

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	NAPP2118956975
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) NAPP2118956975
Contact mailing address: PO Box 420, Farmington, NM 87499	

### Location of Release Source

Latitude 36.5217896 Longitude -108.2195358  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Ross Federal #1	Site Type: Gas Well
Date Release Discovered 7/7/2021	API# (if applicable) 30-045-22484

Unit Letter	Section	Township	Range	County
A	4	26N	13W	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)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 300	Volume Recovered (bbls) 35 bbl
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

Corrosion of storage tank bottom

Incident ID	NAPP2118956975
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<p>Was this a major release as defined by 19.15.29.7(A) NMAC?</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p>If YES, for what reason(s) does the responsible party consider this a major release?</p> <p>Volume released was greater than 25 bbl.</p>
--	---

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

Kevin Smaka notified the OCD on a C-141 uploaded to the OCD form portal within 24 hours of discovery on 7/8/21

### 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: \_\_\_\_\_ Date: July 8, 2021

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

**OCD Only**

Received by: Ramona Marcus Date: 9/12/2021

Incident ID	
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Facility ID	
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## Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	_____ (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input type="checkbox"/> 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)?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input type="checkbox"/> 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?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input type="checkbox"/> 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 1/2-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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State of New Mexico  
Oil Conservation Division

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

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Incident ID	
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## Remediation Plan

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

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

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

- Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- Extents of contamination must be fully delineated.
- Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_  
 Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
 email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

- Approved       Approved with Attached Conditions of Approval       Denied       Deferral Approved

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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Oil Conservation Division

Incident ID	NAPP2118956975
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Application ID	

### Closure

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

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

- A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- Description of remediation activities

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

Printed Name: Kevin Smaka Title: Engineer  
 Signature: [Handwritten Signature] Date: 9-9-21  
 email: \_\_\_\_\_ Telephone: 505-325-1821

**OCD Only**

Received by: Ramona Marcus Date: 9/12/2021

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: Nelson Velez Date: 02/22/2022  
 Printed Name: Nelson Velez Title: Environmental Specialist – Adv

## Spill Closure Report

### Dugan Production Corp.

Ross Federal #1

30-045-22484

On 7/7/2021 Dugan Production personnel discovered a produced water spill located at the Ross Federal #1. Dugan personnel determined the cause of the leak was a hole in the 400 bbl produced water storage tank. A water truck was used to recover as much fluid as possible. A fence and berm were constructed in an effort to prevent harm to the public and the environment and prevent spreading the contamination elsewhere.

Dugan personnel spread 400 lbs of gypsum across the spill area to chemically treat the chlorides and remediate the soil.

On 8/26/2021 Dugan collected soil samples to verify the effectiveness of remedial efforts. Prior to sampling, notice was given to OCD and BLM personnel. Sampling results indicate the spill has been remediated.

Maps, reports and other documents demonstrating chain of sample custody, distance to groundwater, water source wells, homes etc., have been included as part of this report. In addition, pictures have been included as photographic evidence of remedial efforts.

**To:** Tyra Feil

Kevin Smaka  
RE: Notice of spill remediation sampling

**From:** Kevin Smaka  
**Sent:** Friday, August 20, 2021 11:43 AM  
**To:** 'Smith, Cory, EMNRD' <Cory.Smith@state.nm.us>; 'aadeloye@blm.gov' <aadeloye@blm.gov>  
**Cc:** Marty Foutz <Marty.Foutz@duganproduction.com>; Carlos Ramos <Carlos.Ramos@duganproduction.com>; Luke Durham <Luke.Durham@duganproduction.com>; Kelly Miller <Kelly.Miller@duganproduction.com>; Curtis Davis <Curtis.Davis@duganproduction.com>  
**Subject:** Notice of spill remediation sampling

Dugan Production plans to sample soils at several locations where spills have been remediated.

