Pinon #2

Spill Closure Report

30-045-30920

F-13-30N-14W

1940 FNL 1435 FWL

Spill Background

There was a produced water spill at the Pinon 2 on May 10th, 2023. The spill was caused by corrosion in the pumping tee. Dugan crews shut in the well and eliminated the source of water. No ponding occurred so no water was recovered. No injuries, fires, death or harm to wildlife occurred because of this spill.

The corroded pipe was replaced. Once the well was in sound condition it was returned to production.

The spill was contained to the pad. All affected soil was compacted from years of driving trucks on the site. To break open the hard pan a backhoe was used to break open the soil to a depth of 1 foot. Once the hard pan was opened, Dugan flushed the site with 320 barrels of fresh water. The water was applied in 80 bbl increments.

Field Data

Dugan measured the spill area and found approximately 1094 square feet of soil were affected. Dugan dug test holes with a shovel and found water soaked at most 1 inch. The measured perimeter of the spill was 211 feet.

Site Characterization

As directed in NMAC 19.15.29.11.A Dugan has generated a site map that shows the potentially impacted area, significant surface features including roads and site infrastructure, location of borings, sample points, monitoring wells and subsurface features such as known pipelines to the extent known at the time of submittal including the source of information regarding subsurface features. This map is titled Pinon 2 scaled site map.

Dugan also attempted to find groundwater data for the surrounding area. The NMOSE iWaters database did not return any results. When expanding the scope of the search many water wells were located to the east near the La Plata River. These water wells had an average depth to groundwater of 20 feet. These wells were also located at an elevation of 5’400 above sea level. The Pinon 2 is located at 5,897 feet above sea level. Based on this information it is estimated

groundwater is nearly 500 feet below grade at this location. Dugan has provided a topographic showing the elevation of the release site and the nearby water wells. In addition Dugan has provided water well data for wells near the La Plata River.

Dugan has checked for nearby watercourses within ½ mile of the spill site and found the nearby Connor Arroyo is nearly 176 feet away from the spill. There is another unnamed water course 1000 feet to the south of the spill. Dugan has generated a map identifying all watercourses within ½ mile if the site. Due to the proximity to the Connor Arroyo the standard for closure will be the most stringent standard found in NMAC 19.15.29. A copy of the standard is included for reference:

Table I
Closure Criteria for Soils Impacted by a Release

Minimum depth below any point within the horizontal boundary of the release to ground water less than 10,000 mg/l TDS	Constituent	Method*	Limit**
≤ 50 feet	Chloride***	EPA 300.0 or SM4500 Cl B	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

Dugan further investigated the surrounding area and did not find any homes, schools, wetlands, wells or springs nearby. Additionally, the spill is not located in unstable geology, above an underground mine, in a 100-year flood plain nor within municipal boundaries or within a municipality fresh water field. Dugan also checked for proximity to wetlands by including the national hydrography data set when generating the map. No wetlands are located near the spill.

Remediation Activities

Dugan took the following actions to remediate the spill:

- After stopping the release Dugan collected soil samples to determine the concentrations of pollutants in the affected soil. The highest concentration for Chlorides was 1093 mg/kg.
- To remediate Dugan brought a backhoe to location and broke the top foot of soil on location to break the hardpan soil surrounding the wellhead and pumping unit.

- After breaking the hardpan, Dugan flushed the soil with 560 barrels of water (23,520 gallons). The water was applied in 80-barrel increments. In total there were 7 flushes performed. Please see the attached treatment schedule:

Well	Treatment Date	Freshwater Volume (bbl)
Pinon 2	7/11/2023	80
Pinon 2	8/15/2023	80
Pinon 2	9/20/2023	80
Pinon 2	10/23/2023	80
Pinon 2	11/16/2023	80
Pinon 2	12/14/2023	80
Pinon 2	1/15/2024	80
	Total Volume	560

- Dugan collected soil samples on 3/1/24. In total Dugan collected 16 soil samples. Dugan collected 6 soil samples from the affected soils. Dugan collected 10 other samples to horizontally and vertically delineate the spill. A table was generated showing the lab results. P1- P6 were 5 point composite samples collected at a depth of 6'' below grade surface (BGS) from soils affected by the spill. P7-P16 were delineation point samples collected at a depth of 1' and 2' BGS from 5 boreholes. Two samples were collected from each borehole. When determining the number of delineation points Dugan multiplied the spill perimeter by 1 foot to establish a surface area of the perimeter and then divided that results by 200 squared feet to determine the number of delineation points. Please see the following equation for clarity of the procedure used:
  - $211\ ft * 4ft * \frac{1}{200ft2} = 4.22\ delineation\ points$ (rounded up to 5)
- A map of the spill area and a sampling diagram has been generated showing where each sample was collected. These maps have been included with this report.

Sample ID	Chlorides (mg/kg)	Closure Standard (mg/kg)	TPH (mg/kg)	Closure Standard (mg/kg)	BTEX (mg/kg)	Closure Standard (mg/kg)	Depth Sampled BGS (feet)
P1	0	600	0	100	0	50	0.5
P2	0	600	0	100	0	50	0.5
P3	0	600	0	100	0	50	0.5
P4	0	600	0	100	0	50	0.5
P5	0	600	0	100	0	50	0.5
P6	0	600	0	100	0	50	0.5
P7	0	600	0	100	0	50	1
P8	0	600	0	100	0	50	2
P9	0	600	0	100	0	50	1
P10	0	600	0	100	0	50	2
P11	0	600	0	100	0	50	1
P12	0	600	0	100	0	50	2
P13	0	600	0	100	0	50	1
P14	0	600	0	100	0	50	2
P15	0	600	0	100	0	50	1
P16	0	600	0	100	0	50	2

- Based on lab results, Dugan will consider this spill completely remediated and no further action is needed once Dugan has received approval from both NMOCD and BLM.
- In addition to this C-141 closure report Dugan has also submitted a copy of this report to BLM.

Attachments

With this submittal Dugan is providing the following documents:

- A site map of the spill.
- A map showing where all samples were collected.
- An aerial map showing all nearby structures, washes and homes.
- A topographic map showing all nearby water courses.
- An additional topographic map showing the change in elevation from the Mesa to water wells located near the La Plata river.
- A FEMA generated 100 flood plain map.
- A map showing all underground mines in the area.
- A copy of the analytical lab results with the Chain of Custody.
- Pictures from the site stamped with GPS coordinates and dates.
- A copy of the iWaters groundwater search for section 13 of T-30N, R-14W.
- A copy of the iWaters groundwater search for well located near the La Plata River.

