.

| | |
|---|---|
| Project Name: | Spill Sampling |
| Work Order: | E108107 |
| Job Number: | 06094-0177 |
| Received: | 8/27/2021 |

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/3/21

Date Reported: 9/3/21

Kevin Smaka
PO Box 420
Farmington, NM 87499

Project Name: Spill Sampling
Workorder: E108107
Date Received: 8/27/2021 9:53:00AM

Kevin Smaka,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/27/2021 9:53:00AM, under the Project Name: Spill Sampling.

The analytical test results summarized in this report with the Project Name: Spill Sampling apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

**Walter Hinchman**
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

**Raina Schwanz**
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

**Alexa Michaels**
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

**Southern New Mexico Area**
**Lynn Jarboe**
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

**West Texas Midland/Odessa Area**
**Tom Brown**
Technical Representative
Cell: 832-444-7704
tbrown@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

# Table of Contents

# Table of Contents (continued)

# Sample Summary

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Spill Sampling | **Reported:** |
| PO Box 420 | Project Number: | 06094-0177 | |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 09/03/21 15:12 |

| Client Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container |
|---|---|---|---|---|---|
| Poles 1 | E108107-01A | Soil | 08/26/21 | 08/27/21 | Glass Jar, 4 oz. |
| Poles 2 | E108107-02A | Soil | 08/26/21 | 08/27/21 | Glass Jar, 4 oz. |
| Poles 3 | E108107-03A | Soil | 08/26/21 | 08/27/21 | Glass Jar, 4 oz. |
| Moncrief 1 | E108107-04A | Soil | 08/26/21 | 08/27/21 | Glass Jar, 4 oz. |
| Moncrief 2 | E108107-05A | Soil | 08/26/21 | 08/27/21 | Glass Jar, 4 oz. |
| Moncrief 3 | E108107-06A | Soil | 08/26/21 | 08/27/21 | Glass Jar, 4 oz. |
| Ross 1 | E108107-07A | Soil | 08/26/21 | 08/27/21 | Glass Jar, 4 oz. |
| Ross 2 | E108107-08A | Soil | 08/26/21 | 08/27/21 | Glass Jar, 4 oz. |
| Ross 3 | E108107-09A | Soil | 08/26/21 | 08/27/21 | Glass Jar, 4 oz. |
| Ross 4 | E108107-10A | Soil | 08/26/21 | 08/27/21 | Glass Jar, 4 oz. |
| Ross 5 | E108107-11A | Soil | 08/26/21 | 08/27/21 | Glass Jar, 4 oz. |
| Ross 6 | E108107-12A | Soil | 08/26/21 | 08/27/21 | Glass Jar, 4 oz. |
| January 1 | E108107-13A | Soil | 08/26/21 | 08/27/21 | Glass Jar, 4 oz. |
| January 2 | E108107-14A | Soil | 08/26/21 | 08/27/21 | Glass Jar, 4 oz. |
| January 3 | E108107-15A | Soil | 08/26/21 | 08/27/21 | Glass Jar, 4 oz. |
| January 4 | E108107-16A | Soil | 08/26/21 | 08/27/21 | Glass Jar, 4 oz. |
| Anabel N1 | E108107-17A | Soil | 08/26/21 | 08/27/21 | Glass Jar, 4 oz. |
| Anabel N2 | E108107-18A | Soil | 08/26/21 | 08/27/21 | Glass Jar, 4 oz. |
| Anabel S1 | E108107-19A | Soil | 08/26/21 | 08/27/21 | Glass Jar, 4 oz. |
| Anabel S2 | E108107-20A | Soil | 08/26/21 | 08/27/21 | Glass Jar, 4 oz. |
| Anabel B1 | E108107-21A | Soil | 08/26/21 | 08/27/21 | Glass Jar, 4 oz. |
| Anabel B2 | E108107-22A | Soil | 08/26/21 | 08/27/21 | Glass Jar, 4 oz. |
| Anabel E1 | E108107-23A | Soil | 08/26/21 | 08/27/21 | Glass Jar, 4 oz. |
| Anabel W1 | E108107-24A | Soil | 08/26/21 | 08/27/21 | Glass Jar, 4 oz. |
| Anabel Pile 1 | E108107-25A | Soil | 08/26/21 | 08/27/21 | Glass Jar, 4 oz. |
| Anabel Pile 2 | E108107-26A | Soil | 08/26/21 | 08/27/21 | Glass Jar, 4 oz. |
| Anabel Pile 3 | E108107-27A | Soil | 08/26/21 | 08/27/21 | Glass Jar, 4 oz. |
| Anabel Pile 4 | E108107-28A | Soil | 08/26/21 | 08/27/21 | Glass Jar, 4 oz. |
| Anabel Pile 5 | E108107-29A | Soil | 08/26/21 | 08/27/21 | Glass Jar, 4 oz. |

# Sample Data

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Spill Sampling | |
| PO Box 420 | Project Number: | 06094-0177 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 9/3/2021 3:12:17PM |

## Poles 1

**E108107-01**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2136007 |
| Benzene | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| Toluene | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| o-Xylene | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/30/21 | 09/01/21 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *98.4 %* | *70-130* | *08/30/21* | *09/01/21* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2136007 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/30/21 | 09/01/21 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *96.5 %* | *70-130* | *08/30/21* | *09/01/21* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2136031 |
| Diesel Range Organics (C10-C28) | **38.2** | 25.0 | 1 | 09/02/21 | 09/02/21 | |
| Oil Range Organics (C28-C36) | **66.2** | 50.0 | 1 | 09/02/21 | 09/02/21 | |
| *Surrogate: n-Nonane* | | *96.5 %* | *50-200* | *09/02/21* | *09/02/21* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: AC | | | Batch: 2136008 |
| Chloride | **554** | 40.0 | 2 | 08/30/21 | 08/31/21 | |

# Sample Data

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Spill Sampling | |
| PO Box 420 | Project Number: | 06094-0177 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 9/3/2021 3:12:17PM |

## Poles 2

**E108107-02**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2136007 |
| Benzene | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| Toluene | **0.0418** | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| o-Xylene | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/30/21 | 09/01/21 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *98.2 %* | *70-130* | *08/30/21* | *09/01/21* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2136007 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/30/21 | 09/01/21 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *89.6 %* | *70-130* | *08/30/21* | *09/01/21* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2136031 |
| Diesel Range Organics (C10-C28) | **65.9** | 25.0 | 1 | 09/02/21 | 09/02/21 | |
| Oil Range Organics (C28-C36) | **99.7** | 50.0 | 1 | 09/02/21 | 09/02/21 | |
| *Surrogate: n-Nonane* | | *107 %* | *50-200* | *09/02/21* | *09/02/21* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: AC | | | Batch: 2136008 |
| Chloride | **581** | 20.0 | 1 | 08/30/21 | 08/31/21 | |

# Sample Data

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Spill Sampling | |
| PO Box 420 | Project Number: | 06094-0177 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 9/3/2021 3:12:17PM |

## Poles 3

**E108107-03**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2136007 |
| Benzene | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| Toluene | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| o-Xylene | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/30/21 | 09/01/21 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *98.3 %* | *70-130* | *08/30/21* | *09/01/21* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2136007 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/30/21 | 09/01/21 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *88.6 %* | *70-130* | *08/30/21* | *09/01/21* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2136031 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 09/02/21 | 09/02/21 | |
| Oil Range Organics (C28-C36) | **60.2** | 50.0 | 1 | 09/02/21 | 09/02/21 | |
| *Surrogate: n-Nonane* | | *102 %* | *50-200* | *09/02/21* | *09/02/21* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: AC | | | Batch: 2136008 |
| Chloride | **2100** | 40.0 | 2 | 08/30/21 | 08/31/21 | |

# Sample Data

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Spill Sampling | |
| PO Box 420 | Project Number: | 06094-0177 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 9/3/2021 3:12:17PM |

## Moncrief 1

**E108107-04**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2136007 |
| Benzene | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| Toluene | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| o-Xylene | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/30/21 | 09/01/21 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *102 %* | *70-130* | *08/30/21* | *09/01/21* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2136007 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/30/21 | 09/01/21 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *89.6 %* | *70-130* | *08/30/21* | *09/01/21* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2136031 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 09/02/21 | 09/02/21 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 09/02/21 | 09/02/21 | |
| *Surrogate: n-Nonane* | | *116 %* | *50-200* | *09/02/21* | *09/02/21* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: AC | | | Batch: 2136008 |
| Chloride | ND | 20.0 | 1 | 08/30/21 | 08/31/21 | |

# Sample Data

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Spill Sampling | |
| PO Box 420 | Project Number: | 06094-0177 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 9/3/2021 3:12:17PM |

## Moncrief 2

**E108107-05**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2136007 |
| Benzene | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| Toluene | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| o-Xylene | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/30/21 | 09/01/21 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *106 %* | *70-130* | *08/30/21* | *09/01/21* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2136007 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/30/21 | 09/01/21 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *89.4 %* | *70-130* | *08/30/21* | *09/01/21* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2136031 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 09/02/21 | 09/02/21 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 09/02/21 | 09/02/21 | |
| *Surrogate: n-Nonane* | | *112 %* | *50-200* | *09/02/21* | *09/02/21* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: AC | | | Batch: 2136008 |
| Chloride | **36.3** | 20.0 | 1 | 08/30/21 | 08/31/21 | |

# Sample Data

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Spill Sampling | |
| PO Box 420 | Project Number: | 06094-0177 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 9/3/2021 3:12:17PM |

## Moncrief 3

## E108107-06

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2136007 |
| Benzene | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| Toluene | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| o-Xylene | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/30/21 | 09/01/21 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *104 %* | *70-130* | *08/30/21* | *09/01/21* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2136007 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/30/21 | 09/01/21 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *90.1 %* | *70-130* | *08/30/21* | *09/01/21* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2136031 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 09/02/21 | 09/02/21 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 09/02/21 | 09/02/21 | |
| *Surrogate: n-Nonane* | | *105 %* | *50-200* | *09/02/21* | *09/02/21* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: AC | | | Batch: 2136008 |
| Chloride | **74.7** | 40.0 | 2 | 08/30/21 | 08/31/21 | |

# Sample Data

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Spill Sampling | |
| PO Box 420 | Project Number: | 06094-0177 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 9/3/2021 3:12:17PM |

## Ross 1

**E108107-07**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2136007 |
| Benzene | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| Toluene | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| o-Xylene | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/30/21 | 09/01/21 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *99.4 %* | *70-130* | *08/30/21* | *09/01/21* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2136007 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/30/21 | 09/01/21 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *92.0 %* | *70-130* | *08/30/21* | *09/01/21* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2136031 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 09/02/21 | 09/02/21 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 09/02/21 | 09/02/21 | |
| *Surrogate: n-Nonane* | | *108 %* | *50-200* | *09/02/21* | *09/02/21* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: AC | | | Batch: 2136008 |
| Chloride | ND | 20.0 | 1 | 08/30/21 | 08/31/21 | |

# Sample Data

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Spill Sampling | |
| PO Box 420 | Project Number: | 06094-0177 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 9/3/2021 3:12:17PM |

## Ross 2

**E108107-08**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2136007 |
| Benzene | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| Toluene | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| o-Xylene | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/30/21 | 09/01/21 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *96.9 %* | *70-130* | *08/30/21* | *09/01/21* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2136007 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/30/21 | 09/01/21 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *90.7 %* | *70-130* | *08/30/21* | *09/01/21* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2136031 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 09/02/21 | 09/02/21 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 09/02/21 | 09/02/21 | |
| *Surrogate: n-Nonane* | | *109 %* | *50-200* | *09/02/21* | *09/02/21* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: AC | | | Batch: 2136008 |
| Chloride | ND | 20.0 | 1 | 08/30/21 | 08/31/21 | |

# Sample Data

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Spill Sampling | |
| PO Box 420 | Project Number: | 06094-0177 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 9/3/2021 3:12:17PM |

## Ross 3

**E108107-09**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2136007 |
| Benzene | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| Toluene | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| o-Xylene | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/30/21 | 09/01/21 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *98.9 %* | *70-130* | *08/30/21* | *09/01/21* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2136007 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/30/21 | 09/01/21 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *90.5 %* | *70-130* | *08/30/21* | *09/01/21* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2136031 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 09/02/21 | 09/02/21 | |
| Oil Range Organics (C28-C36) | **63.6** | 50.0 | 1 | 09/02/21 | 09/02/21 | |
| *Surrogate: n-Nonane* | | *98.4 %* | *50-200* | *09/02/21* | *09/02/21* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: AC | | | Batch: 2136008 |
| Chloride | ND | 20.0 | 1 | 08/30/21 | 08/31/21 | |

# Sample Data

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Spill Sampling | |
| PO Box 420 | Project Number: | 06094-0177 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 9/3/2021 3:12:17PM |

