

Dugan Production Corp

Site Characterization and Remediation Closure Report

Tsah Tah 4 # 001

30-045-34672

A-04-24N-10W

1302 FNL 1177 FEL

Incident ID: nAPP2323357024

Introduction

Definitions

Remediation:

The containment, removal, or stabilization of contaminants from soil, significant water courses, and groundwater.

Reclamation:

Perform backfilling, compacting, and stabilizing to prevent erosion and ponding of water in impacted areas and reclaiming those areas to contain non-waste containing material based on final land use. OR a soil cover approved by federal, state, or tribal agencies on land managed or owned by those agencies that provide equal to or better protection of fresh water, human health, or the environment.

Sensitive receptors:

As defined by State Trust Land: include groundwater, continuously flowing or significant watercourse, lakebed, sinkhole, playa lake, spring, drinking water source, or wetland; or any regularly occupied structure including school, daycare, church, clinic, or residence; or any threatened, endangered, or sensitive wildlife or plant species habitat; or cave or other critical karst features; or sensitive soils.

Site Description and Background

Operator:	Dugan Production Corp.
Site Name:	Tsah Tah 4 # 001 (08/21/2023) (On-Site)
NM EMNRD OCD Incident ID No.	nAPP2323357024
Location:	36.3468285° North, 107.8967361° West Unit Letter A, Section 04, Township 24N, Range 10W San Juan County, New Mexico
Property:	Federal
Regulatory:	New Mexico (NM) Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD); Bureau of Land Management (BLM)

On August 21, 2023, a Dugan Operator discovered a produced water spill which affected 2,568 square feet of surface at the Tsah Tah 4 # 001. The spill was caused by corrosion in the water pipeline. Initial response efforts focused on repairing the damaged section of the pipe and ensuring no waste caused further damage to the environment, wildlife or the public.

Project Objective

The project objective was to reduce environmental contaminants to a safe level per the requirements of the NM OCD NMAC 19.15.29 and the NMSLO ECO CPP (NMAC 19.2.24) Rules.

Closure Criteria

The Site is subject to regulatory oversight by the NM EMNRD OCD and BLM. Dugan Production Corp referenced 19.15.29 New Mexico Administrative Code (NMAC) and the BLM NT-3A MUE regulations which establishes investigation, abatement action, remediation, and reclamation requirements for oil and gas release sites that are subject to reporting and/or corrective action, during the evaluation and remediation of the Site. The appropriate closure criteria for sites are determined using the citing requirements outlined in Paragraph (4) of Subsection C of 19.15.29.12 NMAC and Subsection D of 19.2.24 NMAC. Dugan utilized the general site characteristics and information available from NM state agency databases and federal agency geospatial databases to determine the appropriate closure criteria for the Site. Supporting figures and documentation associated with the following data collection information are provided in **Appendix B**.

- The New Mexico Office of the State Engineer (NMOSE) tracks the usage and assignment of water rights and water well installations and records this information in the Water Rights Reporting System (WRRS) database. A search was conducted for Section 04, Township 24N, and Range 10W, and no data existed. The search was expanded to include all sections of township 24N and Range 09W, and township 25N and range 10W which provided data for Five water wells. The depth to water of the closest well to the Site was 430 feet and the five well average is 389 feet (**Appendix B: Figure A**).
- The New Mexico Office of the State Engineer (NMOSE) provides an interactive mapping program, OSE POD Locations, which maps points of diversion (PODs). The PODs are each assigned POD numbers in the database which contains depth to water information. Utilizing this tool, one water well approximately 2.3 miles from the Site, has a recorded depth to water of 430 feet was located (**Appendix B: Figure B and Figure C**).
- The USGS Water Resources database provides data for groundwater levels for New Mexico using a mapping program which identifies water wells. A water well is located 2,936.8 feet from the Site, has a depth to water of 916.85 feet as of May of 2019 (**Appendix B: Figure D**).
- The Site is not located within 300 feet of a NM EMNRD OCD – defined continuously flowing watercourse or significant watercourse (**Appendix A: Map 3**).
- The Site is not located within 200 feet of a lakebed, sinkhole, or playa lake (**Appendix A: Map 2**).
- The Site is not located within 300 feet of a permanent residence, school, hospital, institution, or church (**Appendix A: Map 8**).
- No Springs, or private domestic freshwater wells used by less than five households for domestic or stock watering purposes were identified within 500 feet of the Site (**Appendix A: Map 2**).

- No freshwater wells or springs were identified within 1,000 feet of the Site (**Appendix A: Map 2**).
- The Site is not located within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to New Mexico Statutes Annotated (NMSA) 1978, Section 3-27-3 (**Appendix A: Map 9**).
- Based on information identified in the U.S. Fish & Wildlife Service National Wetlands Inventory Wetlands Mapper, the Site is not within 300 feet of a Wetland (**Appendix A: Map 9**).
- Based on information identified in the NM Mining and Minerals Divisions Geographic Information System (GIS) Maps and Mine Data database, the Site is not within an area overlying a subsurface mine (**Appendix A: Map 5**).
- The Site is not located within an unstable area per Paragraph (6) of Subsection U of 19.15.2.7 NMAC.
- Based on information provided by the Federal Emergency Management Agency (FEMA) National Flood Hazard Layer (NFHL) geospatial database, the Site is not within a 100-year floodplain (**Appendix A: Map 5**).

Based on the available information Dugan estimates the depth to water at the Site to be greater than 100 feet bgs, resulting in a Tier III ranking. Applicable closure criteria for soils remaining in place at the Site include:

Tier III Closure Criteria for Soils Impacted by a Release		
Constituent ¹	Method	Limit
Chloride	EPA 300.0 or SM4500 C1 B	20,000 mg/kg
TPH (GRO+DRO+MRO) ²	EPA SW-846 Method 8015M	2,500 mg/kg
GRO+DRO	EPA SW-846 Method 8015M	1,000 mg/kg
BTEX ³	EPA SW-846 Method 8021B or 8260B	50 mg/kg
Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

¹ - Constituent concentrations are in milligrams per kilogram (mg/kg).

² - Total Petroleum Hydrocarbons (TPH). Gasoline Range Organics (GRO). Diesel Range Organics (DRO). Mother Oil/Lube Oil Range Organics (MRO).

³ - Benzene, Toluene, Ethylbenzene, and Total Xylenes (BTEX).

Soil Remediation Plan

On August 24, 2023, Dugan initiated activities to remediate the petroleum hydrocarbon impact resulting from the produced water spill.

The produced water spill affected approximately 2,568 square feet of surface.

Dugan carried out the necessary remedial actions to break the flocculated crust of the soil by manually raking it for removal.

On January 22, 2025, Dugan collected nineteen soil samples after the remedial procedures were completed. The soil samples were collected to ensure Tier III criteria for soils impacted by a release standard was met, per Table 1 of Paragraph (2) of Subsection E of 19.15.29.12 NMAC.

Appendix A: Map 4 is a map identifying the approximate final soil sample locations and depicts the approximate dimensions of the spill area with respect to the well location. Photographic documentation of the remediation is included in **Appendix C**.

Soil Sampling

Dugan Production Corp. collected and submitted soil samples on January 22, 2025, to Envirotech located in Farmington, NM. All reported data in the analytical report from Envirotech were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted.

The soil sampling program includes the collection of nineteen composite soil samples (E501154-01 through E501154-19) from within and outside the spill perimeter for laboratory analysis. Hand tools were utilized to obtain soil samples from within and outside the spill perimeter. Regulatory correspondence is provided in **Appendix D: Figure 1**.

Sampling

On January 22, 2025, soil sampling was performed at the Site. The NM OCD was notified of the collection of samples which no representative was present during collection. Composite samples E501154-01 through E501154-07 were collected from the surface area within the spill perimeter. Composite sample E501154-08 was collected at a depth of six inches within the spill perimeter. Composite samples E501154: 12, 14, 16, and 18, were collected at a depth of six inches outside of the spill perimeter. Composite sample E501154-09 was collected at a depth of twelve inches within the spill perimeter. Composite samples E501154: 13, 15, 17, and 19 were collected at a depth of twelve inches outside of the spill perimeter. Composite sample E501154-10 was collected at a depth of eighteen inches within the spill perimeter. Composite sample E501154-11 was collected at a depth of twenty-four inches within the spill perimeter.

All soil samples were collected and placed in the laboratory prepared glassware. The containers were labeled and sealed using the laboratory supplied labels and custody seals were stored in ice in a cooler. The samples were relinquished to the custody of Envirotech in Farmington, NM, under proper chain-of-custody procedures.

Soil Laboratory Analytical Methods

The composite soil samples were analyzed for BTEX using Environmental Protection Agency (EPA) SW-846 Method 8021; TPH GRO/DRO/MRO using EPA SW-846 Method 8015; and chlorides using EPA Method 300.0.

The laboratory analytical results for the composite soil samples are summarized in **Appendix E: Table 1**. The laboratory data sheets and executed chain-of-custody forms for the initial samples are provided in **Appendix E: Figure A**.

Soil Data Evaluation

Dugan compared the benzene, BTEX, TPH, and chloride laboratory analytical results or laboratory practical quantitation limits (PQLs) / reporting limits (RLs) associated with the composite soil samples (E501154-01 through E501154-19) to the applicable NM EMNRD OCD closure criteria. The laboratory analytical results are summarized in (**Appendix E: Table 1**).

- The laboratory analytical results of the composite soil samples indicate benzene was not detected. The laboratory analytical results for all composite soil samples indicate total Benzene is not present at concentrations greater than NM EMNRD OCD closure criteria of 10 mg/kg.
- The laboratory analytical results of the composite soil samples indicate BTEX was not detected. The laboratory analytical results for all composite soil samples indicate total BTEX is not present at concentrations greater than the NM EMNRD OCD closure criteria of 50 mg/kg.
- The laboratory analytical results of the composite soil samples indicate combined GRO/DRO concentrations were not detected. The laboratory analytical results for all composite soil samples indicate total GRO/DRO is not present at concentrations greater than the NM EMNRD OCD closure criteria of 1,000 mg/kg.
- The laboratory analytical results of the composite soil samples indicate combined TPH GRO/DRO/MRO concentrations were not detected. The laboratory analytical results for all composite soil samples indicate total TPH GRO/DRO/MRO is not present at concentrations greater than the NM EMNRD OCD closure criteria of 2,500 mg/kg.
- The laboratory analytical results of the composite soil samples indicate chloride was not detected. The laboratory analytical results for all composite soil samples indicate total chloride is not present at concentrations greater than the NM EMNRD OCD closure criteria of NM EMNRD OCD closure criteria of 20,000 mg/kg.

The reclamation requirement in 19.15.29.13(D)(1) NMAC for chloride is less than 20,000 mg/kg, total TPH less than 2,500 mg/kg, total GRO/DRO less than 1,000 mg/kg, BTEX less than 50 mg/kg, and benzene less than 10 mg/kg in the top four feet. reclamation requirement in 19.15.29.13(D)(1) NMAC. There were 0 mg/kg chloride, TPH, BTEX, and benzene organics detected. **Please refer to Appendix E: Table 1** showing sampling results.

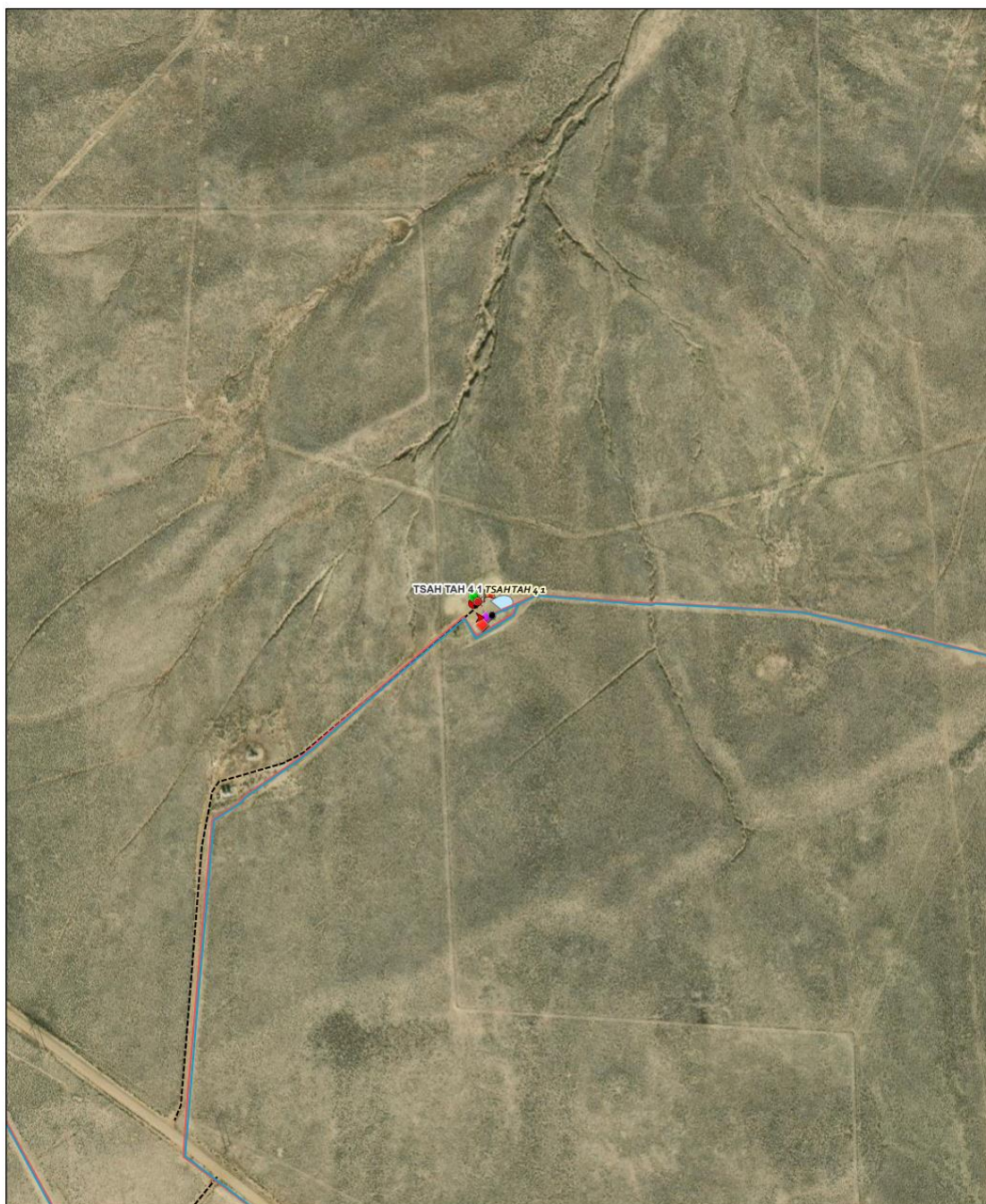
Reclamation

The area did not require reclamation, as the laboratory results from the composite soil samples confirm contaminants were not present. Dugan ensured the Site did not require soil treatment, re-contouring, or re-seeding of the spill area. Spill Site photos are included in **Appendix C**.

