Pima Environmental Services, LLC
1601 N. Turner Ste 500
Hobbs, NM 88240
575-964-7740

October 28th, 2021

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

Bureau of Land Management
620 East Green Street
Carlsbad, NM 88220

Re: Remediation Plan
HT 18 Federal #001
API No. 30-025-39974
GPS: Latitude 32.8295326 Longitude -103.8126678
UL "M" Sec. 18, T17S, R32E
Lea County, NM
NMOCD Ref. No. NAPP2103541864

Pima Environmental Services, LLC (Pima) has been contracted by Spur Energy Partners, LLC. (Spur) to perform a spill assessment and submit a work plan for approved remediation activities for a crude oil/produced water mixed release that occurred at the HT 18 Federal #001 (HT). The initial C-141 was submitted on February 4th, 2020 (Appendix C). This incident was assigned Incident ID NAPP2103541864, by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The HT is located approximately four (4) miles southwest of Maljamar, NM. This spill site is in Unit M, Section 18, Township 17S, Range 32E, Latitude 32.8295326 Longitude -103.8126678, Eddy County, NM. Figure 1 references a Location Map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is in the Quaternary Formation – Alluvium (Holocene to upper Pleistocene). Alluvial. The soil in this area is made up of Berino-Dune land complex, 0 to 12 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 HT (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 81 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is 362 feet BGS. The closest waterway is a playa located approximately 20.6 miles to the west 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'	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

NAPP2103541864: On January 17th, 2020, Threads on 2" steel line washed out causing the 5 BBLS Release. All fluid remained on the production pad. The total volume of fluid released was calculated to be approximately 2 barrels (bbls) of crude oil and 3 barrels (bbls) of produce water. A vacuum truck was able to recover approximately 3.5 bbls of total fluid.

Site Assessment and Soil Sampling Results

On September 29th, 2021, Pima Environmental mobilized personnel to the site to assess the area. Laboratory results of this sampling event can be found in the following data table.

9-29-21 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC - Depth to Groundwater is <50'								
SPUR ENERGY - HT 18 FEDERAL #001								
9/29/2021		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	0-6"	ND	ND	ND	ND	ND	0	ND
S-2	0-6"	ND	ND	ND	ND	ND	0	ND
S-3	0-6"	ND	ND	ND	ND	ND	0	ND
S-4	0-6"	ND	ND	ND	ND	ND	0	24.6
S-5	0-6"	ND	ND	ND	87.8	188	275.8	ND

ND- Analyte Not Detected

On October 11th, 2021, Pima returned to the site to finish delineation of S-5. Laboratory results of this sampling event can be found in the following table. A Site Map can be found in Figure 4.

10-11-2021 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC - Depth to Groundwater is <50'								
SPUR ENERGY - HT 18 FEDERAL #001								
10/11/2021		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 5	1'	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

Proposed Site Remediation

Pima proposes that the contaminated area from this release be remediated by the following method:

- This project will require a 2-man crew to till and treat the area around S-5 to a depth of 1' BGS. The area measures approximately 200 square feet and totals approximately 7.5 cubic yards of soil. To do this we will use our Soil RX chemical solution.

Pima, on behalf of Spur, requests approval to collect a 5-point composite sample from the bottom and sidewall areas at sample point CS-5 from a depth of 6" bgs as confirmation that the contamination has been neutralized. This Proposed Sampling Plan Map can be found in Figure 5.

Should you have any questions or need additional information, please feel free to contact Tom Bynum at 575-964-7740 or tom@pimaoil.com.