## Ross 4

**E108107-10**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2136007 |
| Benzene | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| Toluene | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| o-Xylene | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/30/21 | 09/01/21 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *95.0 %* | *70-130* | *08/30/21* | *09/01/21* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2136007 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/30/21 | 09/01/21 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *92.2 %* | *70-130* | *08/30/21* | *09/01/21* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2136031 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 09/02/21 | 09/02/21 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 09/02/21 | 09/02/21 | |
| *Surrogate: n-Nonane* | | *111 %* | *50-200* | *09/02/21* | *09/02/21* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: AC | | | Batch: 2136008 |
| Chloride | ND | 20.0 | 1 | 08/30/21 | 08/31/21 | |

# Sample Data

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Spill Sampling | |
| PO Box 420 | Project Number: | 06094-0177 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 9/3/2021 3:12:17PM |

## Ross 5

**E108107-11**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2136007 |
| Benzene | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| Toluene | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| o-Xylene | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/30/21 | 09/01/21 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *106 %* | *70-130* | *08/30/21* | *09/01/21* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2136007 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/30/21 | 09/01/21 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *90.0 %* | *70-130* | *08/30/21* | *09/01/21* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2136031 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 09/02/21 | 09/03/21 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 09/02/21 | 09/03/21 | |
| *Surrogate: n-Nonane* | | *110 %* | *50-200* | *09/02/21* | *09/03/21* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: AC | | | Batch: 2136008 |
| Chloride | ND | 20.0 | 1 | 08/30/21 | 08/31/21 | |

# Sample Data

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Spill Sampling | |
| PO Box 420 | Project Number: | 06094-0177 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 9/3/2021 3:12:17PM |

## Ross 6

**E108107-12**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2136007 |
| Benzene | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| Toluene | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| o-Xylene | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/30/21 | 09/01/21 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *103 %* | *70-130* | *08/30/21* | *09/01/21* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2136007 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/30/21 | 09/01/21 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *89.7 %* | *70-130* | *08/30/21* | *09/01/21* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2136030 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 09/02/21 | 09/03/21 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 09/02/21 | 09/03/21 | |
| *Surrogate: n-Nonane* | | *105 %* | *50-200* | *09/02/21* | *09/03/21* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: AC | | | Batch: 2136008 |
| Chloride | ND | 20.0 | 1 | 08/30/21 | 08/31/21 | |

# Sample Data

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Spill Sampling | |
| PO Box 420 | Project Number: | 06094-0177 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 9/3/2021 3:12:17PM |

**January 1**

**E108107-13**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2136007 |
| Benzene | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| Toluene | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| o-Xylene | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/30/21 | 09/01/21 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/30/21 | 09/01/21 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *95.8 %* | *70-130* | *08/30/21* | *09/01/21* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2136007 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/30/21 | 09/01/21 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *92.4 %* | *70-130* | *08/30/21* | *09/01/21* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2136030 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 09/02/21 | 09/03/21 | |
| Oil Range Organics (C28-C36) | **54.5** | 50.0 | 1 | 09/02/21 | 09/03/21 | |
| *Surrogate: n-Nonane* | | *172 %* | *50-200* | *09/02/21* | *09/03/21* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: AC | | | Batch: 2136008 |
| Chloride | ND | 20.0 | 1 | 08/30/21 | 08/31/21 | |

# Sample Data

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Spill Sampling | |
| PO Box 420 | Project Number: | 06094-0177 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 9/3/2021 3:12:17PM |

**January 2**

**E108107-14**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2136007 |
| Benzene | ND | 0.0250 | 1 | 08/30/21 | 09/02/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/30/21 | 09/02/21 | |
| Toluene | ND | 0.0250 | 1 | 08/30/21 | 09/02/21 | |
| o-Xylene | ND | 0.0250 | 1 | 08/30/21 | 09/02/21 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/30/21 | 09/02/21 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/30/21 | 09/02/21 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *97.1 %* | *70-130* | *08/30/21* | *09/02/21* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2136007 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/30/21 | 09/02/21 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *93.0 %* | *70-130* | *08/30/21* | *09/02/21* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2136030 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 09/02/21 | 09/03/21 | |
| Oil Range Organics (C28-C36) | **50.9** | 50.0 | 1 | 09/02/21 | 09/03/21 | |
| *Surrogate: n-Nonane* | | *175 %* | *50-200* | *09/02/21* | *09/03/21* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: AC | | | Batch: 2136008 |
| Chloride | ND | 20.0 | 1 | 08/30/21 | 08/31/21 | |

# Sample Data

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Spill Sampling | |
| PO Box 420 | Project Number: | 06094-0177 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 9/3/2021 3:12:17PM |

**January 3**

**E108107-15**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2136007 |
| Benzene | ND | 0.0250 | 1 | 08/30/21 | 09/02/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/30/21 | 09/02/21 | |
| Toluene | ND | 0.0250 | 1 | 08/30/21 | 09/02/21 | |
| o-Xylene | ND | 0.0250 | 1 | 08/30/21 | 09/02/21 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/30/21 | 09/02/21 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/30/21 | 09/02/21 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *107 %* | *70-130* | *08/30/21* | *09/02/21* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2136007 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/30/21 | 09/02/21 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *90.7 %* | *70-130* | *08/30/21* | *09/02/21* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2136030 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 09/02/21 | 09/03/21 | |
| Oil Range Organics (C28-C36) | **62.8** | 50.0 | 1 | 09/02/21 | 09/03/21 | |
| *Surrogate: n-Nonane* | | *185 %* | *50-200* | *09/02/21* | *09/03/21* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: AC | | | Batch: 2136008 |
| Chloride | ND | 20.0 | 1 | 08/30/21 | 08/31/21 | |

# Sample Data

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Spill Sampling | |
| PO Box 420 | Project Number: | 06094-0177 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 9/3/2021 3:12:17PM |

**January 4**

**E108107-16**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2136007 |
| Benzene | ND | 0.0250 | 1 | 08/30/21 | 09/02/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/30/21 | 09/02/21 | |
| Toluene | ND | 0.0250 | 1 | 08/30/21 | 09/02/21 | |
| o-Xylene | ND | 0.0250 | 1 | 08/30/21 | 09/02/21 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/30/21 | 09/02/21 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/30/21 | 09/02/21 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *98.8 %* | *70-130* | *08/30/21* | *09/02/21* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2136007 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/30/21 | 09/02/21 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *92.5 %* | *70-130* | *08/30/21* | *09/02/21* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2136030 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 09/02/21 | 09/03/21 | |
| Oil Range Organics (C28-C36) | **57.4** | 50.0 | 1 | 09/02/21 | 09/03/21 | |
| *Surrogate: n-Nonane* | | *181 %* | *50-200* | *09/02/21* | *09/03/21* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: AC | | | Batch: 2136008 |
| Chloride | ND | 20.0 | 1 | 08/30/21 | 08/31/21 | |

# Sample Data

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Spill Sampling | |
| PO Box 420 | Project Number: | 06094-0177 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 9/3/2021 3:12:17PM |

## Anabel N1

**E108107-17**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2136007 |
| Benzene | ND | 0.0250 | 1 | 08/30/21 | 09/02/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/30/21 | 09/02/21 | |
| Toluene | ND | 0.0250 | 1 | 08/30/21 | 09/02/21 | |
| o-Xylene | ND | 0.0250 | 1 | 08/30/21 | 09/02/21 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/30/21 | 09/02/21 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/30/21 | 09/02/21 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *110 %* | *70-130* | *08/30/21* | *09/02/21* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2136007 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/30/21 | 09/02/21 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *92.4 %* | *70-130* | *08/30/21* | *09/02/21* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2136030 |
| Diesel Range Organics (C10-C28) | **1160** | 50.0 | 2 | 09/02/21 | 09/03/21 | |
| Oil Range Organics (C28-C36) | **524** | 100 | 2 | 09/02/21 | 09/03/21 | |
| *Surrogate: n-Nonane* | | *167 %* | *50-200* | *09/02/21* | *09/03/21* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: AC | | | Batch: 2136008 |
| Chloride | ND | 20.0 | 1 | 08/30/21 | 08/31/21 | |

# Sample Data

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Spill Sampling | |
| PO Box 420 | Project Number: | 06094-0177 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 9/3/2021 3:12:17PM |

## Anabel N2

## E108107-18

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2136007 |
| Benzene | ND | 0.0250 | 1 | 08/30/21 | 09/02/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/30/21 | 09/02/21 | |
| Toluene | ND | 0.0250 | 1 | 08/30/21 | 09/02/21 | |
| o-Xylene | ND | 0.0250 | 1 | 08/30/21 | 09/02/21 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/30/21 | 09/02/21 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/30/21 | 09/02/21 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *110 %* | *70-130* | *08/30/21* | *09/02/21* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2136007 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/30/21 | 09/02/21 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *91.8 %* | *70-130* | *08/30/21* | *09/02/21* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2136030 |
| Diesel Range Organics (C10-C28) | **799** | 50.0 | 2 | 09/02/21 | 09/03/21 | |
| Oil Range Organics (C28-C36) | **437** | 100 | 2 | 09/02/21 | 09/03/21 | |
| *Surrogate: n-Nonane* | | *176 %* | *50-200* | *09/02/21* | *09/03/21* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: AC | | | Batch: 2136008 |
| Chloride | ND | 20.0 | 1 | 08/30/21 | 08/31/21 | |

# Sample Data

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Spill Sampling | |
| PO Box 420 | Project Number: | 06094-0177 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 9/3/2021 3:12:17PM |

## Anabel S1

**E108107-19**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2136007 |
| Benzene | ND | 0.0250 | 1 | 08/30/21 | 09/02/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/30/21 | 09/02/21 | |
| Toluene | ND | 0.0250 | 1 | 08/30/21 | 09/02/21 | |
| o-Xylene | **0.0266** | 0.0250 | 1 | 08/30/21 | 09/02/21 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/30/21 | 09/02/21 | |
| Total Xylenes | **0.0266** | 0.0250 | 1 | 08/30/21 | 09/02/21 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *111 %* | *70-130* | *08/30/21* | *09/02/21* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2136007 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/30/21 | 09/02/21 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *90.3 %* | *70-130* | *08/30/21* | *09/02/21* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2136030 |
| Diesel Range Organics (C10-C28) | **1740** | 50.0 | 2 | 09/02/21 | 09/03/21 | |
| Oil Range Organics (C28-C36) | **821** | 100 | 2 | 09/02/21 | 09/03/21 | |
| *Surrogate: n-Nonane* | | *177 %* | *50-200* | *09/02/21* | *09/03/21* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: AC | | | Batch: 2136008 |
| Chloride | ND | 20.0 | 1 | 08/30/21 | 08/31/21 | |

# Sample Data

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Spill Sampling | |
| PO Box 420 | Project Number: | 06094-0177 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 9/3/2021 3:12:17PM |

## Anabel S2

**E108107-20**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2136007 |
| Benzene | ND | 0.0250 | 1 | 08/30/21 | 09/02/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/30/21 | 09/02/21 | |
| Toluene | ND | 0.0250 | 1 | 08/30/21 | 09/02/21 | |
| o-Xylene | ND | 0.0250 | 1 | 08/30/21 | 09/02/21 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/30/21 | 09/02/21 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/30/21 | 09/02/21 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *111 %* | *70-130* | *08/30/21* | *09/02/21* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2136007 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/30/21 | 09/02/21 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *91.3 %* | *70-130* | *08/30/21* | *09/02/21* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2136030 |
| Diesel Range Organics (C10-C28) | **1270** | 50.0 | 2 | 09/02/21 | 09/03/21 | |
| Oil Range Organics (C28-C36) | **622** | 100 | 2 | 09/02/21 | 09/03/21 | |
| *Surrogate: n-Nonane* | | *162 %* | *50-200* | *09/02/21* | *09/03/21* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: AC | | | Batch: 2136008 |
| Chloride | ND | 20.0 | 1 | 08/30/21 | 08/31/21 | |

# Sample Data

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Spill Sampling | |
| PO Box 420 | Project Number: | 06094-0177 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 9/3/2021 3:12:17PM |

## Anabel B1

## E108107-21

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2136006 |
| Benzene | ND | 0.0250 | 1 | 08/30/21 | 08/30/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/30/21 | 08/30/21 | |
| Toluene | ND | 0.0250 | 1 | 08/30/21 | 08/30/21 | |
| o-Xylene | ND | 0.0250 | 1 | 08/30/21 | 08/30/21 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/30/21 | 08/30/21 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/30/21 | 08/30/21 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *106 %* | *70-130* | *08/30/21* | *08/30/21* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2136006 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/30/21 | 08/30/21 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *98.5 %* | *70-130* | *08/30/21* | *08/30/21* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2136030 |
| Diesel Range Organics (C10-C28) | **990** | 50.0 | 2 | 09/02/21 | 09/03/21 | |
| Oil Range Organics (C28-C36) | **523** | 100 | 2 | 09/02/21 | 09/03/21 | |
| *Surrogate: n-Nonane* | | *174 %* | *50-200* | *09/02/21* | *09/03/21* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: AC | | | Batch: 2136012 |
| Chloride | ND | 20.0 | 1 | 08/31/21 | 08/31/21 | |