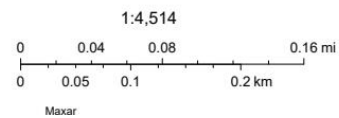
Appendix A: Maps and Site Diagrams

Map 1: Scaled Site Diagram

Tsah Tah 4 # 001 Site Map



1/21/2025, 6:34:06 AM

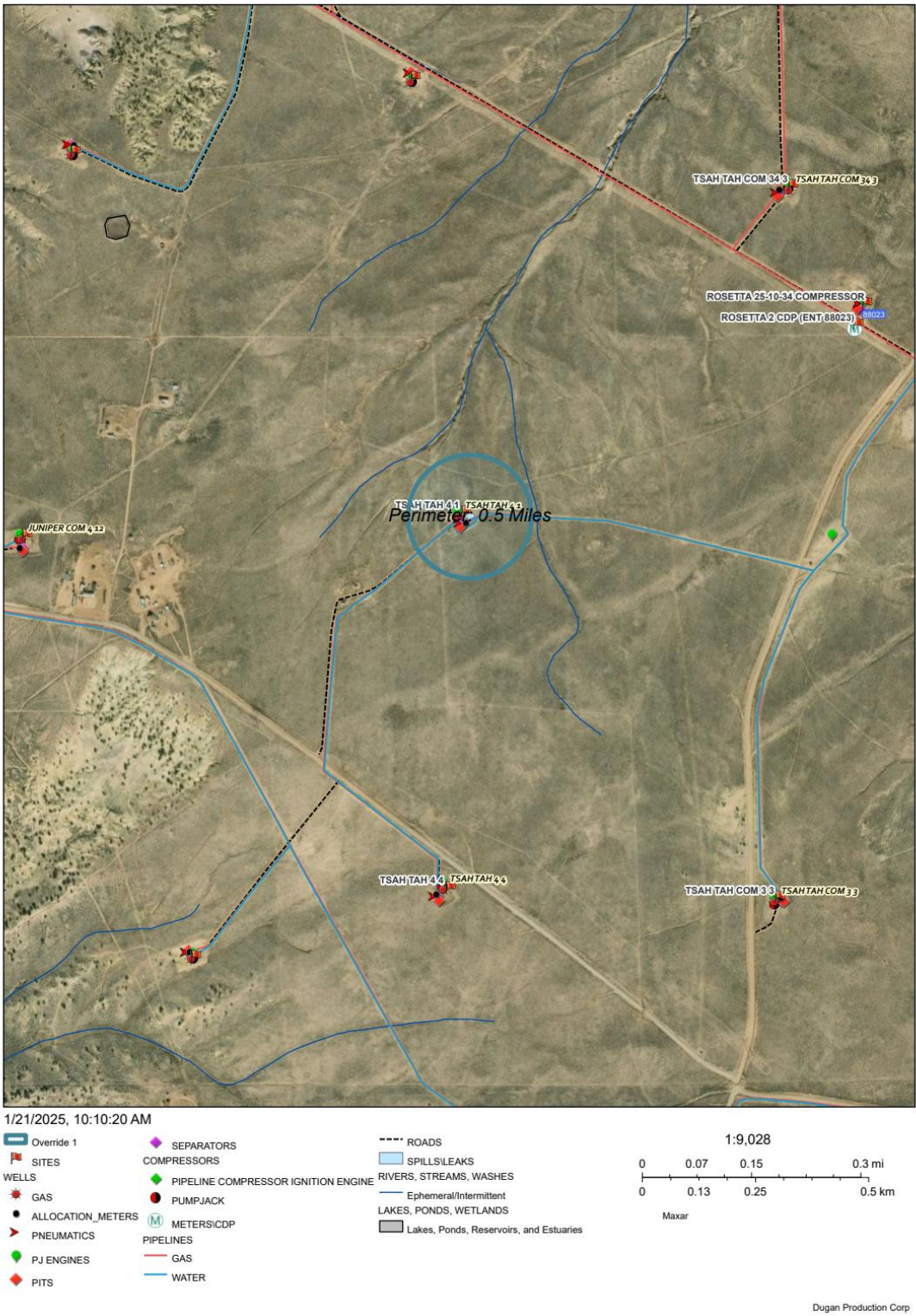


Dugan Production Corp

Appendix A: Maps and Site Diagrams

Map 2: Proximity Map

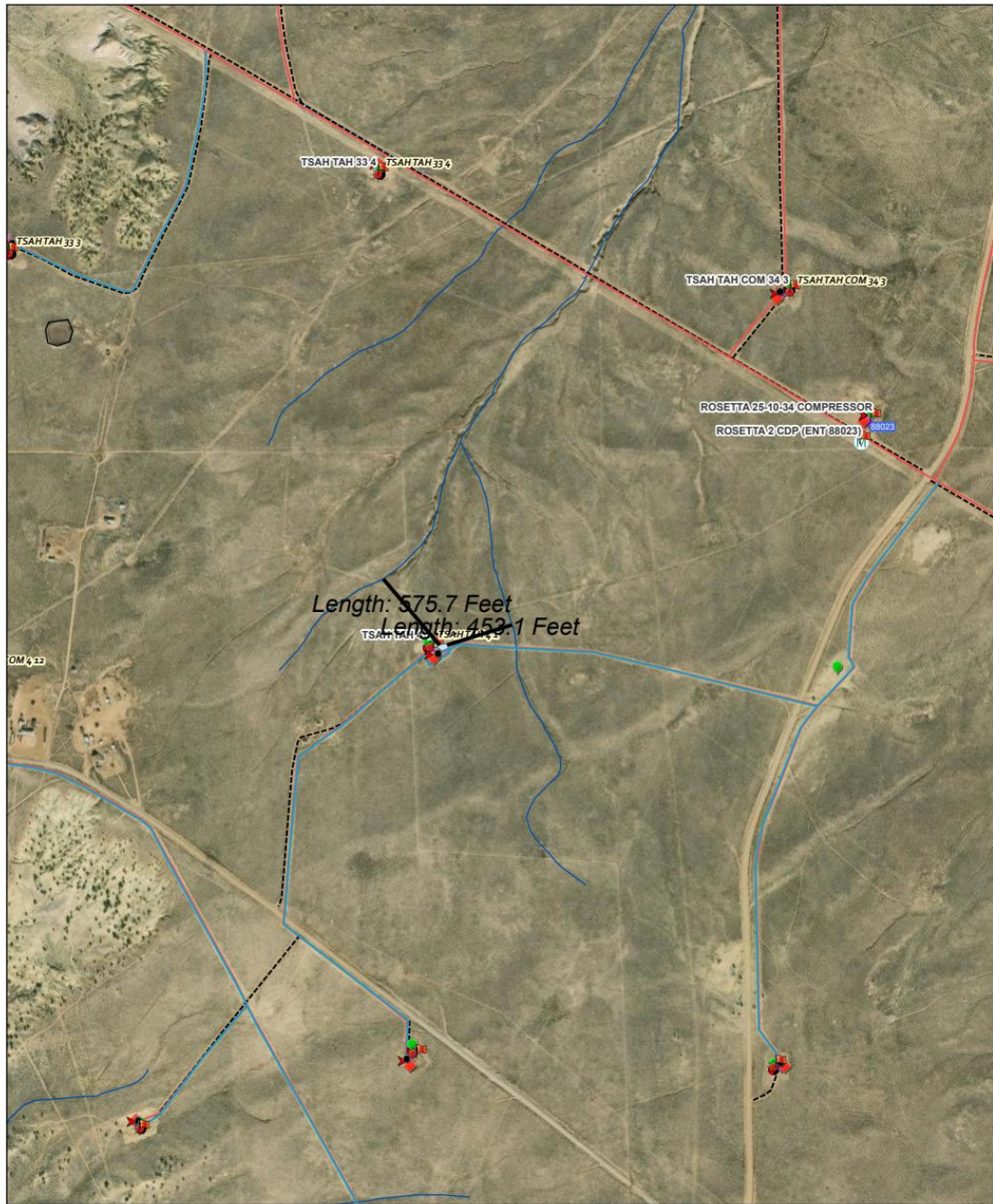
Tsah Tah 4 # 001 1/2 Mile Buffer Map



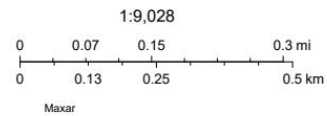
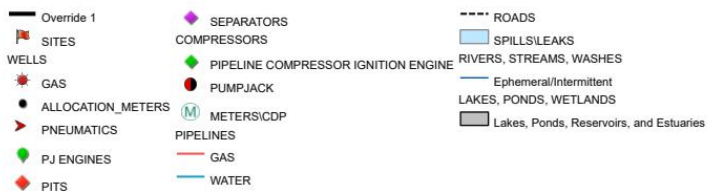
Appendix A: Maps and Site Diagrams

Map 3: Distance to Nearest Significant Watercourse

Tsah Tah 4 # 001 Distance to Watercourse Map



1/21/2025, 6:47:03 AM

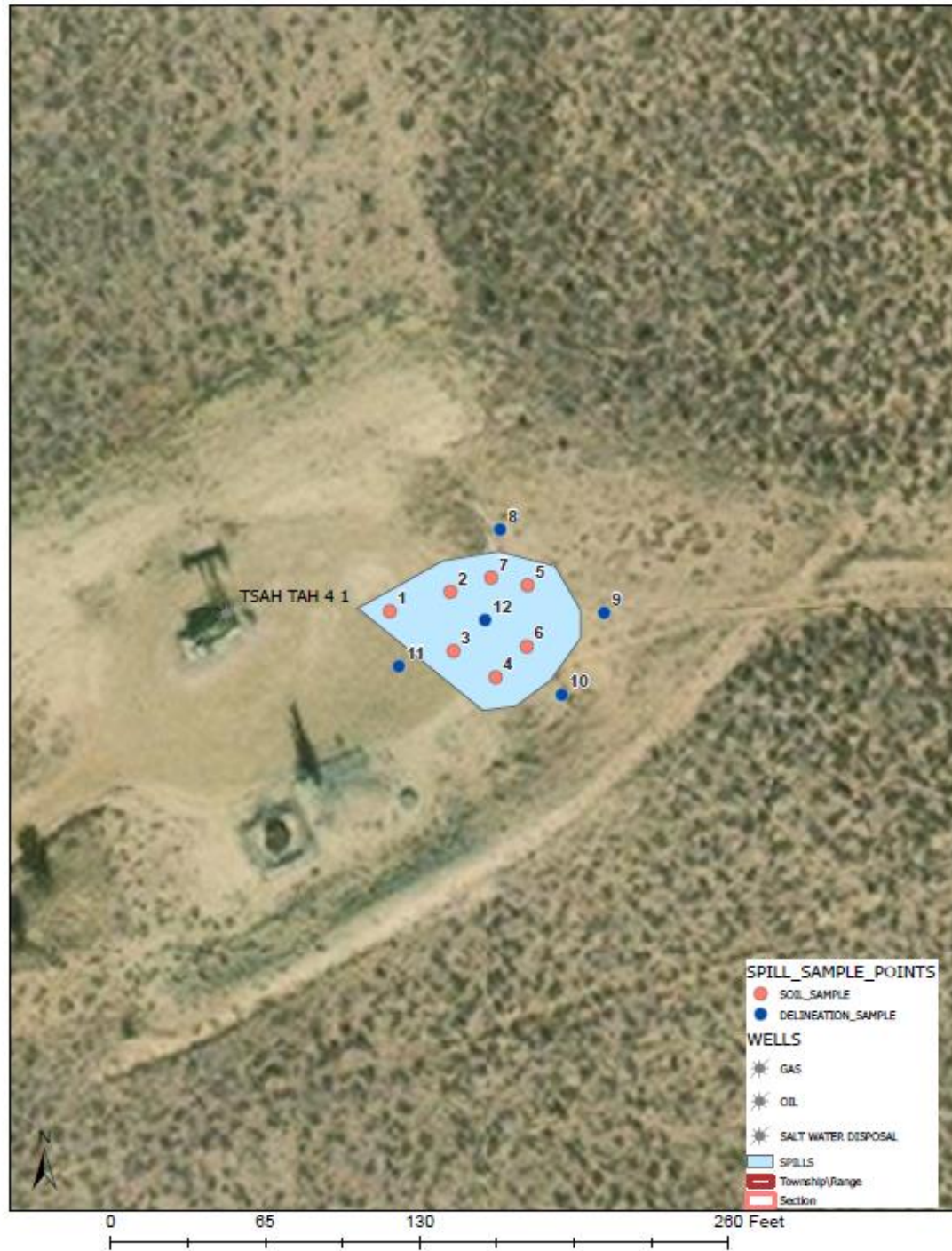


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Appendix A: Maps and Site Diagrams