Respectfully,

Tom Bynum

Tom Bynum
Environmental Project Manager
Pima Environmental Services, LLC

Attachments

Figures:
1- Location Map
2- Topographic Map
3- Karst Map
4- Site Map
5- Proposed Sampling Plan Map

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

Pima Environmental Services

Figures:

1-Location Map

2-Topo Map

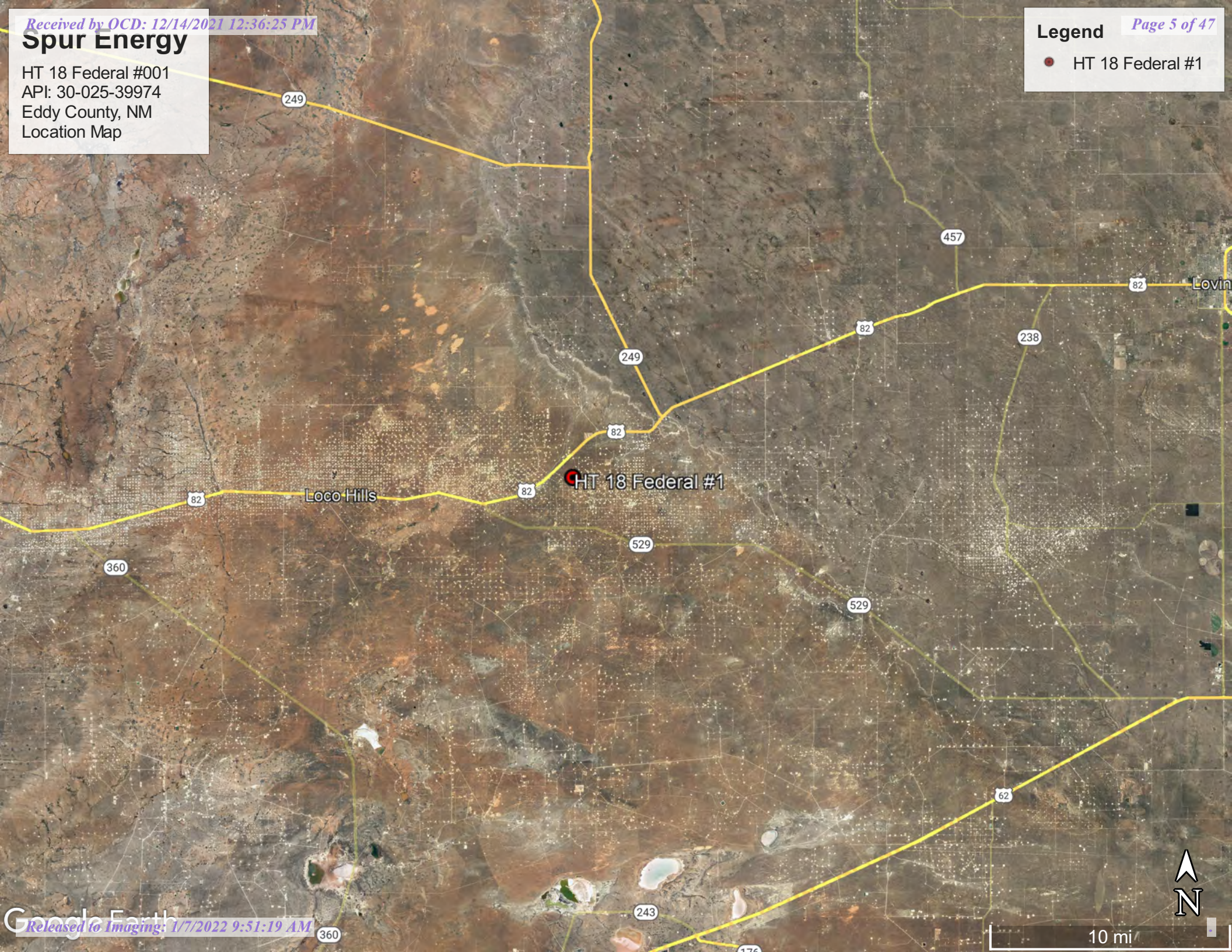
3-Karst Map

4-Site Map

5-Proposed Sampling Plan Map

Spur Energy

HT 18 Federal #001
API: 30-025-39974
Eddy County, NM
Location Map

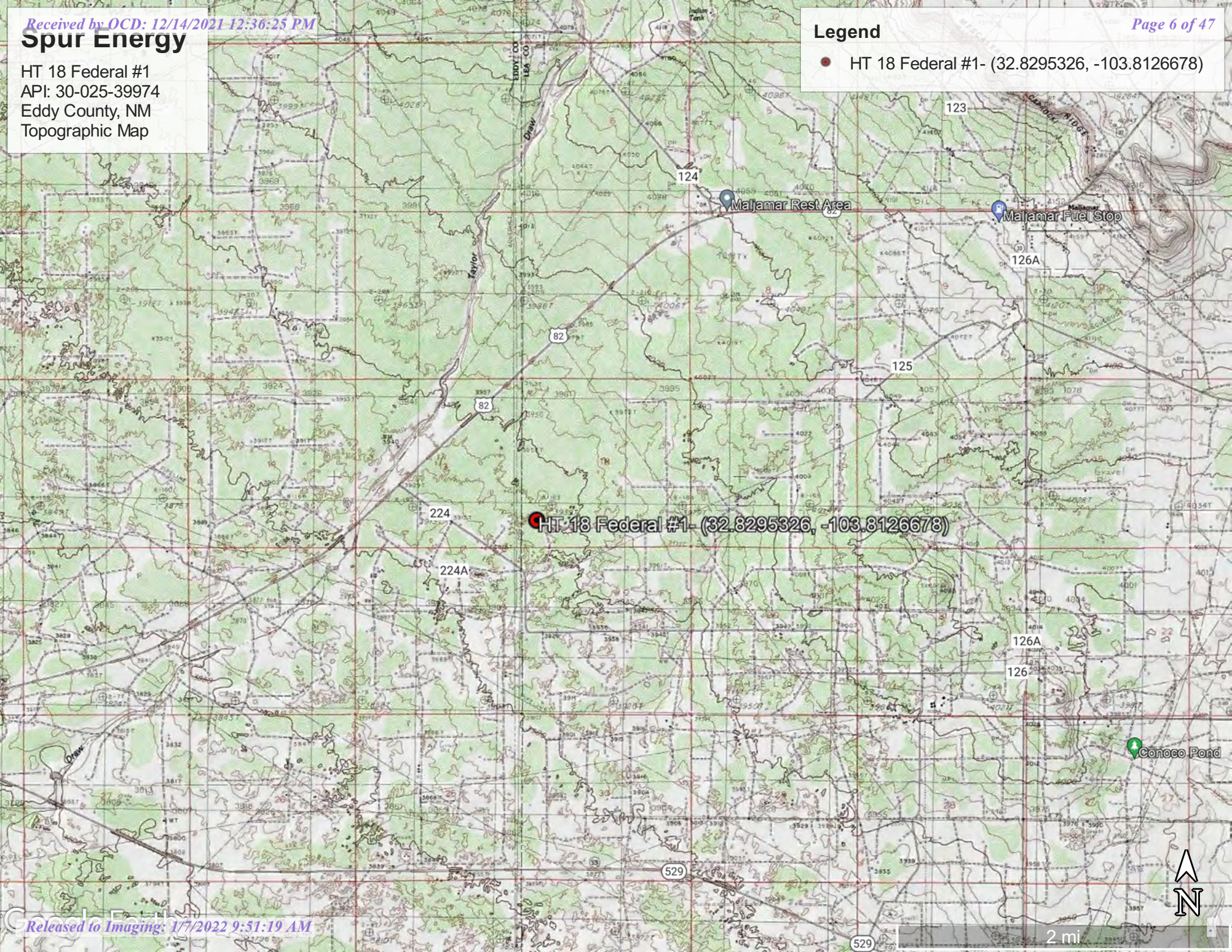


Spur Energy

HT 18 Federal #1
API: 30-025-39974
Eddy County, NM
Topographic Map

Legend

- HT 18 Federal #1- (32.8295326, -103.8126678)