# Sample Data

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Spill Sampling | |
| PO Box 420 | Project Number: | 06094-0177 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 9/3/2021 3:12:17PM |

## Anabel B2

**E108107-22**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2136006 |
| Benzene | ND | 0.0250 | 1 | 08/30/21 | 08/30/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/30/21 | 08/30/21 | |
| Toluene | ND | 0.0250 | 1 | 08/30/21 | 08/30/21 | |
| o-Xylene | **0.0625** | 0.0250 | 1 | 08/30/21 | 08/30/21 | |
| p,m-Xylene | **0.0813** | 0.0500 | 1 | 08/30/21 | 08/30/21 | |
| Total Xylenes | **0.144** | 0.0250 | 1 | 08/30/21 | 08/30/21 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *104 %* | *70-130* | *08/30/21* | *08/30/21* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2136006 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/30/21 | 08/30/21 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *100 %* | *70-130* | *08/30/21* | *08/30/21* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2136020 |
| Diesel Range Organics (C10-C28) | **1490** | 50.0 | 2 | 08/31/21 | 09/03/21 | |
| Oil Range Organics (C28-C36) | **755** | 100 | 2 | 08/31/21 | 09/03/21 | |
| *Surrogate: n-Nonane* | | *197 %* | *50-200* | *08/31/21* | *09/03/21* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: AC | | | Batch: 2136012 |
| Chloride | ND | 20.0 | 1 | 08/31/21 | 08/31/21 | |

# Sample Data

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Spill Sampling | |
| PO Box 420 | Project Number: | 06094-0177 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 9/3/2021 3:12:17PM |

## Anabel E1

**E108107-23**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2136006 |
| Benzene | ND | 0.0250 | 1 | 08/30/21 | 08/31/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/30/21 | 08/31/21 | |
| Toluene | ND | 0.0250 | 1 | 08/30/21 | 08/31/21 | |
| o-Xylene | ND | 0.0250 | 1 | 08/30/21 | 08/31/21 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/30/21 | 08/31/21 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/30/21 | 08/31/21 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *104 %* | *70-130* | *08/30/21* | *08/31/21* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2136006 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/30/21 | 08/31/21 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *101 %* | *70-130* | *08/30/21* | *08/31/21* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2136020 |
| Diesel Range Organics (C10-C28) | **847** | 50.0 | 2 | 08/31/21 | 09/03/21 | |
| Oil Range Organics (C28-C36) | **393** | 100 | 2 | 08/31/21 | 09/03/21 | |
| *Surrogate: n-Nonane* | | *195 %* | *50-200* | *08/31/21* | *09/03/21* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: AC | | | Batch: 2136012 |
| Chloride | ND | 20.0 | 1 | 08/31/21 | 08/31/21 | |

# Sample Data

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Spill Sampling | |
| PO Box 420 | Project Number: | 06094-0177 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 9/3/2021 3:12:17PM |

## Anabel W1

## E108107-24

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2136006 |
| Benzene | ND | 0.0250 | 1 | 08/30/21 | 08/31/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/30/21 | 08/31/21 | |
| Toluene | ND | 0.0250 | 1 | 08/30/21 | 08/31/21 | |
| o-Xylene | ND | 0.0250 | 1 | 08/30/21 | 08/31/21 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/30/21 | 08/31/21 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/30/21 | 08/31/21 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *103 %* | *70-130* | *08/30/21* | *08/31/21* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2136006 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/30/21 | 08/31/21 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *100 %* | *70-130* | *08/30/21* | *08/31/21* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2136020 |
| Diesel Range Organics (C10-C28) | **1670** | 50.0 | 2 | 08/31/21 | 09/03/21 | |
| Oil Range Organics (C28-C36) | **735** | 100 | 2 | 08/31/21 | 09/03/21 | |
| *Surrogate: n-Nonane* | | *201 %* | *50-200* | *08/31/21* | *09/03/21* | *S3* |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: AC | | | Batch: 2136012 |
| Chloride | ND | 20.0 | 1 | 08/31/21 | 08/31/21 | |

# Sample Data

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Spill Sampling | |
| PO Box 420 | Project Number: | 06094-0177 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 9/3/2021 3:12:17PM |

## Anabel Pile 1

**E108107-25**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2136006 |
| Benzene | ND | 0.0250 | 1 | 08/30/21 | 08/31/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/30/21 | 08/31/21 | |
| Toluene | ND | 0.0250 | 1 | 08/30/21 | 08/31/21 | |
| o-Xylene | ND | 0.0250 | 1 | 08/30/21 | 08/31/21 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/30/21 | 08/31/21 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/30/21 | 08/31/21 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *106 %* | *70-130* | *08/30/21* | *08/31/21* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2136006 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/30/21 | 08/31/21 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *97.1 %* | *70-130* | *08/30/21* | *08/31/21* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2136020 |
| Diesel Range Organics (C10-C28) | **855** | 50.0 | 2 | 08/31/21 | 09/03/21 | |
| Oil Range Organics (C28-C36) | **469** | 100 | 2 | 08/31/21 | 09/03/21 | |
| *Surrogate: n-Nonane* | | *201 %* | *50-200* | *08/31/21* | *09/03/21* | *S3* |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: AC | | | Batch: 2136012 |
| Chloride | ND | 20.0 | 1 | 08/31/21 | 08/31/21 | |

# Sample Data

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Spill Sampling | |
| PO Box 420 | Project Number: | 06094-0177 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 9/3/2021 3:12:17PM |

## Anabel Pile 2

**E108107-26**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2136006 |
| Benzene | ND | 0.0250 | 1 | 08/30/21 | 08/31/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/30/21 | 08/31/21 | |
| Toluene | ND | 0.0250 | 1 | 08/30/21 | 08/31/21 | |
| o-Xylene | ND | 0.0250 | 1 | 08/30/21 | 08/31/21 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/30/21 | 08/31/21 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/30/21 | 08/31/21 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *106 %* | *70-130* | *08/30/21* | *08/31/21* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2136006 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/30/21 | 08/31/21 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *102 %* | *70-130* | *08/30/21* | *08/31/21* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2136020 |
| Diesel Range Organics (C10-C28) | **735** | 50.0 | 2 | 08/31/21 | 09/03/21 | |
| Oil Range Organics (C28-C36) | **418** | 100 | 2 | 08/31/21 | 09/03/21 | |
| *Surrogate: n-Nonane* | | *199 %* | *50-200* | *08/31/21* | *09/03/21* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: AC | | | Batch: 2136012 |
| Chloride | ND | 20.0 | 1 | 08/31/21 | 09/01/21 | |

# Sample Data

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Spill Sampling | |
| PO Box 420 | Project Number: | 06094-0177 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 9/3/2021 3:12:17PM |

## Anabel Pile 3

**E108107-27**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2136006 |
| Benzene | ND | 0.0250 | 1 | 08/30/21 | 08/31/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/30/21 | 08/31/21 | |
| Toluene | ND | 0.0250 | 1 | 08/30/21 | 08/31/21 | |
| o-Xylene | ND | 0.0250 | 1 | 08/30/21 | 08/31/21 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/30/21 | 08/31/21 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/30/21 | 08/31/21 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *107 %* | *70-130* | *08/30/21* | *08/31/21* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2136006 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/30/21 | 08/31/21 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *99.0 %* | *70-130* | *08/30/21* | *08/31/21* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2136020 |
| Diesel Range Organics (C10-C28) | **726** | 50.0 | 2 | 08/31/21 | 09/03/21 | |
| Oil Range Organics (C28-C36) | **367** | 100 | 2 | 08/31/21 | 09/03/21 | |
| *Surrogate: n-Nonane* | | *201 %* | *50-200* | *08/31/21* | *09/03/21* | *S3* |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: AC | | | Batch: 2136012 |
| Chloride | ND | 20.0 | 1 | 08/31/21 | 09/01/21 | |

# Sample Data

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Spill Sampling | |
| PO Box 420 | Project Number: | 06094-0177 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 9/3/2021 3:12:17PM |

## Anabel Pile 4

**E108107-28**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2136006 |
| Benzene | ND | 0.0250 | 1 | 08/30/21 | 08/31/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/30/21 | 08/31/21 | |
| Toluene | ND | 0.0250 | 1 | 08/30/21 | 08/31/21 | |
| o-Xylene | ND | 0.0250 | 1 | 08/30/21 | 08/31/21 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/30/21 | 08/31/21 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/30/21 | 08/31/21 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *106 %* | *70-130* | *08/30/21* | *08/31/21* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2136006 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/30/21 | 08/31/21 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *97.8 %* | *70-130* | *08/30/21* | *08/31/21* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2136020 |
| Diesel Range Organics (C10-C28) | **1050** | 50.0 | 2 | 08/31/21 | 09/03/21 | |
| Oil Range Organics (C28-C36) | **549** | 100 | 2 | 08/31/21 | 09/03/21 | |
| *Surrogate: n-Nonane* | | *203 %* | *50-200* | *08/31/21* | *09/03/21* | *S3* |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: AC | | | Batch: 2136012 |
| Chloride | ND | 20.0 | 1 | 08/31/21 | 09/01/21 | |

# Sample Data

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Spill Sampling | |
| PO Box 420 | Project Number: | 06094-0177 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 9/3/2021 3:12:17PM |

## Anabel Pile 5

**E108107-29**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2136006 |
| Benzene | ND | 0.0250 | 1 | 08/30/21 | 08/31/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/30/21 | 08/31/21 | |
| Toluene | ND | 0.0250 | 1 | 08/30/21 | 08/31/21 | |
| o-Xylene | ND | 0.0250 | 1 | 08/30/21 | 08/31/21 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/30/21 | 08/31/21 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/30/21 | 08/31/21 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *105 %* | *70-130* | *08/30/21* | *08/31/21* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: RKS | | | Batch: 2136006 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/30/21 | 08/31/21 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *99.8 %* | *70-130* | *08/30/21* | *08/31/21* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2136020 |
| Diesel Range Organics (C10-C28) | **517** | 50.0 | 2 | 08/31/21 | 09/03/21 | |
| Oil Range Organics (C28-C36) | **307** | 100 | 2 | 08/31/21 | 09/03/21 | |
| *Surrogate: n-Nonane* | | *112 %* | *50-200* | *08/31/21* | *09/03/21* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: AC | | | Batch: 2136012 |
| Chloride | ND | 20.0 | 1 | 08/31/21 | 09/01/21 | |

# QC Summary Data

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Spill Sampling | **Reported:** |
| PO Box 420 | Project Number: | 06094-0177 | |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 9/3/2021 3:12:17PM |

## Volatile Organics by EPA 8021B

Analyst: RKS

| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | |
| **Blank (2136006-BLK1)** | | | | | | | | | Prepared: 08/30/21 Analyzed: 08/30/21 |
| Benzene | ND | 0.0250 | | | | | | | |
| Ethylbenzene | ND | 0.0250 | | | | | | | |
| Toluene | ND | 0.0250 | | | | | | | |
| o-Xylene | ND | 0.0250 | | | | | | | |
| p,m-Xylene | ND | 0.0500 | | | | | | | |
| Total Xylenes | ND | 0.0250 | | | | | | | |
| *Surrogate: 4-Bromochlorobenzene-PID* | *7.84* | | *8.00* | | *98.0* | *70-130* | | | |
| **LCS (2136006-BS1)** | | | | | | | | | Prepared: 08/30/21 Analyzed: 08/30/21 |
| Benzene | 4.89 | 0.0250 | 5.00 | | 97.8 | 70-130 | | | |
| Ethylbenzene | 4.78 | 0.0250 | 5.00 | | 95.7 | 70-130 | | | |
| Toluene | 4.94 | 0.0250 | 5.00 | | 98.7 | 70-130 | | | |
| o-Xylene | 4.88 | 0.0250 | 5.00 | | 97.6 | 70-130 | | | |
| p,m-Xylene | 9.72 | 0.0500 | 10.0 | | 97.2 | 70-130 | | | |
| Total Xylenes | 14.6 | 0.0250 | 15.0 | | 97.3 | 70-130 | | | |
| *Surrogate: 4-Bromochlorobenzene-PID* | *8.26* | | *8.00* | | *103* | *70-130* | | | |
| **Matrix Spike (2136006-MS1)** | | | | **Source: E108107-21** | | | | | Prepared: 08/30/21 Analyzed: 08/30/21 |
| Benzene | 4.92 | 0.0250 | 5.00 | ND | 98.4 | 54-133 | | | |
| Ethylbenzene | 4.84 | 0.0250 | 5.00 | ND | 96.8 | 61-133 | | | |
| Toluene | 4.97 | 0.0250 | 5.00 | ND | 99.4 | 61-130 | | | |
| o-Xylene | 4.90 | 0.0250 | 5.00 | ND | 98.1 | 63-131 | | | |
| p,m-Xylene | 9.82 | 0.0500 | 10.0 | ND | 98.2 | 63-131 | | | |
| Total Xylenes | 14.7 | 0.0250 | 15.0 | ND | 98.2 | 63-131 | | | |
| *Surrogate: 4-Bromochlorobenzene-PID* | *8.53* | | *8.00* | | *107* | *70-130* | | | |
| **Matrix Spike Dup (2136006-MSD1)** | | | | **Source: E108107-21** | | | | | Prepared: 08/30/21 Analyzed: 08/30/21 |
| Benzene | 4.97 | 0.0250 | 5.00 | ND | 99.5 | 54-133 | 1.12 | 20 | |
| Ethylbenzene | 4.87 | 0.0250 | 5.00 | ND | 97.5 | 61-133 | 0.628 | 20 | |
| Toluene | 5.01 | 0.0250 | 5.00 | ND | 100 | 61-130 | 0.710 | 20 | |
| o-Xylene | 4.95 | 0.0250 | 5.00 | ND | 99.0 | 63-131 | 0.959 | 20 | |
| p,m-Xylene | 9.88 | 0.0500 | 10.0 | ND | 98.8 | 63-131 | 0.577 | 20 | |
| Total Xylenes | 14.8 | 0.0250 | 15.0 | ND | 98.9 | 63-131 | 0.704 | 20 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | *8.49* | | *8.00* | | *106* | *70-130* | | | |

