Pima Environmental Services, LLC
5614 N. Lovington Hwy.
Hobbs, NM 88240
575-964-7740

October 3rd, 2022

NMOCD District 2
811 S. First Street
Artesia, NM 88210

Re: Site Assessment, Remediation, and Closure Report
Gilmore 24 #001
API No. 30-025-34141
GPS: Latitude 32.909729 Longitude -103.3012466
UL "H", Sec. 24, T16S, R36E
Lea County, NM
NMOCD Ref. No. NPAC0801452097

Pima Environmental Services, LLC (Pima) has been contracted by Armstrong Energy Corporation to perform a spill assessment, remediation activities, and submit this closure report for a crude oil release that occurred at the Gilmore 24 #001. The initial C-141 was submitted on September 8th, 2022 (Appendix C). This incident was assigned Incident ID NPAC0801452097, by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The Gilmore 24 #001 is located approximately three and a half (3.5) miles southeast of Lovington, NM. This spill site is in Unit H, Section 24, Township 16S, Range 36E, Latitude 32.909729, Longitude -103.3012466, Lea County, NM. Figure 1 references a Location map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is in the Ogallala Formation (Lower Pliocene to Middle Miocene). The soil in this area is made up of Pyote soils and Dune land, 0 to 3 percent slopes according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage courses in this area are well-drained. There is a low potential for karst geology to be present around the Gilmore 24 #001 (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 282 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is 253 feet BGS. The closest waterway is a manmade pond located approximately 1.7 miles to the northwest of this location. See Appendix A for referenced water surveys.

Table 1 NMAC and Closure Criteria 19.15.29					
Depth to Groundwater (Appendix A)	Constituent & Limits				
	Chlorides	Total TPH	GRO+DRO	BTEX	Benzene
<50'(No GW Data)	600 mg/kg	100 mg/kg		50 mg/kg	10 mg/kg
51-100'	10,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg
>100'	20,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg

Reference Figure 2 for a Topographic map.

Release Information

NPAC0801452097: On January 4th, 2008, a separator valve froze, and 60-barrels of produced water was released. Armstrong personnel responded to the incident and managed to recover 52 barrels of produced water.

Site Assessment and Soil Sampling Results

On September 19th, 2022, Pima Environmental Services mobilized personnel to the site to conduct delineation activities. Pima sampled the area between the point of release and the separators. Laboratory results of this sampling event can be found in the following data table.

9-19-22 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
ARMSTRONG ENERGY CORPORATION - GILMORE 24 #001								
Sample Date: 9/19/2022		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
S-1	Surface	ND	ND	ND	ND	ND	0	ND
	1'	ND	ND	ND	ND	ND	0	42.4
S-2	Surface	ND	ND	ND	ND	ND	0	29.7
	1'	ND	ND	ND	ND	ND	0	ND
S-3	Surface	ND	ND	ND	ND	ND	0	ND
	1'	ND	ND	ND	ND	ND	0	ND
S-4	Surface	ND	ND	ND	ND	ND	0	30.5
	1'	ND	ND	ND	ND	ND	0	26.3
S-5	Surface	ND	ND	ND	ND	ND	0	ND
	1'	ND	ND	ND	ND	ND	0	ND
SW 1	6"	ND	ND	ND	ND	ND	0	ND
SW 2	6"	ND	ND	ND	ND	ND	0	ND
SW 3	6"	ND	ND	ND	ND	ND	0	ND
SW 4	6"	ND	ND	ND	ND	ND	0	24.6
BG 1	6"	ND	ND	ND	ND	ND	0	ND
BG 2	6"	ND	ND	ND	ND	ND	0	ND

ND: Non-Detect

Complete laboratory reports can be found in Appendix E.

Remediation Activities

Due to analytical levels falling below NMOCD closure criteria, no further immediate action is required. Pima Environmental will address any superficial staining surrounding the production equipment.

Closure Request

After careful review, Pima requests that this incident, NPAC0801452097, be closed. Armstrong Energy Corporation has complied with the applicable closure requirements set forth in rule 19.15.19.12 NMAC.

Should you have any questions or need additional information, please feel free to contact Sebastian Orozco at 619-721-4813 or Sebastian@pimaoil.com.

Respectfully,

Sebastian Orozco

Sebastian Orozco
Environmental Project Manager
Pima Environmental Services, LLC

Attachments

Figures:
1- Location Map
2- Topographic Map
3- Karst Map
4- Site Map

Appendices:
Appendix A – Referenced Water Surveys
Appendix B – Soil Survey and Geological Data
Appendix C – C-141 Form and 48-Hour Notification
Appendix D – Photographic Documentation
Appendix E – Laboratory Reports

Pima Environmental Services

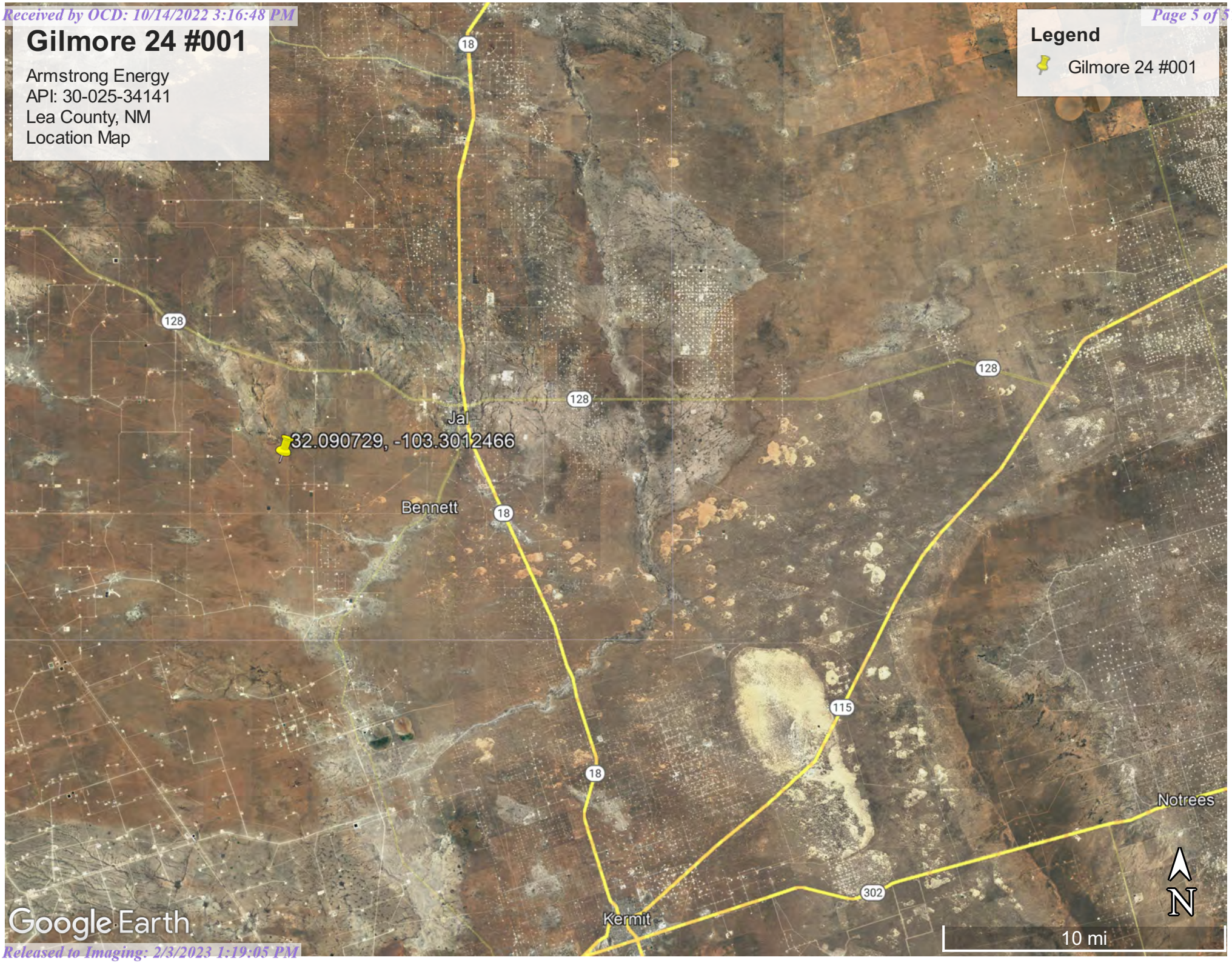
Figures:

1-Location Map

2-Topographic Map

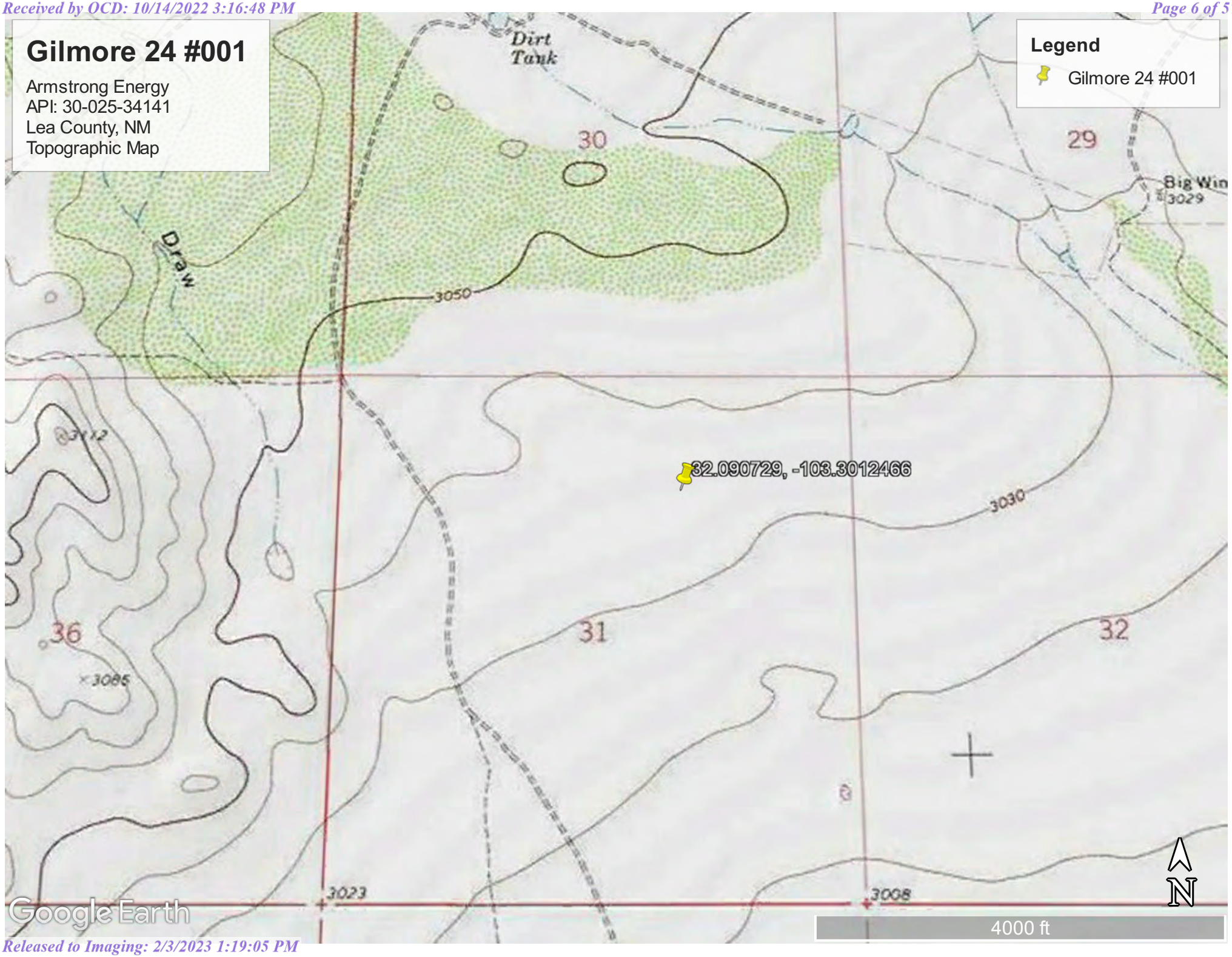
3-Karst Map

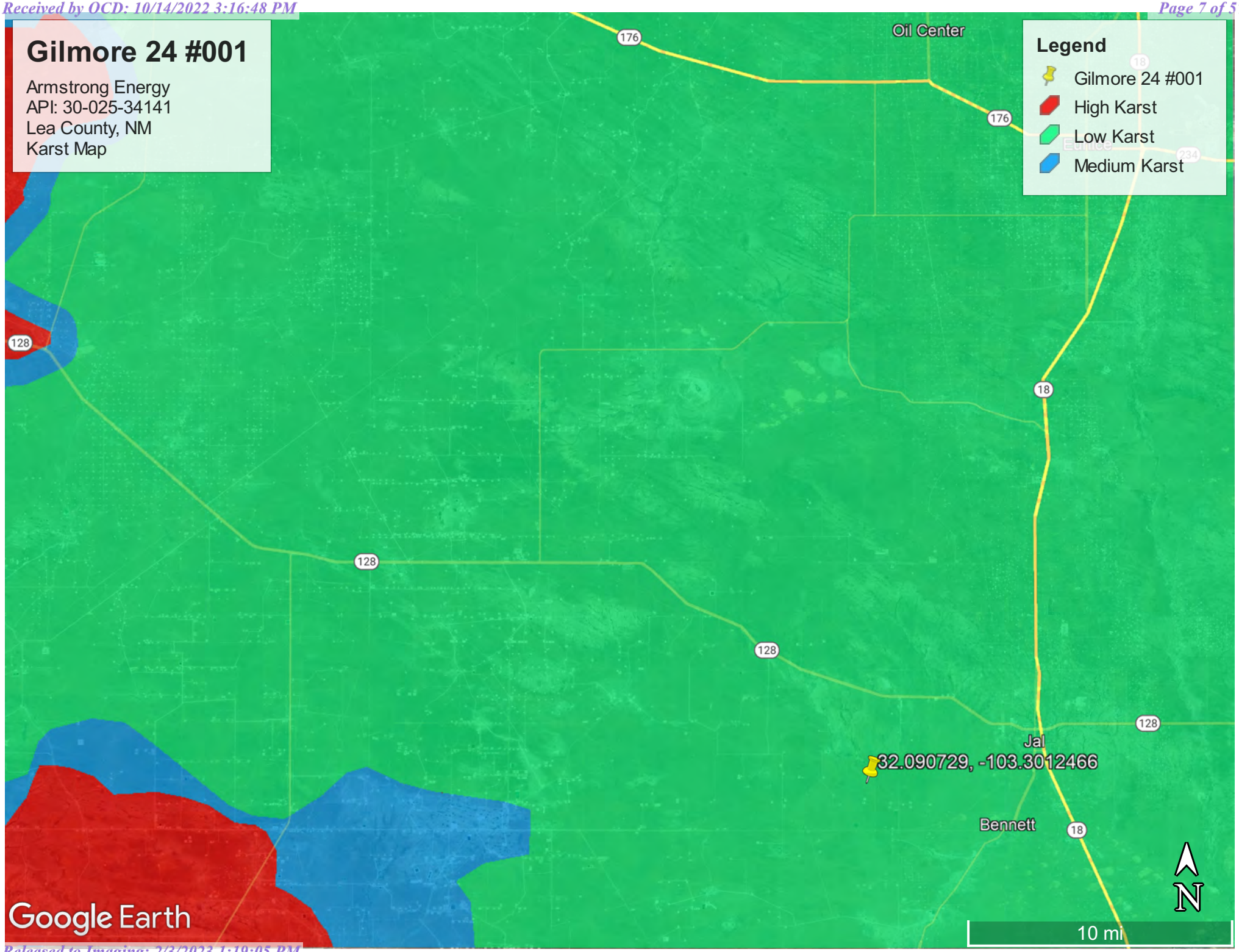
4-Site Map


Gilmore 24 #001
Armstrong Energy
API: 30-025-34141
Lea County, NM
Location Map
Legend
Gilmore 24 #001
32.090729, -103.3012466
Jal
Bennett
Kermit
Notrees
18
128
115
302
N
10 mi
Google Earth