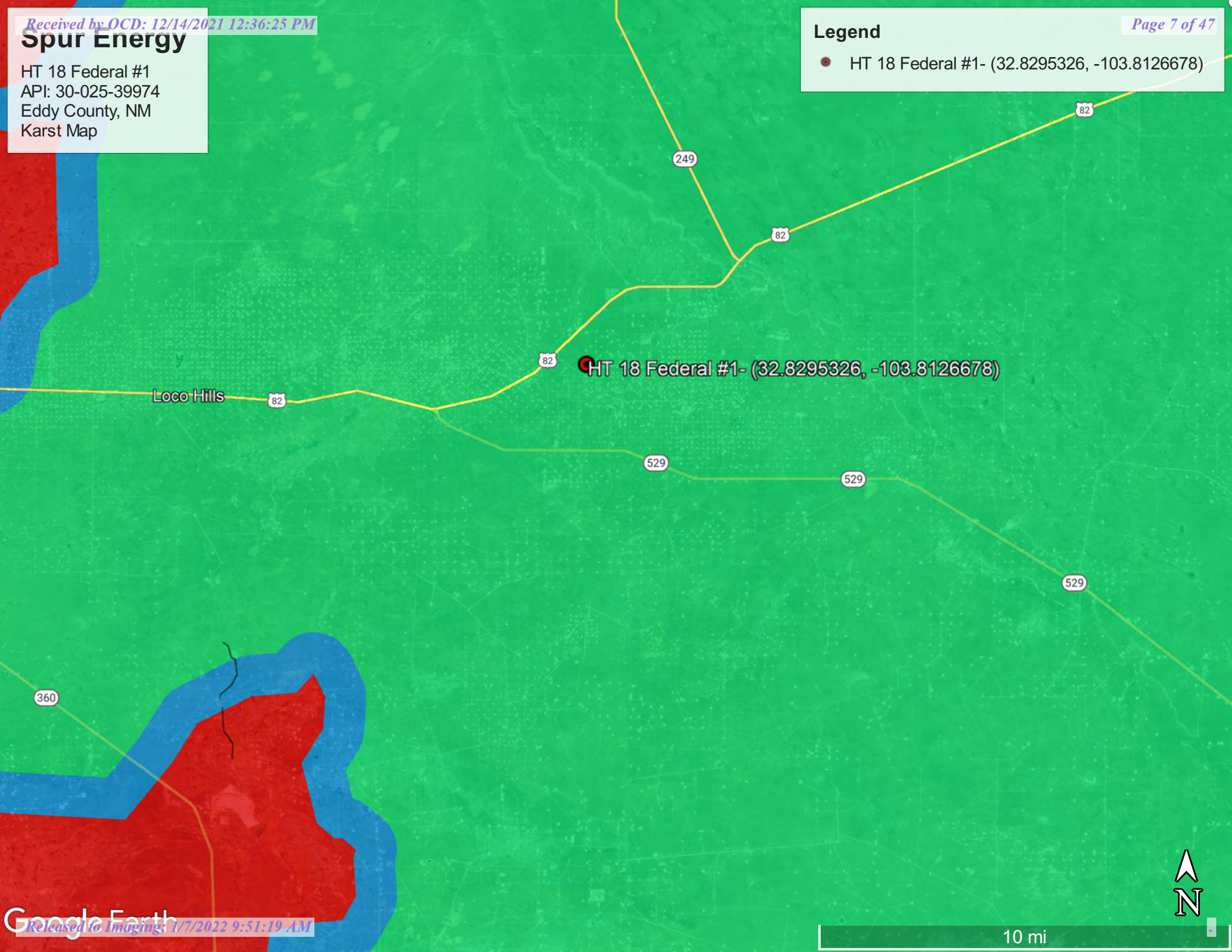


Spur Energy

HT 18 Federal #1
API: 30-025-39974
Eddy County, NM
Karst Map

Legend

- HT 18 Federal #1- (32.8295326, -103.8126678)