Pinon 2 Scaled Site Map

4/29/2024, 3:46:43 PM

1:564

SITES

WELLS

GAS

ALLOCATION_METERS

PJ ENGINES

PUMPJACK

PIPELINES

GAS

WATER

ROADS

SPILLS\LEAKS

0 0.01 0.01 0.02 mi

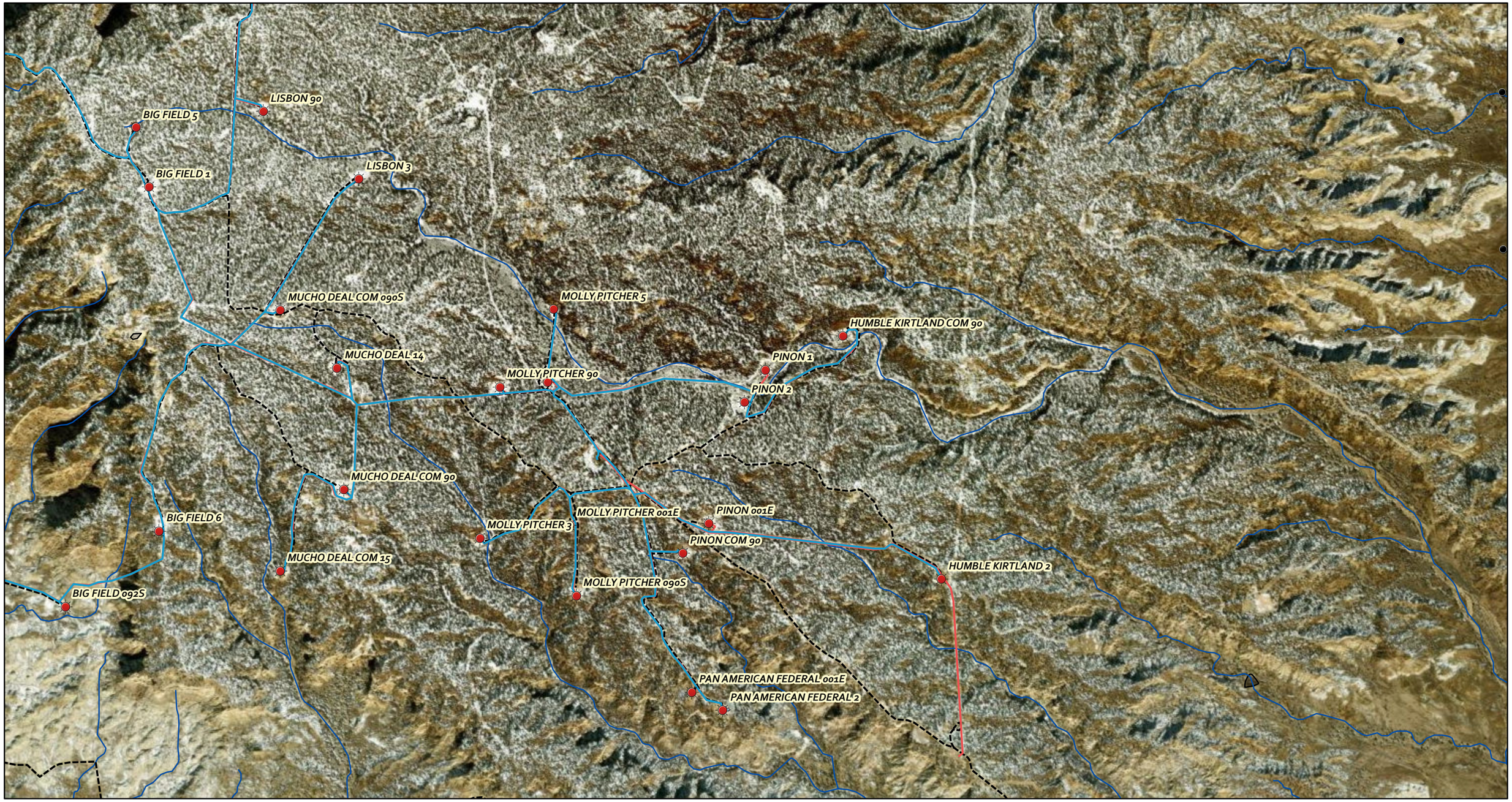
0 0.01 0.01 0.03 km

Maxar, Microsoft

Pinon 2

API: 30-045-30920
Lat. 36.816120, Long -108.264454
Incident# nAPP2313557273
Incident Date: 5/10/2023

Pinon 2 Spill Site Aerial Map



3/12/2024, 10:51:00 AM

1:18,056

WELLS
- GAS

PIPELINES
- GAS
- WATER

ROADS
- STATE OF NM - Points of Diversion
- SPILLS\LEAKS

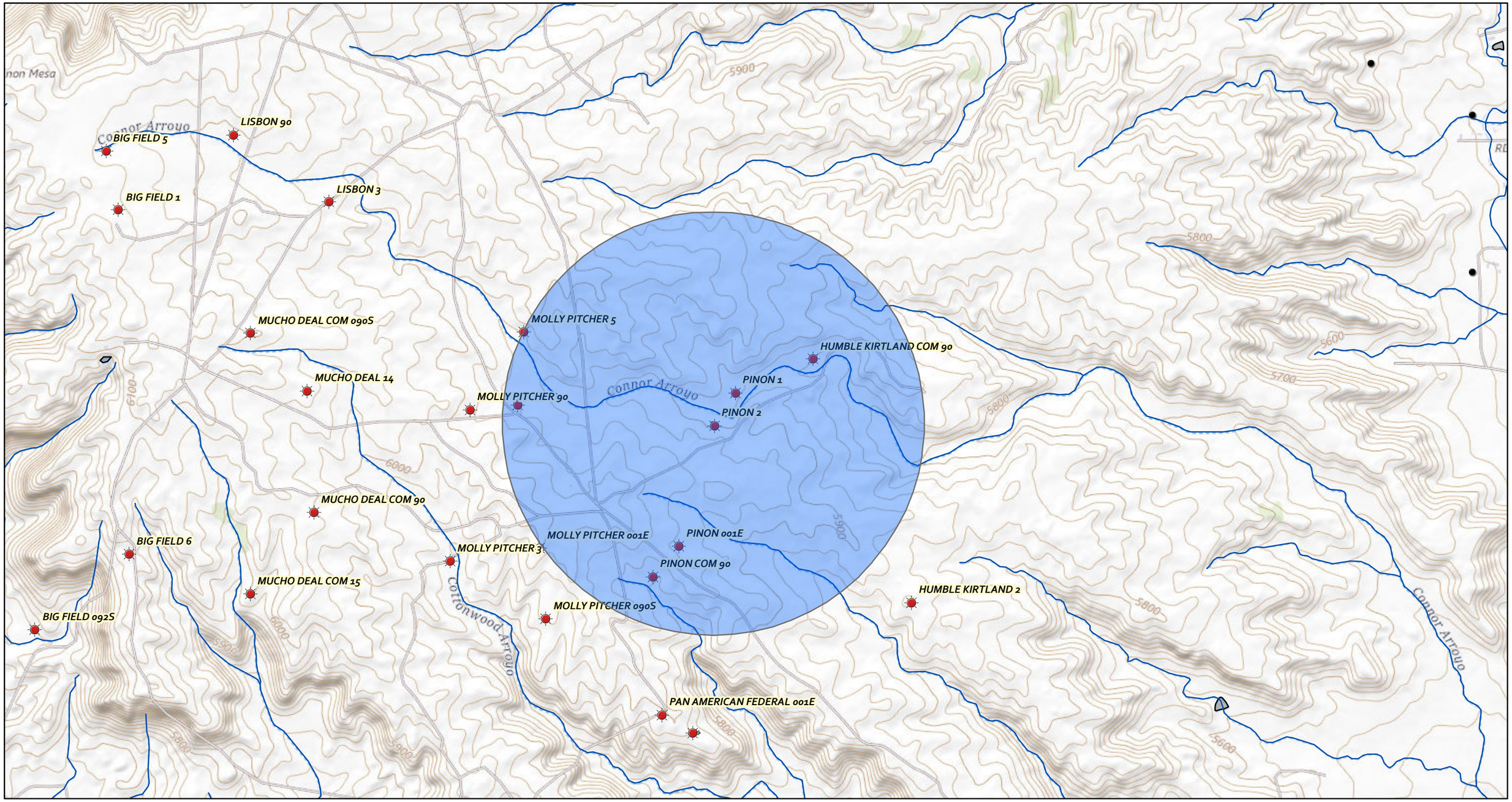
RIVERS, STREAMS, WASHES
- 0 - 5,000
- Ephemeral/Intermittent