Gilmore 24 #001

Armstrong Energy
API: 30-025-34141
Lea County, NM
Topographic Map




Gilmore 24 #001
Armstrong Energy
API: 30-025-34141
Lea County, NM
Karst Map
Legend
Gilmore 24 #001
High Karst
Low Karst
Medium Karst
Oil Center
Eunice
Jal
Bennett
32.090729, -103.3012466
176
128
18
234
N
10 mi
Google Earth

Gilmore 24 #001

Armstrong Energy Corporation
API:30-025-34141
H-24-16S-36E
Lea County, NM
Site Map

Pima Environmental Services

Appendix A

Water Surveys:

OSE

USGS

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	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 00858 POD2		CP	LE	1	1	4	29	25S	36E	661690	3552765	1710	600	282	318
CP 00858 POD1		CP	LE		1	4	29	25S	36E	661828	3552752	1816			
CP 01263 POD3		CP	LE	4	1	3	06	26S	36E	660038	3549729	2043	516	240	276
CP 01446 POD1		CP	LE				05	26S	36E	662412	3551106	2200	4975		
CP 00857 POD1		CP	LE	1	2	2	05	26S	36E	662244	3550380	2373	365		
CP 01351 POD1		CP	LE	4	4	4	06	26S	36E	660855	3549021	2786	600	267	333
CP 01285 POD1		CP	LE	4	3	3	05	26S	36E	661070	3548991	2866	511	250	261
CP 01170 POD1		CP	LE	3	3	3	06	26S	36E	659282	3548984	2954	500	280	220
CP 01170 POD1	C	CP	LE	3	3	3	06	26S	36E	659282	3548984	2954	500	280	220
CP 01267 POD1		CP	LE	3	4	3	06	26S	36E	659759	3548807	2998	585	200	385
CP 01170 POD5		CP	LE	2	2	2	19	25S	36E	660687	3555164	3430	505	270	235
CP 00938 POD1		CP	LE	4	4	4	33	25S	36E	663938	3550580	3814	360	80	280
J 00011 S		J	LE	2	1	4	08	26S	36E	662005	3548023*	4098	757	225	532
J 00011		J	LE	3	1	4	08	26S	36E	661805	3547823*	4206	563		
J 00011 S2		J	LE	2	3	4	08	26S	36E	661943	3547557	4504	835	209	626
J 00005 POD1		J	LE	2	2	2	13	26S	35E	659200	3547174*	4712	601	230	371
CP 01305 POD1		CP	LE		1	4	31	25S	37E	655628	3551065	4731	420	230	190
J 00011 S4		J	LE	4	2	3	09	26S	36E	663113	3547942	4731	550	137	413
J 00011 S3		J	LE	2	3	3	09	26S	36E	662746	3547677	4749	546	135	411

Average Depth to Water: **221 feet**
Minimum Depth: **80 feet**
Maximum Depth: **282 feet**

Record Count: 19

UTMNAD83 Radius Search (in meters):

Easting (X): 660309.3 **Northing (Y):** 3551754.57 **Radius:** 5000

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

National Water Information System: Web Interface

USGS Water Resources

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

Click to hideNews Bulletins

- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Attention current WaterAlert users: NextGen WaterAlert is replacing Legacy WaterAlert. You must take action before 9/30/2022 to retain your alerts. Read more.
- Full News

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

site_no list =

- 320434103163501

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 320434103163501 25S.36E.33.33323

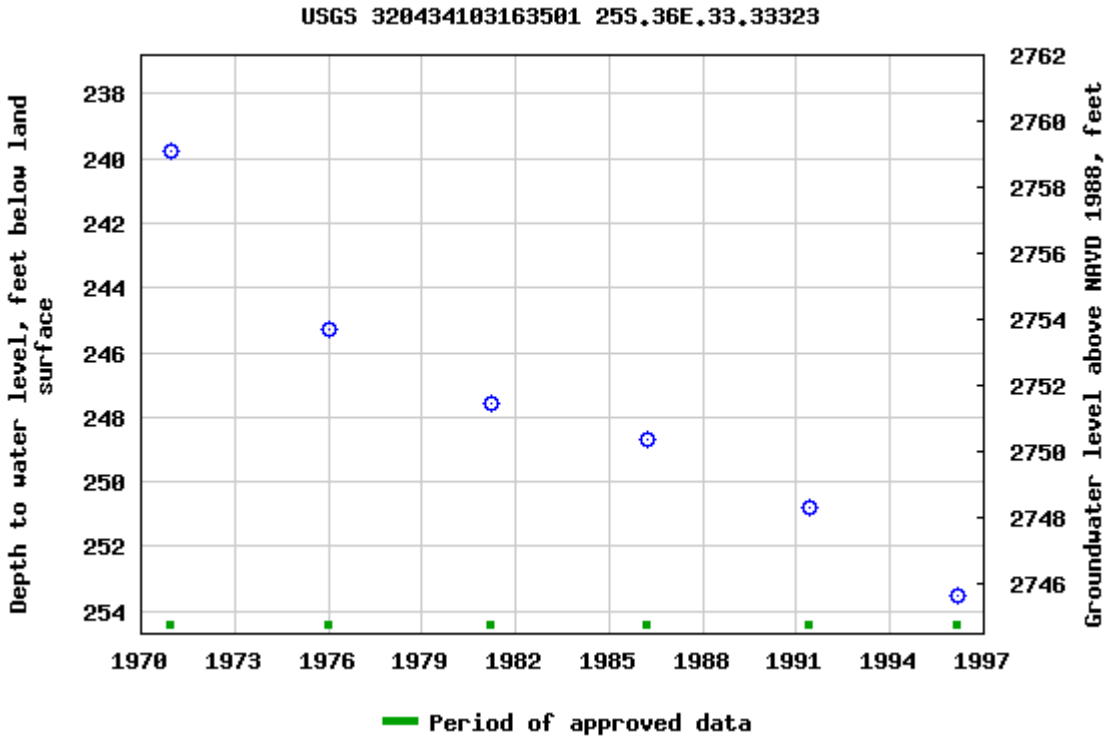
Available data for this site | Groundwater: Field measurements | GO

Lea County, New Mexico
Hydrologic Unit Code 13070007
Latitude 32°04'34", Longitude 103°16'35" NAD27
Land-surface elevation 2,999 feet above NAVD88

This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer.
This well is completed in the Chinle Formation (231CHNL) local aquifer.