# QC Summary Data

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Spill Sampling | **Reported:** |
| PO Box 420 | Project Number: | 06094-0177 | |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 9/3/2021 3:12:17PM |

## Volatile Organics by EPA 8021B

Analyst: RKS

| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | |
| **Blank (2136007-BLK1)** | | | | | | | | | Prepared: 08/30/21 Analyzed: 09/01/21 |
| Benzene | ND | 0.0250 | | | | | | | |
| Ethylbenzene | ND | 0.0250 | | | | | | | |
| Toluene | ND | 0.0250 | | | | | | | |
| o-Xylene | ND | 0.0250 | | | | | | | |
| p,m-Xylene | ND | 0.0500 | | | | | | | |
| Total Xylenes | ND | 0.0250 | | | | | | | |
| *Surrogate: 4-Bromochlorobenzene-PID* | *7.90* | | *8.00* | | *98.7* | *70-130* | | | |
| **LCS (2136007-BS1)** | | | | | | | | | Prepared: 08/30/21 Analyzed: 09/01/21 |
| Benzene | 4.74 | 0.0250 | 5.00 | | 94.8 | 70-130 | | | |
| Ethylbenzene | 4.65 | 0.0250 | 5.00 | | 92.9 | 70-130 | | | |
| Toluene | 4.79 | 0.0250 | 5.00 | | 95.8 | 70-130 | | | |
| o-Xylene | 4.73 | 0.0250 | 5.00 | | 94.5 | 70-130 | | | |
| p,m-Xylene | 9.46 | 0.0500 | 10.0 | | 94.6 | 70-130 | | | |
| Total Xylenes | 14.2 | 0.0250 | 15.0 | | 94.5 | 70-130 | | | |
| *Surrogate: 4-Bromochlorobenzene-PID* | *8.30* | | *8.00* | | *104* | *70-130* | | | |
| **Matrix Spike (2136007-MS1)** | | | | **Source: E108107-01** | | | | | Prepared: 08/30/21 Analyzed: 09/01/21 |
| Benzene | 4.77 | 0.0250 | 5.00 | ND | 95.4 | 54-133 | | | |
| Ethylbenzene | 4.64 | 0.0250 | 5.00 | ND | 92.8 | 61-133 | | | |
| Toluene | 4.80 | 0.0250 | 5.00 | ND | 96.1 | 61-130 | | | |
| o-Xylene | 4.72 | 0.0250 | 5.00 | ND | 94.5 | 63-131 | | | |
| p,m-Xylene | 9.43 | 0.0500 | 10.0 | ND | 94.3 | 63-131 | | | |
| Total Xylenes | 14.2 | 0.0250 | 15.0 | ND | 94.4 | 63-131 | | | |
| *Surrogate: 4-Bromochlorobenzene-PID* | *8.01* | | *8.00* | | *100* | *70-130* | | | |
| **Matrix Spike Dup (2136007-MSD1)** | | | | **Source: E108107-01** | | | | | Prepared: 08/30/21 Analyzed: 09/01/21 |
| Benzene | 4.91 | 0.0250 | 5.00 | ND | 98.2 | 54-133 | 2.85 | 20 | |
| Ethylbenzene | 4.71 | 0.0250 | 5.00 | ND | 94.3 | 61-133 | 1.53 | 20 | |
| Toluene | 4.91 | 0.0250 | 5.00 | ND | 98.2 | 61-130 | 2.16 | 20 | |
| o-Xylene | 4.82 | 0.0250 | 5.00 | ND | 96.4 | 63-131 | 2.03 | 20 | |
| p,m-Xylene | 9.58 | 0.0500 | 10.0 | ND | 95.8 | 63-131 | 1.55 | 20 | |
| Total Xylenes | 14.4 | 0.0250 | 15.0 | ND | 96.0 | 63-131 | 1.71 | 20 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | *7.67* | | *8.00* | | *95.9* | *70-130* | | | |

# QC Summary Data

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Spill Sampling | **Reported:** |
| PO Box 420 | Project Number: | 06094-0177 | |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 9/3/2021 3:12:17PM |

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | |
| **Blank (2136006-BLK1)** | | | | | | | | | Prepared: 08/30/21 Analyzed: 08/30/21 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | | | | | | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | *7.93* | | *8.00* | | *99.2* | *70-130* | | | |
| **LCS (2136006-BS2)** | | | | | | | | | Prepared: 08/30/21 Analyzed: 08/30/21 |
| Gasoline Range Organics (C6-C10) | 58.0 | 20.0 | 50.0 | | 116 | 70-130 | | | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | *8.08* | | *8.00* | | *101* | *70-130* | | | |
| **Matrix Spike (2136006-MS2)** | | | | **Source: E108107-21** | | | | | Prepared: 08/30/21 Analyzed: 08/30/21 |
| Gasoline Range Organics (C6-C10) | 65.3 | 20.0 | 50.0 | ND | 131 | 70-130 | | | M1 |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | *7.97* | | *8.00* | | *99.7* | *70-130* | | | |
| **Matrix Spike Dup (2136006-MSD2)** | | | | **Source: E108107-21** | | | | | Prepared: 08/30/21 Analyzed: 08/30/21 |
| Gasoline Range Organics (C6-C10) | 62.3 | 20.0 | 50.0 | ND | 125 | 70-130 | 4.68 | 20 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | *7.84* | | *8.00* | | *98.0* | *70-130* | | | |

# QC Summary Data

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Spill Sampling | **Reported:** |
| PO Box 420 | Project Number: | 06094-0177 | |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 9/3/2021 3:12:17PM |

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | |
| **Blank (2136007-BLK1)** | | | | | | | | | Prepared: 08/30/21 Analyzed: 09/01/21 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | | | | | | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | *7.79* | | *8.00* | | *97.4* | *70-130* | | | |
| **LCS (2136007-BS2)** | | | | | | | | | Prepared: 08/30/21 Analyzed: 09/01/21 |
| Gasoline Range Organics (C6-C10) | 52.3 | 20.0 | 50.0 | | 105 | 70-130 | | | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | *7.83* | | *8.00* | | *97.8* | *70-130* | | | |
| **Matrix Spike (2136007-MS2)** | | | | **Source: E108107-01** | | | | | Prepared: 08/30/21 Analyzed: 09/01/21 |
| Gasoline Range Organics (C6-C10) | 53.6 | 20.0 | 50.0 | ND | 107 | 70-130 | | | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | *7.94* | | *8.00* | | *99.2* | *70-130* | | | |
| **Matrix Spike Dup (2136007-MSD2)** | | | | **Source: E108107-01** | | | | | Prepared: 08/30/21 Analyzed: 09/01/21 |
| Gasoline Range Organics (C6-C10) | 49.3 | 20.0 | 50.0 | ND | 98.6 | 70-130 | 8.39 | 20 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | *7.44* | | *8.00* | | *93.0* | *70-130* | | | |

# QC Summary Data

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Spill Sampling | **Reported:** |
| PO Box 420 | Project Number: | 06094-0177 | |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 9/3/2021 3:12:17PM |

## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | |
| **Blank (2136020-BLK1)** | | | | | | | | | Prepared: 08/31/21 Analyzed: 08/31/21 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | | | | | | | |
| Oil Range Organics (C28-C36) | ND | 50.0 | | | | | | | |
| *Surrogate: n-Nonane* | *44.8* | | *50.0* | | *89.5* | *50-200* | | | |
| **LCS (2136020-BS1)** | | | | | | | | | Prepared: 08/31/21 Analyzed: 08/31/21 |
| Diesel Range Organics (C10-C28) | 459 | 25.0 | 500 | | 91.8 | 38-132 | | | |
| *Surrogate: n-Nonane* | *45.5* | | *50.0* | | *91.0* | *50-200* | | | |
| **Matrix Spike (2136020-MS1)** | | | | **Source: E108120-04** | | | | | Prepared: 08/31/21 Analyzed: 08/31/21 |
| Diesel Range Organics (C10-C28) | 476 | 25.0 | 500 | ND | 95.2 | 38-132 | | | |
| *Surrogate: n-Nonane* | *28.3* | | *50.0* | | *56.7* | *50-200* | | | |
| **Matrix Spike Dup (2136020-MSD1)** | | | | **Source: E108120-04** | | | | | Prepared: 08/31/21 Analyzed: 08/31/21 |
| Diesel Range Organics (C10-C28) | 477 | 25.0 | 500 | ND | 95.4 | 38-132 | 0.166 | 20 | |
| *Surrogate: n-Nonane* | *41.2* | | *50.0* | | *82.3* | *50-200* | | | |

# QC Summary Data

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Spill Sampling | **Reported:** |
| PO Box 420 | Project Number: | 06094-0177 | |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 9/3/2021 3:12:17PM |

## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | |
| **Blank (2136030-BLK1)** | | | | | | | | | Prepared: 09/02/21 Analyzed: 09/02/21 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | | | | | | | |
| Oil Range Organics (C28-C36) | ND | 50.0 | | | | | | | |
| *Surrogate: n-Nonane* | *54.0* | | *50.0* | | *108* | *50-200* | | | |
| **LCS (2136030-BS1)** | | | | | | | | | Prepared: 09/02/21 Analyzed: 09/02/21 |
| Diesel Range Organics (C10-C28) | 508 | 25.0 | 500 | | 102 | 38-132 | | | |
| *Surrogate: n-Nonane* | *51.4* | | *50.0* | | *103* | *50-200* | | | |
| **Matrix Spike (2136030-MS1)** | | | | **Source: E108105-09** | | | | | Prepared: 09/02/21 Analyzed: 09/03/21 |
| Diesel Range Organics (C10-C28) | 5940 | 2500 | 500 | 5460 | 95.5 | 38-132 | | | |
| *Surrogate: n-Nonane* | *59.8* | | *50.0* | | *120* | *50-200* | | | |
| **Matrix Spike Dup (2136030-MSD1)** | | | | **Source: E108105-09** | | | | | Prepared: 09/02/21 Analyzed: 09/03/21 |
| Diesel Range Organics (C10-C28) | 6760 | 2500 | 500 | 5460 | 259 | 38-132 | 12.9 | 20 | M4 |
| *Surrogate: n-Nonane* | *58.0* | | *50.0* | | *116* | *50-200* | | | |

# QC Summary Data

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Spill Sampling | **Reported:** |
| PO Box 420 | Project Number: | 06094-0177 | |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 9/3/2021 3:12:17PM |

## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | |
| **Blank (2136031-BLK1)** | | | | | | | | | Prepared: 09/02/21 Analyzed: 09/02/21 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | | | | | | | |
| Oil Range Organics (C28-C36) | ND | 50.0 | | | | | | | |
| *Surrogate: n-Nonane* | *48.1* | | *50.0* | | *96.2* | *50-200* | | | |
| **LCS (2136031-BS1)** | | | | | | | | | Prepared: 09/02/21 Analyzed: 09/02/21 |
| Diesel Range Organics (C10-C28) | 489 | 25.0 | 500 | | 97.7 | 38-132 | | | |
| *Surrogate: n-Nonane* | *49.0* | | *50.0* | | *98.0* | *50-200* | | | |
| **Matrix Spike (2136031-MS1)** | | | | **Source: E108107-09** | | | | | Prepared: 09/02/21 Analyzed: 09/02/21 |
| Diesel Range Organics (C10-C28) | 516 | 25.0 | 500 | ND | 103 | 38-132 | | | |
| *Surrogate: n-Nonane* | *49.3* | | *50.0* | | *98.6* | *50-200* | | | |
| **Matrix Spike Dup (2136031-MSD1)** | | | | **Source: E108107-09** | | | | | Prepared: 09/02/21 Analyzed: 09/02/21 |
| Diesel Range Organics (C10-C28) | 510 | 25.0 | 500 | ND | 102 | 38-132 | 1.30 | 20 | |
| *Surrogate: n-Nonane* | *46.7* | | *50.0* | | *93.4* | *50-200* | | | |