The locations are listed below:

Poles Paradise #90S  
API # 30-045-32450  
E-09-30N-14W    2075 FNL    1235 FWL

Moncrief #100  
API 30-045-35235  
A-02-30N-13W    Lot: 1 990 FNL    680 FEL

Ross Federal #1  
API# 30-045-22484  
A-04-26N-13W    Lot: 1 990 FNL    1190 FEL

January Jamboree #1  
API # 30-045-31229  
L-31-24N-09W    Lot: 3 1825 FSL    715 FWL

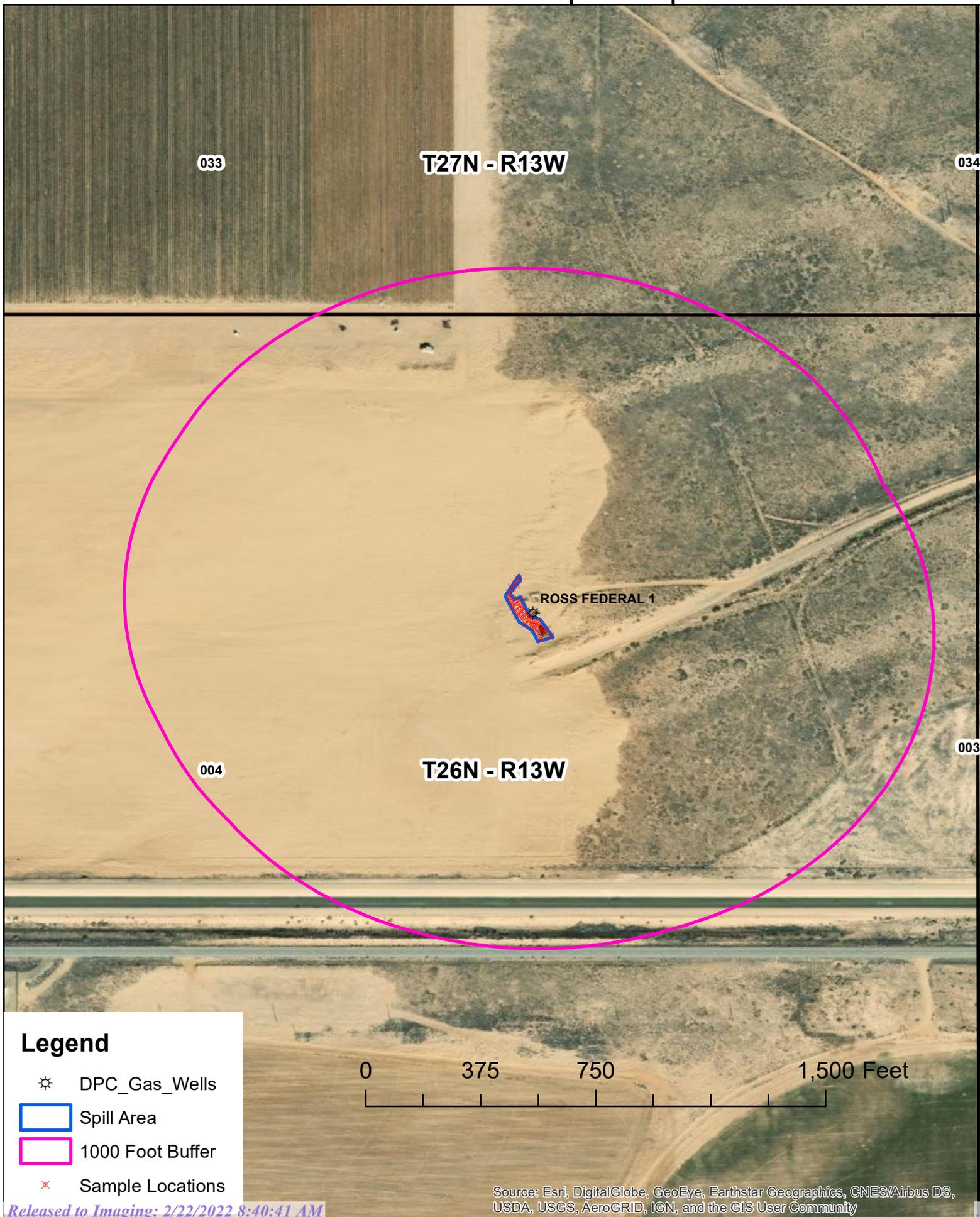
Anabel B #1  
API# 30-045-26527  
K-27-25N-08W    1860 FSL    1680 FWL

Dugan will sample the soils at these locations on Thursday, 8/26/21, starting at 9:00 AM. We will begin at the Poles Paradise #90S.