LAKES, PONDS, WETLANDS
- Lakes, Ponds, Reservoirs, and Estuaries

0 0.17 0.35 0.7 mi
0 0.28 0.55 1.1 km

Maxar

Pinon 2 1/2 Mile Buffer



4/15/2024, 11:41:22 AM

1:18,056

BufferedFeatures

WELLS

GAS

STATE OF NM - Points of Diversion

SPILLS\LEAKS

RIVERS, STREAMS, WASHES

0 - 5,000

Ephemeral/Intermittent

LAKES, PONDS, WETLANDS

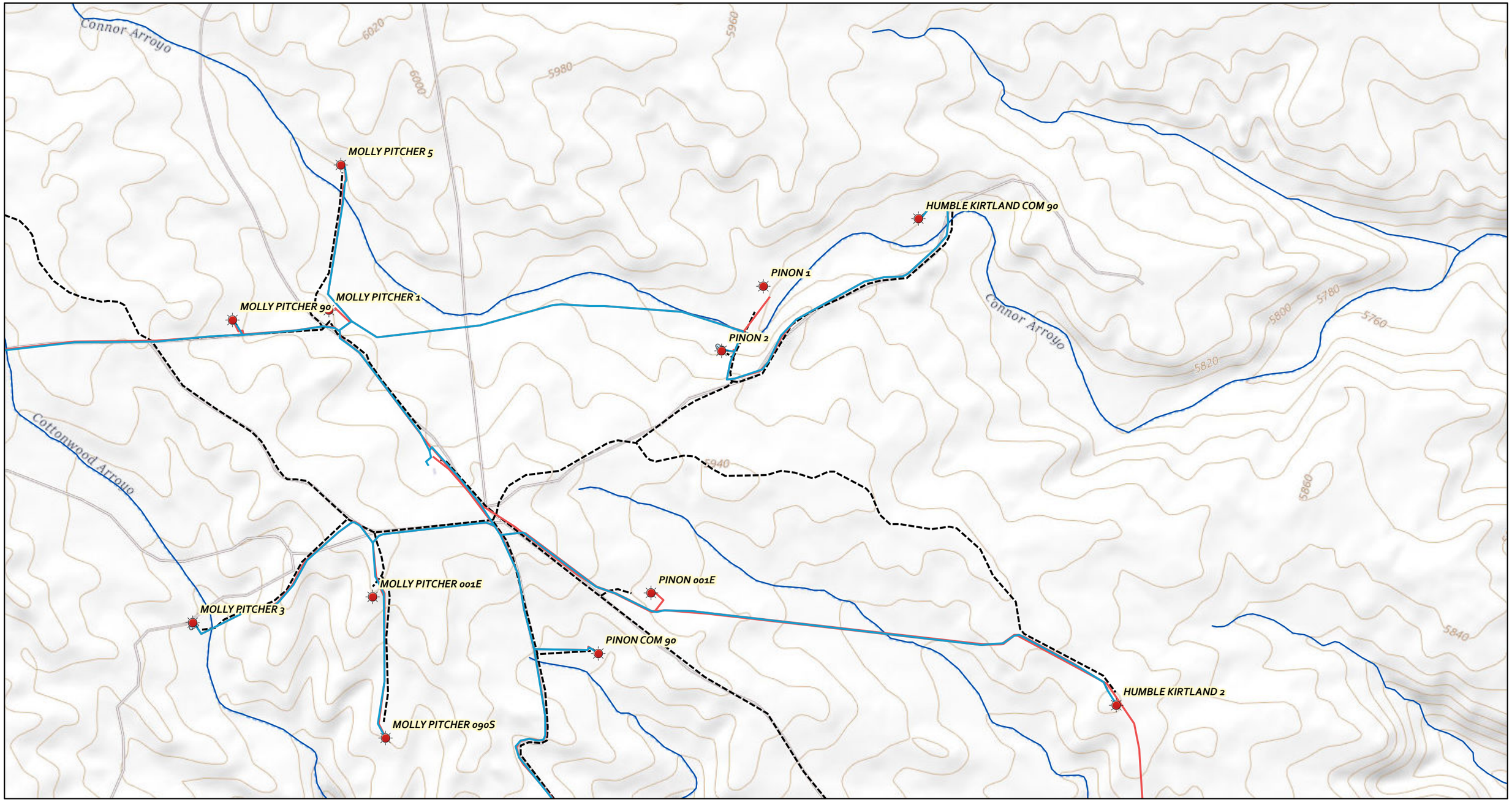
Lakes, Ponds, Reservoirs, and Estuaries

0 0.17 0.35 0.7 mi

0 0.28 0.55 1.1 km

USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS

Pinon 2 Spill Site Topo Map



3/12/2024, 10:28:13 AM

WELLS
- GAS

PIPELINES
- GAS

- WATER
- ROADS
- SPILLS\LEAKS

RIVERS, STREAMS, WASHES
- 0 - 5,000
- Ephemeral/Intermittent

1:9,028

0 0.07 0.15 0.3 mi

0 0.13 0.25 0.5 km

USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS

National Flood Hazard Layer FIRMette

FEMA

108°16'12"W 36°49'12"N

108°15'34"W 36°48'43"N

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

1:6,000

Basemap Imagery Source: USGS National Map 2023

Legend

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

- **SPECIAL FLOOD HAZARD AREAS**
  - Without Base Flood Elevation (BFE) *Zone A, V, A99*
  - With BFE or Depth *Zone AE, AO, AH, VE, AR*
  - Regulatory Floodway
- **OTHER AREAS OF FLOOD HAZARD**
  - 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
  - Future Conditions 1% Annual Chance Flood Hazard *Zone X*
  - Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
  - Area with Flood Risk due to Levee *Zone D*
- **OTHER AREAS**
  - NO SCREEN Area of Minimal Flood Hazard *Zone X*
  - Effective LOMRs
  - Area of Undetermined Flood Hazard *Zone D*
- **GENERAL STRUCTURES**
  - Channel, Culvert, or Storm Sewer
  - Levee, Dike, or Floodwall
- **OTHER FEATURES**
  - 20.2 Cross Sections with 1% Annual Chance
  - 17.5 Water Surface Elevation
  - Coastal Transect
  - 513 Base Flood Elevation Line (BFE)
  - Limit of Study
  - Jurisdiction Boundary
  - Coastal Transect Baseline
  - Profile Baseline
  - Hydrographic Feature
- **MAP PANELS**
  - Digital Data Available
  - No Digital Data Available
  - Unmapped

N

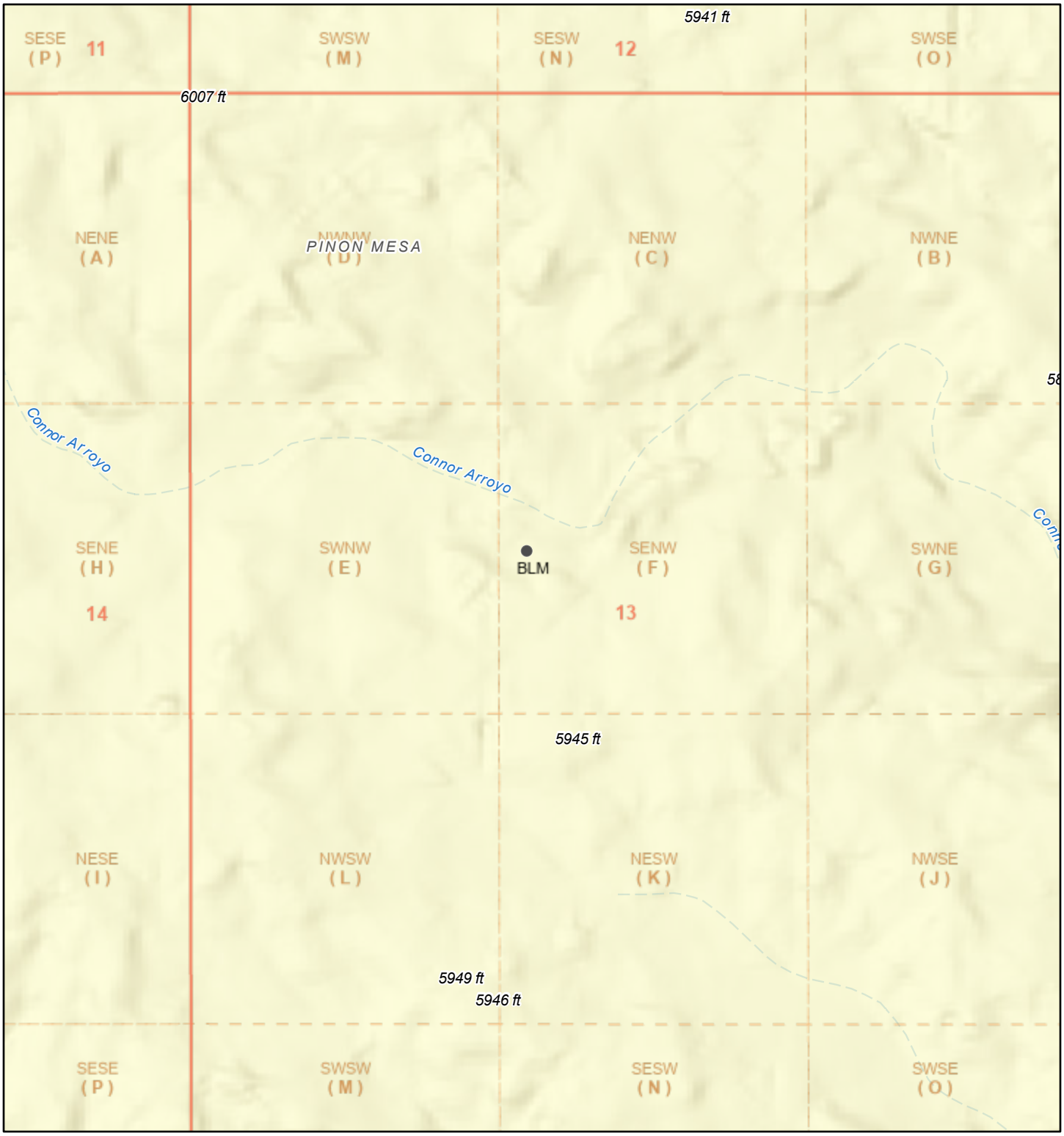
The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 2/29/2024 at 1:18 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.