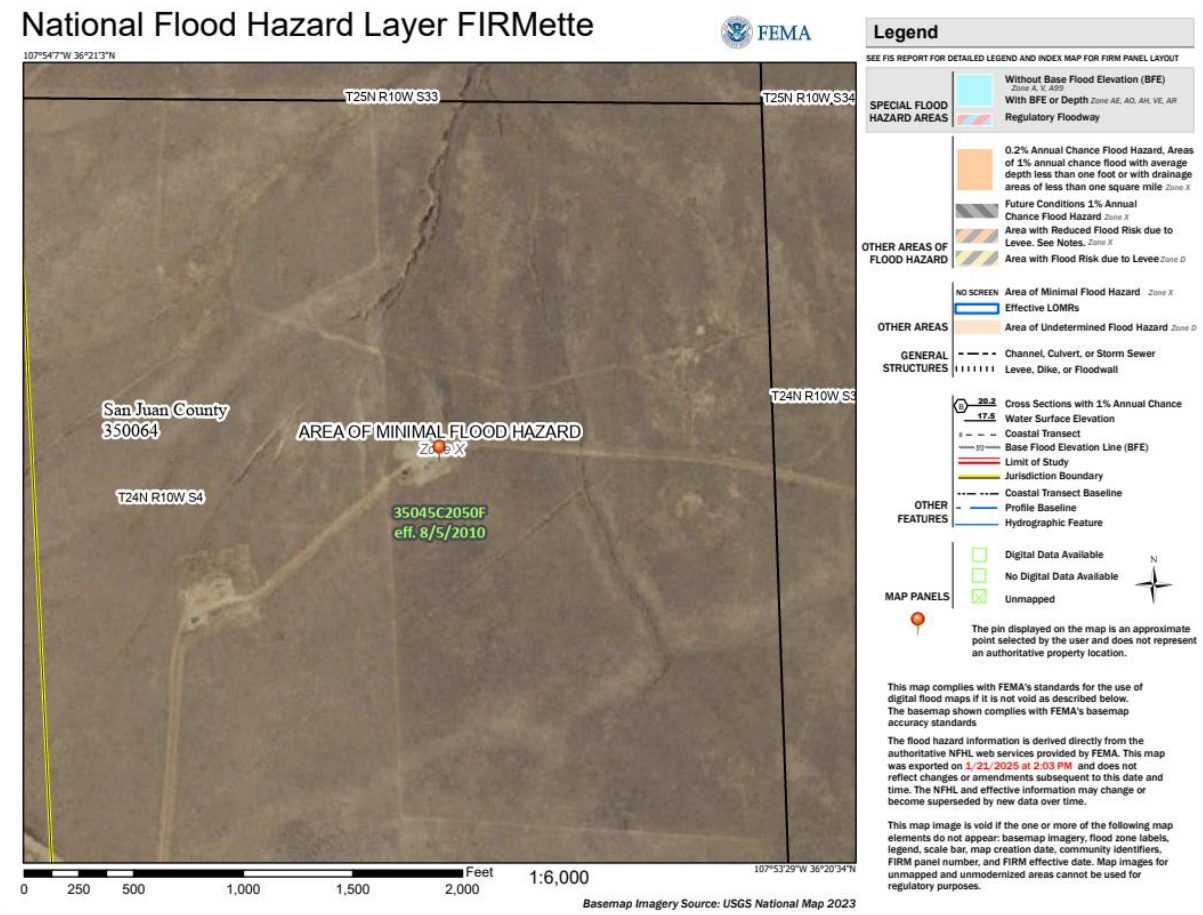
Map 4: Sampling Diagram

Tsah Tah 4-1 Sampling Diagram



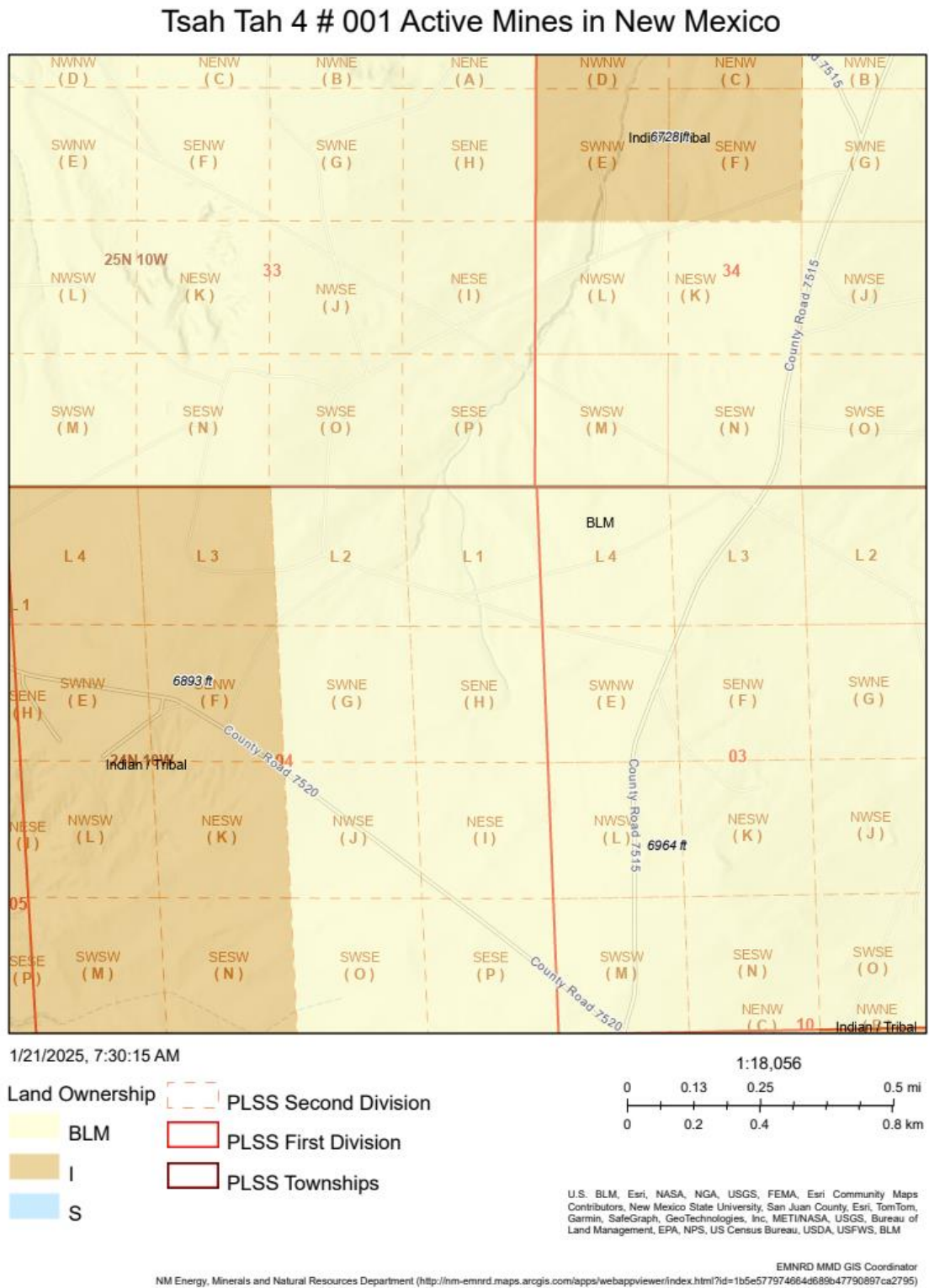
Appendix A: Maps and Site Diagrams

Map 5: Flood Plain Map



Appendix A: Maps and Site Diagrams

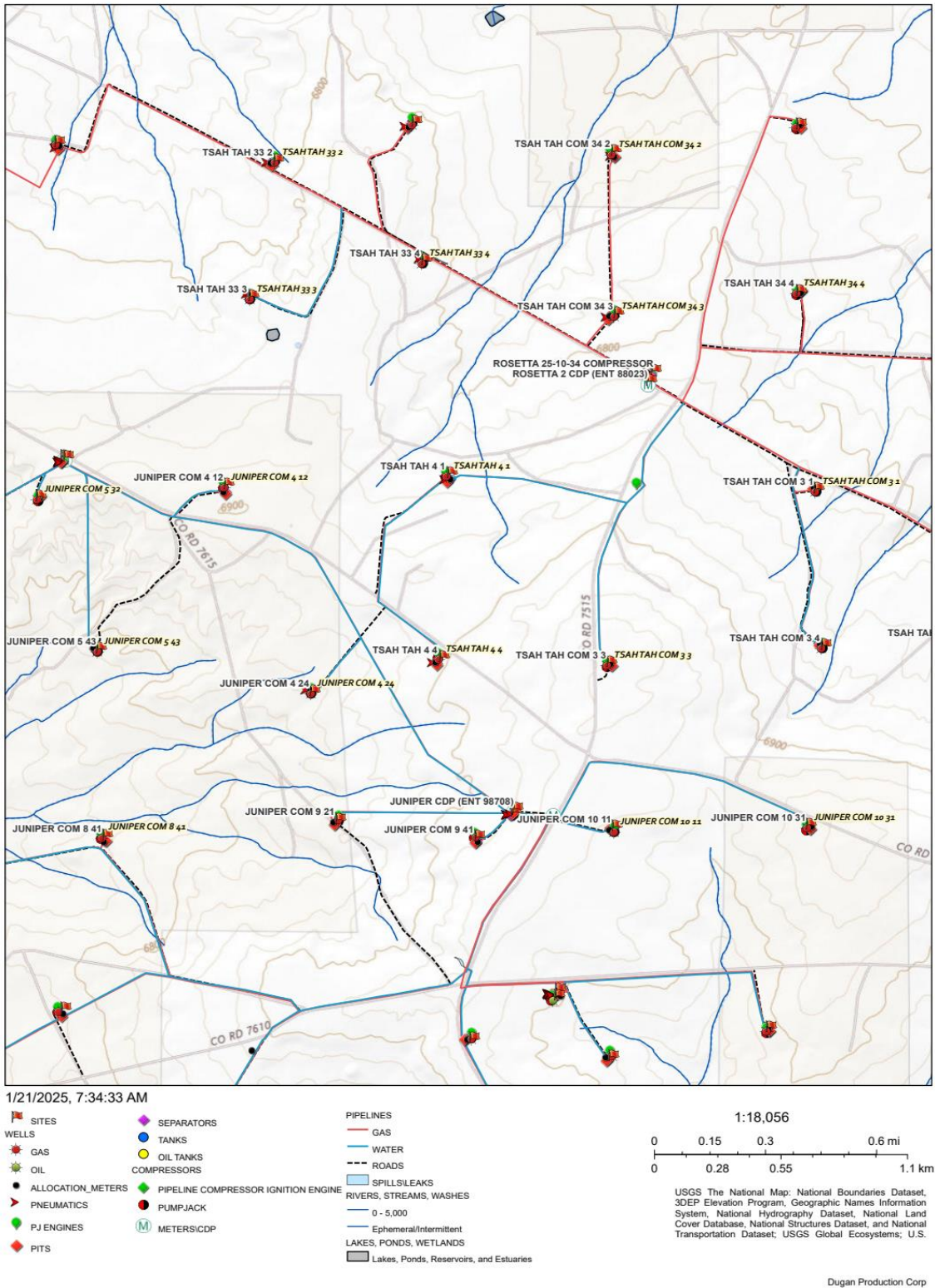
Map 6: Underground Mine Map



Appendix A: Maps and Site Diagrams

Map 7: Topo Map


























Tsah Tah 4 # 001 Topo Map



Map 8: Aerial View

[illegible]

LEGEND

 SITES	 SEPARATORS	 PIPELINES
 WELLS	 TANKS	 GAS
 GAS	 OIL TANKS	 WATER
 OIL	 COMPRESSORS	 ROADS
 ALLOCATION_METERS	 PIPELINE COMPRESSOR IGNITION ENGINE	 SPILLS/LEAKS
 PNEUMATICS	 PUMP/JACK	 RIVERS, STREAMS, WASHES
 PJ ENGINES	 Meters/CDP	 0 - 5,000
 PITS		 Ephemeral/Intermittent
		 LAKES, PONDS, WETLANDS
		 Lakes, Ponds, Reservoirs, and Estuaries