Should you have questions please contact me,

Kevin Smaka P.E.  
Regulatory Engineer  
Dugan Production Corp.  
505-486-6207

# Ross Federal #1 Spill Map



## Legend

- ☼ DPC\_Gas\_Wells
- ▭ Spill Area
- ▭ 1000 Foot Buffer
- ☼ Sample Locations

0 375 750 1,500 Feet

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

# Ross Federal #1 Spill Map



## Legend

⚙ DPC\_Gas\_Wells

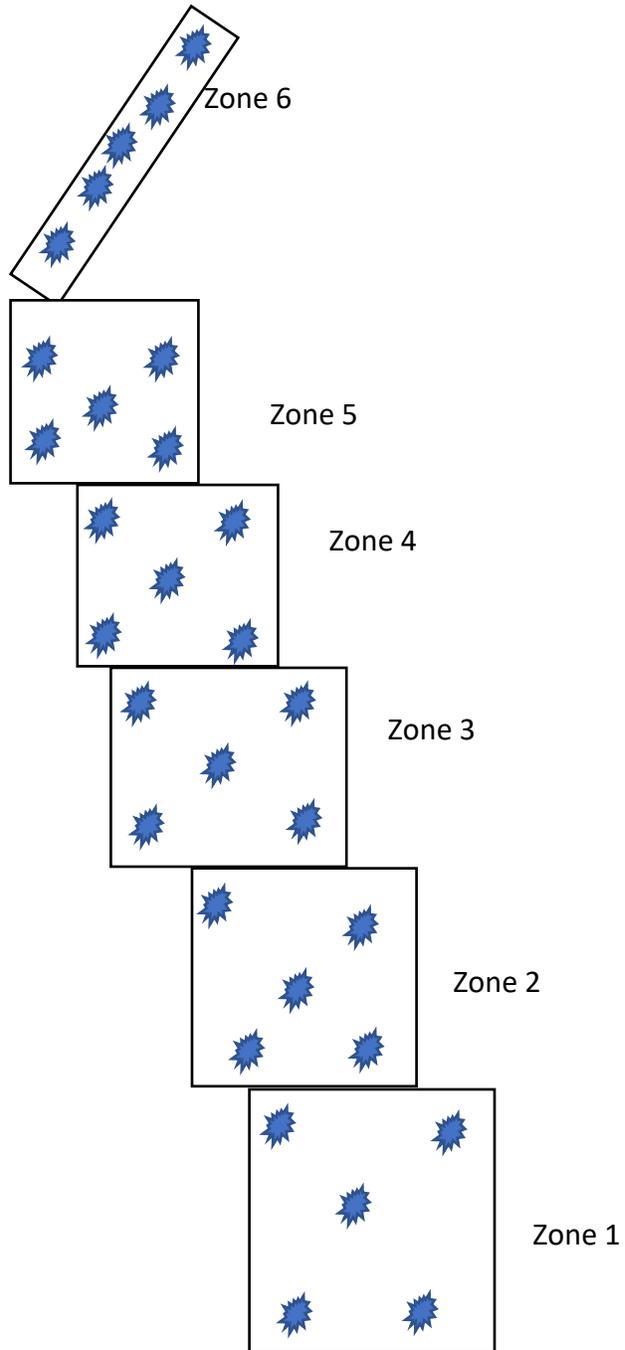
▭ Spill Area

× Sample Locations

0 80 160 320 Feet

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Soil Sampling Diagram





# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

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No records found.