Output formats

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



Breaks in the plot represent a gap of at least one year between field measurements.
Download a presentation-quality graph

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help

Data Tips
Explanation of terms
Subscribe for system changes
News

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

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2022-09-13 22:10:49 EDT
0.57 0.5 nadww02

U.S. Fish and Wildlife Service
National Wetlands Inventory

Wetlands Map

September 15, 2022

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

Pima Environmental Services

Appendix B

Soil Survey & Geological Data

FEMA Flood Map

Lea County, New Mexico

PY—Pyote soils and Dune land

Map Unit Setting

National map unit symbol: dmqr
Elevation: 3,000 to 4,400 feet
Mean annual precipitation: 10 to 15 inches
Mean annual air temperature: 60 to 64 degrees F
Frost-free period: 190 to 220 days
Farmland classification: Not prime farmland

Map Unit Composition

Pyote and similar soils: 46 percent
Dune land: 44 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Pyote

Setting

Landform: Depressions
Landform position (two-dimensional): Footslope
Landform position (three-dimensional): Base slope
Down-slope shape: Concave
Across-slope shape: Concave
Parent material: Sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 30 inches: fine sand
Bt - 30 to 60 inches: fine sandy loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Negligible
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 5 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Low (about 5.1 inches)

Interpretive groups

Land capability classification (irrigated): 6e
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: A
Ecological site: R042XC003NM - Loamy Sand
Hydric soil rating: No

Description of Dune Land

Setting

Landform: Dunes
Landform position (two-dimensional): Backslope, shoulder
Landform position (three-dimensional): Side slope
Down-slope shape: Convex, linear
Across-slope shape: Convex
Parent material: Sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 6 inches: fine sand
C - 6 to 60 inches: fine sand

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 8
Hydrologic Soil Group: A
Hydric soil rating: No

Minor Components

Kermit

Percent of map unit: 5 percent
Ecological site: R042XC022NM - Sandhills
Hydric soil rating: No

Maljamar, fine sand

Percent of map unit: 3 percent
Ecological site: R042XC003NM - Loamy Sand
Hydric soil rating: No

Wink

Percent of map unit: 2 percent
Ecological site: R042XC003NM - Loamy Sand
Hydric soil rating: No

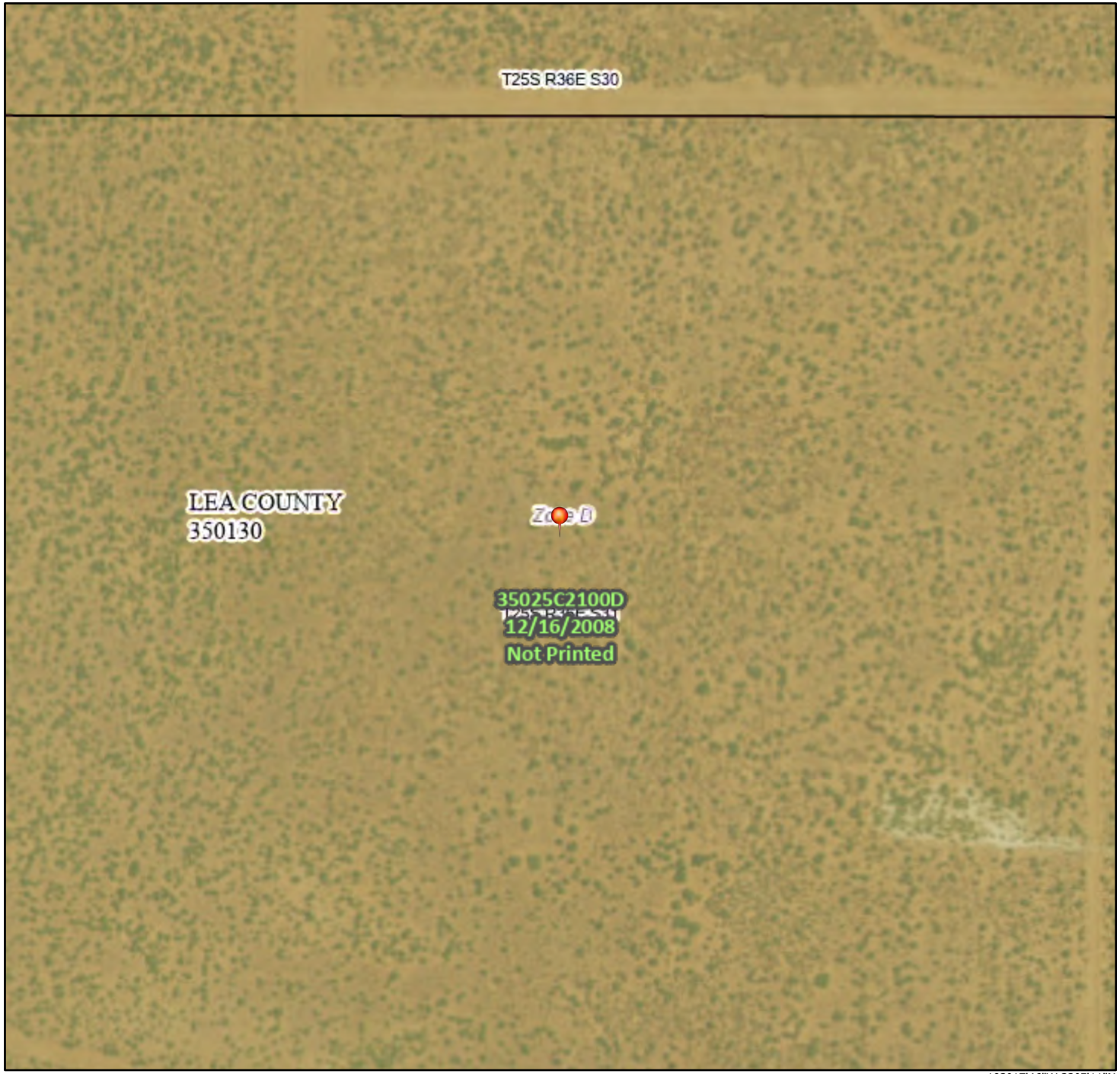
Data Source Information

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 18, Sep 10, 2021

National Flood Hazard Layer FIRMette

FEMA

103°18'23"W 32°5'42"N



103°17'46"W 32°5'11"N

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

1:6,000

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

Legend

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

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

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

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

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

OTHER FEATURES
- 20.2 / 17.5 Cross Sections with 1% Annual Chance / Water Surface Elevation
- Coastal Transect
- 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 9/13/2022 at 10:17 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.

Pima Environmental Services

Appendix C

C-141 Form

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources Department

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

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	nPAC0801452097
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible: Party Armstrong Energy Corporation	OGRID
Contact Name: Kyle Alpers	Contact Telephone: 575-626-2727
Contact email: kalpers@aecnm.com	Incident # *(assigned by OCD);* nPAC0801452097
Contact mailing address	

Location of Release Source

Latitude 32.909729 Longitude -103.3012466
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Gilmore 24 #001	Site Type: Oil
Date Release Discovered: 01/04/2008	API# *(if applicable):* 30-025-34141

Unit Letter	Section	Township	Range	County
H	24	16S	36E	Lea

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

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls): 60	Volume Recovered (bbls): 52
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release:
Valve froze causing a release.

State of New Mexico
Oil Conservation Division

Incident ID	nPAC0801452097
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? **This is considered a major release because it is over 25 BBLS.**
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

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

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

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

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

Printed Name: Jeffery Tew Title: Operations Engineer

Signature: Jeffery Tew Date: 9/8/2022

email: jtew@aechm.com Telephone: 575-625-2222

OCD Only

Received by: Jocelyn Harimon Date: 09/08/2022

State of New Mexico
Oil Conservation Division

Incident ID	nPAC0801452097
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	282 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

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

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

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

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	nPAC0801452097
District RP	
Facility ID	
Application ID	

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

Printed Name: Jeffery Tew Title: Operations Engineer

Signature: Jeffery Tew Date: 10/14/22

email: jtew@aecnm.com Telephone: 575-625-2222

OCD Only

Received by: Jocelyn Harimon Date: 10/14/2022

State of New Mexico
Oil Conservation Division

Incident ID	nPAC0801452097
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

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

☒ Description of remediation activities

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

Printed Name: Jeffrey Tew Title: Operations Engineer

Signature: Jeffery Tew Date: 10/14/22

email: jtew@aecnm.com Telephone: 575-625-2222

OCD Only

Received by: Jocelyn Harimon Date: 10/14/2022

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

Closure Approved by: Ashley Maxwell Date: 2/03/2023

Printed Name: Ashley Maxwell Title: Environmental Specialist

Pima Environmental Services

Appendix D

Photographic Documentation

SITE PHOTOGRAPHS
PIMA ENVIORNMENTAL

Gilmore 24 #001

Pima Environmental Services

Appendix E

Laboratory Reports

Report to:

Tom Bynum

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name:	Gilmore 24 #001
Work Order:	E209127
Job Number:	21064-0001
Received:	9/22/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/29/22

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

Date Reported: 9/29/22

Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Gilmore 24 #001
Workorder: E209127
Date Received: 9/22/2022 10:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/22/2022 10:30:00AM, under the Project Name: Gilmore 24 #001.