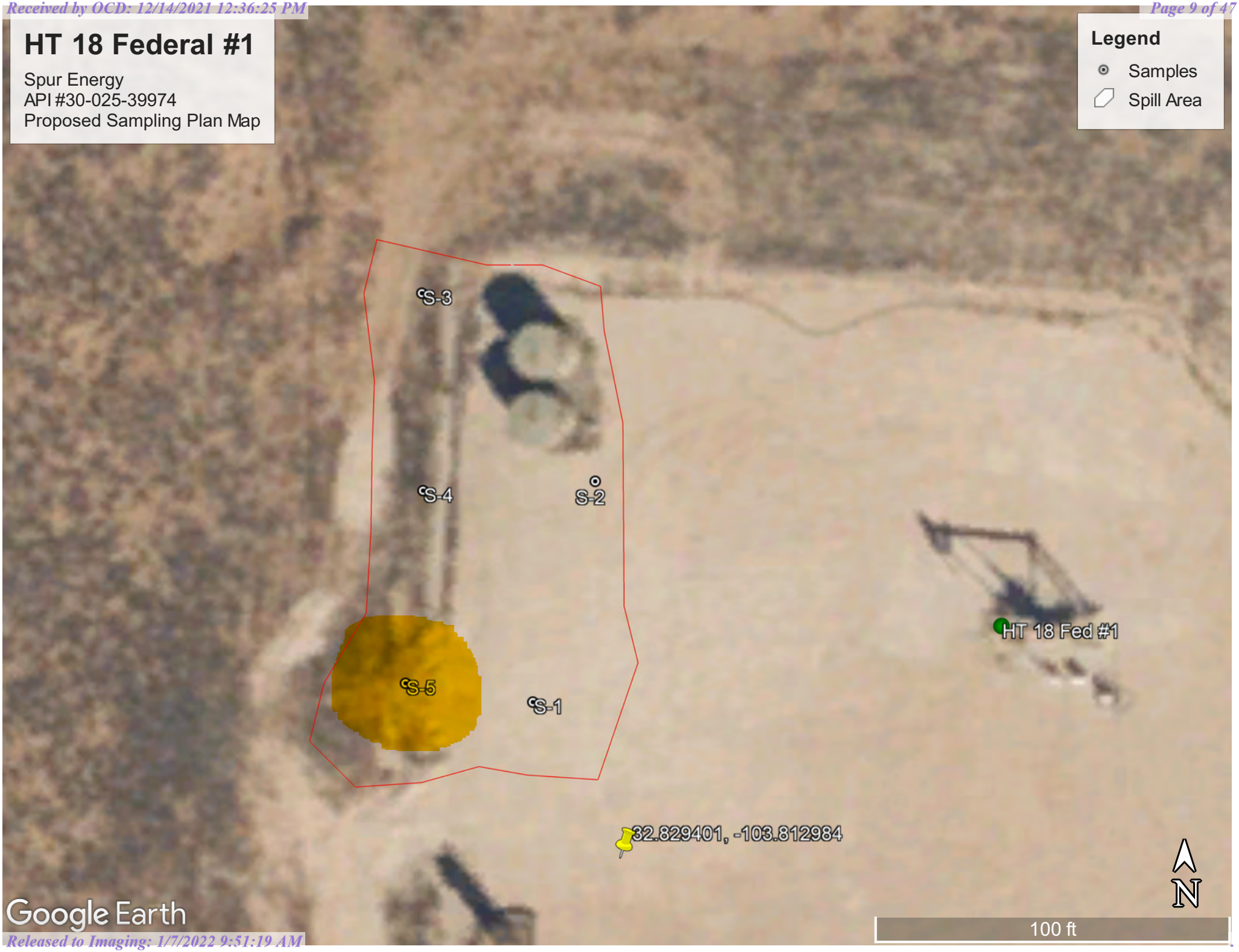


HT 18 Federal #1

Spur Energy
API #30-025-39974
Site Map

HT 18 Federal #1

Spur Energy
API #30-025-39974
Proposed Sampling Plan Map



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Appendix A

Water Surveys:

OSE

USGS

Surface Water Map

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
RA 12042 POD1		RA	LE	2	2	1	28	17S	32E	614891	3631181	4177	400		
RA 10175		RA	LE		2	1	28	17S	32E	614814	3631005*	4189	158		
RA 12020 POD1		RA	LE	2	2	1	28	17S	32E	614828	3630954	4226	120	81	39
RA 12522 POD1		RA	LE	3	3	4	21	17S	32E	614941	3631122	4247	100		
RA 12522 POD2		RA	LE	2	2	1	28	17S	32E	614949	3631098	4266	100		
RA 12522 POD3		RA	LE	4	4	3	28	17S	32E	614980	3631093	4296	100		
RA 12521 POD1		RA	LE	3	3	4	21	17S	32E	615127	3631271	4353	105	92	13
RA 12020 POD3		RA	LE	2	1	2	28	17S	32E	615152	3631019	4482	112	83	29
RA 12721 POD1		RA	LE	3	2	3	28	17S	32E	614645	3630141	4534	125		
RA 12721 POD2		RA	LE	1	1	4	28	17S	32E	615055	3630407	4706	124	75	49
RA 12721 POD8		RA	LE	1	2	1	33	17S	32E	614640	3629463	4989	130	108	22