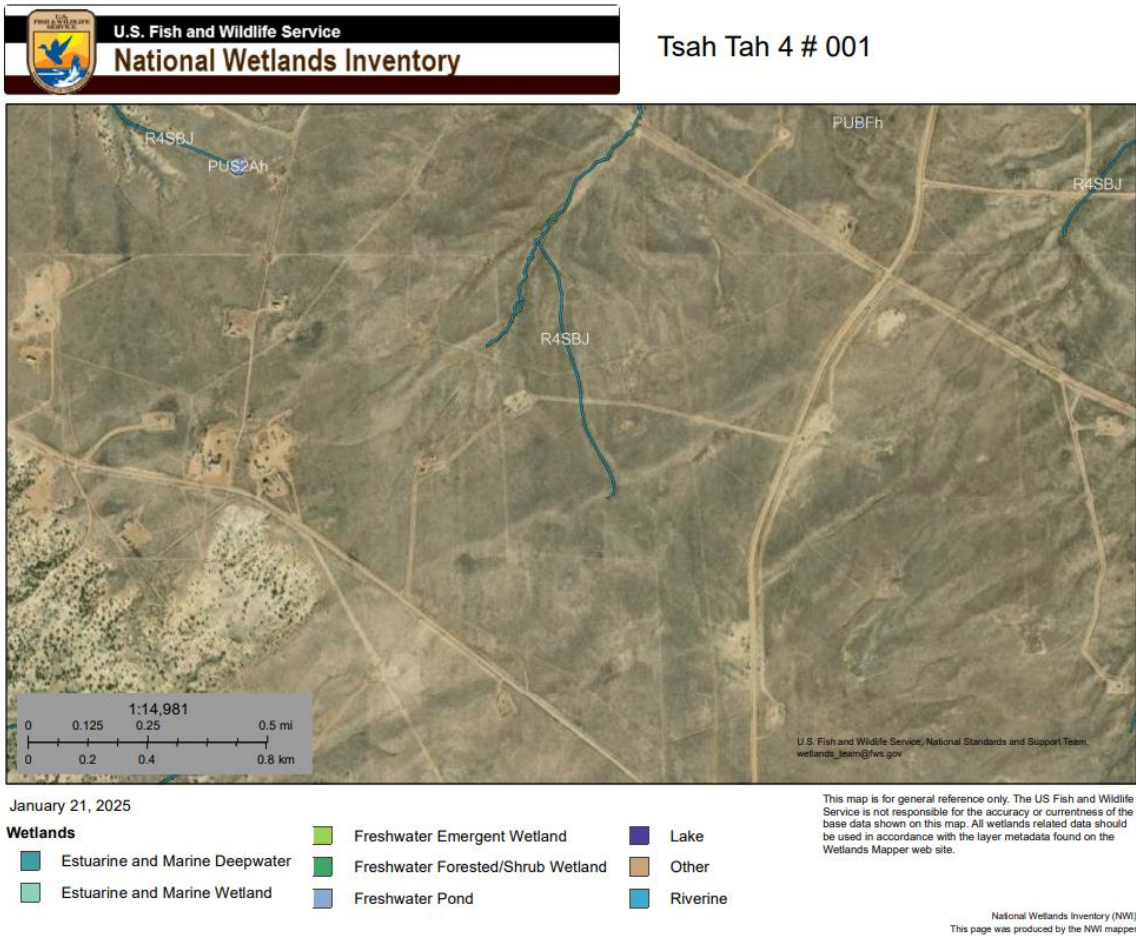
A number line with two scales. The top scale is labeled in miles (mi) with major tick marks at 0, 0.15, 0.3, and 0.6. The bottom scale is labeled in kilometers (km) with major tick marks at 0, 0.28, 0.55, and 1.1. The scales are aligned such that 0.15 miles corresponds to 0.28 kilometers, 0.3 miles corresponds to 0.55 kilometers, and 0.6 miles corresponds to 1.1 kilometers.

Maxar, Esri Community Maps Contributors, New Mexico State University, San Juan County, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc. METI/NASA, USGS, Bureau of Land Management, EPA, NPS, US Census Bureau, USDA, USFWS

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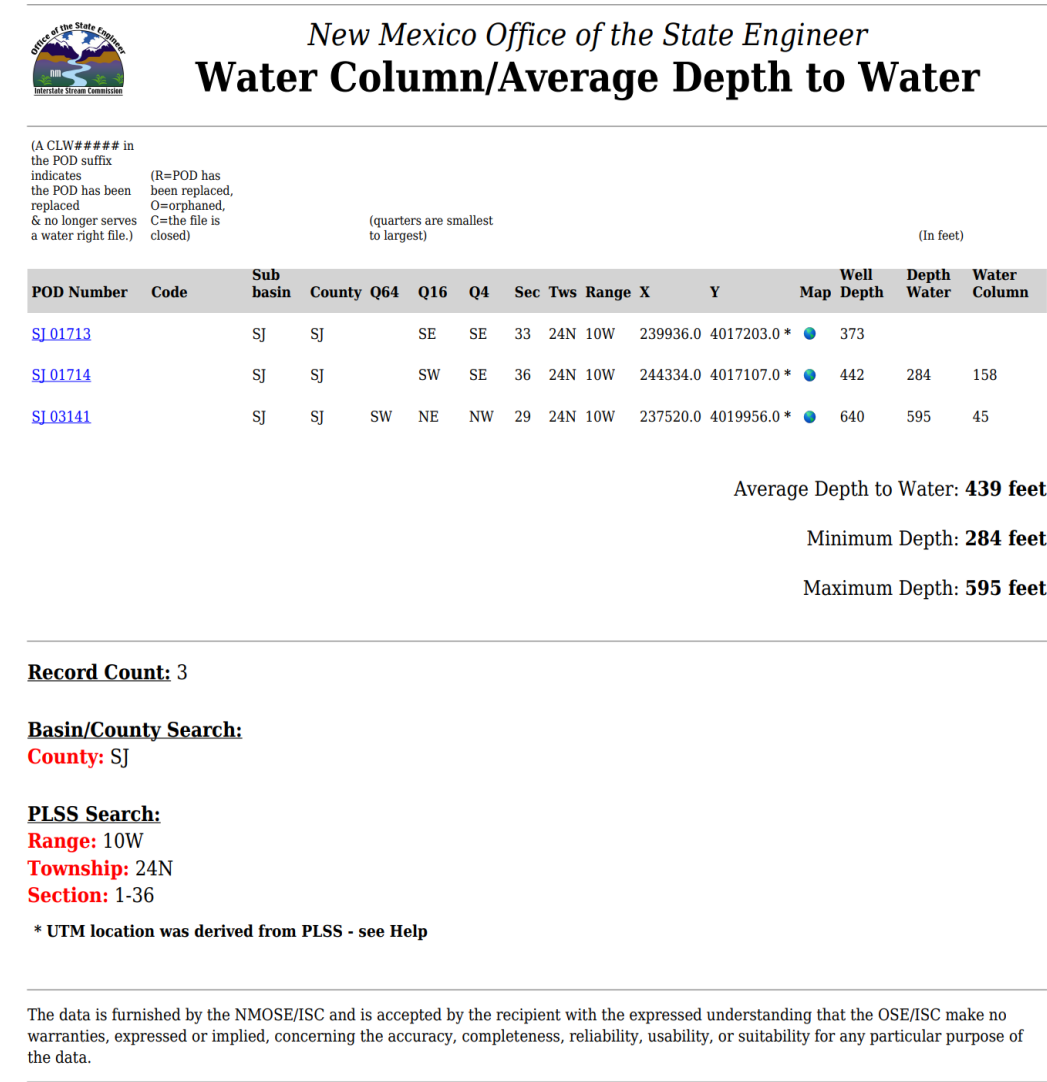
Appendix A: Maps and Site Diagrams

Map 9: Wetlands Map



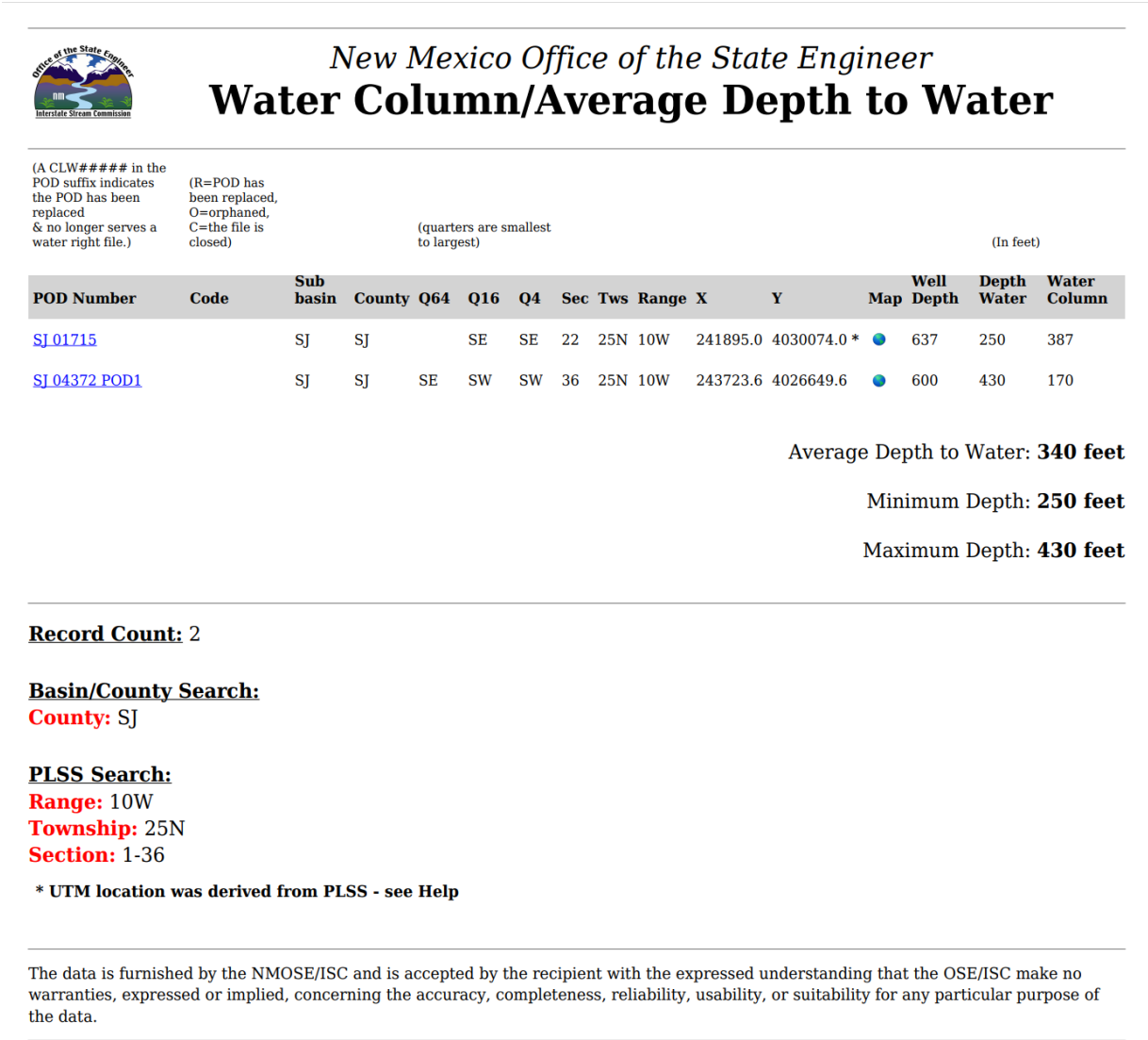
Appendix B: Tables and Figures

Figure A: iWaters Data T: 24N, R: 10W



Appendix B: Tables and Figures

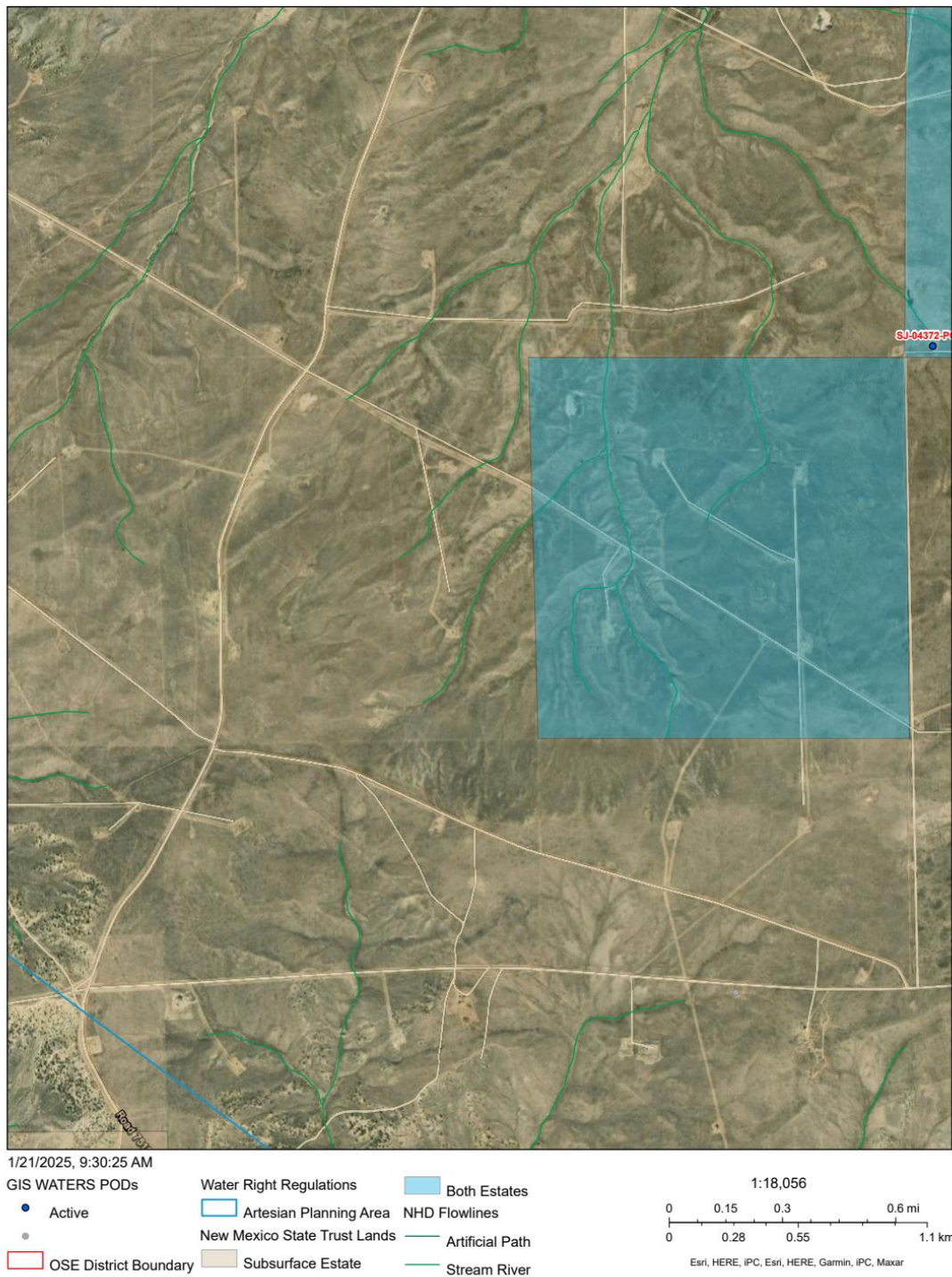
Figure B: iWaters Data T: 25N, R: 10W



Appendix B: Tables and Figures

Figure C: New Mexico Office of the State Engineer POD Locations Map

Tsah Tah 4 # 001 OSE POD Location Map



Online web user
This is an unofficial map from the OSE's online application.