The analytical test results summarized in this report with the Project Name: Gilmore 24 #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

Field Offices:

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

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Gilmore 24 #001	**Reported:**
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	09/29/22 12:02

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S.1 S'	E209127-01A	Soil	09/19/22	09/22/22	Glass Jar, 4 oz.
S.1 1'	E209127-02A	Soil	09/19/22	09/22/22	Glass Jar, 4 oz.
S.2 S'	E209127-03A	Soil	09/19/22	09/22/22	Glass Jar, 4 oz.
S.2 1'	E209127-04A	Soil	09/19/22	09/22/22	Glass Jar, 4 oz.
S.3 S'	E209127-05A	Soil	09/19/22	09/22/22	Glass Jar, 4 oz.
S.3 1'	E209127-06A	Soil	09/19/22	09/22/22	Glass Jar, 4 oz.
S.4 S'	E209127-07A	Soil	09/19/22	09/22/22	Glass Jar, 4 oz.
S.4 1'	E209127-08A	Soil	09/19/22	09/22/22	Glass Jar, 4 oz.
S.5 S'	E209127-09A	Soil	09/19/22	09/22/22	Glass Jar, 4 oz.
S.5 1'	E209127-10A	Soil	09/19/22	09/22/22	Glass Jar, 4 oz.
SW1	E209127-11A	Soil	09/19/22	09/22/22	Glass Jar, 4 oz.
SW2	E209127-12A	Soil	09/19/22	09/22/22	Glass Jar, 4 oz.
SW3	E209127-13A	Soil	09/19/22	09/22/22	Glass Jar, 4 oz.
SW4	E209127-14A	Soil	09/19/22	09/22/22	Glass Jar, 4 oz.
BG1	E209127-15A	Soil	09/19/22	09/22/22	Glass Jar, 4 oz.
BG2	E209127-16A	Soil	09/19/22	09/22/22	Glass Jar, 4 oz.

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Gilmore 24 #001	
PO Box 247	Project Number:	21064-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 12:02:31PM

S.1 S'

E209127-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239088
Benzene	ND	0.0250	1	09/22/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/22/22	09/27/22	
Toluene	ND	0.0250	1	09/22/22	09/27/22	
o-Xylene	ND	0.0250	1	09/22/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/22/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/22/22	09/27/22	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*09/22/22*	*09/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*92.3 %*	*70-130*	*09/22/22*	*09/27/22*	
Surrogate: Toluene-d8		*96.2 %*	*70-130*	*09/22/22*	*09/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239088
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/22/22	09/27/22	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*09/22/22*	*09/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*92.3 %*	*70-130*	*09/22/22*	*09/27/22*	
Surrogate: Toluene-d8		*96.2 %*	*70-130*	*09/22/22*	*09/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2239096
Diesel Range Organics (C10-C28)	ND	25.0	1	09/23/22	09/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/23/22	09/24/22	
Surrogate: n-Nonane		*89.0 %*	*50-200*	*09/23/22*	*09/24/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2239110
Chloride	ND	20.0	1	09/23/22	09/26/22	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Gilmore 24 #001	
PO Box 247	Project Number:	21064-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 12:02:31PM

S.1 1'

E209127-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239088
Benzene	ND	0.0250	1	09/22/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/22/22	09/27/22	
Toluene	ND	0.0250	1	09/22/22	09/27/22	
o-Xylene	ND	0.0250	1	09/22/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/22/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/22/22	09/27/22	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*09/22/22*	*09/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*91.9 %*	*70-130*	*09/22/22*	*09/27/22*	
Surrogate: Toluene-d8		*96.1 %*	*70-130*	*09/22/22*	*09/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239088
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/22/22	09/27/22	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*09/22/22*	*09/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*91.9 %*	*70-130*	*09/22/22*	*09/27/22*	
Surrogate: Toluene-d8		*96.1 %*	*70-130*	*09/22/22*	*09/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2239096
Diesel Range Organics (C10-C28)	ND	25.0	1	09/23/22	09/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/23/22	09/24/22	
Surrogate: n-Nonane		*97.1 %*	*50-200*	*09/23/22*	*09/24/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2239110
Chloride	**42.4**	20.0	1	09/23/22	09/26/22	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Gilmore 24 #001	
PO Box 247	Project Number:	21064-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 12:02:31PM

S.2 S'

E209127-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239088
Benzene	ND	0.0250	1	09/22/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/22/22	09/27/22	
Toluene	ND	0.0250	1	09/22/22	09/27/22	
o-Xylene	ND	0.0250	1	09/22/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/22/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/22/22	09/27/22	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*09/22/22*	*09/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*89.4 %*	*70-130*	*09/22/22*	*09/27/22*	
Surrogate: Toluene-d8		*96.8 %*	*70-130*	*09/22/22*	*09/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239088
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/22/22	09/27/22	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*09/22/22*	*09/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*89.4 %*	*70-130*	*09/22/22*	*09/27/22*	
Surrogate: Toluene-d8		*96.8 %*	*70-130*	*09/22/22*	*09/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2239096
Diesel Range Organics (C10-C28)	ND	25.0	1	09/23/22	09/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/23/22	09/24/22	
Surrogate: n-Nonane		*99.1 %*	*50-200*	*09/23/22*	*09/24/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2239110
Chloride	**29.7**	20.0	1	09/23/22	09/26/22	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Gilmore 24 #001	
PO Box 247	Project Number:	21064-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 12:02:31PM

S.2 1'

E209127-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239088
Benzene	ND	0.0250	1	09/22/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/22/22	09/27/22	
Toluene	ND	0.0250	1	09/22/22	09/27/22	
o-Xylene	ND	0.0250	1	09/22/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/22/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/22/22	09/27/22	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*09/22/22*	*09/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*94.3 %*	*70-130*	*09/22/22*	*09/27/22*	
Surrogate: Toluene-d8		*96.3 %*	*70-130*	*09/22/22*	*09/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239088
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/22/22	09/27/22	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*09/22/22*	*09/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*94.3 %*	*70-130*	*09/22/22*	*09/27/22*	
Surrogate: Toluene-d8		*96.3 %*	*70-130*	*09/22/22*	*09/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2239096
Diesel Range Organics (C10-C28)	ND	25.0	1	09/23/22	09/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/23/22	09/24/22	
Surrogate: n-Nonane		*92.7 %*	*50-200*	*09/23/22*	*09/24/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2239110
Chloride	ND	20.0	1	09/23/22	09/26/22	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Gilmore 24 #001	
PO Box 247	Project Number:	21064-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 12:02:31PM

S.3 S'