Pinon 2 Underground Mines



2/29/2024, 11:20:24 AM

1:9,028

0 0.05 0.1 0.2 mi

0 0.07 0.15 0.3 km

Land Ownership

BLM

PLSS Second Division

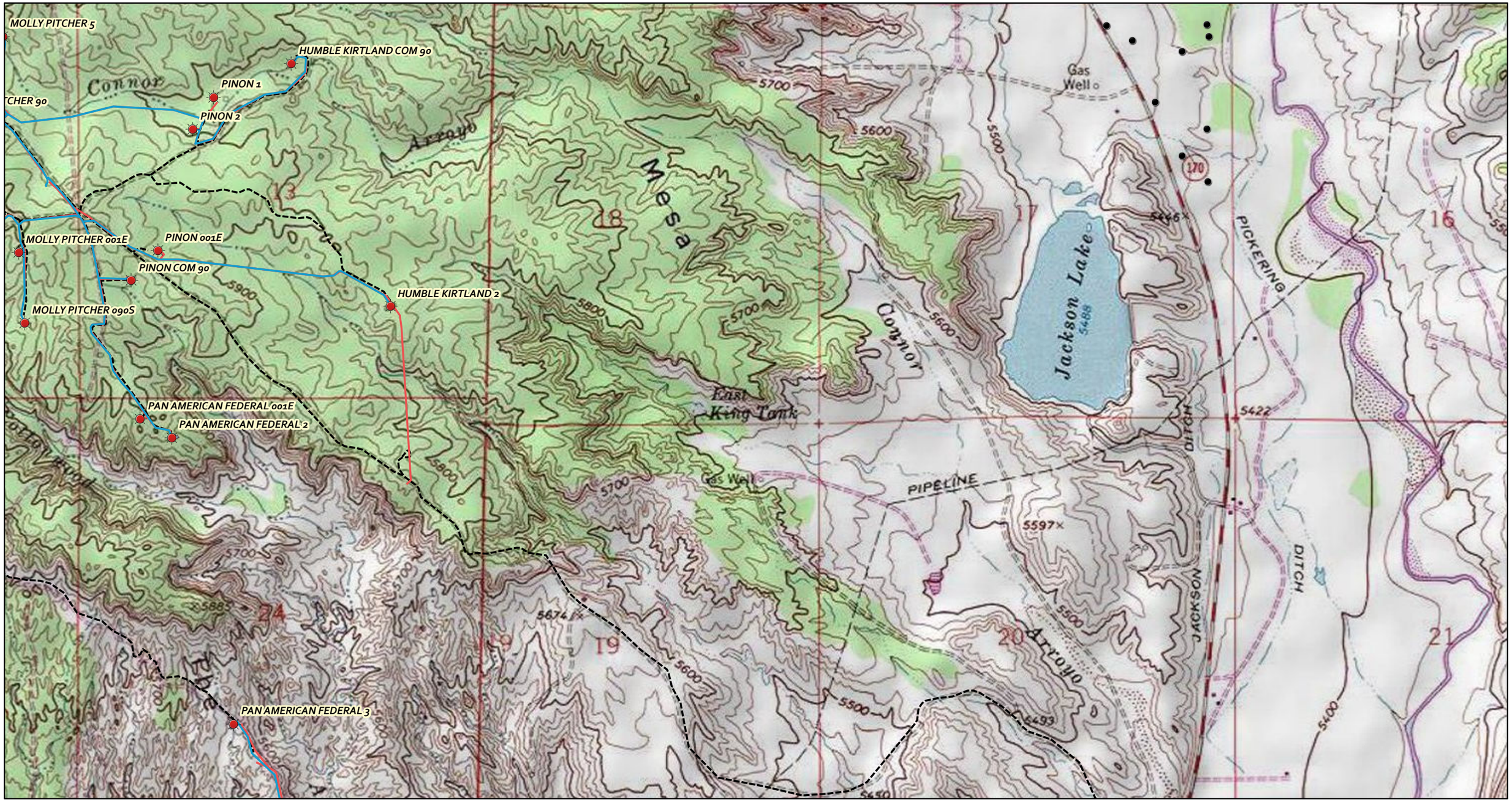
PLSS First Division

U.S. BLM, Esri, NASA, NGA, USGS, FEMA, Esri Community Maps Contributors, City of Farmington, San Juan County, NM, © OpenStreetMap, Microsoft, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, Bureau of Land Management, EPA, NPS, US Census Bureau, USDA, USFWS, BLM

EMNRD MMD GIS Coordinator

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

Pinon 2 Depth to Groundwater Map



3/12/2024, 10:20:34 AM

WELLS
- GAS

PIPELINES
- GAS

- WATER
- ROADS
- STATE OF NM - Points of Diversion
- SPILLS\LEAKS

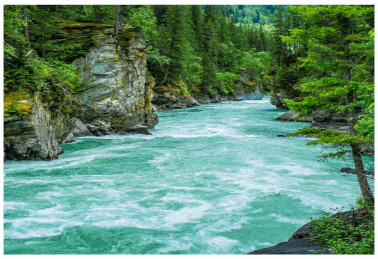
1:18,056

0 0.17 0.35 0.7 mi

0 0.28 0.55 1.1 km

Report to:

Kevin Smaka



5796 U.S. Hwy 64
Farmington, NM 87401

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

NELAP ACCREDITED TNI LABORATORY

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Dugan Production Corp.

Project Name: Pinon 2

Work Order: E403011

Job Number: 06094-0177

Received: 3/1/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/6/24

Date Reported: 3/6/24

Kevin Smaka
PO Box 420
Farmington, NM 87499

Project Name: Pinon 2
Workorder: E403011
Date Received: 3/1/2024 3:05:00PM

Kevin Smaka,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/1/2024 3:05:00PM, under the Project Name: Pinon 2.

The analytical test results summarized in this report with the Project Name: Pinon 2 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Table of Contents (continued)

Sample Summary

Dugan Production Corp.	Project Name:	Pinon 2	**Reported:**
PO Box 420	Project Number:	06094-0177	
Farmington NM, 87499	Project Manager:	Kevin Smaka	03/06/24 13:02

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
P1	E403011-01A	Soil	03/01/24	03/01/24	Glass Jar, 2 oz.
P2	E403011-02A	Soil	03/01/24	03/01/24	Glass Jar, 2 oz.
P3	E403011-03A	Soil	03/01/24	03/01/24	Glass Jar, 2 oz.
P4	E403011-04A	Soil	03/01/24	03/01/24	Glass Jar, 2 oz.
P5	E403011-05A	Soil	03/01/24	03/01/24	Glass Jar, 2 oz.
P6	E403011-06A	Soil	03/01/24	03/01/24	Glass Jar, 2 oz.
P7	E403011-07A	Soil	03/01/24	03/01/24	Glass Jar, 2 oz.
P8	E403011-08A	Soil	03/01/24	03/01/24	Glass Jar, 2 oz.
P9	E403011-09A	Soil	03/01/24	03/01/24	Glass Jar, 2 oz.
P10	E403011-10A	Soil	03/01/24	03/01/24	Glass Jar, 2 oz.
P11	E403011-11A	Soil	03/01/24	03/01/24	Glass Jar, 2 oz.
P12	E403011-12A	Soil	03/01/24	03/01/24	Glass Jar, 2 oz.
P13	E403011-13A	Soil	03/01/24	03/01/24	Glass Jar, 2 oz.
P14	E403011-14A	Soil	03/01/24	03/01/24	Glass Jar, 2 oz.
P15	E403011-15A	Soil	03/01/24	03/01/24	Glass Jar, 2 oz.
P16	E403011-16A	Soil	03/01/24	03/01/24	Glass Jar, 2 oz.