Appendix B: Tables and Figures

Figure D: POD Summary for Nearest Water Well

Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE
quarters are smallest to largest

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
50056	SJ 04372 POD1	SE	SW	SW	36	25N	10W	243723.6	4026649.6	

* UTM location was derived from PLSS - see Help

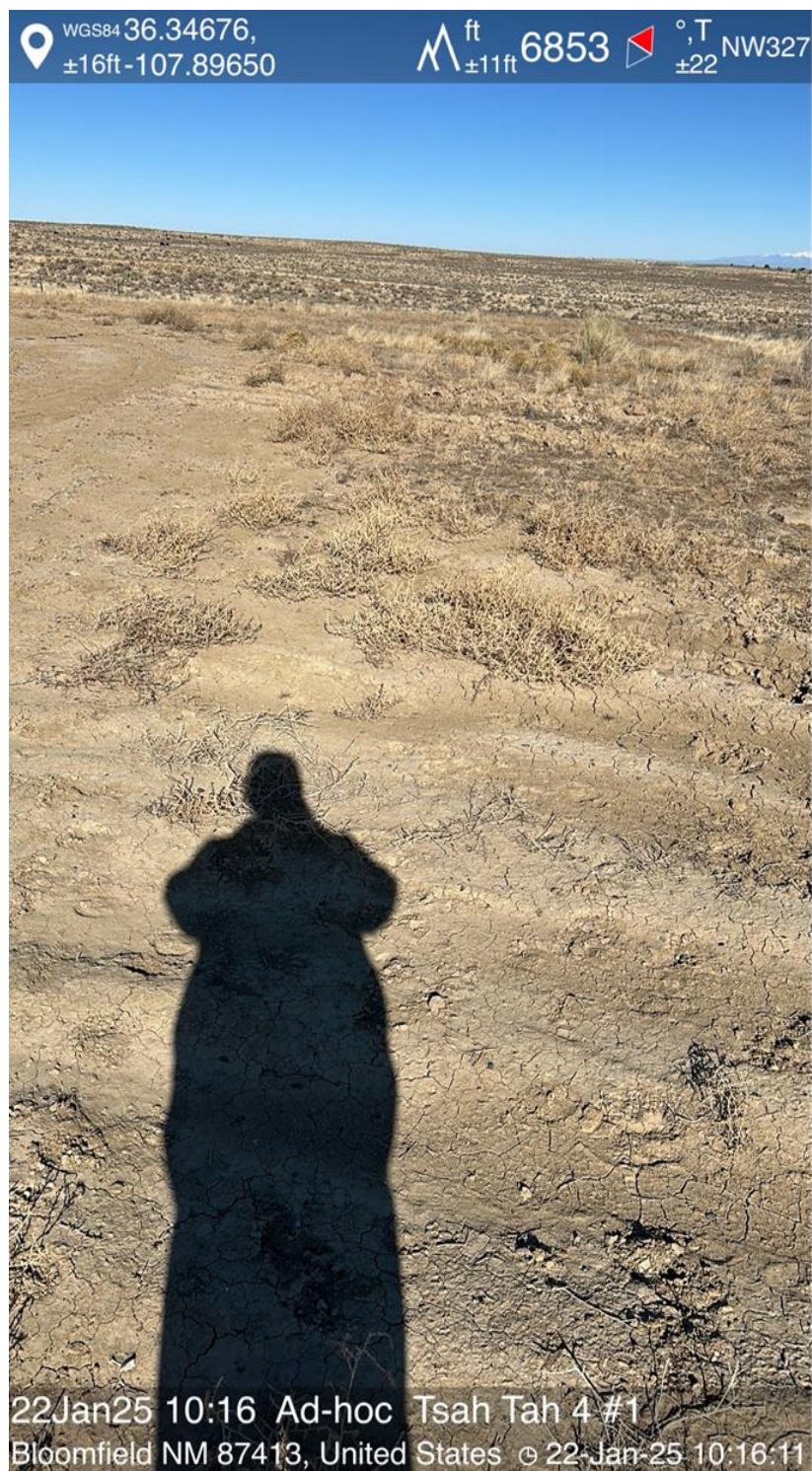
Driller License:	1357	Driller Company:	BAILEY DRILLING COMPANY		
Driller Name:	BAILEY, MARKMANLEN PAUL W.				
Drill Start Date:	2019-11-19	Drill Finish Date:	2019-12-05	Plug Date:	
Log File Date:	2019-12-16	PCW Rcv Date:		Source:	Shallow
Pump Type:		Pipe Discharge Size:		Estimated Yield:	25
Casing Size:	5.00	Depth Well:	600	Depth Water:	430

Figure E: USGS Data

USGS 362108107541201 25N.10W.33.34233				
San Juan County, New Mexico				
Latitude 36°21'08.06", Longitude 107°54'15.16" NAD83				
Land-surface elevation 6,845 feet above NAVD88				
The depth of the well is 5,398 feet below land surface.				
The depth of the hole is 5,450 feet below land surface.				
This well is completed in the Colorado Plateaus aquifers (N300COPLTS) national aquifer.				
Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface
1986-05-15		D	62610	
1986-05-15		D	62611	
1986-05-15		D	72019	846.00
2019-05-28	20:47 UTC	m	62610	
2019-05-28	20:47 UTC	m	62611	
2019-05-28	20:47 UTC	m	72019	916.85

Appendix C: Site Photos

Photo 1: Site Photo



Appendix C: Site Photos

Photo 2 : Site Photo



Appendix C: Site Photos

Photo 3 : Site Photo



Appendix C: Site Photos

Photo 4: Site Photo



Appendix C: Site Photos

Photo 5: Site Photo



Appendix D: Notifications

Figure 1: NM OCD C-141N Notification

OCD Permitting

Home > Operator Data > Action Status > Action Search Results > Action Status Item Details

[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	422352	Districts:	Aztec
Operator:	[6515] DUGAN PRODUCTION CORP	Counties:	San Juan
Description:	DUGAN PRODUCTION CORP [6515] , Tsah Tah 4 #1 , nAPP2323357024		
Status:	APPROVED		
Status Date:	01/20/2025		
References (2):	30-045-34672, nAPP2323357024		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	nAPP2323357024
Incident Name	NAPP2323357024 TSAH TAH 4 #1 @ 30-045-34672
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-045-34672] TSAH TAH 4 #001

Location of Release Source

Site Name	Tsah Tah 4 #1
Date Release Discovered	08/21/2023
Surface Owner	Federal

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	2,568
What is the estimated number of samples that will be gathered	20
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/22/2025
Time sampling will commence	10:00 AM
<div>Warning: Notification can not be less than two business days prior to conducting final sampling.</div>	
Please provide any information necessary for observers to contact samplers	For information on contacting samplers, please contact Kevin Smaka at 505-486-6207
Please provide any information necessary for navigation to sampling site	Lat. 36.346811, Long. -107.896574

Appendix D: Notifications

Figure 2: BLM Soil Sample Notification

Notice of sampling

KS

Kevin Smaka

To aadeloye@blm.gov

Cc Tyra Feil; Eileen Medrano

Reply Reply All Forward

Mon 1/20/2025 11:44 AM

Suggested Meetings

Action Items

Get more add-ins

Hello Emmanuel,

Dugan will be collecting soil samples this coming Wednesday, 1-22-25 at 10:00 AM at Dugan's Tsah Tah 4-1 well site.

Here is the site information:

30-045-34672 TSAH TAH 4 #001 [328881]

General Well Information

Operator:

[6515] DUGAN PRODUCTION CORP

Status:

Active

Well Type:

Gas

Work Type:

New

Surface Location:

A-04-24N-10W Lot: 1 1302 FNL 1177 FEL

Lat/Long:

36.3468285,-107.8967361 NAD83

GL Elevation:

6847

KB Elevation:

DF Elevation:

Appendix E: Lab Analysis

Table 1: Soil Sample Results Summary

Tsah Tah 4 #001						
Lab Results Table			Results			
Sample #	Map 3: ID	Depth Sampled (feet BGS)	Chlorides (mg/kg)	TPH (mg/kg)	BTEX (mg/kg)	Benzene (mg/kg)
01	1	0	ND	ND	ND	ND
02	2	0	ND	ND	ND	ND
03	3	0	ND	ND	ND	ND
04	4	0	ND	ND	ND	ND
05	5	0	ND	ND	ND	ND
06	6	0	ND	ND	ND	ND
07	7	0	ND	ND	ND	ND
08	12	6"	ND	ND	ND	ND
09	12	12"	ND	ND	ND	ND
10	12	18"	ND	ND	ND	ND
11	12	24"	ND	ND	ND	ND
12	8	6"	ND	ND	ND	ND
13	8	12"	ND	ND	ND	ND
14	9	6"	ND	ND	ND	ND
15	9	12"	ND	ND	ND	ND
16	10	6"	ND	ND	ND	ND
17	10	12"	ND	ND	ND	ND
18	11	6"	ND	ND	ND	ND
19	11	12"	ND	ND	ND	ND
Notes:						
	1. BGS means below grade surface					
	2. TPH means total petroleum hydrocarbons					
	3. BTEX means Benzene, Toluene, Ethylbenzene and Xylene					
	4. ND means not detected					

Appendix E: Lab Analysis

Figure 1: Soil Sample Lab Report

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: Tsah Tah 4 #1

Work Order: E501154

Job Number: 06094-0177

Received: 1/22/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/28/25

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 T104704537 for data reported.

Appendix E: Lab Analysis

Date Reported: 1/28/25

Kevin Smaka
PO Box 420
Farmington, NM 87499



Project Name: Tsah Tah 4 #1
Workorder: E501154
Date Received: 1/22/2025 11:51:00AM

Kevin Smaka,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/22/2025 11:51:00AM, under the Project Name: Tsah Tah 4 #1.

The analytical test results summarized in this report with the Project Name: Tsah Tah 4 #1 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

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

Field Offices:
Southern New Mexico Area
Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Appendix E: Lab Analysis

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Appendix E: Lab Analysis

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Appendix E: Lab Analysis

Sample Summary

Dugan Production Corp.	Project Name:	Tsah Tah 4 #1	Reported:
PO Box 420	Project Number:	06094-0177	
Farmington NM, 87499	Project Manager:	Kevin Smaka	01/28/25 08:59

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
1	E501154-01A	Soil	01/22/25	01/22/25	Glass Jar, 2 oz.
2	E501154-02A	Soil	01/22/25	01/22/25	Glass Jar, 2 oz.
3	E501154-03A	Soil	01/22/25	01/22/25	Glass Jar, 2 oz.
4	E501154-04A	Soil	01/22/25	01/22/25	Glass Jar, 2 oz.
5	E501154-05A	Soil	01/22/25	01/22/25	Glass Jar, 2 oz.
6	E501154-06A	Soil	01/22/25	01/22/25	Glass Jar, 2 oz.
7	E501154-07A	Soil	01/22/25	01/22/25	Glass Jar, 2 oz.
8	E501154-08A	Soil	01/22/25	01/22/25	Glass Jar, 2 oz.
9	E501154-09A	Soil	01/22/25	01/22/25	Glass Jar, 2 oz.
10	E501154-10A	Soil	01/22/25	01/22/25	Glass Jar, 2 oz.
11	E501154-11A	Soil	01/22/25	01/22/25	Glass Jar, 2 oz.
12	E501154-12A	Soil	01/22/25	01/22/25	Glass Jar, 2 oz.
13	E501154-13A	Soil	01/22/25	01/22/25	Glass Jar, 2 oz.
14	E501154-14A	Soil	01/22/25	01/22/25	Glass Jar, 2 oz.
15	E501154-15A	Soil	01/22/25	01/22/25	Glass Jar, 2 oz.
16	E501154-16A	Soil	01/22/25	01/22/25	Glass Jar, 2 oz.
17	E501154-17A	Soil	01/22/25	01/22/25	Glass Jar, 2 oz.
18	E501154-18A	Soil	01/22/25	01/22/25	Glass Jar, 2 oz.
19	E501154-19A	Soil	01/22/25	01/22/25	Glass Jar, 2 oz.