E209127-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239088
Benzene	ND	0.0250	1	09/22/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/22/22	09/27/22	
Toluene	ND	0.0250	1	09/22/22	09/27/22	
o-Xylene	ND	0.0250	1	09/22/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/22/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/22/22	09/27/22	
Surrogate: Bromofluorobenzene		*98.8 %*	*70-130*	*09/22/22*	*09/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*89.6 %*	*70-130*	*09/22/22*	*09/27/22*	
Surrogate: Toluene-d8		*95.9 %*	*70-130*	*09/22/22*	*09/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239088
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/22/22	09/27/22	
Surrogate: Bromofluorobenzene		*98.8 %*	*70-130*	*09/22/22*	*09/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*89.6 %*	*70-130*	*09/22/22*	*09/27/22*	
Surrogate: Toluene-d8		*95.9 %*	*70-130*	*09/22/22*	*09/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2239096
Diesel Range Organics (C10-C28)	ND	25.0	1	09/23/22	09/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/23/22	09/24/22	
Surrogate: n-Nonane		*113 %*	*50-200*	*09/23/22*	*09/24/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2239110
Chloride	ND	20.0	1	09/23/22	09/26/22	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Gilmore 24 #001	
PO Box 247	Project Number:	21064-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 12:02:31PM

S.3 1'

E209127-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239088
Benzene	ND	0.0250	1	09/22/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/22/22	09/27/22	
Toluene	ND	0.0250	1	09/22/22	09/27/22	
o-Xylene	ND	0.0250	1	09/22/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/22/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/22/22	09/27/22	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*09/22/22*	*09/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*94.4 %*	*70-130*	*09/22/22*	*09/27/22*	
Surrogate: Toluene-d8		*97.0 %*	*70-130*	*09/22/22*	*09/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239088
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/22/22	09/27/22	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*09/22/22*	*09/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*94.4 %*	*70-130*	*09/22/22*	*09/27/22*	
Surrogate: Toluene-d8		*97.0 %*	*70-130*	*09/22/22*	*09/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2239096
Diesel Range Organics (C10-C28)	ND	25.0	1	09/23/22	09/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/23/22	09/24/22	
Surrogate: n-Nonane		*98.1 %*	*50-200*	*09/23/22*	*09/24/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2239110
Chloride	ND	20.0	1	09/23/22	09/26/22	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Gilmore 24 #001	
PO Box 247	Project Number:	21064-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 12:02:31PM

S.4 S'

E209127-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239088
Benzene	ND	0.0250	1	09/22/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/22/22	09/27/22	
Toluene	ND	0.0250	1	09/22/22	09/27/22	
o-Xylene	ND	0.0250	1	09/22/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/22/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/22/22	09/27/22	
Surrogate: Bromofluorobenzene		*99.3 %*	*70-130*	*09/22/22*	*09/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*88.9 %*	*70-130*	*09/22/22*	*09/27/22*	
Surrogate: Toluene-d8		*95.3 %*	*70-130*	*09/22/22*	*09/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239088
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/22/22	09/27/22	
Surrogate: Bromofluorobenzene		*99.3 %*	*70-130*	*09/22/22*	*09/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*88.9 %*	*70-130*	*09/22/22*	*09/27/22*	
Surrogate: Toluene-d8		*95.3 %*	*70-130*	*09/22/22*	*09/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2239096
Diesel Range Organics (C10-C28)	ND	25.0	1	09/23/22	09/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/23/22	09/24/22	
Surrogate: n-Nonane		*94.9 %*	*50-200*	*09/23/22*	*09/24/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2239110
Chloride	**30.5**	20.0	1	09/23/22	09/26/22	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Gilmore 24 #001	
PO Box 247	Project Number:	21064-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 12:02:31PM

S.4 1'

E209127-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239088
Benzene	ND	0.0250	1	09/22/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/22/22	09/27/22	
Toluene	ND	0.0250	1	09/22/22	09/27/22	
o-Xylene	ND	0.0250	1	09/22/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/22/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/22/22	09/27/22	
Surrogate: Bromofluorobenzene		*97.7 %*	*70-130*	*09/22/22*	*09/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*92.5 %*	*70-130*	*09/22/22*	*09/27/22*	
Surrogate: Toluene-d8		*96.7 %*	*70-130*	*09/22/22*	*09/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239088
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/22/22	09/27/22	
Surrogate: Bromofluorobenzene		*97.7 %*	*70-130*	*09/22/22*	*09/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*92.5 %*	*70-130*	*09/22/22*	*09/27/22*	
Surrogate: Toluene-d8		*96.7 %*	*70-130*	*09/22/22*	*09/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2239096
Diesel Range Organics (C10-C28)	ND	25.0	1	09/23/22	09/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/23/22	09/24/22	
Surrogate: n-Nonane		*90.0 %*	*50-200*	*09/23/22*	*09/24/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2239110
Chloride	**26.3**	20.0	1	09/23/22	09/26/22	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Gilmore 24 #001	
PO Box 247	Project Number:	21064-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 12:02:31PM

S.5 S'

E209127-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239088
Benzene	ND	0.0250	1	09/22/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/22/22	09/27/22	
Toluene	ND	0.0250	1	09/22/22	09/27/22	
o-Xylene	ND	0.0250	1	09/22/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/22/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/22/22	09/27/22	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*09/22/22*	*09/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*90.7 %*	*70-130*	*09/22/22*	*09/27/22*	
Surrogate: Toluene-d8		*96.3 %*	*70-130*	*09/22/22*	*09/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239088
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/22/22	09/27/22	
Surrogate: Bromofluorobenzene		*100 %*	*70-130*	*09/22/22*	*09/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*90.7 %*	*70-130*	*09/22/22*	*09/27/22*	
Surrogate: Toluene-d8		*96.3 %*	*70-130*	*09/22/22*	*09/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2239096
Diesel Range Organics (C10-C28)	ND	25.0	1	09/23/22	09/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/23/22	09/24/22	
Surrogate: n-Nonane		*94.3 %*	*50-200*	*09/23/22*	*09/24/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2239110
Chloride	ND	20.0	1	09/23/22	09/26/22	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Gilmore 24 #001	
PO Box 247	Project Number:	21064-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 12:02:31PM

S.5 1'

E209127-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239088
Benzene	ND	0.0250	1	09/22/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/22/22	09/27/22	
Toluene	ND	0.0250	1	09/22/22	09/27/22	
o-Xylene	ND	0.0250	1	09/22/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/22/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/22/22	09/27/22	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*09/22/22*	*09/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*93.3 %*	*70-130*	*09/22/22*	*09/27/22*	
Surrogate: Toluene-d8		*97.7 %*	*70-130*	*09/22/22*	*09/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239088
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/22/22	09/27/22	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*09/22/22*	*09/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*93.3 %*	*70-130*	*09/22/22*	*09/27/22*	
Surrogate: Toluene-d8		*97.7 %*	*70-130*	*09/22/22*	*09/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2239096
Diesel Range Organics (C10-C28)	ND	25.0	1	09/23/22	09/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/23/22	09/24/22	
Surrogate: n-Nonane		*99.3 %*	*50-200*	*09/23/22*	*09/24/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2239110
Chloride	ND	20.0	1	09/23/22	09/26/22	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Gilmore 24 #001	
PO Box 247	Project Number:	21064-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 12:02:31PM

SW1

E209127-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239088
Benzene	ND	0.0250	1	09/22/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/22/22	09/27/22	
Toluene	ND	0.0250	1	09/22/22	09/27/22	
o-Xylene	ND	0.0250	1	09/22/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/22/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/22/22	09/27/22	
Surrogate: Bromofluorobenzene		*99.4 %*	*70-130*	*09/22/22*	*09/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*95.5 %*	*70-130*	*09/22/22*	*09/27/22*	
Surrogate: Toluene-d8		*96.6 %*	*70-130*	*09/22/22*	*09/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239088
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/22/22	09/27/22	
Surrogate: Bromofluorobenzene		*99.4 %*	*70-130*	*09/22/22*	*09/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*95.5 %*	*70-130*	*09/22/22*	*09/27/22*	
Surrogate: Toluene-d8		*96.6 %*	*70-130*	*09/22/22*	*09/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2239096
Diesel Range Organics (C10-C28)	ND	25.0	1	09/23/22	09/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/23/22	09/24/22	
Surrogate: n-Nonane		*91.0 %*	*50-200*	*09/23/22*	*09/24/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2239110
Chloride	ND	20.0	1	09/23/22	09/26/22	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Gilmore 24 #001	
PO Box 247	Project Number:	21064-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 12:02:31PM