Sample Data

Dugan Production Corp.	Project Name:	Pinon 2	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	3/6/2024 1:02:52PM

P1

E403011-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2410021
Benzene	ND	0.0250	1	03/04/24	03/05/24	
Ethylbenzene	ND	0.0250	1	03/04/24	03/05/24	
Toluene	ND	0.0250	1	03/04/24	03/05/24	
o-Xylene	ND	0.0250	1	03/04/24	03/05/24	
p,m-Xylene	ND	0.0500	1	03/04/24	03/05/24	
Total Xylenes	ND	0.0250	1	03/04/24	03/05/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.8 %*	*70-130*	*03/04/24*	*03/05/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2410021
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/24	03/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.5 %*	*70-130*	*03/04/24*	*03/05/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2410036
Diesel Range Organics (C10-C28)	ND	25.0	1	03/05/24	03/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/05/24	03/05/24	
Surrogate: n-Nonane		*101 %*	*50-200*	*03/05/24*	*03/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2410026
Chloride	ND	20.0	1	03/04/24	03/04/24	

Sample Data

Dugan Production Corp.	Project Name:	Pinon 2	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	3/6/2024 1:02:52PM

P2

E403011-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2410021
Benzene	ND	0.0250	1	03/04/24	03/05/24	
Ethylbenzene	ND	0.0250	1	03/04/24	03/05/24	
Toluene	ND	0.0250	1	03/04/24	03/05/24	
o-Xylene	ND	0.0250	1	03/04/24	03/05/24	
p,m-Xylene	ND	0.0500	1	03/04/24	03/05/24	
Total Xylenes	ND	0.0250	1	03/04/24	03/05/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.0 %*	*70-130*	*03/04/24*	*03/05/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2410021
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/24	03/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.8 %*	*70-130*	*03/04/24*	*03/05/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2410036
Diesel Range Organics (C10-C28)	ND	25.0	1	03/05/24	03/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/05/24	03/05/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*03/05/24*	*03/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2410026
Chloride	ND	20.0	1	03/04/24	03/04/24	

Sample Data

Dugan Production Corp.	Project Name:	Pinon 2	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	3/6/2024 1:02:52PM

P3

E403011-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2410021
Benzene	ND	0.0250	1	03/04/24	03/05/24	
Ethylbenzene	ND	0.0250	1	03/04/24	03/05/24	
Toluene	ND	0.0250	1	03/04/24	03/05/24	
o-Xylene	ND	0.0250	1	03/04/24	03/05/24	
p,m-Xylene	ND	0.0500	1	03/04/24	03/05/24	
Total Xylenes	ND	0.0250	1	03/04/24	03/05/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.4 %*	*70-130*	*03/04/24*	*03/05/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2410021
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/24	03/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.2 %*	*70-130*	*03/04/24*	*03/05/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2410036
Diesel Range Organics (C10-C28)	ND	25.0	1	03/05/24	03/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/05/24	03/05/24	
Surrogate: n-Nonane		*102 %*	*50-200*	*03/05/24*	*03/05/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2410026
Chloride	ND	20.0	1	03/04/24	03/04/24	

Sample Data

Dugan Production Corp.	Project Name:	Pinon 2	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	3/6/2024 1:02:52PM

P4

E403011-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2410021
Benzene	ND	0.0250	1	03/04/24	03/05/24	
Ethylbenzene	ND	0.0250	1	03/04/24	03/05/24	
Toluene	ND	0.0250	1	03/04/24	03/05/24	
o-Xylene	ND	0.0250	1	03/04/24	03/05/24	
p,m-Xylene	ND	0.0500	1	03/04/24	03/05/24	
Total Xylenes	ND	0.0250	1	03/04/24	03/05/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.3 %*	*70-130*	*03/04/24*	*03/05/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2410021
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/24	03/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.5 %*	*70-130*	*03/04/24*	*03/05/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2410036
Diesel Range Organics (C10-C28)	ND	25.0	1	03/05/24	03/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/05/24	03/06/24	
Surrogate: n-Nonane		*101 %*	*50-200*	*03/05/24*	*03/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2410026
Chloride	ND	20.0	1	03/04/24	03/04/24	

Sample Data

Dugan Production Corp.	Project Name:	Pinon 2	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	3/6/2024 1:02:52PM

P5

E403011-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2410021
Benzene	ND	0.0250	1	03/04/24	03/05/24	
Ethylbenzene	ND	0.0250	1	03/04/24	03/05/24	
Toluene	ND	0.0250	1	03/04/24	03/05/24	
o-Xylene	ND	0.0250	1	03/04/24	03/05/24	
p,m-Xylene	ND	0.0500	1	03/04/24	03/05/24	
Total Xylenes	ND	0.0250	1	03/04/24	03/05/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.0 %*	*70-130*	*03/04/24*	*03/05/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2410021
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/24	03/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.5 %*	*70-130*	*03/04/24*	*03/05/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2410036
Diesel Range Organics (C10-C28)	ND	25.0	1	03/05/24	03/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/05/24	03/06/24	
Surrogate: n-Nonane		*104 %*	*50-200*	*03/05/24*	*03/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2410026
Chloride	ND	20.0	1	03/04/24	03/04/24	

Sample Data

Dugan Production Corp.	Project Name:	Pinon 2	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	3/6/2024 1:02:52PM

P6

E403011-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2410021
Benzene	ND	0.0250	1	03/04/24	03/05/24	
Ethylbenzene	ND	0.0250	1	03/04/24	03/05/24	
Toluene	ND	0.0250	1	03/04/24	03/05/24	
o-Xylene	ND	0.0250	1	03/04/24	03/05/24	
p,m-Xylene	ND	0.0500	1	03/04/24	03/05/24	
Total Xylenes	ND	0.0250	1	03/04/24	03/05/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.5 %*	*70-130*	*03/04/24*	*03/05/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2410021
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/24	03/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.4 %*	*70-130*	*03/04/24*	*03/05/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2410036
Diesel Range Organics (C10-C28)	ND	25.0	1	03/05/24	03/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/05/24	03/06/24	
Surrogate: n-Nonane		*98.5 %*	*50-200*	*03/05/24*	*03/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2410026
Chloride	ND	20.0	1	03/04/24	03/04/24	

Sample Data

Dugan Production Corp.	Project Name:	Pinon 2	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	3/6/2024 1:02:52PM

P7

E403011-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2410021
Benzene	ND	0.0250	1	03/04/24	03/05/24	
Ethylbenzene	ND	0.0250	1	03/04/24	03/05/24	
Toluene	ND	0.0250	1	03/04/24	03/05/24	
o-Xylene	ND	0.0250	1	03/04/24	03/05/24	
p,m-Xylene	ND	0.0500	1	03/04/24	03/05/24	
Total Xylenes	ND	0.0250	1	03/04/24	03/05/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.0 %*	*70-130*	*03/04/24*	*03/05/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2410021
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/24	03/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.6 %*	*70-130*	*03/04/24*	*03/05/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2410036
Diesel Range Organics (C10-C28)	ND	25.0	1	03/05/24	03/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/05/24	03/06/24	
Surrogate: n-Nonane		*102 %*	*50-200*	*03/05/24*	*03/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2410026
Chloride	ND	20.0	1	03/04/24	03/04/24	

Sample Data

Dugan Production Corp.	Project Name:	Pinon 2	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	3/6/2024 1:02:52PM