# QC Summary Data

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Spill Sampling | **Reported:** |
| PO Box 420 | Project Number: | 06094-0177 | |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 9/3/2021 3:12:17PM |

## Anions by EPA 300.0/9056A

Analyst: AC

| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | |
| **Blank (2136008-BLK1)** | | | | | | | | | Prepared: 08/30/21 Analyzed: 08/30/21 |
| Chloride | ND | 20.0 | | | | | | | |
| **LCS (2136008-BS1)** | | | | | | | | | Prepared: 08/30/21 Analyzed: 08/30/21 |
| Chloride | 248 | 20.0 | 250 | | 99.3 | 90-110 | | | |
| **Matrix Spike (2136008-MS1)** | | | | **Source: E108107-01** | | | | | Prepared: 08/30/21 Analyzed: 08/31/21 |
| Chloride | 925 | 40.0 | 250 | 554 | 148 | 80-120 | | | M2 |
| **Matrix Spike Dup (2136008-MSD1)** | | | | **Source: E108107-01** | | | | | Prepared: 08/30/21 Analyzed: 08/31/21 |
| Chloride | 705 | 40.0 | 250 | 554 | 60.2 | 80-120 | 27.0 | 20 | M2, R2 |

# QC Summary Data

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Spill Sampling | **Reported:** |
| PO Box 420 | Project Number: | 06094-0177 | |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 9/3/2021 3:12:17PM |

## Anions by EPA 300.0/9056A

Analyst: AC

| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | |
| **Blank (2136012-BLK1)** | | | | | | | | | Prepared: 08/31/21 Analyzed: 08/31/21 |
| Chloride | ND | 20.0 | | | | | | | |
| **LCS (2136012-BS1)** | | | | | | | | | Prepared: 08/31/21 Analyzed: 08/31/21 |
| Chloride | 249 | 20.0 | 250 | | 99.6 | 90-110 | | | |
| **Matrix Spike (2136012-MS1)** | | | | **Source: E108107-21** | | | | | Prepared: 08/31/21 Analyzed: 08/31/21 |
| Chloride | 255 | 20.0 | 250 | ND | 102 | 80-120 | | | |
| **Matrix Spike Dup (2136012-MSD1)** | | | | **Source: E108107-21** | | | | | Prepared: 08/31/21 Analyzed: 08/31/21 |
| Chloride | 256 | 20.0 | 250 | ND | 102 | 80-120 | 0.329 | 20 | |

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

# Definitions and Notes

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Spill Sampling | |
| PO Box 420 | Project Number: | 06094-0177 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 09/03/21 15:12 |

| | |
|---|---|
| M1 | Matrix spike recovery was above acceptance limits. The associated LCS spike recovery was acceptable. |
| M2 | Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable. |
| M4 | Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable. |
| R2 | The RPD exceeded the acceptance limit. |
| S3 | Surrogate spike recovery was outside acceptance limits. LCS spike recovery was acceptable. |
| ND | Analyte NOT DETECTED at or above the reporting limit |
| NR | Not Reported |
| RPD | Relative Percent Difference |
| DNI | Did Not Ignite |

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Project Information | Chain of Custody | Page 1 of 3

| | | | |
|---|---|---|---|
| Client: Divgen | **Bill To** | Lab Use Only | TAT |
| Project: Spill Sampling | Attention: | Lab WO# E108107 | Job Number 03094-0177 |
| Project Manager: Kevin Smaka | Address: | 1D: | 2D: 3D: Standard: X |
| Address: | City, State, Zip | | |
| City, State, Zip | Phone: | | |
| Phone: | Email: | | |
| Email: | | | |
| Report due by: | | | |

EPA Program: CWA | SDWA | RCRA

State: NM: X | CO | UT | AZ | TX

| Time Sampled | Date Sampled | Matrix | No. of Containers | Sample ID | Lab Number | DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9:40 | 8-26 | S | 1 | Poles 1 | 1 | | | | | | | X | |
| 9:40 | 8-26 | S | 1 | Poles 2 | 2 | | | | | | | | |
| 9:40 | 8-26 | S | 1 | Poles 3 | 3 | | | | | | | | |
| 10:40 | 8-26 | S | 1 | Moncrief 1 | 4 | | | | | | | | |
| 10:40 | 8-26 | S | 1 | Moncrief 2 | 5 | | | | | | | | |
| 10:40 | 8-26 | S | 1 | Moncrief 3 | 6 | | | | | | | | |
| 12:20 | 8-26 | S | 1 | Ross 1 | 7 | | | | | | | | |
| 12:20 | 8-26 | S | 1 | Ross 2 | 8 | | | | | | | | |
| 12:20 | 8-26 | S | 1 | Ross 3 | 9 | | | | | | | | |
| 12:20 | 8-26 | S | 1 | Ross 4 | 10 | | | | | | | | |

**Additional Instructions:**

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Kevin Smaka

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time |
|---|---|---|---|---|---|
| Kevin Smaka | 8-27 | 9:10 | [signature] | 8/27/21 | 9:53 |
| | | | | | |
| | | | | | |

Lab Use Only — Received on ice: (Y) N

T1 ____ T2 ____ T3 ____

AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other ____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Project Information | Chain of Custody | Page 2 of 3

| | |
|---|---|
| Client: Dugan | **Bill To** |
| Project: Spill Sampling | Attention: |
| Project Manager: | Address: |
| Address: | City, State, Zip |
| City, State, Zip | Phone: |
| Phone: | Email: |
| Email: | |
| Report due by: | |

**Lab Use Only**

| Lab WO# | Job Number |
|---|---|
| E108107 | 0609140177 |

**TAT**

| 1D | 2D | 3D | Standard |
|---|---|---|---|
| | | | X |

**EPA Program**

| CWA | SDWA | RCRA |
|---|---|---|
| | | |

**State**

| NM | CO | UT | AZ | TX | |
|---|---|---|---|---|---|
| X | | | | | |

| Time Sampled | Date Sampled | Matrix | No. of Containers | Sample ID | Lab Number | DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12:20 | 8-26 | S | 1 | Ross 5 | 11 | | | | | | | X | |
| 12:20 | 8-26 | S | 1 | Ross 6 | 12 | | | | | | | | |
| 3:30 | 8-26 | S | 1 | January 1 | 13 | | | | | | | | |
| 3:30 | 8-26 | S | 1 | January 2 | 14 | | | | | | | | |
| 3:30 | 8-26 | S | 1 | January 3 | 15 | | | | | | | | |
| 3:30 | 8-26 | S | 1 | January 4 | 16 | | | | | | | | |
| ~~3:30~~ | ~~8-26~~ | ~~S~~ | ~~1~~ | ~~January 5~~ | X | | | | | | | | |
| 2:20 | 8-26 | S | 1 | Anabel N1 | 17 | | | | | | | | |
| 2:20 | 8-26 | S | 1 | Anabel ~~S2~~ N2 | 18 | | | | | | | | |
| 2:20 | 8-26 | S | 1 | Anabel ~~3~~ S1 | 19 | | | | | | | | |
| 2:20 | 8-26 | S | 1 | Anabel ~~4~~ S2 | 20 | | | | | | | | |

KS 8-27

**Additional Instructions:**

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time |
|---|---|---|---|---|---|
| | 8-27 | 9:10 | | 8/27/21 | 9:53 |
| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time |
| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time |

Lab Use Only
Received on ice: (Y) N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other _____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, **v** - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Project Information | Chain of Custody | Page 2 of 3

| | |
|---|---|
| Client: | Dugan |
| Project: | Spill Sampling |
| Project Manager: | |
| Address: | |
| City, State, Zip | |
| Phone: | |
| Email: | |
| Report due by: | |

**Bill To**

| | |
|---|---|
| Attention: | |
| Address: | |
| City, State, Zip | |
| Phone: | |
| Email: | |

**Lab Use Only**

Lab WO# E108107 | Job Number 06094077

| TAT | | | | EPA Program | |
|---|---|---|---|---|---|
| 1D | 2D | 3D | Standard | CWA | SDWA |
| | | | X | | |

RCRA

State: NM X | CO | UT | AZ | TX

| Time Sampled | Date Sampled | Matrix | No. of Containers | Sample ID | Lab Number | DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2:20 | 8-26 | S | 1 | Anabel ~~5~~ B1 | 21 | | | | | | | X | |
| 2:20 | 8-26 | S | 1 | Anabel ~~6~~ B2 | 22 | | | | | | | | |
| 2:20 | 8-26 | S | 1 | Anabel ~~7~~ E1 | 23 | | | | | | | | |
| 2:30 | 8-26 | S | 1 | Anabel ~~8~~ W1 | 24 | | | | | | | | |
| 2:20 | 8-26 | S | 1 | Anabel Pile 1 | 25 | | | | | | | | |
| 2:20 | 8-26 | S | 1 | Anabel Pile 2 | 26 | | | | | | | | |
| 2:20 | 8-26 | S | 1 | Anabel Pile 3 | 27 | | | | | | | | |
| 2:20 | 8-26 | S | 1 | Anabel Pile 4 | 28 | | | | | | | | |
| 2:20 | 8-26 | S | 1 | Anabel Pile 5 | 29 | | | | | | | | |
| ~~3:30~~ | ~~8-26~~ | S | 1 | ~~January 5~~ | | | | | | | | | |

KS 8-27

KS 8-27

**Additional Instructions:**

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time |
|---|---|---|---|---|---|
| | 8-27 | 9110 | | 8/27/21 | 9:53 |
| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time |
| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time |

Lab Use Only
Received on ice: (Y) N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

# Envirotech Analytical Laboratory

Printed: 8/27/2021 10:27:00AM

## Sample Receipt Checklist (SRC)

**Instructions: Please take note of any NO checkmarks.**
**If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.**

| | | | | | |
|---|---|---|---|---|---|
| Client: | Dugan Production Corp. | Date Received: | 08/27/21 09:53 | Work Order ID: | E108107 |
| Phone: | (505) 325-1821 | Date Logged In: | 08/27/21 10:05 | Logged In By: | Alexa Michaels |
| Email: | kevin.smaka@duganproduction.com | Due Date: | 09/03/21 17:00 (5 day TAT) | | |

**Chain of Custody (COC)**

| | | |
|---|---|---|
| 1. Does the sample ID match the COC? | Yes | |
| 2. Does the number of samples per sampling site location match the COC | Yes | |
| 3. Were samples dropped off by client or carrier? | Yes | Carrier: Kevin Smaka |
| 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? | Yes | |
| 5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion. | Yes | |

**Comments/Resolution**

**Sample Turn Around Time (TAT)**

| | | |
|---|---|---|
| 6. Did the COC indicate standard TAT, or Expedited TAT? | Yes | |

**Sample Cooler**

| | | |
|---|---|---|
| 7. Was a sample cooler received? | Yes | |
| 8. If yes, was cooler received in good condition? | Yes | |
| 9. Was the sample(s) received intact, i.e., not broken? | Yes | |
| 10. Were custody/security seals present? | No | |
| 11. If yes, were custody/security seals intact? | NA | |
| 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling | Yes | |
| 13. If no visible ice, record the temperature. Actual sample temperature: 4°C | | |

**Sample Container**

| | | |
|---|---|---|
| 14. Are aqueous VOC samples present? | No | |
| 15. Are VOC samples collected in VOA Vials? | NA | |
| 16. Is the head space less than 6-8 mm (pea sized or less)? | NA | |
| 17. Was a trip blank (TB) included for VOC analyses? | NA | |
| 18. Are non-VOC samples collected in the correct containers? | Yes | |
| 19. Is the appropriate volume/weight or number of sample containers collected? | Yes | |

**Field Label**

| | | |
|---|---|---|
| 20. Were field sample labels filled out with the minimum information: | | |
| Sample ID? | Yes | |
| Date/Time Collected? | Yes | |
| Collectors name? | Yes | |

**Sample Preservation**

| | | |
|---|---|---|
| 21. Does the COC or field labels indicate the samples were preserved? | No | |
| 22. Are sample(s) correctly preserved? | NA | |
| 24. Is lab filteration required and/or requested for dissolved metals? | No | |

**Multiphase Sample Matrix**

| | | |
|---|---|---|
| 26. Does the sample have more than one phase, i.e., multiphase? | No | |
| 27. If yes, does the COC specify which phase(s) is to be analyzed? | NA | |

**Subcontract Laboratory**

| | | |
|---|---|---|
| 28. Are samples required to get sent to a subcontract laboratory? | No | |
| 29. Was a subcontract laboratory specified by the client and if so who? | NA | Subcontract Lab: NA |

**Client Instruction**

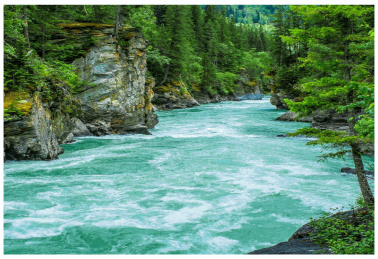
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Kevin Smaka



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

# envirotech

***Practical Solutions for a Better Tomorrow***

## Analytical Report

Dugan Production Corp.