Appendix E: Lab Analysis

Sample Data

Dugan Production Corp.	Project Name:	Tsah Tah 4 #1	Reported:
PO Box 420	Project Number:	06094-0177	1/28/2025 8:59:45AM
Farmington NM, 87499	Project Manager:	Kevin Smaka	

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E501154-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504099
Benzene	ND	0.0250	1	01/23/25	01/24/25	
Ethylbenzene	ND	0.0250	1	01/23/25	01/24/25	
Toluene	ND	0.0250	1	01/23/25	01/24/25	
o-Xylene	ND	0.0250	1	01/23/25	01/24/25	
p,m-Xylene	ND	0.0500	1	01/23/25	01/24/25	
Total Xylenes	ND	0.0250	1	01/23/25	01/24/25	
Surrogate: Bromofluorobenzene	97.7 %	70-130		01/23/25	01/24/25	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		01/23/25	01/24/25	
Surrogate: Toluene-d8	96.9 %	70-130		01/23/25	01/24/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504099
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/25	01/24/25	
Surrogate: Bromofluorobenzene	97.7 %	70-130		01/23/25	01/24/25	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		01/23/25	01/24/25	
Surrogate: Toluene-d8	96.9 %	70-130		01/23/25	01/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504107
Diesel Range Organics (C10-C28)	ND	25.0	1	01/23/25	01/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/25	01/23/25	
Surrogate: n-Nonane	111 %	50-200		01/23/25	01/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2504115
Chloride	ND	20.0	1	01/24/25	01/24/25	

Appendix E: Lab Analysis

Sample Data

Dugan Production Corp.	Project Name:	Tsah Tah 4 #1	Reported:
PO Box 420	Project Number:	06094-0177	1/28/2025 8:39:45AM
Farmington NM, 87499	Project Manager:	Kevin Smaka	

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E501154-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504099
Benzene	ND	0.0250	1	01/23/25	01/24/25	
Ethylbenzene	ND	0.0250	1	01/23/25	01/24/25	
Toluene	ND	0.0250	1	01/23/25	01/24/25	
o-Xylene	ND	0.0250	1	01/23/25	01/24/25	
p,m-Xylene	ND	0.0500	1	01/23/25	01/24/25	
Total Xylenes	ND	0.0250	1	01/23/25	01/24/25	
Surrogate: Bromofluorobenzene	96.3 %	70-130		01/23/25	01/24/25	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		01/23/25	01/24/25	
Surrogate: Toluene-d8	97.1 %	70-130		01/23/25	01/24/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504099
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/25	01/24/25	
Surrogate: Bromofluorobenzene	96.3 %	70-130		01/23/25	01/24/25	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		01/23/25	01/24/25	
Surrogate: Toluene-d8	97.1 %	70-130		01/23/25	01/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504107
Diesel Range Organics (C10-C28)	ND	25.0	1	01/23/25	01/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/25	01/23/25	
Surrogate: n-Nonane	105 %	50-200		01/23/25	01/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2504115
Chloride	ND	20.0	1	01/24/25	01/24/25	

Appendix E: Lab Analysis

Sample Data

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Tsah Tah 4 #1 Project Number: 06094-0177 Project Manager: Kevin Smaka	Reported: 1/28/2025 8:39:45AM
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E501154-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504099
Benzene	ND	0.0250	1	01/23/25	01/24/25	
Ethylbenzene	ND	0.0250	1	01/23/25	01/24/25	
Toluene	ND	0.0250	1	01/23/25	01/24/25	
o-Xylene	ND	0.0250	1	01/23/25	01/24/25	
p,m-Xylene	ND	0.0500	1	01/23/25	01/24/25	
Total Xylenes	ND	0.0250	1	01/23/25	01/24/25	
Surrogate: Bromofluorobenzene	98.4 %	70-130		01/23/25	01/24/25	
Surrogate: 1,2-Dichloroethane-d4	99.6 %	70-130		01/23/25	01/24/25	
Surrogate: Toluene-d8	96.9 %	70-130		01/23/25	01/24/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504099
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/25	01/24/25	
Surrogate: Bromofluorobenzene	98.4 %	70-130		01/23/25	01/24/25	
Surrogate: 1,2-Dichloroethane-d4	99.6 %	70-130		01/23/25	01/24/25	
Surrogate: Toluene-d8	96.9 %	70-130		01/23/25	01/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504107
Diesel Range Organics (C10-C28)	ND	25.0	1	01/23/25	01/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/25	01/23/25	
Surrogate: n-Nonane	109 %	50-200		01/23/25	01/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2504115
Chloride	ND	20.0	1	01/24/25	01/24/25	

Appendix E: Lab Analysis

Sample Data

Dugan Production Corp.	Project Name:	Tsah Tah 4 #1	Reported:
PO Box 420	Project Number:	06094-0177	1/28/2025 8:59:45AM
Farmington NM, 87499	Project Manager:	Kevin Smaka	

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E501154-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
5						
E501154-05						
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: BA			Batch: 2504099
Benzene	ND	0.0250	1	01/23/25	01/24/25	
Ethylbenzene	ND	0.0250	1	01/23/25	01/24/25	
Toluene	ND	0.0250	1	01/23/25	01/24/25	
o-Xylene	ND	0.0250	1	01/23/25	01/24/25	
p,m-Xylene	ND	0.0500	1	01/23/25	01/24/25	
Total Xylenes	ND	0.0250	1	01/23/25	01/24/25	
Surrogate: Bromofluorobenzene	97.2 %	70-130		01/23/25	01/24/25	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		01/23/25	01/24/25	
Surrogate: Toluene-d8	96.1 %	70-130		01/23/25	01/24/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2504099
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/25	01/24/25	
Surrogate: Bromofluorobenzene	97.2 %	70-130		01/23/25	01/24/25	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		01/23/25	01/24/25	
Surrogate: Toluene-d8	96.1 %	70-130		01/23/25	01/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2504107
Diesel Range Organics (C10-C28)	ND	25.0	1	01/23/25	01/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/25	01/23/25	
Surrogate: n-Nonane	109 %	50-200		01/23/25	01/23/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK			Batch: 2504115
Chloride	ND	20.0	1	01/24/25	01/24/25	

Appendix E: Lab Analysis

Sample Data

Dugan Production Corp.	Project Name:	Tsah Tah 4 #1	Reported:
PO Box 420	Project Number:	06094-0177	1/28/2025 8:59:45AM
Farmington NM, 87499	Project Manager:	Kevin Smaka	

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E501154-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: BA		Batch: 2504099
Benzene	ND	0.0250	1	01/23/25	01/24/25	
Ethylbenzene	ND	0.0250	1	01/23/25	01/24/25	
Toluene	ND	0.0250	1	01/23/25	01/24/25	
o-Xylene	ND	0.0250	1	01/23/25	01/24/25	
p,m-Xylene	ND	0.0500	1	01/23/25	01/24/25	
Total Xylenes	ND	0.0250	1	01/23/25	01/24/25	
Surrogate: Bromofluorobenzene		98.0 %	70-130	01/23/25	01/24/25	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130	01/23/25	01/24/25	
Surrogate: Toluene-d8		97.5 %	70-130	01/23/25	01/24/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: BA		Batch: 2504099
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/25	01/24/25	
Surrogate: Bromofluorobenzene		98.0 %	70-130	01/23/25	01/24/25	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130	01/23/25	01/24/25	
Surrogate: Toluene-d8		97.5 %	70-130	01/23/25	01/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: NV		Batch: 2504107
Diesel Range Organics (C10-C28)	ND	25.0	1	01/23/25	01/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/25	01/23/25	
Surrogate: n-Nonane		112 %	50-200	01/23/25	01/23/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: AK		Batch: 2504115
Chloride	ND	20.0	1	01/24/25	01/24/25	

Appendix E: Lab Analysis

Sample Data

Dugan Production Corp.	Project Name:	Tsah Tah 4 #1	Reported:
PO Box 420	Project Number:	06094-0177	1/28/2025 8:59:45AM
Farmington NM, 87499	Project Manager:	Kevin Smaka	

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E501154-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: BA		Batch: 2504099
Benzene	ND	0.0250	1	01/23/25	01/24/25	
Ethylbenzene	ND	0.0250	1	01/23/25	01/24/25	
Toluene	ND	0.0250	1	01/23/25	01/24/25	
o-Xylene	ND	0.0250	1	01/23/25	01/24/25	
p,m-Xylene	ND	0.0500	1	01/23/25	01/24/25	
Total Xylenes	ND	0.0250	1	01/23/25	01/24/25	
Surrogate: Bromofluorobenzene	98.7 %	70-130		01/23/25	01/24/25	
Surrogate: 1,2-Dichloroethane-d4	96.8 %	70-130		01/23/25	01/24/25	
Surrogate: Toluene-d8	97.3 %	70-130		01/23/25	01/24/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: BA		Batch: 2504099
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/25	01/24/25	
Surrogate: Bromofluorobenzene	98.7 %	70-130		01/23/25	01/24/25	
Surrogate: 1,2-Dichloroethane-d4	96.8 %	70-130		01/23/25	01/24/25	
Surrogate: Toluene-d8	97.3 %	70-130		01/23/25	01/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: NV		Batch: 2504107
Diesel Range Organics (C10-C28)	ND	25.0	1	01/23/25	01/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/25	01/23/25	
Surrogate: n-Nonane	108 %	50-200		01/23/25	01/23/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: AK		Batch: 2504115
Chloride	ND	20.0	1	01/24/25	01/24/25	

Appendix E: Lab Analysis

Sample Data

Dugan Production Corp.	Project Name:	Tsah Tah 4 #1	Reported:
PO Box 420	Project Number:	06094-0177	1/28/2025 8:59:45AM
Farmington NM, 87499	Project Manager:	Kevin Smaka	

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E501154-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: BA		Batch: 2504099
Benzene	ND	0.0250	1	01/23/25	01/24/25	
Ethylbenzene	ND	0.0250	1	01/23/25	01/24/25	
Toluene	ND	0.0250	1	01/23/25	01/24/25	
o-Xylene	ND	0.0250	1	01/23/25	01/24/25	
p,m-Xylene	ND	0.0500	1	01/23/25	01/24/25	
Total Xylenes	ND	0.0250	1	01/23/25	01/24/25	
Surrogate: Bromofluorobenzene	96.7 %	70-130		01/23/25	01/24/25	
Surrogate: 1,2-Dichloroethane-d4	98.0 %	70-130		01/23/25	01/24/25	
Surrogate: Toluene-d8	99.3 %	70-130		01/23/25	01/24/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: BA		Batch: 2504099
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/25	01/24/25	
Surrogate: Bromofluorobenzene	96.7 %	70-130		01/23/25	01/24/25	
Surrogate: 1,2-Dichloroethane-d4	98.0 %	70-130		01/23/25	01/24/25	
Surrogate: Toluene-d8	99.3 %	70-130		01/23/25	01/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: NV		Batch: 2504107
Diesel Range Organics (C10-C28)	ND	25.0	1	01/23/25	01/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/25	01/23/25	
Surrogate: n-Nonane	112 %	50-200		01/23/25	01/23/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: AK		Batch: 2504115
Chloride	ND	20.0	1	01/24/25	01/24/25	

Appendix E: Lab Analysis

Sample Data

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Tsah Tah 4 #1 Project Number: 06094-0177 Project Manager: Kevin Smaka	Reported: 1/28/2025 8:59:45AM
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E501154-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504099
Benzene	ND	0.0250	1	01/23/25	01/24/25	
Ethylbenzene	ND	0.0250	1	01/23/25	01/24/25	
Toluene	ND	0.0250	1	01/23/25	01/24/25	
o-Xylene	ND	0.0250	1	01/23/25	01/24/25	
p,m-Xylene	ND	0.0500	1	01/23/25	01/24/25	
Total Xylenes	ND	0.0250	1	01/23/25	01/24/25	
Surrogate: Bromofluorobenzene	96.5 %	70-130		01/23/25	01/24/25	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		01/23/25	01/24/25	
Surrogate: Toluene-d8	96.9 %	70-130		01/23/25	01/24/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504099
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/25	01/24/25	
Surrogate: Bromofluorobenzene	96.5 %	70-130		01/23/25	01/24/25	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		01/23/25	01/24/25	
Surrogate: Toluene-d8	96.9 %	70-130		01/23/25	01/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504107
Diesel Range Organics (C10-C28)	ND	25.0	1	01/23/25	01/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/25	01/23/25	
Surrogate: n-Nonane	116 %	50-200		01/23/25	01/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2504115
Chloride	ND	20.0	1	01/24/25	01/24/25	

Appendix E: Lab Analysis

Sample Data

Dugan Production Corp.	Project Name:	Tsah Tah 4 #1	Reported: 1/28/2025 8:59:45AM
PO Box 420	Project Number:	06094-0177	
Farmington NM, 87499	Project Manager:	Kevin Smaka	