P8

E403011-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2410021
Benzene	ND	0.0250	1	03/04/24	03/05/24	
Ethylbenzene	ND	0.0250	1	03/04/24	03/05/24	
Toluene	ND	0.0250	1	03/04/24	03/05/24	
o-Xylene	ND	0.0250	1	03/04/24	03/05/24	
p,m-Xylene	ND	0.0500	1	03/04/24	03/05/24	
Total Xylenes	ND	0.0250	1	03/04/24	03/05/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.4 %*	*70-130*	*03/04/24*	*03/05/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2410021
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/24	03/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.0 %*	*70-130*	*03/04/24*	*03/05/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2410036
Diesel Range Organics (C10-C28)	ND	25.0	1	03/05/24	03/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/05/24	03/06/24	
Surrogate: n-Nonane		*102 %*	*50-200*	*03/05/24*	*03/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2410026
Chloride	ND	20.0	1	03/04/24	03/04/24	

Sample Data

Dugan Production Corp.	Project Name:	Pinon 2	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	3/6/2024 1:02:52PM

P9

E403011-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2410021
Benzene	ND	0.0250	1	03/04/24	03/05/24	
Ethylbenzene	ND	0.0250	1	03/04/24	03/05/24	
Toluene	ND	0.0250	1	03/04/24	03/05/24	
o-Xylene	ND	0.0250	1	03/04/24	03/05/24	
p,m-Xylene	ND	0.0500	1	03/04/24	03/05/24	
Total Xylenes	ND	0.0250	1	03/04/24	03/05/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.5 %*	*70-130*	*03/04/24*	*03/05/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2410021
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/24	03/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.9 %*	*70-130*	*03/04/24*	*03/05/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2410036
Diesel Range Organics (C10-C28)	ND	25.0	1	03/05/24	03/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/05/24	03/06/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*03/05/24*	*03/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2410026
Chloride	ND	20.0	1	03/04/24	03/04/24	

Sample Data

Dugan Production Corp.	Project Name:	Pinon 2	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	3/6/2024 1:02:52PM

P10

E403011-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2410021
Benzene	ND	0.0250	1	03/04/24	03/05/24	
Ethylbenzene	ND	0.0250	1	03/04/24	03/05/24	
Toluene	ND	0.0250	1	03/04/24	03/05/24	
o-Xylene	ND	0.0250	1	03/04/24	03/05/24	
p,m-Xylene	ND	0.0500	1	03/04/24	03/05/24	
Total Xylenes	ND	0.0250	1	03/04/24	03/05/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.9 %*	*70-130*	*03/04/24*	*03/05/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2410021
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/24	03/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.0 %*	*70-130*	*03/04/24*	*03/05/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2410036
Diesel Range Organics (C10-C28)	ND	25.0	1	03/05/24	03/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/05/24	03/06/24	
Surrogate: n-Nonane		*100 %*	*50-200*	*03/05/24*	*03/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2410026
Chloride	ND	20.0	1	03/04/24	03/04/24	

Sample Data

Dugan Production Corp.	Project Name:	Pinon 2	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	3/6/2024 1:02:52PM

P11

E403011-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2410021
Benzene	ND	0.0250	1	03/04/24	03/05/24	
Ethylbenzene	ND	0.0250	1	03/04/24	03/05/24	
Toluene	ND	0.0250	1	03/04/24	03/05/24	
o-Xylene	ND	0.0250	1	03/04/24	03/05/24	
p,m-Xylene	ND	0.0500	1	03/04/24	03/05/24	
Total Xylenes	ND	0.0250	1	03/04/24	03/05/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.9 %*	*70-130*	*03/04/24*	*03/05/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2410021
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/24	03/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.1 %*	*70-130*	*03/04/24*	*03/05/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2410036
Diesel Range Organics (C10-C28)	ND	25.0	1	03/05/24	03/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/05/24	03/06/24	
Surrogate: n-Nonane		*97.7 %*	*50-200*	*03/05/24*	*03/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2410026
Chloride	ND	20.0	1	03/04/24	03/04/24	

Sample Data

Dugan Production Corp.	Project Name:	Pinon 2	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	3/6/2024 1:02:52PM

P12

E403011-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2410021
Benzene	ND	0.0250	1	03/04/24	03/05/24	
Ethylbenzene	ND	0.0250	1	03/04/24	03/05/24	
Toluene	ND	0.0250	1	03/04/24	03/05/24	
o-Xylene	ND	0.0250	1	03/04/24	03/05/24	
p,m-Xylene	ND	0.0500	1	03/04/24	03/05/24	
Total Xylenes	ND	0.0250	1	03/04/24	03/05/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.7 %*	*70-130*	*03/04/24*	*03/05/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2410021
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/24	03/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.2 %*	*70-130*	*03/04/24*	*03/05/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2410036
Diesel Range Organics (C10-C28)	ND	25.0	1	03/05/24	03/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/05/24	03/06/24	
Surrogate: n-Nonane		*98.6 %*	*50-200*	*03/05/24*	*03/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2410026
Chloride	ND	20.0	1	03/04/24	03/04/24	

Sample Data

Dugan Production Corp.	Project Name:	Pinon 2	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	3/6/2024 1:02:52PM

P13

E403011-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2410021
Benzene	ND	0.0250	1	03/04/24	03/05/24	
Ethylbenzene	ND	0.0250	1	03/04/24	03/05/24	
Toluene	ND	0.0250	1	03/04/24	03/05/24	
o-Xylene	ND	0.0250	1	03/04/24	03/05/24	
p,m-Xylene	ND	0.0500	1	03/04/24	03/05/24	
Total Xylenes	ND	0.0250	1	03/04/24	03/05/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.2 %*	*70-130*	*03/04/24*	*03/05/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2410021
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/24	03/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.3 %*	*70-130*	*03/04/24*	*03/05/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2410036
Diesel Range Organics (C10-C28)	ND	25.0	1	03/05/24	03/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/05/24	03/06/24	
Surrogate: n-Nonane		*98.6 %*	*50-200*	*03/05/24*	*03/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2410026
Chloride	ND	20.0	1	03/04/24	03/04/24	

Sample Data

Dugan Production Corp.	Project Name:	Pinon 2	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	3/6/2024 1:02:52PM

P14

E403011-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2410021
Benzene	ND	0.0250	1	03/04/24	03/05/24	
Ethylbenzene	ND	0.0250	1	03/04/24	03/05/24	
Toluene	ND	0.0250	1	03/04/24	03/05/24	
o-Xylene	ND	0.0250	1	03/04/24	03/05/24	
p,m-Xylene	ND	0.0500	1	03/04/24	03/05/24	
Total Xylenes	ND	0.0250	1	03/04/24	03/05/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.4 %*	*70-130*	*03/04/24*	*03/05/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2410021
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/24	03/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.1 %*	*70-130*	*03/04/24*	*03/05/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2410036
Diesel Range Organics (C10-C28)	ND	25.0	1	03/05/24	03/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/05/24	03/06/24	
Surrogate: n-Nonane		*102 %*	*50-200*	*03/05/24*	*03/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2410026
Chloride	ND	20.0	1	03/04/24	03/04/24	

Sample Data

Dugan Production Corp.	Project Name:	Pinon 2	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	3/6/2024 1:02:52PM

P15

E403011-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2410021
Benzene	ND	0.0250	1	03/04/24	03/05/24	
Ethylbenzene	ND	0.0250	1	03/04/24	03/05/24	
Toluene	ND	0.0250	1	03/04/24	03/05/24	
o-Xylene	ND	0.0250	1	03/04/24	03/05/24	
p,m-Xylene	ND	0.0500	1	03/04/24	03/05/24	
Total Xylenes	ND	0.0250	1	03/04/24	03/05/24	
Surrogate: 4-Bromochlorobenzene-PID		*95.2 %*	*70-130*	*03/04/24*	*03/05/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2410021
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/24	03/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.4 %*	*70-130*	*03/04/24*	*03/05/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2410036
Diesel Range Organics (C10-C28)	ND	25.0	1	03/05/24	03/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/05/24	03/06/24	
Surrogate: n-Nonane		*101 %*	*50-200*	*03/05/24*	*03/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2410026
Chloride	ND	20.0	1	03/04/24	03/04/24	

Sample Data

Dugan Production Corp.	Project Name:	Pinon 2	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	3/6/2024 1:02:52PM