SW2

E209127-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239088
Benzene	ND	0.0250	1	09/22/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/22/22	09/27/22	
Toluene	ND	0.0250	1	09/22/22	09/27/22	
o-Xylene	ND	0.0250	1	09/22/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/22/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/22/22	09/27/22	
Surrogate: Bromofluorobenzene		*97.9 %*	*70-130*	*09/22/22*	*09/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*89.2 %*	*70-130*	*09/22/22*	*09/27/22*	
Surrogate: Toluene-d8		*95.9 %*	*70-130*	*09/22/22*	*09/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239088
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/22/22	09/27/22	
Surrogate: Bromofluorobenzene		*97.9 %*	*70-130*	*09/22/22*	*09/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*89.2 %*	*70-130*	*09/22/22*	*09/27/22*	
Surrogate: Toluene-d8		*95.9 %*	*70-130*	*09/22/22*	*09/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2239096
Diesel Range Organics (C10-C28)	ND	25.0	1	09/23/22	09/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/23/22	09/24/22	
Surrogate: n-Nonane		*100 %*	*50-200*	*09/23/22*	*09/24/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2239110
Chloride	ND	20.0	1	09/23/22	09/26/22	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Gilmore 24 #001	
PO Box 247	Project Number:	21064-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 12:02:31PM

SW3

E209127-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239088
Benzene	ND	0.0250	1	09/22/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/22/22	09/27/22	
Toluene	ND	0.0250	1	09/22/22	09/27/22	
o-Xylene	ND	0.0250	1	09/22/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/22/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/22/22	09/27/22	
Surrogate: Bromofluorobenzene		*99.1 %*	*70-130*	*09/22/22*	*09/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*92.1 %*	*70-130*	*09/22/22*	*09/27/22*	
Surrogate: Toluene-d8		*94.9 %*	*70-130*	*09/22/22*	*09/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239088
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/22/22	09/27/22	
Surrogate: Bromofluorobenzene		*99.1 %*	*70-130*	*09/22/22*	*09/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*92.1 %*	*70-130*	*09/22/22*	*09/27/22*	
Surrogate: Toluene-d8		*94.9 %*	*70-130*	*09/22/22*	*09/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2239096
Diesel Range Organics (C10-C28)	ND	25.0	1	09/23/22	09/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/23/22	09/24/22	
Surrogate: n-Nonane		*101 %*	*50-200*	*09/23/22*	*09/24/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2239110
Chloride	ND	20.0	1	09/23/22	09/26/22	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Gilmore 24 #001	
PO Box 247	Project Number:	21064-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 12:02:31PM

SW4

E209127-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239088
Benzene	ND	0.0250	1	09/22/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/22/22	09/27/22	
Toluene	ND	0.0250	1	09/22/22	09/27/22	
o-Xylene	ND	0.0250	1	09/22/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/22/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/22/22	09/27/22	
Surrogate: Bromofluorobenzene		*98.0 %*	*70-130*	*09/22/22*	*09/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*93.0 %*	*70-130*	*09/22/22*	*09/27/22*	
Surrogate: Toluene-d8		*95.3 %*	*70-130*	*09/22/22*	*09/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239088
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/22/22	09/27/22	
Surrogate: Bromofluorobenzene		*98.0 %*	*70-130*	*09/22/22*	*09/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*93.0 %*	*70-130*	*09/22/22*	*09/27/22*	
Surrogate: Toluene-d8		*95.3 %*	*70-130*	*09/22/22*	*09/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2239096
Diesel Range Organics (C10-C28)	ND	25.0	1	09/23/22	09/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/23/22	09/24/22	
Surrogate: n-Nonane		*102 %*	*50-200*	*09/23/22*	*09/24/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2239110
Chloride	**24.6**	20.0	1	09/23/22	09/26/22	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Gilmore 24 #001	
PO Box 247	Project Number:	21064-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 12:02:31PM

BG1

E209127-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239088
Benzene	ND	0.0250	1	09/22/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/22/22	09/27/22	
Toluene	ND	0.0250	1	09/22/22	09/27/22	
o-Xylene	ND	0.0250	1	09/22/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/22/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/22/22	09/27/22	
Surrogate: Bromofluorobenzene		*98.1 %*	*70-130*	*09/22/22*	*09/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*86.5 %*	*70-130*	*09/22/22*	*09/27/22*	
Surrogate: Toluene-d8		*97.4 %*	*70-130*	*09/22/22*	*09/27/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239088
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/22/22	09/27/22	
Surrogate: Bromofluorobenzene		*98.1 %*	*70-130*	*09/22/22*	*09/27/22*	
Surrogate: 1,2-Dichloroethane-d4		*86.5 %*	*70-130*	*09/22/22*	*09/27/22*	
Surrogate: Toluene-d8		*97.4 %*	*70-130*	*09/22/22*	*09/27/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2239096
Diesel Range Organics (C10-C28)	ND	25.0	1	09/23/22	09/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/23/22	09/24/22	
Surrogate: n-Nonane		*102 %*	*50-200*	*09/23/22*	*09/24/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2239110
Chloride	ND	20.0	1	09/23/22	09/26/22	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Gilmore 24 #001	
PO Box 247	Project Number:	21064-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 12:02:31PM

BG2

E209127-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2239088
Benzene	ND	0.0250	1	09/22/22	09/28/22	
Ethylbenzene	ND	0.0250	1	09/22/22	09/28/22	
Toluene	ND	0.0250	1	09/22/22	09/28/22	
o-Xylene	ND	0.0250	1	09/22/22	09/28/22	
p,m-Xylene	ND	0.0500	1	09/22/22	09/28/22	
Total Xylenes	ND	0.0250	1	09/22/22	09/28/22	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*09/22/22*	*09/28/22*	
Surrogate: 1,2-Dichloroethane-d4		*87.0 %*	*70-130*	*09/22/22*	*09/28/22*	
Surrogate: Toluene-d8		*97.1 %*	*70-130*	*09/22/22*	*09/28/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2239088
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/22/22	09/28/22	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*09/22/22*	*09/28/22*	
Surrogate: 1,2-Dichloroethane-d4		*87.0 %*	*70-130*	*09/22/22*	*09/28/22*	
Surrogate: Toluene-d8		*97.1 %*	*70-130*	*09/22/22*	*09/28/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2239096
Diesel Range Organics (C10-C28)	ND	25.0	1	09/23/22	09/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/23/22	09/24/22	
Surrogate: n-Nonane		*95.9 %*	*50-200*	*09/23/22*	*09/24/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2239110
Chloride	ND	20.0	1	09/23/22	09/26/22	