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E501154-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504099
Benzene	ND	0.0250	1	01/23/25	01/24/25	
Ethylbenzene	ND	0.0250	1	01/23/25	01/24/25	
Toluene	ND	0.0250	1	01/23/25	01/24/25	
o-Xylene	ND	0.0250	1	01/23/25	01/24/25	
p,m-Xylene	ND	0.0500	1	01/23/25	01/24/25	
Total Xylenes	ND	0.0250	1	01/23/25	01/24/25	
Surrogate: Bromofluorobenzene	96.3 %	70-130		01/23/25	01/24/25	
Surrogate: 1,2-Dichloroethane-d4	97.8 %	70-130		01/23/25	01/24/25	
Surrogate: Toluene-d8	96.4 %	70-130		01/23/25	01/24/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504099
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/25	01/24/25	
Surrogate: Bromofluorobenzene	96.3 %	70-130		01/23/25	01/24/25	
Surrogate: 1,2-Dichloroethane-d4	97.8 %	70-130		01/23/25	01/24/25	
Surrogate: Toluene-d8	96.4 %	70-130		01/23/25	01/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504107
Diesel Range Organics (C10-C28)	ND	25.0	1	01/23/25	01/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/25	01/23/25	
Surrogate: n-Nonane	111 %	50-200		01/23/25	01/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2504115
Chloride	ND	20.0	1	01/24/25	01/24/25	

Appendix E: Lab Analysis

Sample Data

Dugan Production Corp.	Project Name:	Tsah Tah 4 #1	
PO Box 420	Project Number:	06094-0177	Reported:
Farmington NM, 87499	Project Manager:	Kevin Smaka	1/28/2025 8:59:45AM

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E501154-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504099
Benzene	ND	0.0250	1	01/23/25	01/24/25	
Ethylbenzene	ND	0.0250	1	01/23/25	01/24/25	
Toluene	ND	0.0250	1	01/23/25	01/24/25	
o-Xylene	ND	0.0250	1	01/23/25	01/24/25	
p,m-Xylene	ND	0.0500	1	01/23/25	01/24/25	
Total Xylenes	ND	0.0250	1	01/23/25	01/24/25	
Surrogate: Bromofluorobenzene	98.2 %	70-130		01/23/25	01/24/25	
Surrogate: 1,2-Dichloroethane-d4	98.2 %	70-130		01/23/25	01/24/25	
Surrogate: Toluene-d8	96.1 %	70-130		01/23/25	01/24/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504099
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/25	01/24/25	
Surrogate: Bromofluorobenzene	98.2 %	70-130		01/23/25	01/24/25	
Surrogate: 1,2-Dichloroethane-d4	98.2 %	70-130		01/23/25	01/24/25	
Surrogate: Toluene-d8	96.1 %	70-130		01/23/25	01/24/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504107
Diesel Range Organics (C10-C28)	ND	25.0	1	01/23/25	01/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/25	01/23/25	
Surrogate: n-Nonane	109 %	50-200		01/23/25	01/23/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2504115
Chloride	ND	20.0	1	01/24/25	01/24/25	

Appendix E: Lab Analysis

Sample Data

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Tsah Tah 4 #1 Project Number: 06094-0177 Project Manager: Kevin Smaka	Reported: 1/28/2025 8:59:45AM
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E501154-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504099
Benzene	ND	0.0250	1	01/23/25	01/25/25	
Ethylbenzene	ND	0.0250	1	01/23/25	01/25/25	
Toluene	ND	0.0250	1	01/23/25	01/25/25	
o-Xylene	ND	0.0250	1	01/23/25	01/25/25	
p,m-Xylene	ND	0.0500	1	01/23/25	01/25/25	
Total Xylenes	ND	0.0250	1	01/23/25	01/25/25	
Surrogate: Bromofluorobenzene	99.1 %	70-130		01/23/25	01/25/25	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		01/23/25	01/25/25	
Surrogate: Toluene-d8	97.3 %	70-130		01/23/25	01/25/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504099
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/25	01/25/25	
Surrogate: Bromofluorobenzene	99.1 %	70-130		01/23/25	01/25/25	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		01/23/25	01/25/25	
Surrogate: Toluene-d8	97.3 %	70-130		01/23/25	01/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504107
Diesel Range Organics (C10-C28)	ND	25.0	1	01/23/25	01/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/25	01/24/25	
Surrogate: n-Nonane	109 %	50-200		01/23/25	01/24/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2504115
Chloride	ND	20.0	1	01/24/25	01/24/25	

Appendix E: Lab Analysis

Sample Data

Dugan Production Corp.	Project Name:	Tsah Tah 4 #1	Reported:
PO Box 420	Project Number:	06094-0177	1/28/2025 8:39:45AM
Farmington NM, 87499	Project Manager:	Kevin Smaka	

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E501154-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504099
Benzene	ND	0.0250	1	01/23/25	01/25/25	
Ethylbenzene	ND	0.0250	1	01/23/25	01/25/25	
Toluene	ND	0.0250	1	01/23/25	01/25/25	
o-Xylene	ND	0.0250	1	01/23/25	01/25/25	
p,m-Xylene	ND	0.0500	1	01/23/25	01/25/25	
Total Xylenes	ND	0.0250	1	01/23/25	01/25/25	
Surrogate: Bromofluorobenzene	97.3 %	70-130		01/23/25	01/25/25	
Surrogate: 1,2-Dichloroethane-d4	97.4 %	70-130		01/23/25	01/25/25	
Surrogate: Toluene-d8	96.2 %	70-130		01/23/25	01/25/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504099
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/25	01/25/25	
Surrogate: Bromofluorobenzene	97.3 %	70-130		01/23/25	01/25/25	
Surrogate: 1,2-Dichloroethane-d4	97.4 %	70-130		01/23/25	01/25/25	
Surrogate: Toluene-d8	96.2 %	70-130		01/23/25	01/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504107
Diesel Range Organics (C10-C28)	ND	25.0	1	01/23/25	01/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/25	01/24/25	
Surrogate: n-Nonane	109 %	50-200		01/23/25	01/24/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2504115
Chloride	ND	20.0	1	01/24/25	01/24/25	

Appendix E: Lab Analysis

Sample Data

Dugan Production Corp.	Project Name:	Tsah Tah 4 #1	Reported:
PO Box 420	Project Number:	06094-0177	1/28/2025 8:59:45AM
Farmington NM, 87499	Project Manager:	Kevin Smaka	

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E501154-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: BA			Batch: 2504099
Benzene	ND	0.0250	1	01/23/25	01/25/25	
Ethylbenzene	ND	0.0250	1	01/23/25	01/25/25	
Toluene	ND	0.0250	1	01/23/25	01/25/25	
o-Xylene	ND	0.0250	1	01/23/25	01/25/25	
p,m-Xylene	ND	0.0500	1	01/23/25	01/25/25	
Total Xylenes	ND	0.0250	1	01/23/25	01/25/25	
Surrogate: Bromofluorobenzene	97.6 %	70-130		01/23/25	01/25/25	
Surrogate: 1,2-Dichloroethane-d4	97.5 %	70-130		01/23/25	01/25/25	
Surrogate: Toluene-d8	96.4 %	70-130		01/23/25	01/25/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA			Batch: 2504099
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/25	01/25/25	
Surrogate: Bromofluorobenzene	97.6 %	70-130		01/23/25	01/25/25	
Surrogate: 1,2-Dichloroethane-d4	97.5 %	70-130		01/23/25	01/25/25	
Surrogate: Toluene-d8	96.4 %	70-130		01/23/25	01/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV			Batch: 2504107
Diesel Range Organics (C10-C28)	ND	25.0	1	01/23/25	01/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/25	01/24/25	
Surrogate: n-Nonane	110 %	50-200		01/23/25	01/24/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK			Batch: 2504115
Chloride	ND	20.0	1	01/24/25	01/24/25	

Appendix E: Lab Analysis

Sample Data

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Tsah Tah 4 #1 Project Number: 06094-0177 Project Manager: Kevin Smaka	Reported: 1/28/2025 8:59:45AM
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E501154-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504099
Benzene	ND	0.0250	1	01/23/25	01/25/25	
Ethylbenzene	ND	0.0250	1	01/23/25	01/25/25	
Toluene	ND	0.0250	1	01/23/25	01/25/25	
o-Xylene	ND	0.0250	1	01/23/25	01/25/25	
p,m-Xylene	ND	0.0500	1	01/23/25	01/25/25	
Total Xylenes	ND	0.0250	1	01/23/25	01/25/25	
Surrogate: Bromofluorobenzene	97.5 %	70-130		01/23/25	01/25/25	
Surrogate: 1,2-Dichloroethane-d4	96.2 %	70-130		01/23/25	01/25/25	
Surrogate: Toluene-d8	96.7 %	70-130		01/23/25	01/25/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504099
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/25	01/25/25	
Surrogate: Bromofluorobenzene	97.5 %	70-130		01/23/25	01/25/25	
Surrogate: 1,2-Dichloroethane-d4	96.2 %	70-130		01/23/25	01/25/25	
Surrogate: Toluene-d8	96.7 %	70-130		01/23/25	01/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504107
Diesel Range Organics (C10-C28)	ND	25.0	1	01/23/25	01/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/25	01/24/25	
Surrogate: n-Nonane	108 %	50-200		01/23/25	01/24/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2504115
Chloride	ND	20.0	1	01/24/25	01/24/25	

Appendix E: Lab Analysis

Sample Data

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Tsah Tah 4 #1 Project Number: 06094-0177 Project Manager: Kevin Smaka	Reported: 1/28/2025 8:59:45AM
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E501154-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: BA		Batch: 2504099
Benzene	ND	0.0250	1	01/23/25	01/25/25	
Ethylbenzene	ND	0.0250	1	01/23/25	01/25/25	
Toluene	ND	0.0250	1	01/23/25	01/25/25	
o-Xylene	ND	0.0250	1	01/23/25	01/25/25	
p,m-Xylene	ND	0.0500	1	01/23/25	01/25/25	
Total Xylenes	ND	0.0250	1	01/23/25	01/25/25	
Surrogate: Bromofluorobenzene		95.4 %	70-130	01/23/25	01/25/25	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130	01/23/25	01/25/25	
Surrogate: Toluene-d8		97.8 %	70-130	01/23/25	01/25/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: BA		Batch: 2504099
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/25	01/25/25	
Surrogate: Bromofluorobenzene		95.4 %	70-130	01/23/25	01/25/25	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130	01/23/25	01/25/25	
Surrogate: Toluene-d8		97.8 %	70-130	01/23/25	01/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: NV		Batch: 2504107
Diesel Range Organics (C10-C28)	ND	25.0	1	01/23/25	01/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/25	01/24/25	
Surrogate: n-Nonane		117 %	50-200	01/23/25	01/24/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: AK		Batch: 2504115
Chloride	ND	20.0	1	01/24/25	01/24/25	

Appendix E: Lab Analysis

Sample Data

Dugan Production Corp.	Project Name:	Tsah Tah 4 #1	Reported:
PO Box 420	Project Number:	06094-0177	1/28/2025 8:39:45AM
Farmington NM, 87499	Project Manager:	Kevin Smaka	

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E501154-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504099
Benzene	ND	0.0250	1	01/23/25	01/25/25	
Ethylbenzene	ND	0.0250	1	01/23/25	01/25/25	
Toluene	ND	0.0250	1	01/23/25	01/25/25	
o-Xylene	ND	0.0250	1	01/23/25	01/25/25	
p,m-Xylene	ND	0.0500	1	01/23/25	01/25/25	
Total Xylenes	ND	0.0250	1	01/23/25	01/25/25	
Surrogate: Bromofluorobenzene	97.6 %	70-130		01/23/25	01/25/25	
Surrogate: 1,2-Dichloroethane-d4	95.7 %	70-130		01/23/25	01/25/25	
Surrogate: Toluene-d8	97.9 %	70-130		01/23/25	01/25/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504099
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/25	01/25/25	
Surrogate: Bromofluorobenzene	97.6 %	70-130		01/23/25	01/25/25	
Surrogate: 1,2-Dichloroethane-d4	95.7 %	70-130		01/23/25	01/25/25	
Surrogate: Toluene-d8	97.9 %	70-130		01/23/25	01/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504107
Diesel Range Organics (C10-C28)	ND	25.0	1	01/23/25	01/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/25	01/24/25	
Surrogate: n-Nonane	115 %	50-200		01/23/25	01/24/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2504115
Chloride	ND	20.0	1	01/24/25	01/24/25	

Appendix E: Lab Analysis

Sample Data

Dugan Production Corp.	Project Name:	Tsah Tah 4 #1	Reported:
PO Box 420	Project Number:	06094-0177	1/28/2025 8:39:45AM
Farmington NM, 87499	Project Manager:	Kevin Smaka	

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E501154-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504099
Benzene	ND	0.0250	1	01/23/25	01/25/25	
Ethylbenzene	ND	0.0250	1	01/23/25	01/25/25	
Toluene	ND	0.0250	1	01/23/25	01/25/25	
o-Xylene	ND	0.0250	1	01/23/25	01/25/25	
p,m-Xylene	ND	0.0500	1	01/23/25	01/25/25	
Total Xylenes	ND	0.0250	1	01/23/25	01/25/25	
Surrogate: Bromofluorobenzene		97.8 %	70-130	01/23/25	01/25/25	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130	01/23/25	01/25/25	
Surrogate: Toluene-d8		97.2 %	70-130	01/23/25	01/25/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2504099
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/25	01/25/25	
Surrogate: Bromofluorobenzene		97.8 %	70-130	01/23/25	01/25/25	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130	01/23/25	01/25/25	
Surrogate: Toluene-d8		97.2 %	70-130	01/23/25	01/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2504107
Diesel Range Organics (C10-C28)	ND	25.0	1	01/23/25	01/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/25	01/24/25	
Surrogate: n-Nonane		107 %	50-200	01/23/25	01/24/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2504115
Chloride	ND	20.0	1	01/24/25	01/24/25	