P16

E403011-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2410021
Benzene	ND	0.0250	1	03/04/24	03/05/24	
Ethylbenzene	ND	0.0250	1	03/04/24	03/05/24	
Toluene	ND	0.0250	1	03/04/24	03/05/24	
o-Xylene	ND	0.0250	1	03/04/24	03/05/24	
p,m-Xylene	ND	0.0500	1	03/04/24	03/05/24	
Total Xylenes	ND	0.0250	1	03/04/24	03/05/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.1 %*	*70-130*	*03/04/24*	*03/05/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2410021
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/24	03/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.3 %*	*70-130*	*03/04/24*	*03/05/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2410036
Diesel Range Organics (C10-C28)	ND	25.0	1	03/05/24	03/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/05/24	03/06/24	
Surrogate: n-Nonane		*107 %*	*50-200*	*03/05/24*	*03/06/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF			Batch: 2410026
Chloride	ND	20.0	1	03/04/24	03/04/24	

QC Summary Data

Dugan Production Corp.	Project Name:	Pinon 2	**Reported:**
PO Box 420	Project Number:	06094-0177	
Farmington NM, 87499	Project Manager:	Kevin Smaka	3/6/2024 1:02:52PM

Volatile Organics by EPA 8021B

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2410021-BLK1)									Prepared: 03/04/24 Analyzed: 03/05/24
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	*7.64*		*8.00*		*95.5*	*70-130*			
LCS (2410021-BS1)									Prepared: 03/04/24 Analyzed: 03/05/24
Benzene	5.15	0.0250	5.00		103	70-130			
Ethylbenzene	5.14	0.0250	5.00		103	70-130			
Toluene	5.13	0.0250	5.00		103	70-130			
o-Xylene	5.07	0.0250	5.00		101	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.4	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.71*		*8.00*		*96.4*	*70-130*			
Matrix Spike (2410021-MS1)				**Source: E403011-07**					Prepared: 03/04/24 Analyzed: 03/05/24
Benzene	4.76	0.0250	5.00	ND	95.1	54-133			
Ethylbenzene	4.74	0.0250	5.00	ND	94.8	61-133			
Toluene	4.73	0.0250	5.00	ND	94.6	61-130			
o-Xylene	4.68	0.0250	5.00	ND	93.5	63-131			
p,m-Xylene	9.57	0.0500	10.0	ND	95.7	63-131			
Total Xylenes	14.2	0.0250	15.0	ND	95.0	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.73*		*8.00*		*96.6*	*70-130*			
Matrix Spike Dup (2410021-MSD1)				**Source: E403011-07**					Prepared: 03/04/24 Analyzed: 03/05/24
Benzene	5.03	0.0250	5.00	ND	101	54-133	5.57	20	
Ethylbenzene	5.00	0.0250	5.00	ND	100	61-133	5.30	20	
Toluene	5.00	0.0250	5.00	ND	99.9	61-130	5.46	20	
o-Xylene	4.93	0.0250	5.00	ND	98.6	63-131	5.26	20	
p,m-Xylene	10.0	0.0500	10.0	ND	100	63-131	4.89	20	
Total Xylenes	15.0	0.0250	15.0	ND	99.8	63-131	5.01	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.76*		*8.00*		*97.0*	*70-130*			

QC Summary Data

Dugan Production Corp.	Project Name:	Pinon 2	**Reported:**
PO Box 420	Project Number:	06094-0177	
Farmington NM, 87499	Project Manager:	Kevin Smaka	3/6/2024 1:02:52PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2410021-BLK1)									Prepared: 03/04/24 Analyzed: 03/05/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.77*		*8.00*		*97.1*	*70-130*			
LCS (2410021-BS2)									Prepared: 03/04/24 Analyzed: 03/05/24
Gasoline Range Organics (C6-C10)	49.7	20.0	50.0		99.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.75*		*8.00*		*96.8*	*70-130*			
Matrix Spike (2410021-MS2)				**Source: E403011-07**					Prepared: 03/04/24 Analyzed: 03/05/24
Gasoline Range Organics (C6-C10)	51.3	20.0	50.0	ND	103	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.91*		*8.00*		*98.9*	*70-130*			
Matrix Spike Dup (2410021-MSD2)				**Source: E403011-07**					Prepared: 03/04/24 Analyzed: 03/05/24
Gasoline Range Organics (C6-C10)	45.1	20.0	50.0	ND	90.3	70-130	12.7	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.74*		*8.00*		*96.7*	*70-130*			

QC Summary Data

Dugan Production Corp.	Project Name:	Pinon 2	**Reported:**
PO Box 420	Project Number:	06094-0177	
Farmington NM, 87499	Project Manager:	Kevin Smaka	3/6/2024 1:02:52PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2410036-BLK1)									Prepared: 03/05/24 Analyzed: 03/05/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*53.0*		*50.0*		*106*	*50-200*			
LCS (2410036-BS1)									Prepared: 03/05/24 Analyzed: 03/05/24
Diesel Range Organics (C10-C28)	291	25.0	250		116	38-132			
Surrogate: n-Nonane	*53.8*		*50.0*		*108*	*50-200*			
Matrix Spike (2410036-MS1)				**Source: E403011-02**					Prepared: 03/05/24 Analyzed: 03/05/24
Diesel Range Organics (C10-C28)	312	25.0	250	ND	125	38-132			
Surrogate: n-Nonane	*55.6*		*50.0*		*111*	*50-200*			
Matrix Spike Dup (2410036-MSD1)				**Source: E403011-02**					Prepared: 03/05/24 Analyzed: 03/05/24
Diesel Range Organics (C10-C28)	306	25.0	250	ND	122	38-132	2.00	20	
Surrogate: n-Nonane	*55.3*		*50.0*		*111*	*50-200*			

QC Summary Data

Dugan Production Corp.	Project Name:	Pinon 2	**Reported:**
PO Box 420	Project Number:	06094-0177	
Farmington NM, 87499	Project Manager:	Kevin Smaka	3/6/2024 1:02:52PM

Anions by EPA 300.0/9056A

Analyst: WF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2410026-BLK1)									Prepared: 03/04/24 Analyzed: 03/04/24
Chloride	ND	20.0							
LCS (2410026-BS1)									Prepared: 03/04/24 Analyzed: 03/04/24
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2410026-MS1)				**Source: E403011-01**					Prepared: 03/04/24 Analyzed: 03/04/24
Chloride	250	20.0	250	ND	100	80-120			
Matrix Spike Dup (2410026-MSD1)				**Source: E403011-01**					Prepared: 03/04/24 Analyzed: 03/04/24
Chloride	251	20.0	250	ND	100	80-120	0.0843	20	

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

Definitions and Notes

Dugan Production Corp.	Project Name:	Pinon 2	
PO Box 420	Project Number:	06094-0177	**Reported:**
Farmington NM, 87499	Project Manager:	Kevin Smaka	03/06/24 13:02

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.

Project Information | Chain of Custody | Page 1 of 2

Client:	Dugan
Project:	Pinon 2
Project Manager:	Kevin Smaka
Address:	
City, State, Zip	
Phone:	
Email:	
Report due by:	

Bill To

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

Lab Use Only

Lab WO#	Job Number
E403011	96094-0177

TAT

1D	2D	3D	Standard
		X	

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX
X				

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	TCEQ 1005- TX	Remarks
	3-1-24	S	1	P1	1							X		
			1	P2	2							X		
			1	P3	3							X		
			1	P4	4							X		
			1	P5	5							X		
			1	P6	6							X		
			1	P7	7						X	X		
			1	P8	8						X	X		
			1	P9	9						X	X		
			1	P10	10						X	X		

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Kevin Smaka	3-1-24	3:05		03-01-24	15:05
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only

Received on ice: (Y) / N

T1 ____ T2 ____ T3 ____

AVG Temp °C 4

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

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

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

envirotech

Project Information | Chain of Custody | Page 2 of 2

Client:	Dugan
Project:	Pinon 2
Project Manager:	Kevin Smaka
Address:	
City, State, Zip	
Phone:	
Email:	
Report due by:	

Bill To

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

Lab Use Only

Lab WO#	Job Number
E403011	06094-0177

TAT

1D	2D	3D	Standard
		X	

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX
X				

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	TCEQ 1005- TX	Remarks
	3-1-24	S	1	P 11	11						X	X		
				P 12	12						X	X		
				P 13	13						X	X		
				P 14	14						X	X		
				P 15	15						X	X		
				P 16	16						X	X		

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Kevin Smaka	3-1-24	3:05		03.01.24	15:05
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only

Received on ice: (Y) / N

T1 ____ T2 ____ T3 ____

AVG Temp °C 4

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

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 3/4/2024 11:29:38AM

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:	03/01/24 15:05	Work Order ID:	E403011
Phone:	505-486-6207	Date Logged In:	03/02/24 10:11	Logged In By:	Alexa Michaels
Email:	kevin.smaka@duganproduction.com	Due Date:	03/06/24 17:00 (3 day TAT)		

Chain of Custody (COC)

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

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Comments/Resolution

Time sampled is not documented on the COC by client.