Project Name: Anabel B Tank

Work Order: E107035

Job Number: 06094-0177

Received: 7/15/2021

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/22/21

Date Reported: 7/22/21

Kevin Smaka
PO Box 420
Farmington, NM 87499

Project Name: Anabel B Tank
Workorder: E107035
Date Received: 7/15/2021 2:30:00PM

Kevin Smaka,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/15/2021 2:30:00PM, under the Project Name: Anabel B Tank.

The analytical test results summarized in this report with the Project Name: Anabel B Tank apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

**Walter Hinchman**
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

**Raina Schwanz**
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

**Alexa Michaels**
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

**Southern New Mexico Area**
**Lynn Jarboe**
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

**West Texas Midland/Odessa Area**
**Tom Brown**
Technical Representative
Cell: 832-444-7704
tbrown@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

# Table of Contents

# Sample Summary

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Anabel B Tank | **Reported:** |
| PO Box 420 | Project Number: | 06094-0177 | |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 07/22/21 15:21 |

| Client Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container |
|---|---|---|---|---|---|
| Anabel B Load | E107035-01A | Soil | 07/15/21 | 07/15/21 | Glass Jar, 4 oz. |
| Anabel B Clean | E107035-02A | Soil | 07/15/21 | 07/15/21 | Glass Jar, 4 oz. |
| Anabel B Trace | E107035-03A | Soil | 07/15/21 | 07/15/21 | Glass Jar, 4 oz. |

# Sample Data

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Anabel B Tank | |
| PO Box 420 | Project Number: | 06094-0177 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 7/22/2021 3:21:28PM |

## Anabel B Load

**E107035-01**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2130004 |
| Benzene | ND | 0.0250 | 1 | 07/19/21 | 07/20/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 07/19/21 | 07/20/21 | |
| Toluene | ND | 0.0250 | 1 | 07/19/21 | 07/20/21 | |
| o-Xylene | ND | 0.0250 | 1 | 07/19/21 | 07/20/21 | |
| p,m-Xylene | ND | 0.0500 | 1 | 07/19/21 | 07/20/21 | |
| Total Xylenes | ND | 0.0250 | 1 | 07/19/21 | 07/20/21 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *99.0 %* | *70-130* | *07/19/21* | *07/20/21* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2130004 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 07/19/21 | 07/20/21 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *90.4 %* | *70-130* | *07/19/21* | *07/20/21* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2130005 |
| Diesel Range Organics (C10-C28) | **3130** | 250 | 10 | 07/19/21 | 07/22/21 | |
| Oil Range Organics (C28-C36) | **1260** | 500 | 10 | 07/19/21 | 07/22/21 | |
| *Surrogate: n-Nonane* | | *178 %* | *50-200* | *07/19/21* | *07/22/21* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2130008 |
| Chloride | **22.4** | 20.0 | 1 | 07/20/21 | 07/20/21 | |

# Sample Data

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Anabel B Tank | |
| PO Box 420 | Project Number: | 06094-0177 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 7/22/2021 3:21:28PM |

## Anabel B Clean

**E107035-02**

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2130004 |
| Benzene | ND | 0.0250 | 1 | 07/19/21 | 07/20/21 | |
| Ethylbenzene | ND | 0.0250 | 1 | 07/19/21 | 07/20/21 | |
| Toluene | ND | 0.0250 | 1 | 07/19/21 | 07/20/21 | |
| o-Xylene | ND | 0.0250 | 1 | 07/19/21 | 07/20/21 | |
| p,m-Xylene | ND | 0.0500 | 1 | 07/19/21 | 07/20/21 | |
| Total Xylenes | ND | 0.0250 | 1 | 07/19/21 | 07/20/21 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *97.3 %* | *70-130* | *07/19/21* | *07/20/21* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2130004 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 07/19/21 | 07/20/21 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *90.8 %* | *70-130* | *07/19/21* | *07/20/21* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2130005 |
| Diesel Range Organics (C10-C28) | **351** | 25.0 | 1 | 07/19/21 | 07/20/21 | |
| Oil Range Organics (C28-C36) | **146** | 50.0 | 1 | 07/19/21 | 07/20/21 | |
| *Surrogate: n-Nonane* | | *162 %* | *50-200* | *07/19/21* | *07/20/21* | |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2130008 |
| Chloride | **63.7** | 20.0 | 1 | 07/20/21 | 07/20/21 | |

# Sample Data

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Anabel B Tank | |
| PO Box 420 | Project Number: | 06094-0177 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 7/22/2021 3:21:28PM |

## Anabel B Trace

### E107035-03

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021B** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2130004 |
| Benzene | **0.0982** | 0.0250 | 1 | 07/19/21 | 07/20/21 | |
| Ethylbenzene | **1.60** | 0.0250 | 1 | 07/19/21 | 07/20/21 | |
| Toluene | **2.26** | 0.0250 | 1 | 07/19/21 | 07/20/21 | |
| o-Xylene | **2.44** | 0.0250 | 1 | 07/19/21 | 07/20/21 | |
| p,m-Xylene | **6.50** | 0.0500 | 1 | 07/19/21 | 07/20/21 | |
| Total Xylenes | **8.94** | 0.0250 | 1 | 07/19/21 | 07/20/21 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | | *103 %* | *70-130* | *07/19/21* | *07/20/21* | |
| **Nonhalogenated Organics by EPA 8015D - GRO** | mg/kg | mg/kg | Analyst: IY | | | Batch: 2130004 |
| Gasoline Range Organics (C6-C10) | **113** | 20.0 | 1 | 07/19/21 | 07/20/21 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | | *107 %* | *70-130* | *07/19/21* | *07/20/21* | |
| **Nonhalogenated Organics by EPA 8015D - DRO/ORO** | mg/kg | mg/kg | Analyst: JL | | | Batch: 2130005 |
| Diesel Range Organics (C10-C28) | **4810** | 50.0 | 2 | 07/19/21 | 07/20/21 | |
| Oil Range Organics (C28-C36) | **1550** | 100 | 2 | 07/19/21 | 07/20/21 | |
| *Surrogate: n-Nonane* | | *252 %* | *50-200* | *07/19/21* | *07/20/21* | *S5* |
| **Anions by EPA 300.0/9056A** | mg/kg | mg/kg | Analyst: RAS | | | Batch: 2130008 |
| Chloride | **69.9** | 20.0 | 1 | 07/20/21 | 07/20/21 | |

# QC Summary Data

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Anabel B Tank | **Reported:** |
| PO Box 420 | Project Number: | 06094-0177 | |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 7/22/2021 3:21:28PM |

## Volatile Organics by EPA 8021B

Analyst: IY

| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | |
| **Blank (2130004-BLK1)** | | | | | | | | | Prepared: 07/19/21 Analyzed: 07/20/21 |
| Benzene | ND | 0.0250 | | | | | | | |
| Ethylbenzene | ND | 0.0250 | | | | | | | |
| Toluene | ND | 0.0250 | | | | | | | |
| o-Xylene | ND | 0.0250 | | | | | | | |
| p,m-Xylene | ND | 0.0500 | | | | | | | |
| Total Xylenes | ND | 0.0250 | | | | | | | |
| *Surrogate: 4-Bromochlorobenzene-PID* | *8.04* | | *8.00* | | *101* | *70-130* | | | |
| **LCS (2130004-BS1)** | | | | | | | | | Prepared: 07/19/21 Analyzed: 07/20/21 |
| Benzene | 5.07 | 0.0250 | 5.00 | | 101 | 70-130 | | | |
| Ethylbenzene | 5.12 | 0.0250 | 5.00 | | 102 | 70-130 | | | |
| Toluene | 5.33 | 0.0250 | 5.00 | | 107 | 70-130 | | | |
| o-Xylene | 5.05 | 0.0250 | 5.00 | | 101 | 70-130 | | | |
| p,m-Xylene | 10.4 | 0.0500 | 10.0 | | 104 | 70-130 | | | |
| Total Xylenes | 15.4 | 0.0250 | 15.0 | | 103 | 70-130 | | | |
| *Surrogate: 4-Bromochlorobenzene-PID* | *8.00* | | *8.00* | | *100* | *70-130* | | | |
| **Matrix Spike (2130004-MS1)** | | | | **Source: E107036-21** | | | | | Prepared: 07/19/21 Analyzed: 07/20/21 |
| Benzene | 5.12 | 0.0250 | 5.00 | ND | 102 | 54-133 | | | |
| Ethylbenzene | 5.15 | 0.0250 | 5.00 | ND | 103 | 61-133 | | | |
| Toluene | 5.35 | 0.0250 | 5.00 | ND | 107 | 61-130 | | | |
| o-Xylene | 5.08 | 0.0250 | 5.00 | ND | 102 | 63-131 | | | |
| p,m-Xylene | 10.4 | 0.0500 | 10.0 | ND | 104 | 63-131 | | | |
| Total Xylenes | 15.5 | 0.0250 | 15.0 | ND | 103 | 63-131 | | | |
| *Surrogate: 4-Bromochlorobenzene-PID* | *8.02* | | *8.00* | | *100* | *70-130* | | | |
| **Matrix Spike Dup (2130004-MSD1)** | | | | **Source: E107036-21** | | | | | Prepared: 07/19/21 Analyzed: 07/20/21 |
| Benzene | 4.97 | 0.0250 | 5.00 | ND | 99.5 | 54-133 | 2.93 | 20 | |
| Ethylbenzene | 5.01 | 0.0250 | 5.00 | ND | 100 | 61-133 | 2.73 | 20 | |
| Toluene | 5.22 | 0.0250 | 5.00 | ND | 104 | 61-130 | 2.49 | 20 | |
| o-Xylene | 4.95 | 0.0250 | 5.00 | ND | 99.0 | 63-131 | 2.53 | 20 | |
| p,m-Xylene | 10.1 | 0.0500 | 10.0 | ND | 101 | 63-131 | 2.57 | 20 | |
| Total Xylenes | 15.1 | 0.0250 | 15.0 | ND | 101 | 63-131 | 2.56 | 20 | |
| *Surrogate: 4-Bromochlorobenzene-PID* | *8.03* | | *8.00* | | *100* | *70-130* | | | |

# QC Summary Data

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Anabel B Tank | **Reported:** |
| PO Box 420 | Project Number: | 06094-0177 | |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 7/22/2021 3:21:28PM |

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | |
| **Blank (2130004-BLK1)** | | | | | | | | | Prepared: 07/19/21 Analyzed: 07/20/21 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | | | | | | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | *7.26* | | *8.00* | | *90.8* | *70-130* | | | |
| **LCS (2130004-BS2)** | | | | | | | | | Prepared: 07/19/21 Analyzed: 07/20/21 |
| Gasoline Range Organics (C6-C10) | 44.0 | 20.0 | 50.0 | | 88.1 | 70-130 | | | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | *7.11* | | *8.00* | | *88.9* | *70-130* | | | |
| **Matrix Spike (2130004-MS2)** | | | | **Source: E107036-21** | | | | | Prepared: 07/19/21 Analyzed: 07/20/21 |
| Gasoline Range Organics (C6-C10) | 44.7 | 20.0 | 50.0 | ND | 89.3 | 70-130 | | | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | *7.28* | | *8.00* | | *91.0* | *70-130* | | | |
| **Matrix Spike Dup (2130004-MSD2)** | | | | **Source: E107036-21** | | | | | Prepared: 07/19/21 Analyzed: 07/20/21 |
| Gasoline Range Organics (C6-C10) | 44.9 | 20.0 | 50.0 | ND | 89.9 | 70-130 | 0.618 | 20 | |
| *Surrogate: 1-Chloro-4-fluorobenzene-FID* | *7.19* | | *8.00* | | *89.9* | *70-130* | | | |

# QC Summary Data

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Anabel B Tank | **Reported:** |
| PO Box 420 | Project Number: | 06094-0177 | |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 7/22/2021 3:21:28PM |

## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | |
| **Blank (2130005-BLK1)** | | | | | | | | | Prepared: 07/19/21 Analyzed: 07/20/21 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | | | | | | | |
| Oil Range Organics (C28-C36) | ND | 50.0 | | | | | | | |
| *Surrogate: n-Nonane* | *53.8* | | *50.0* | | *108* | *50-200* | | | |
| **LCS (2130005-BS1)** | | | | | | | | | Prepared: 07/19/21 Analyzed: 07/20/21 |
| Diesel Range Organics (C10-C28) | 452 | 25.0 | 500 | | 90.3 | 38-132 | | | |
| *Surrogate: n-Nonane* | *51.9* | | *50.0* | | *104* | *50-200* | | | |
| **Matrix Spike (2130005-MS1)** | | | | **Source: E107034-10** | | | | | Prepared: 07/19/21 Analyzed: 07/20/21 |
| Diesel Range Organics (C10-C28) | 419 | 25.0 | 500 | ND | 83.8 | 38-132 | | | |
| *Surrogate: n-Nonane* | *47.3* | | *50.0* | | *94.7* | *50-200* | | | |
| **Matrix Spike Dup (2130005-MSD1)** | | | | **Source: E107034-10** | | | | | Prepared: 07/19/21 Analyzed: 07/20/21 |
| Diesel Range Organics (C10-C28) | 452 | 25.0 | 500 | ND | 90.3 | 38-132 | 7.50 | 20 | |
| *Surrogate: n-Nonane* | *52.5* | | *50.0* | | *105* | *50-200* | | | |

# QC Summary Data

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Anabel B Tank | **Reported:** |
| PO Box 420 | Project Number: | 06094-0177 | |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 7/22/2021 3:21:28PM |

## Anions by EPA 300.0/9056A

Analyst: RAS

| Analyte | Result | Reporting Limit | Spike Level | Source Result | Rec | Rec Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|
| | mg/kg | mg/kg | mg/kg | mg/kg | % | % | % | % | |
| **Blank (2130008-BLK1)** | | | | | | | | | Prepared: 07/20/21 Analyzed: 07/20/21 |
| Chloride | ND | 20.0 | | | | | | | |
| **LCS (2130008-BS1)** | | | | | | | | | Prepared: 07/20/21 Analyzed: 07/20/21 |
| Chloride | 244 | 20.0 | 250 | | 97.5 | 90-110 | | | |
| **Matrix Spike (2130008-MS1)** | | | | **Source: E107023-01** | | | | | Prepared: 07/20/21 Analyzed: 07/20/21 |
| Chloride | 258 | 20.0 | 250 | ND | 103 | 80-120 | | | |
| **Matrix Spike Dup (2130008-MSD1)** | | | | **Source: E107023-01** | | | | | Prepared: 07/20/21 Analyzed: 07/20/21 |
| Chloride | 259 | 20.0 | 250 | ND | 104 | 80-120 | 0.496 | 20 | |

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

# Definitions and Notes

| | | | |
|---|---|---|---|
| Dugan Production Corp. | Project Name: | Anabel B Tank | |
| PO Box 420 | Project Number: | 06094-0177 | **Reported:** |
| Farmington NM, 87499 | Project Manager: | Kevin Smaka | 07/22/21 15:21 |

| | |
|---|---|
| S5 | Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes. |
| ND | Analyte NOT DETECTED at or above the reporting limit |
| NR | Not Reported |
| RPD | Relative Percent Difference |
| DNI | Did Not Ignite |

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Project Information | Chain of Custody | Page 1 of 1

| | |
|---|---|
| Client: Dugan | |
| Project: Anabel B Tank | |
| Project Manager: Kevin Smaka | |
| Address: | |
| City, State, Zip Farmington | |
| Phone: 505-486-6207 | |
| Email: | |
| Report due by: | |

**Bill To**

| | |
|---|---|
| Attention: | |
| Address: | |
| City, State, Zip | |
| Phone: | |
| Email: | |

**Lab Use Only**

| Lab WO# | Job Number |
|---|---|
| E107035 | 06094-0077 |

**TAT**

| 1D | 2D | 3D | Standard |
|---|---|---|---|
| | | | X |

**EPA Program**

| CWA | SDWA | RCRA |
|---|---|---|
| | | |

**State**

| NM | CO | UT | AZ | TX | |
|---|---|---|---|---|---|
| X | | | | | |

**Analysis and Method**

| Time Sampled | Date Sampled | Matrix | No. of Containers | Sample ID | Lab Number | DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12:30 | 7-15 | S | 1 | Anabel B LOAD | 1 | X | X | X | | | X | |
| 12:30 | 7-15 | S | 1 | Anabel B Clean | 2 | X | X | X | | | X | |
| 12:30 | 7-15 | S | 1 | Anabel B Trace | 3 | X | X | X | | | X | |

**Additional Instructions:**

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Kevin Smaka

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time |
|---|---|---|---|---|---|
| | 7-15 | 2:30 | Raiza Johnson | 7/15/21 | 14:30 |
| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time |
| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time |

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other _____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, **v** - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

# Envirotech Analytical Laboratory

Printed: 7/16/2021 12:57:52PM

## Sample Receipt Checklist (SRC)

**Instructions: Please take note of any NO checkmarks.**
**If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.**

| | | | | | |
|---|---|---|---|---|---|
| Client: | Dugan Production Corp. | Date Received: | 07/15/21 14:30 | Work Order ID: | E107035 |
| Phone: | (505) 325-1821 | Date Logged In: | 07/16/21 12:55 | Logged In By: | Jessica Liesse |
| Email: | kevin.smaka@duganproduction.com | Due Date: | 07/22/21 17:00 (5 day TAT) | | |

**Chain of Custody (COC)**

| | | |
|---|---|---|
| 1. Does the sample ID match the COC? | Yes | |
| 2. Does the number of samples per sampling site location match the COC | Yes | |
| 3. Were samples dropped off by client or carrier? | Yes | Carrier: Kevin Smaka |
| 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? | Yes | |
| 5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion. | Yes | |

**Comments/Resolution**

**Sample Turn Around Time (TAT)**

| | |
|---|---|
| 6. Did the COC indicate standard TAT, or Expedited TAT? | Yes |

**Sample Cooler**

| | |
|---|---|
| 7. Was a sample cooler received? | Yes |
| 8. If yes, was cooler received in good condition? | Yes |
| 9. Was the sample(s) received intact, i.e., not broken? | Yes |
| 10. Were custody/security seals present? | No |
| 11. If yes, were custody/security seals intact? | NA |
| 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling | Yes |
| 13. If no visible ice, record the temperature. Actual sample temperature: 4°C | |

**Sample Container**

| | |
|---|---|
| 14. Are aqueous VOC samples present? | No |
| 15. Are VOC samples collected in VOA Vials? | NA |
| 16. Is the head space less than 6-8 mm (pea sized or less)? | NA |
| 17. Was a trip blank (TB) included for VOC analyses? | NA |
| 18. Are non-VOC samples collected in the correct containers? | Yes |
| 19. Is the appropriate volume/weight or number of sample containers collected? | Yes |

**Field Label**

| | |
|---|---|
| 20. Were field sample labels filled out with the minimum information: | |
| Sample ID? | Yes |
| Date/Time Collected? | Yes |
| Collectors name? | Yes |

**Sample Preservation**

| | |
|---|---|
| 21. Does the COC or field labels indicate the samples were preserved? | No |
| 22. Are sample(s) correctly preserved? | NA |
| 24. Is lab filteration required and/or requested for dissolved metals? | No |

**Multiphase Sample Matrix**

| | |
|---|---|
| 26. Does the sample have more than one phase, i.e., multiphase? | No |
| 27. If yes, does the COC specify which phase(s) is to be analyzed? | NA |

**Subcontract Laboratory**

| | | |
|---|---|---|
| 28. Are samples required to get sent to a subcontract laboratory? | No | |
| 29. Was a subcontract laboratory specified by the client and if so who? | NA | Subcontract Lab: NA |

**Client Instruction**

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

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 | NAPP2118234253 |
| District RP | |
| Facility ID | |
| Application ID | |

# Release Notification

## Responsible Party

| | |
|---|---|
| Responsible Party Dugan Production Corp. | OGRID 006515 |
| Contact Name Kevin Smaka | Contact Telephone 505-325-1821 x1049 |
| Contact email Kevin.Smaka@duganproduction.com | Incident # *(assigned by OCD)* NAPP2118234253 |
| Contact mailing address PO Box 420, Farmington, NM 87499 | |

## Location of Release Source

Latitude 36.3697205 Longitude -107.6721954
*(NAD 83 in decimal degrees to 5 decimal places)*

| | |
|---|---|
| Site Name Anabel B #1 | Site Type Oil Well |
| Date Release Discovered 6/29/21 | API# *(if applicable)* 30-045-26527 |

| Unit Letter | Section | Township | Range | County |
|---|---|---|---|---|
| K | 27 | 25N | 8W | San Juan |

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) 20 | Volume Recovered (bbls) 15 |
| ☐ Produced Water | Volume Released (bbls) | Volume Recovered (bbls) |
| | 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<br><br>Corrosion of tank bottom | | |

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Page 2

State of New Mexico
Oil Conservation Division

| | |
|---|---|
| Incident ID | NAPP2118234253 |
| District RP | |
| Facility ID | |
| Application ID | |

| | |
|---|---|
| Was this a major release as defined by 19.15.29.7(A) NMAC?<br>☐ Yes ☒ No | If YES, for what reason(s) does the responsible party consider this a major release? |
| If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? | |

## Initial Response

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

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

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

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

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

Printed Name: Kevin Smaka  Title: Engineer

Signature: Kevin Smaka  Date: June 30, 2021

email: Kevin.Smaka@duganproduction.com  Telephone: 505-325-1821 x1049

**OCD Only**

Received by: Ramona Marcus  Date: 11/1/2021

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State of New Mexico
Oil Conservation Division

| | |
|---|---|
| Incident ID | NAPP2118234253 |
| District RP | |
| Facility ID | |
| Application ID | |

# Site Assessment/Characterization

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

| | |
|---|---|
| What is the shallowest depth to groundwater beneath the area affected by the release? | NV ~~700~~ 577 (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 | NAPP2118234253 |
| District RP | |
| Facility ID | |
| Application ID | |

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

Printed Name: Kevin Smaka Title: Engineer

Signature: Kevin Smaka Date: 10-21-21

email: Kevin.smaka@dugan.com Telephone:

**OCD Only**

Received by: Ramona Marcus Date: 11/1/2021

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State of New Mexico
Oil Conservation Division

| | |
|---|---|
| Incident ID | NAPP2118234253 |
| District RP | |
| Facility ID | |
| Application ID | |

# Remediation Plan

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

- [x] Detailed description of proposed remediation technique
- [x] Scaled sitemap with GPS coordinates showing delineation points
- [x] Estimated volume of material to be remediated
- [x] Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- [x] 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: Kevin Smaka Title: Engineer

Signature: Kevin Smaka Date: 10-21-21

email: _____ Telephone: 505-325-1821

**OCD Only**

Received by: Ramona Marcus Date: 11/01/2021

- [ ] Approved
- [ ] Approved with Attached Conditions of Approval
- [ ] Denied
- [ ] Deferral Approved

Signature: _____ Date: _____

Form C-141
Page 6

State of New Mexico
Oil Conservation Division

| | |
|---|---|
| Incident ID | |
| District RP | |
| Facility ID | |
| 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: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

**OCD Only**

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

# Spill Remediation Plan

Dugan Production Corp.

Anabel B #1
API# 30-045-26527
K-27-25N-08W
1860 FSL 1680 FWL

## Spill Background

Dugan Production Corp. had a spill as a result of corrosion at the Anabel B #1 tank battery. Remedial efforts to date have involved excavating soils and stockpiling soils waiting for crew availability to haul soils. Sampling results indicated contaminated soils have been removed from the hole and need to land farm or chemically treated to complete remedial efforts.