**Basin/County Search:**

**Basin:** San Juan

**PLSS Search:**

**Section(s):** 4

**Township:** 26N

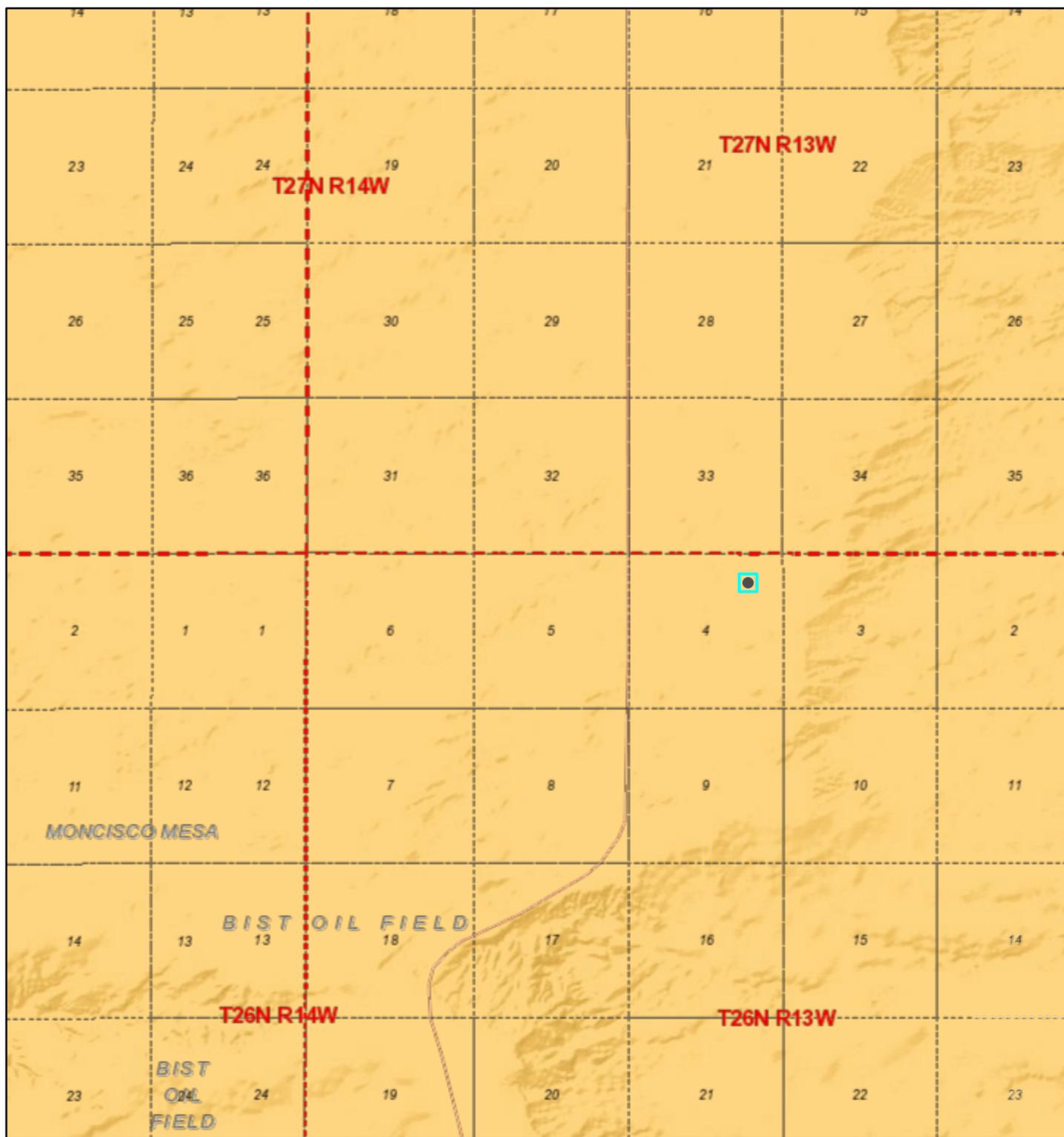
**Range:** 13W

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

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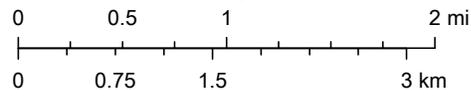
# Active Mines in New Mexico



9/9/2021, 1:42:14 PM

1:72,224

- 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

# National Flood Hazard Layer FIRMette



108°13'29"W 36°31'33"N



## Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) <i>Zone A, V, A99</i>
		With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i>
		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 <i>Zone X</i>
		Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i>
		Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i>
		Area with Flood Risk due to Levee <i>Zone D</i>

OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i>
		Effective LOMRs

GENERAL STRUCTURES		Area of Undetermined Flood Hazard <i>Zone D</i>
		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall

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

MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



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 9/9/2021 at 3:39 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.































Report to:  
Kevin Smaka



# 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

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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.