Client Instruction

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

Date

envirotech Inc.


WGS84 36.81615,
±16ft -108.26442
ft
±11ft 5904
°,T
±12 W277
01Mar24 10:24 Ad-hoc
Farmington NM 87401, United States 01-Mar-24 10:24:38


WGS84
±16ft
36.81615, -108.26461
ft
±11ft
5901
°T
±12
E97
01Mar24 10:25 Ad-hoc
Farmington NM 87401, United States @ 01-Mar-24 10:25:14


WGS84 36.81611,
±16ft -108.26459
ft
±11ft 5904
°,T
±12 E97
01Mar24 10:25 Ad-hoc
Farmington NM 87401, United States
01-Mar-24 10:25:24

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

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

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

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

POD Number		POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
SJ 00293		SJLP	SJ			2	08	30N	13W	212481	4081034*	50	30	20
SJ 00328		SJLP	SJ			2	08	30N	13W	212481	4081034*	33	21	12
SJ 00369		SJLP	SJ			2	08	30N	13W	212481	4081034*	47	28	19
SJ 00374		SJLP	SJ		2	4	08	30N	13W	212651	4080421*		56	
SJ 00587		SJLP	SJ	2	4	3	08	30N	13W	211941	4080134*	72	48	24
SJ 00855		SJLP	SJ		1	2	08	30N	13W	212296	4081236*	50	25	25
SJ 00877		SJLP	SJ			2	08	30N	13W	212481	4081034*	60	30	30
SJ 01068		SJLP	SJ		1	2	08	30N	13W	212296	4081236*	53	28	25
SJ 01101		SJLP	SJ			1	08	30N	13W	211678	4081050*	41	26	15
SJ 01463		SJLP	SJ			2	08	30N	13W	212481	4081034*	52	30	22
SJ 02268		SJLP	SJ			2	08	30N	13W	212481	4081034*	30	21	9
SJ 02326		SJLP	SJ	3	1	2	08	30N	13W	212195	4081135*	42	35	7
SJ 02396		SJLP	SJ		4	4	08	30N	13W	212630	4080017*	30	10	20
SJ 02397		SJLP	SJ		4	4	08	30N	13W	212630	4080017*	31	15	16
SJ 02565 POD1	R	SJLP	SJ	2	2	2	17	30N	13W	212717	4079715*	22		
SJ 02574		SJLP	SJ	4	4	2	17	30N	13W	212704	4079115*	26	9	17
SJ 02735		SJLP	SJ	4	3	2	08	30N	13W	212379	4080732*	43	23	20
SJ 02823		SJLP	SJ	3	4	4	08	30N	13W	212529	4079916*	40		
SJ 02919		SJLP	SJ	4	3	4	08	30N	13W	212346	4079925*	45		
SJ 02943		SJLP	SJ	2	1	2	17	30N	13W	212330	4079724*	60		
SJ 03017		SJLP	SJ	2	4	2	17	30N	13W	212704	4079315*	37	20	17
SJ 03029		SJLP	SJ	1	2	2	17	30N	13W	212431	4079666	65	45	20
SJ 03160		SJLP	SJ	4	1	4	08	30N	13W	212362	4080329*	60	8	52
SJ 03195		SJLP	SJ	1	1	4	08	30N	13W	212162	4080529*	60	35	25
SJ 03196		SJLP	SJ	2	1	4	08	30N	13W	212362	4080529*	41	20	21
SJ 03326		SJLP	SJ	3	3	1	08	30N	13W	211376	4080748*	55	30	25

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

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

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

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

POD Number	POD Sub-basin Code	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
SJ 03328	SJLP	SJ	1	1	4	08	30N	13W	212162	4080529*	60		
SJ 04538 POD1	SJAR	SJ	2	1	2	08	30N	13W	212465	4081251	100		

Average Depth to Water: **26 feet**

Minimum Depth: **8 feet**

Maximum Depth: **56 feet**

Record Count: 28

Basin/County Search:

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

PLSS Search:

Section(s): 8, 17 **Township:** 30N **Range:** 13W

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

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

No records found.

Basin/County Search:

Basin: San Juan

PLSS Search:

Section(s): 13 **Township:** 30N **Range:** 14W

Notice of Sampling
Piñon #2 - nAPP2313557273

Tyra Feil

From: OCDOnline@state.nm.us
Sent: Thursday, February 29, 2024 10:03 AM
To: Tyra Feil
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 318963

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or clicking links, especially from unknown senders.

To whom it may concern (c/o Tyra Feil for DUGAN PRODUCTION CORP),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2313557273.

The sampling event is expected to take place:

When: 03/01/2024 @ 10:00
Where: F-13-30N-14W 1940 FNL 1435 FWL (36.816082,-108.264534)

Additional Information: Contact Kevin Smaka for information regarding samplers - 505-486-6207

Additional Instructions: Lat. 36.816082, Long. -108.264534

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

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

QUESTIONS

Action 339291

QUESTIONS

Operator: DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	OGRID: 6515
	Action Number: 339291
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2313557273**
Incident Name	**NAPP2313557273 PINON #2 @ 30-045-30920**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Closure Report Received**
Incident Well	**[30-045-30920] PINON #002**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	PINON #2
Date Release Discovered	05/10/2023
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
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	
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.	
Crude Oil Released (bbls) Details	*Not answered.*
Produced Water Released (bbls) Details	Cause: Other | Valve | Produced Water | Released: 21 BBL | Recovered: 0 BBL | Lost: 21 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.*

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

QUESTIONS (continued)

Operator: DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	OGRID: 6515
	Action Number: 339291
	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: 05/01/2024

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

QUESTIONS (continued)

Operator: DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	OGRID: 6515
	Action Number: 339291
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
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.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 500 and 1000 (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 100 and 200 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (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	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
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	
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.	
Requesting a remediation plan approval with this submission	Yes
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.	
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
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.	
On what estimated date will the remediation commence	05/10/2023
On what date will (or did) the final sampling or liner inspection occur	03/01/2024
On what date will (or was) the remediation complete(d)	02/21/2024
What is the estimated surface area (in square feet) that will be reclaimed	1094
What is the estimated volume (in cubic yards) that will be reclaimed	3.4
What is the estimated surface area (in square feet) that will be remediated	1094
What is the estimated volume (in cubic yards) that will be remediated	3.4
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.	
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.	

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

QUESTIONS (continued)

Operator: DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	OGRID: 6515
	Action Number: 339291
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
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.	
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
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 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: 05/01/2024
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.	

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

QUESTIONS (continued)

Operator: DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	OGRID: 6515
	Action Number: 339291
	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

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

QUESTIONS (continued)

Operator: DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	OGRID: 6515
	Action Number: 339291
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**318963**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**03/01/2024**
What was the (estimated) number of samples that were to be gathered	**16**
What was the sampling surface area in square feet	**1094**

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	1094
What was the total volume (cubic yards) remediated	3.4
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	1094
What was the total volume (in cubic yards) reclaimed	3.4
Summarize any additional remediation activities not included by answers (above)	No additional comments

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: 05/01/2024

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

QUESTIONS (continued)

Operator: DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	OGRID: 6515
	Action Number: 339291
	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

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 339291

CONDITIONS

Operator: DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	OGRID: 6515
	Action Number: 339291
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	5/2/2024