## Site Ranking

The spill occurred at a tank battery and was contained inside the tank's berm. The spill rule indicates that the following criteria must be considered for closure purposes:

**(4)** If a release occurs within the following areas, the responsible party must treat the release as if it occurred less than 50 feet to ground water in Table I of 19.15.29.12 NMAC:

**(a)** within

**(i)** 300 feet of any continuously flowing watercourse or any other significant watercourse, or

**(ii)** 200 feet of any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark);

**(b)** within 300 feet from an occupied permanent residence, school, hospital, institution or church;

**(c)** within

**(i)** 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or

**(ii)** 1000 feet of any fresh water well or spring;

**(d)** within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to Section 3-27-3 NMSA 1978 as amended, unless the municipality specifically approves;

**(e)** within 300 feet of a wetland;

**(f)** within the area overlying a subsurface mine;

**(g)** within an unstable area; or

**(h)** within a 100-year floodplain.

Site maps, topo maps, aerial maps, hydrogeologic reports, flood plain maps and a mine map included with the site characterization report indicate this spill may be treated in the greater than 100 ft to groundwater table as indicated in table 1 of the spill rule.

| Table I<br>Closure Criteria for Soils Impacted by a Release | | | |
|---|---|---|---|
| Minimum depth below any point within the horizontal boundary of the release to ground water less than 10,000 mg/l TDS | Constituent | Method* | Limit** |
| ≤ 50 feet | Chloride*** | EPA 300.0 or SM4500 Cl B | 600 mg/kg |
| | TPH (GRO+DRO+MRO) | EPA SW-846 Method 8015M | 100 mg/kg |
| | BTEX | EPA SW-846 Method 8021B or 8260B | 50 mg/kg |
| | Benzene | EPA SW-846 Method 8021B or 8260B | 10 mg/kg |
| 51 feet-100 feet | Chloride*** | EPA 300.0 or SM4500 Cl B | 10,000 mg/kg |
| | TPH (GRO+DRO+MRO) | EPA SW-846 Method 8015M | 2,500 mg/kg |
| | GRO+DRO | EPA SW-846 Method 8015M | 1,000 mg/kg |
| | BTEX | EPA SW-846 Method 8021B or 8260B | 50 mg/kg |
| | Benzene | EPA SW-846 Method 8021B or 8260B | 10 mg/kg |
| >100 feet | Chloride*** | EPA 300.0 or SM4500 Cl B | 20,000 mg/kg |
| | TPH (GRO+DRO+MRO) | EPA SW-846 Method 8015M | 2,500 mg/kg |
| | GRO+DRO | EPA SW-846 Method 8015M | 1,000 mg/kg |
| | BTEX | EPA SW-846 Method 8021B or 8260B | 50 mg/kg |
| | Benzene | EPA SW-846 Method 8021B or 8260B | 10 mg/kg |

As indicated Dugan will be working to achieve closure in the >100 feet groundwater portion of table 1.

## Proposed Remediation Plan

Dugan proposes to clean the spill using soil shredding technology. In this process contaminated soil is passed through machinery that shreds and aerates the soil. The soil is then treated with an oxidizing agent (Hydrogen peroxide in this case) that breaks down the hydrocarbons in the soil. The soil will be collected and spread into 100 cubic yard windrows and tested. If sampling results are below the limits established in the spill rule Dugan will use the soil for back fill. If sample results are too high the soil will be reprocessed and sprayed until all soils are meet the standards in table 1 of the spill rule.

The spill has not been fully delineated. At this time Dugan has excavated roughly 350 cubic yards of soil. Dugan will excavate the remaining portion of the spill area to verify that the spill has been delineated and can proceed with closure.

To be clear, soils will be treated and cleaned using soil shredding technology. Prior to backfill the sides and bottom of the spill area will be sampled and tested to verify the hole has been properly delineated. Contaminated soils will be treated and tested. Once all soils are withing the limits of table 1 in the greater than 100>feet to water category are achieved, the soils will be used to back fill the hole. The soils will be compacted, reclaimed, reseeded and restored to the best condition possible while the area is part of an active well site.

Dugan proposes to start this project as soon as approval from OCD has been granted. Dugan anticipates this project will be completed no later than 11/30/2021. Should unexpected delays occur Dugan will be notifying OCD and BLM of our plans and expected timeframes to complete the project.

# Spill Characterization Report

Dugan Production Corp.

Anabel B #1
API# 30-045-26527
K-27-25N-08W
1860 FSL 1680 FWL

A tank at Dugan Production Corp. Anabel B #1 well site, on 6/29/21, lost integrity due to corrosion and as a result spilled oil inside the berm of the tank. All fluids were contained within the tank berm area. Dugan crews began work to remediate the spill on 6/30/21. Soil samples of the initial excavated soil was collected, sent to Envirotech for analysis. Those initial results may be found at the end of this report as item #1. Initial sampling results indicated high TPH and clear signs of needing to expand the excavation to delineate and remediate the spill.

Dugan crews began work to further excavate and delineate the spill. Dugan personnel dug down until soils began to appear free of staining and hydrocarbon odors. Clean dirt was found at an average depth of 10 feet. At this point the crew began working to delineate the lateral extents of the spill. Crews excavated soils until they excavated a hole with dimensions of 32' x 30' x 10'.

The excavation appeared to be successful due to the fact soils removed from the hole were odorless and free of staining. Confirmation sampling was scheduled to confirm remediation was successful. The results indicated that all the side walls were free of any contaminants. The results from the bottom of the excavation were significantly better than the initial samples. One of the samples had DRO values higher than permitted in table 1 of the spill rule. As such Dugan will be submitting a remediation plan to address and remediate the spill at this tank battery.

## Field Data

6-29-21 Spill was discovered by Dugan personnel. Oil spill is contained within berm. Water truck was called to recover standing oil inside of berm. In order to protect the public and wildlife a fence was constructed around the spill site.

6-30-21 Dugan crews began efforts to delineate the spill. Contaminated soil was excavated and stockpiled within a berm to prevent liquids from spreading and contaminating other soils. Soils appear brown and grey and contain strong hydrocarbon odors. Current hole size is 5' x 5' x 5'.

7-15-21 Dugan crews continued remedial efforts. Crew foreman noted strong odors and visual evidence of hydrocarbons appeared to be dissipating. Samples we collected to verify that spill had been delineated. Sample results indicated high levels of hydrocarbons were present in the bottom of the pit. Crew continuing to excavate deeper and further out until sample results indicate the spill is delineated.

8-2-21 Heavy rains have made accessing the location dangerous to Dugan personnel. Pandemic issues with the labor force have impacted Dugan's ability to hire a contract blade service to repair the roads so heavy equipment may be safely transported to the location.

8-27-21 Roads have been repaired. Dugan crews continued delineation efforts. Hole is now approximately 25' x 25' x 10'. Signs of staining on the sidewalls and bottom of the hole are gone. Soils are free of hydrocarbon odors. Samples were collected to confirm the spill has been adequately delineated. Sample results indicated conditions are improving but values for hydrocarbons are still too high to consider this for closure or delineation purposes.

10-4-21 Field crews have expanded the hole to be a size of nearly 32'x 30' x 10'. All walls and base appear to be free of hydrocarbon staining. Soils are mostly free of hydrocarbon odors. Some handfuls of dirt had faint trace odors of hydrocarbons. Samples were collected to verify delineation efforts were successful. Results indicated one area in the base still tested too high for DRO limits. A site characterization and spill remediation C-141 will be prepared and submitted to OCD to complete further remedial actions.

**Excavation Log/Notes**

| Pit dimensions (feet by feet) | Pit depth (feet) | Soil Conditions |
|---|---|---|
| 5 x 5 | 5 | Soils are heavily stained and have strong odors |
| 5 x 10 | 10 | Soils at 10 feet appear clean. Walls are visibly stained and have strong odors |
| 10 x 10 | 10 | Side walls are still stained. Base clears up at a depth of 10 feet |
| 15 x 10 | 10 | Side walls are heavily stained and have strong odors |
| 15 x 15 | 10 | Soils are heavily stained and have strong odors |
| 20 x 15 | 10 | Soils are heavily stained and have strong odors |
| 20 x 20 | 10 | Soils are heavily stained and have strong odors |
| 25x 20 | 10 | Soils are heavily stained and have strong odors |
| 25 x 25 | 10 | Soils are heavily stained and have strong odors |
| 30 x 25 | 10 | Side walls are starting to clear up. Spotting is still present but improving. The base is still in good condition. |
| 30 x 30 | 10 | Side walls are in very good condition. One wall still exhibits staining and must have a little more dirt removed to delineate spill. |
| 32 x 30 | 10 | Walls and base are free of staining and odors. Any discoloration can be attributed to soil type as they are free of odors. Sampling will be conducted to verify delineation efforts. |


027
T25N - R08W
Legend
Anabel B 1
Delineation Points
Spill Area
0 35 70 140 210 280
Feet
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

# New Mexico Office of the State Engineer
# Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

| POD Number | POD Sub-basin | County | Q 64 | Q 16 | Q 4 | Sec | Tws | Rng | X | Y | Depth Well | Depth Water | Water Column |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SJ 03275 | SJ | SJ | 4 | 2 | 2 | 25 | 25N | 08W | 264502 | 4028868* | 57 | 18 | 39 |

Average Depth to Water: **18 feet**

Minimum Depth: **18 feet**

Maximum Depth: **18 feet**

**Record Count:** 1

**Basin/County Search:**

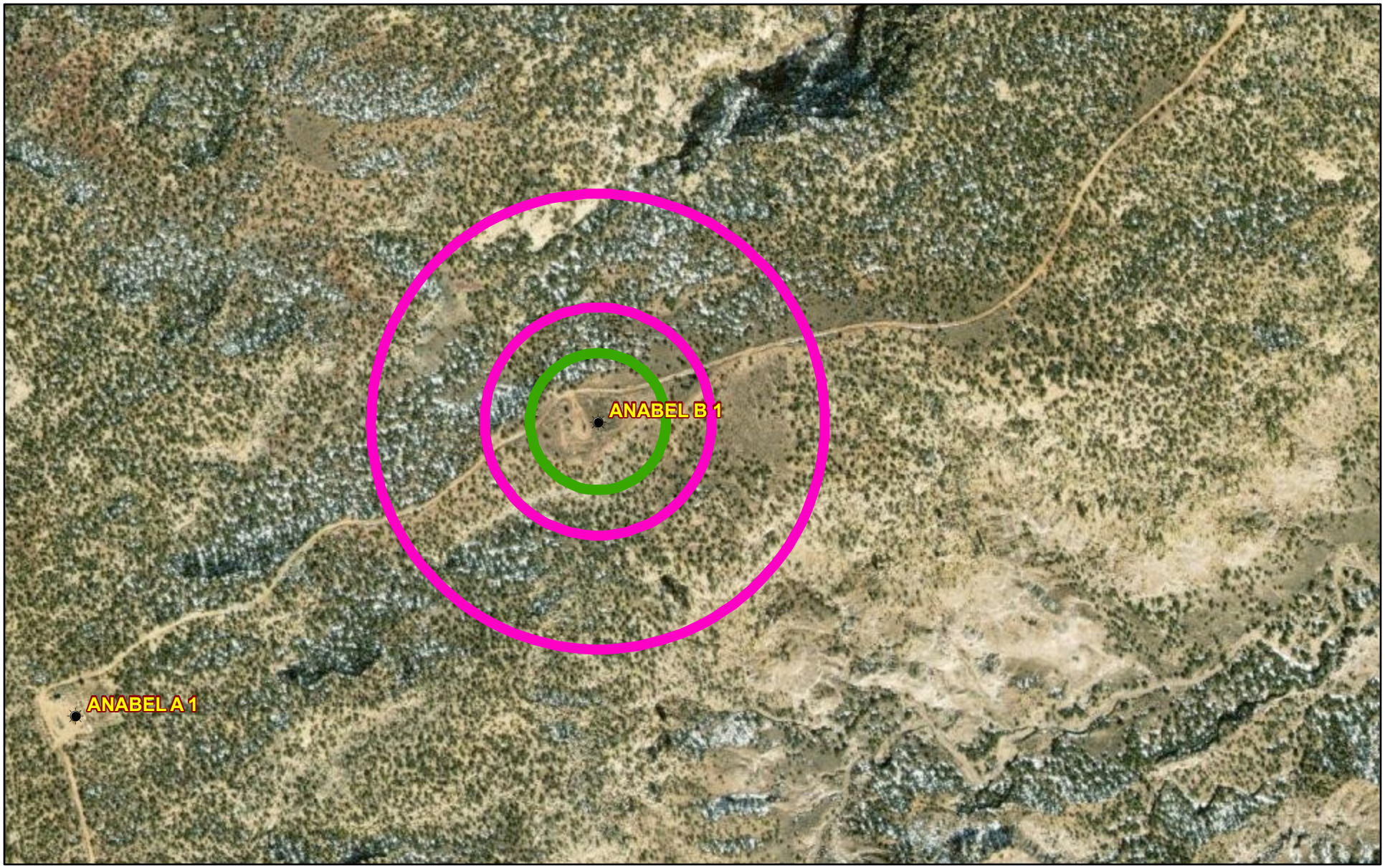
**Basin:** San Juan **County:** San Juan

**PLSS Search:**

**Section(s):** 21-35 **Township:** 25N **Range:** 08W

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

# Anabel B1 Spill Map Buffers




10/13/2021

Buffer_of_Anabel_B1

500 foot buffer

300 foot buffer

1000 foot buffer

DPC Oils Wells

1:9,028

0 0.05 0.1 0.2 mi

0 0.1 0.2 0.4 km

Maxar

**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:<br>DUGAN PRODUCTION CORP<br>PO Box 420<br>Farmington, NM 87499 | OGRID:<br>6515 |
| | Action Number:<br>58113 |
| | Action Type:<br>[C-141] Release Corrective Action (C-141) |

**CONDITIONS**

| Created By | Condition | Condition Date |
|---|---|---|
| nvelez | None | 1/7/2022 |