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 regarding 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](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto: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  
[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

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

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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## Sample Summary

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Spill Sampling Project Number: 06094-0177 Project Manager: Kevin Smaka	<b>Reported:</b> 09/03/21 15:12
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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. PO Box 420 Farmington NM, 87499	Project Name: Spill Sampling Project Number: 06094-0177 Project Manager: Kevin Smaka	<b>Reported:</b> 9/3/2021 3:12:17PM
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**Ross 1**

**E108107-07**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>		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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.4 %	70-130	08/30/21	09/01/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: RKS		Batch: 2136007
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/30/21	09/01/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.0 %	70-130	08/30/21	09/01/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		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	
<i>Surrogate: n-Nonane</i>		108 %	50-200	09/02/21	09/02/21	
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: AC		Batch: 2136008
Chloride	ND	20.0	1	08/30/21	08/31/21	



### Sample Data

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Spill Sampling Project Number: 06094-0177 Project Manager: Kevin Smaka	<b>Reported:</b> 9/3/2021 3:12:17PM
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**Ross 2**

**E108107-08**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		96.9 %	70-130	08/30/21	09/01/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2136007
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/30/21	09/01/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.7 %	70-130	08/30/21	09/01/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
		109 %	50-200	09/02/21	09/02/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: AC		Batch: 2136008
Chloride	ND	20.0	1	08/30/21	08/31/21	



## Sample Data

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

## E108107-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.9 %	70-130	08/30/21	09/01/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2136007
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/30/21	09/01/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.5 %	70-130	08/30/21	09/01/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	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	
<i>Surrogate: n-Nonane</i>		98.4 %	50-200	09/02/21	09/02/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: AC		Batch: 2136008
Chloride	ND	20.0	1	08/30/21	08/31/21	



## Sample Data

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Spill Sampling Project Number: 06094-0177 Project Manager: Kevin Smaka	<b>Reported:</b> 9/3/2021 3:12:17PM
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## Ross 4

## E108107-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		95.0 %	70-130	08/30/21	09/01/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2136007
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/30/21	09/01/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.2 %	70-130	08/30/21	09/01/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	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	
<i>Surrogate: n-Nonane</i>		111 %	50-200	09/02/21	09/02/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: AC		Batch: 2136008
Chloride	ND	20.0	1	08/30/21	08/31/21	



### Sample Data

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Spill Sampling Project Number: 06094-0177 Project Manager: Kevin Smaka	<b>Reported:</b> 9/3/2021 3:12:17PM
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**Ross 5**

**E108107-11**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	08/30/21	09/01/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2136007
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/30/21	09/01/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.0 %	70-130	08/30/21	09/01/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	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	
<i>Surrogate: n-Nonane</i>						
		110 %	50-200	09/02/21	09/03/21	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: AC		Batch: 2136008
Chloride	ND	20.0	1	08/30/21	08/31/21	



### Sample Data

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Spill Sampling Project Number: 06094-0177 Project Manager: Kevin Smaka	<b>Reported:</b> 9/3/2021 3:12:17PM
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**Ross 6**

**E108107-12**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	08/30/21	09/01/21	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2136007
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/30/21	09/01/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.7 %	70-130	08/30/21	09/01/21	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	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	
<i>Surrogate: n-Nonane</i>		105 %	50-200	09/02/21	09/03/21	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: AC		Batch: 2136008
Chloride	ND	20.0	1	08/30/21	08/31/21	



### QC Summary Data

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Spill Sampling Project Number: 06094-0177 Project Manager: Kevin Smaka	<b>Reported:</b> 9/3/2021 3:12:17PM
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#### Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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#### 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. PO Box 420 Farmington NM, 87499	Project Name: Spill Sampling Project Number: 06094-0177 Project Manager: Kevin Smaka	<b>Reported:</b> 9/3/2021 3:12:17PM
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#### Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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#### 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. PO Box 420 Farmington NM, 87499	Project Name: Spill Sampling Project Number: 06094-0177 Project Manager: Kevin Smaka	<b>Reported:</b> 9/3/2021 3:12:17PM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**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. PO Box 420 Farmington NM, 87499	Project Name: Spill Sampling Project Number: 06094-0177 Project Manager: Kevin Smaka	<b>Reported:</b> 9/3/2021 3:12:17PM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**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. PO Box 420 Farmington NM, 87499	Project Name: Spill Sampling Project Number: 06094-0177 Project Manager: Kevin Smaka	<b>Reported:</b> 9/3/2021 3:12:17PM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**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: <i>n</i> -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: <i>n</i> -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: <i>n</i> -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: <i>n</i> -Nonane	41.2		50.0		82.3	50-200			



### QC Summary Data

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Spill Sampling Project Number: 06094-0177 Project Manager: Kevin Smaka	<b>Reported:</b> 9/3/2021 3:12:17PM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**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: <i>n</i> -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: <i>n</i> -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: <i>n</i> -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: <i>n</i> -Nonane	58.0		50.0		116	50-200			