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Gilmore 24 #001	**Reported:**
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 12:02:31PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2239088-BLK1)									Prepared: 09/22/22 Analyzed: 09/27/22
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	*0.516*		*0.500*		*103*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.455*		*0.500*		*90.9*	*70-130*			
Surrogate: Toluene-d8	*0.493*		*0.500*		*98.6*	*70-130*			
LCS (2239088-BS1)									Prepared: 09/22/22 Analyzed: 09/27/22
Benzene	1.93	0.0250	2.50		77.1	70-130			
Ethylbenzene	2.06	0.0250	2.50		82.6	70-130			
Toluene	1.92	0.0250	2.50		76.8	70-130			
o-Xylene	2.11	0.0250	2.50		84.2	70-130			
p,m-Xylene	4.05	0.0500	5.00		81.0	70-130			
Total Xylenes	6.15	0.0250	7.50		82.1	70-130			
Surrogate: Bromofluorobenzene	*0.524*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.451*		*0.500*		*90.2*	*70-130*			
Surrogate: Toluene-d8	*0.489*		*0.500*		*97.7*	*70-130*			
LCS Dup (2239088-BSD1)									Prepared: 09/22/22 Analyzed: 09/27/22
Benzene	1.95	0.0250	2.50		78.2	70-130	1.44	23	
Ethylbenzene	2.11	0.0250	2.50		84.5	70-130	2.27	27	
Toluene	1.96	0.0250	2.50		78.2	70-130	1.91	24	
o-Xylene	2.16	0.0250	2.50		86.3	70-130	2.46	27	
p,m-Xylene	4.17	0.0500	5.00		83.5	70-130	3.00	27	
Total Xylenes	6.33	0.0250	7.50		84.4	70-130	2.82	27	
Surrogate: Bromofluorobenzene	*0.526*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.455*		*0.500*		*90.9*	*70-130*			
Surrogate: Toluene-d8	*0.490*		*0.500*		*97.9*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Gilmore 24 #001	**Reported:**
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 12:02:31PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2239088-BLK1)									Prepared: 09/22/22 Analyzed: 09/27/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.516*		*0.500*		*103*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.455*		*0.500*		*90.9*	*70-130*			
Surrogate: Toluene-d8	*0.493*		*0.500*		*98.6*	*70-130*			
LCS (2239088-BS2)									Prepared: 09/22/22 Analyzed: 09/27/22
Gasoline Range Organics (C6-C10)	40.6	20.0	50.0		81.1	70-130			
Surrogate: Bromofluorobenzene	*0.507*		*0.500*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.450*		*0.500*		*89.9*	*70-130*			
Surrogate: Toluene-d8	*0.490*		*0.500*		*98.0*	*70-130*			
LCS Dup (2239088-BSD2)									Prepared: 09/22/22 Analyzed: 09/27/22
Gasoline Range Organics (C6-C10)	41.7	20.0	50.0		83.4	70-130	2.73	20	
Surrogate: Bromofluorobenzene	*0.511*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.446*		*0.500*		*89.2*	*70-130*			
Surrogate: Toluene-d8	*0.488*		*0.500*		*97.5*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Gilmore 24 #001	**Reported:**
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 12:02:31PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2239096-BLK1)									Prepared: 09/23/22 Analyzed: 09/24/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*46.3*		*50.0*		*92.6*	*50-200*			
LCS (2239096-BS1)									Prepared: 09/23/22 Analyzed: 09/24/22
Diesel Range Organics (C10-C28)	246	25.0	250		98.6	38-132			
Surrogate: n-Nonane	*45.7*		*50.0*		*91.4*	*50-200*			
Matrix Spike (2239096-MS1)				**Source: E209127-05**					Prepared: 09/23/22 Analyzed: 09/24/22
Diesel Range Organics (C10-C28)	252	25.0	250	ND	101	38-132			
Surrogate: n-Nonane	*46.4*		*50.0*		*92.8*	*50-200*			
Matrix Spike Dup (2239096-MSD1)				**Source: E209127-05**					Prepared: 09/23/22 Analyzed: 09/24/22
Diesel Range Organics (C10-C28)	264	25.0	250	ND	105	38-132	4.57	20	
Surrogate: n-Nonane	*50.1*		*50.0*		*100*	*50-200*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Gilmore 24 #001	**Reported:**
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/29/2022 12:02:31PM

Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2239110-BLK1)									Prepared: 09/23/22 Analyzed: 09/26/22
Chloride	ND	20.0							
LCS (2239110-BS1)									Prepared: 09/23/22 Analyzed: 09/26/22
Chloride	249	20.0	250		99.6	90-110			
Matrix Spike (2239110-MS1)				**Source: E209127-01**					Prepared: 09/23/22 Analyzed: 09/26/22
Chloride	280	20.0	250	ND	112	80-120			
Matrix Spike Dup (2239110-MSD1)				**Source: E209127-01**					Prepared: 09/23/22 Analyzed: 09/26/22
Chloride	281	20.0	250	ND	113	80-120	0.459	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

Pima Environmental Services-Carlsbad	Project Name:	Gilmore 24 #001	
PO Box 247	Project Number:	21064-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	09/29/22 12:02

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

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

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

Project Information | Chain of Custody | Page 1 of 2

Client: Pima Environmental Services	Bill To
Project: Gilmore 24 #001	Attention:
Project Manager: Tom Bynum	Address:
Address: 5614 N. Lovington Hwy.	City, State, Zip
City, State, Zip Hobbs, NM, 88240	Phone:
Phone: 580-748-1613	Email:
Email: tom@pimaoil.com	Pima Project # 19-52
Report due by:	

Lab Use Only: Lab WO# E209127 | Job Number 21064-0001

TAT: 1D | 2D | 3D | Standard (X)

EPA Program: CWA | SDWA | RCRA

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

Analysis and Method: DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC NM | BGDOC TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	BGDOC NM	Remarks
8:00	9/19/22	S	1	S.1 S'	1	X	
8:05	"	"	"	S.1 1'	2	"	
8:10	"	"	"	S.2 S'	3	"	
8:15	"	"	"	S.2 1'	4	"	
8:20	"	"	"	S.3 S'	5	"	
8:25	"	"	"	S.3 1'	6	"	
8:30	"	"	"	S.4 S'	7	"	
8:35	"	"	"	S.4 1'	8	"	
8:40	"	"	"	S.5 S'	9	"	
8:45	"	"	"	S.5 1'	10	"	

Additional Instructions:

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

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
Adriana Benavides	9/20/22	2:30		9-21-22	3:00P
	9-21-22	4:15p	Caitlin Chute	9/22/22	10:30

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

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

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

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

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Project Information | Chain of Custody | Page 2 of 2

Client: Pima Environmental Services	Bill To	Lab Use Only
Project: Gilmore 24 #001	Attention:	Lab WO# E209127
Project Manager: Tom Bynum	Address:	Job Number 21064-0001
Address: 5614 N. Lovington Hwy.	City, State, Zip	
City, State, Zip Hobbs, NM, 88240	Phone:	
Phone: 580-748-1613	Email:	
Email: tom@pimaoil.com	Pima Project # 19-2	
Report due by:		

TAT				EPA Program	
1D	2D	3D	Standard	CWA	SDWA
			X		
					RCRA

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

Analysis and Method: DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC NM | BGDOC TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	BGDOC NM	Remarks
8:50	9/19/22	S	1	SW1	11	X	
8:55	"	"	"	SW2	12	"	
9:00	"	"	"	SW3	13	"	
9:05	"	"	"	SW4	14	"	
9:10	"	"	"	BG1	15	"	
9:15	"	"	"	BG2	16	"	

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: Audriana Benavides

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
Audriana Benavides	9/20/22	2:30		9-21-22	3:10
	9-21-22	4:15	Cathy Chat	9/22/22	10:30

Lab Use Only: Received on ice: (Y) N

T1 ____ T2 ____ T3 ____

AVG Temp °C 4

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

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

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

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Envirotech Analytical Laboratory

Printed: 9/22/2022 11:12:48AM

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:	Pima Environmental Services-Carlsbad	Date Received:	09/22/22 10:30	Work Order ID:	E209127
Phone:	(575) 631-6977	Date Logged In:	09/21/22 16:11	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	09/28/22 17:00 (4 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: UPS
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	No	
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 filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

District I
1625 N. French Dr., Hobbs, NM 88240
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 151028

CONDITIONS

Operator: ARMSTRONG ENERGY CORP P.O. Box 1973 Roswell, NM 88202	OGRID: 1092
	Action Number: 151028
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	None	2/3/2023