Appendix E: Lab Analysis

Sample Data

Dugan Production Corp.	Project Name:	Tsah Tah 4 #1	Reported:
PO Box 420	Project Number:	06094-0177	1/28/2025 8:39:45AM
Farmington NM, 87499	Project Manager:	Kevin Smaka	

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E#01154-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2504099	
Benzene	ND	0.0250	1	01/23/25	01/25/25	
Ethylbenzene	ND	0.0250	1	01/23/25	01/25/25	
Toluene	ND	0.0250	1	01/23/25	01/25/25	
o-Xylene	ND	0.0250	1	01/23/25	01/25/25	
p,m-Xylene	ND	0.0500	1	01/23/25	01/25/25	
Total Xylenes	ND	0.0250	1	01/23/25	01/25/25	
Surrogate: Bromofluorobenzene	97.6 %	70-130		01/23/25	01/25/25	
Surrogate: 1,2-Dichloroethane-d4	95.4 %	70-130		01/23/25	01/25/25	
Surrogate: Toluene-d8	96.7 %	70-130		01/23/25	01/25/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2504099	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/25	01/25/25	
Surrogate: Bromofluorobenzene	97.6 %	70-130		01/23/25	01/25/25	
Surrogate: 1,2-Dichloroethane-d4	95.4 %	70-130		01/23/25	01/25/25	
Surrogate: Toluene-d8	96.7 %	70-130		01/23/25	01/25/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2504107	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/23/25	01/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/25	01/24/25	
Surrogate: n-Nonane	109 %	50-200		01/23/25	01/24/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2504115	
Chloride	ND	20.0	1	01/24/25	01/24/25	

Appendix E: Lab Analysis

QC Summary Data

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Project Number: Project Manager:	Tsah Tah 4 #1 06094-0177 Kevin Smaka	Reported: 1/28/2025 8:59:45AM
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Volatile Organic Compounds by EPA 8260B

Analyst: BA

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 (2504099-BLK1)

Prepared: 01/23/25 Analyzed: 01/24/25

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	0.482		0.500		96.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.499		0.500		99.8	70-130			
Surrogate: Toluene-d8	0.481		0.500		96.2	70-130			

LCS (2504099-BS1)

Prepared: 01/23/25 Analyzed: 01/24/25

Benzene	2.72	0.0250	2.50		109	70-130			
Ethylbenzene	2.54	0.0250	2.50		101	70-130			
Toluene	2.51	0.0250	2.50		101	70-130			
o-Xylene	2.45	0.0250	2.50		97.9	70-130			
p,m-Xylene	4.94	0.0500	5.00		98.8	70-130			
Total Xylenes	7.39	0.0250	7.50		98.5	70-130			
Surrogate: Bromofluorobenzene	0.491		0.500		98.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.513		0.500		103	70-130			
Surrogate: Toluene-d8	0.480		0.500		96.0	70-130			

LCS Dup (2504099-BSD1)

Prepared: 01/23/25 Analyzed: 01/24/25

Benzene	2.56	0.0250	2.50		102	70-130	5.94	23	
Ethylbenzene	2.42	0.0250	2.50		97.0	70-130	4.52	27	
Toluene	2.40	0.0250	2.50		96.0	70-130	4.66	24	
o-Xylene	2.39	0.0250	2.50		95.5	70-130	2.52	27	
p,m-Xylene	4.80	0.0500	5.00		96.0	70-130	2.87	27	
Total Xylenes	7.19	0.0250	7.50		95.8	70-130	2.76	27	
Surrogate: Bromofluorobenzene	0.496		0.500		99.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.515		0.500		103	70-130			
Surrogate: Toluene-d8	0.474		0.500		94.8	70-130			

Appendix E: Lab Analysis

QC Summary Data

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Tsah Tah 4 #1 Project Number: 06094-0177 Project Manager: Kevin Smaka	Reported: 1/28/2025 8:59:45AM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2504099-BLKI)

Prepared: 01/23/25 Analyzed: 01/24/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.482		0.500		96.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.499		0.500		99.8	70-130			
Surrogate: Toluene-d8	0.481		0.500		96.2	70-130			

LCS (2504099-BS2)

Prepared: 01/23/25 Analyzed: 01/24/25

Gasoline Range Organics (C6-C10)	47.8	20.0	50.0		95.6	70-130			
Surrogate: Bromofluorobenzene	0.490		0.500		97.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.513		0.500		103	70-130			
Surrogate: Toluene-d8	0.485		0.500		97.0	70-130			

LCS Dup (2504099-BSD2)

Prepared: 01/23/25 Analyzed: 01/24/25

Gasoline Range Organics (C6-C10)	53.6	20.0	50.0		107	70-130	11.4	20	
Surrogate: Bromofluorobenzene	0.499		0.500		99.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.6	70-130			
Surrogate: Toluene-d8	0.487		0.500		97.3	70-130			

Appendix E: Lab Analysis

QC Summary Data

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Tsah Tah 4 #1 Project Number: 06094-0177 Project Manager: Kevin Smaka	Reported: 1/28/2025 8:59:45AM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2504107-BLK1)

Prepared: 01/23/25 Analyzed: 01/23/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	49.1		50.0		98.1	50-200			

LCS (2504107-BS1)

Prepared: 01/23/25 Analyzed: 01/23/25

Diesel Range Organics (C10-C28)	244	25.0	250		97.5	38-132			
Surrogate: <i>n</i> -Nonane	50.2		50.0		100	50-200			

Matrix Spike (2504107-MS1)

Source: E501154-14

Prepared: 01/23/25 Analyzed: 01/23/25

Diesel Range Organics (C10-C28)	291	25.0	250	ND	116	38-132			
Surrogate: <i>n</i> -Nonane	59.7		50.0		119	50-200			

Matrix Spike Dup (2504107-MSD1)

Source: E501154-14

Prepared: 01/23/25 Analyzed: 01/23/25

Diesel Range Organics (C10-C28)	266	25.0	250	ND	106	38-132	8.87	20	
Surrogate: <i>n</i> -Nonane	43.9		50.0		87.7	50-200			

Appendix E: Lab Analysis

QC Summary Data

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Tsah Tah 4 #1 Project Number: 06094-0177 Project Manager: Kevin Smaka	Reported: 1/28/2025 8:59:45AM
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Anions by EPA 300.0/9056A

Analyst: AK

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2504115-BLK1)									
Chloride	ND	20.0							Prepared: 01/24/25 Analyzed: 01/24/25
LCS (2504115-BS1)									
Chloride	250	20.0	250		100	90-110			Prepared: 01/24/25 Analyzed: 01/24/25
Matrix Spike (2504115-MS1)									
Chloride	252	20.0	250	ND	101	80-120			Source: E501154-05 Prepared: 01/24/25 Analyzed: 01/24/25
Matrix Spike Dup (2504115-MSD1)									
Chloride	252	20.0	250	ND	101	80-120	0.0623	20	Prepared: 01/24/25 Analyzed: 01/24/25

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.

Appendix E: Lab Analysis**Definitions and Notes**

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Tsah Tah 4 #1 Project Number: 06094-0177 Project Manager: Kevin Smaka	Reported: 01/28/25 08:59
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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

Appendix E: Lab Analysis

Chain of Custody

Page 1 of 2

Client Information				Invoice Information		Lab Use Only		TAT		State												
Client: <u>UNQA</u>				Company:		Lab WO# <u>E501154</u> Job Number <u>06094-0171</u>		1D 2D 3D Std		NM CO UT TX												
Project Name: <u>T9ah Tab 4 #1</u>				Address:																		
Project Manager: <u>Kevin Smaka</u>				City, State, Zip:																		
Address:				Phone:																		
City, State, Zip:				Email:																		
Phone:				Miscellaneous:																		
Email:																						
Sample Information										Analysis and Method		EPA Program										
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field #	Lab Number	GRD/GRD by 8015	GRD/GRD by 8015	GRD by 8021	VOC by 8260	Chloride 300.0	BOD/DOC - NM	WOB 300.0 - TK	RCRA 8 Metals	Other Analyte Req.	SDWA	CWA	RCRA	Compliance	PWSID #	Remarks	
10:00	1-22-25	S	1	1		1																
				2		2																
				3		3																
				4		4																
				5		5																
				6		6																
				7		7																
				8		8																
				9		9																
				10		10																
Additional Instructions:																						
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.																						
Sampled by: <u>Kevin Smaka</u>																						
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		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 5 °C on										
<u>Kevin Smaka</u>		1-22-25		10:00		<u>Keith Ma</u>		1-22-25		11:51												
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only										
												Received on ice: <u>Y</u> N										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T1 T2 T3										
												AVG Temp °C <u>4</u>										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Container type: g - glass, p - poly/plastic, ag - amber glass, v - VOA										
Note: Samples are discarded 14 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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envirotech

Chain of Custody

Page 2 of 2

Client Information				Invoice Information		Lab Use Only		TAI*				State					
Client: <u>Duqu</u>				Company:		Lab WO# <u>E501154</u>		Job Number <u>06094-0171</u>		1D	2D	3D	Std	NM	CO	UT	TX
Project Name: <u>Tsah Tab 4#1</u>				Address:													
Project Manager: <u>Kevin Smith</u>				City, State, Zip:													
Address:				Phone:													
City, State, Zip:				Email:													
Phone:				Miscellaneous:													
Email:																	

Sample Information						Analysis and Method								EPA Program						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field	Filter	Lab Number	DMO/CRO by 8015	GRD/CRO by 8015	BTEX by 8021	VOC by 8020	Chloride 300.0	REDUC - VAN	TOC 1500 - 19	ICIA 8 Metals	Cation/Anion mg	SDWA	CWA	RCRA	
10:00	1-22-25	S	1	11			11													
				12			12													
				13			13													
				14			14													
				15			15													
				16			16													
				17			17													
				18			18													
				19			19													

Additional Instructions:

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.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	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°C but less than 5°C on the same day. Lab Use Only Received on ice: <u>Y</u> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
<u>Kevin Smith</u>	1-22-25	11:51	<u>Paula Man</u>	1-22-25	11:51	
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 14 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 sample 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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Appendix E: Lab Analysis

Appendix E: Lab Analysis

Envirotech Analytical Laboratory

Printed: 1/22/2025 12:10:28PM

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:	01/22/25 11:51	Work Order ID:	E501154
Phone:	505-486-6207	Date Logged In:	01/22/25 12:04	Logged In By:	Caitlin Mars
Email:	kevin.smaka@duganproduction.com	Due Date:	01/29/25 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? | Yes | |

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? | No |

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 InstructionComments/Resolution

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

Date



envirotech Inc.

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

QUESTIONS

Action 428000

QUESTIONS

Operator: DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	OGRID: 6515
	Action Number: 428000
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2323357024
Incident Name	NAPP2323357024 TSAH TAH 4 #1 @ 30-045-34672
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-045-34672] TSAH TAH 4 #001

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	Tsah Tah 4 #1
Date Release Discovered	08/21/2023
Surface Owner	Federal

Incident Details	
<i>Please answer all the questions in this group.</i>	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Corrosion Pipeline (Any) Produced Water Released: 8 BBL Recovered: 0 BBL Lost: 8 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 428000

QUESTIONS (continued)

Operator: DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	OGRID: 6515
	Action Number: 428000
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

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	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: Tyra Feil Title: ENGINEERING ASSISTANT Email: Tyra.Feil@duganproduction.com Date: 02/12/2024
--	---

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QUESTIONS, Page 3

Action 428000

QUESTIONS (continued)

Operator: DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	OGRID: 6515
	Action Number: 428000
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 300 and 500 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1000 (ft.) and ½ (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 300 and 500 (ft.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	None
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	0
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	03/07/2024
On what date will (or did) the final sampling or liner inspection occur	02/22/2025
On what date will (or was) the remediation complete(d)	03/07/2024
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	2568
What is the estimated volume (in cubic yards) that will be remediated	8
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 428000

QUESTIONS (continued)

Operator: DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	OGRID: 6515
	Action Number: 428000
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Yes
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
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.	
I hereby agree and sign off to the above statement	Name: Tyra Feil Title: ENGINEERING ASSISTANT Email: Tyra.Feil@duganproduction.com Date: 02/04/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 428000

QUESTIONS (continued)

Operator: DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	OGRID: 6515
	Action Number: 428000
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 6

Action 428000

QUESTIONS (continued)

Operator: DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	OGRID: 6515
	Action Number: 428000
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	422352
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/22/2025
What was the (estimated) number of samples that were to be gathered	20
What was the sampling surface area in square feet	2568

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	2568
What was the total volume (cubic yards) remediated	8
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	No additional information that is not included in closure report.

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 (in .pdf format) 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.

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.

I hereby agree and sign off to the above statement	Name: Tyra Feil Title: ENGINEERING ASSISTANT Email: Tyra.Feil@duganproduction.com Date: 02/04/2025
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Action 428000

QUESTIONS (continued)

Operator: DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	OGRID: 6515
	Action Number: 428000
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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Santa Fe, NM 87505

CONDITIONS

Action 428000

CONDITIONS

Operator: DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	OGRID: 6515
	Action Number: 428000
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
nvez	None	5/20/2025