### QC Summary Data

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Spill Sampling Project Number: 06094-0177 Project Manager: Kevin Smaka	<b>Reported:</b> 9/3/2021 3:12:17PM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**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: <i>n</i> -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: <i>n</i> -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: <i>n</i> -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: <i>n</i> -Nonane	46.7		50.0		93.4	50-200			



### QC Summary Data

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Spill Sampling Project Number: 06094-0177 Project Manager: Kevin Smaka	<b>Reported:</b> 9/3/2021 3:12:17PM
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#### Anions by EPA 300.0/9056A

Analyst: AC

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**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. PO Box 420 Farmington NM, 87499	Project Name: Spill Sampling Project Number: 06094-0177 Project Manager: Kevin Smaka	<b>Reported:</b> 9/3/2021 3:12:17PM
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#### Anions by EPA 300.0/9056A

Analyst: AC

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**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. PO Box 420 Farmington NM, 87499	Project Name: Spill Sampling Project Number: 06094-0177 Project Manager: Kevin Smaka	<b>Reported:</b> 09/03/21 15:12
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- 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.

Client: <u>DUGAN</u> Project: <u>Soil Sampling</u> Project Manager: <u>Kevin Smaka</u> Address: _____ City, State, Zip _____ Phone: _____ Email: _____ Report due by: _____					<b>Bill To</b> Attention: _____ Address: _____ City, State, Zip _____ Phone: _____ Email: _____					<b>Lab Use Only</b> Lab WO# <u>E108107</u> Job Number <u>00094-077</u> Analysis and Method _____ DRO/DRO by 8015 _____ GRO/DRO by 8015 _____ BTEX by 8021 _____ VOC by 8260 _____ Metals 6010 _____ Chloride 300.0 _____ <u>BGDOC</u>					<b>TAT</b> 1D _____ 2D _____ 3D _____ Standard <input checked="" type="checkbox"/>			<b>EPA Program</b> CWA _____ SDWA _____ RCRA _____ State _____ NM <input checked="" type="checkbox"/> CO _____ UT _____ AZ _____ TX _____			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	1D	2D	3D	Standard	CWA	SDWA	RCRA	State	Remarks	
9:40	8-26	S	1	Poles 1	1																
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																
<b>Additional Instructions:</b>																					
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.												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) <u>[Signature]</u>		Date <u>8-27</u>	Time <u>9:10</u>	Received by: (Signature) <u>[Signature]</u>		Date <u>8/27/21</u>	Time <u>9:53</u>	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N													
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 _____ T2 _____ T3 _____													
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C <u>4</u>													
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.																					

Project Information

Chain of Custody

Client: <u>DUGAN</u>	<b>Bill To</b>	<b>Lab Use Only</b>	<b>TAT</b>			<b>EPA Program</b>				
Project: <u>Spill Sampling</u>	Attention: _____	Lab WO# <u>E108107</u>	Job Number <u>000940177</u>	1D	2D	3D	Standard	CWA	SDWA	
Project Manager: _____	Address: _____	Analysis and Method								
Address: _____	City, State, Zip _____	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	State		
City, State, Zip _____	Phone: _____							NM	CO	
Phone: _____	Email: _____							UT	AZ	
Email: _____	Report due by: _____							TX		

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	Remarks
12:20	8-26	S	1	Ross 5	11							
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							
<del>3:30</del>	<del>8-26</del>	<del>S</del>	<del>1</del>	<del>January 5</del>	<del>17</del>							
2:20	8-26	S	1	Anabel NT	17							
2:20	8-26	S	1	Anabel <del>82</del> N2	18							
2:20	8-26	S	1	Anabel <del>3</del> S1	19							
2:20	8-26	S	1	Anabel <del>4</del> 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.						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.					
Sampled by: <u>[Signature]</u>											
Relinquished by: (Signature) <u>[Signature]</u>	Date 8-27	Time 9:10	Received by: (Signature) <u>[Signature]</u>	Date 8/27/21	Time 9:53	Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>					
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						

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 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Carrier: Kevin Smaka

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

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? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 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 filtration 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

Empty box for client instruction.

Comments/Resolution

Large empty box for comments/resolution.

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

Date



envirotech Inc.

**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  
 Action 47347

**CONDITIONS**

Operator: DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	OGRID: 6515
	Action Number: 47347
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
nvelez	None	2/22/2022