Average Depth to Water: **87 feet**

Minimum Depth: **75 feet**

Maximum Depth: **108 feet**

Record Count: 11

UTMNAD83 Radius Search (in meters):

Easting (X): 611139.43 **Northing (Y):** 3633018.11 **Radius:** 5000

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

9/23/21 2:48 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

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.
- Full News

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

site_no list =

- 325216103575701

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

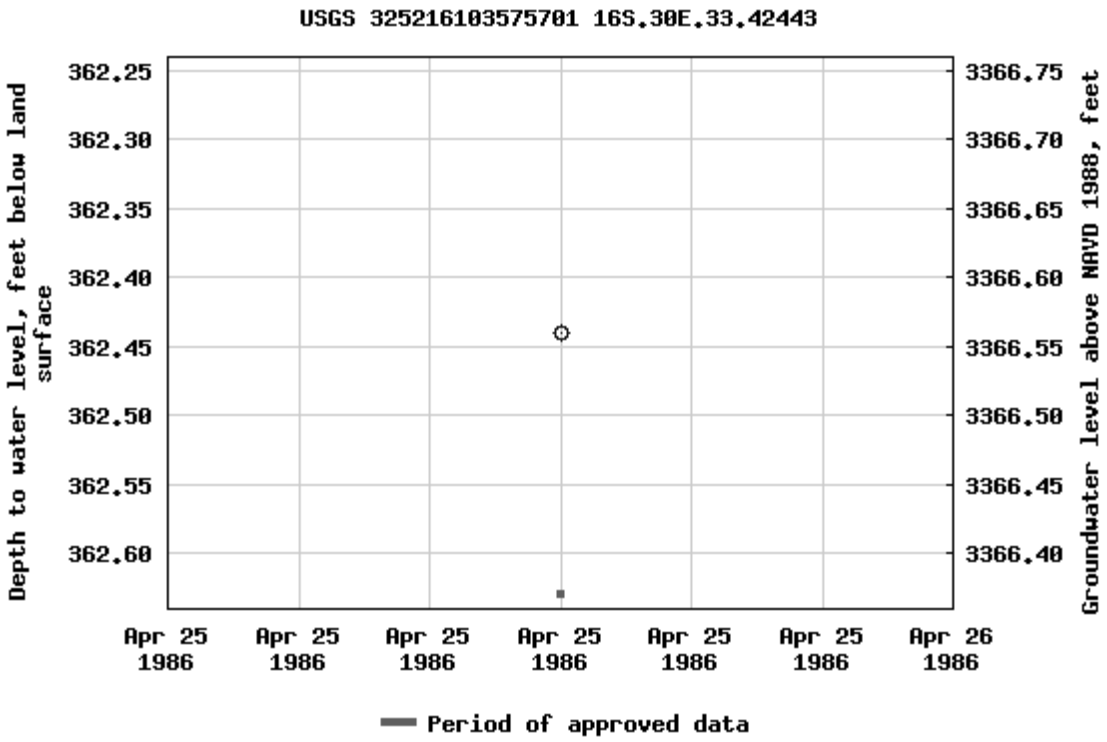
USGS 325216103575701 16S.30E.33.42443

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

Eddy County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°52'16", Longitude 103°57'57" NAD27
Land-surface elevation 3,729 feet above NAVD88
The depth of the well is 385 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Santa Rosa Sandstone (231SNRS) 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: 2021-10-27 16:31:48 EDT
0.7 0.62 nadww02

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.
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Groundwater levels for the Nation

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Search Results -- 1 sites found

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Save file of selected sites to local disk for future upload

USGS 325216103575701 16S.30E.33.42443

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Table of data
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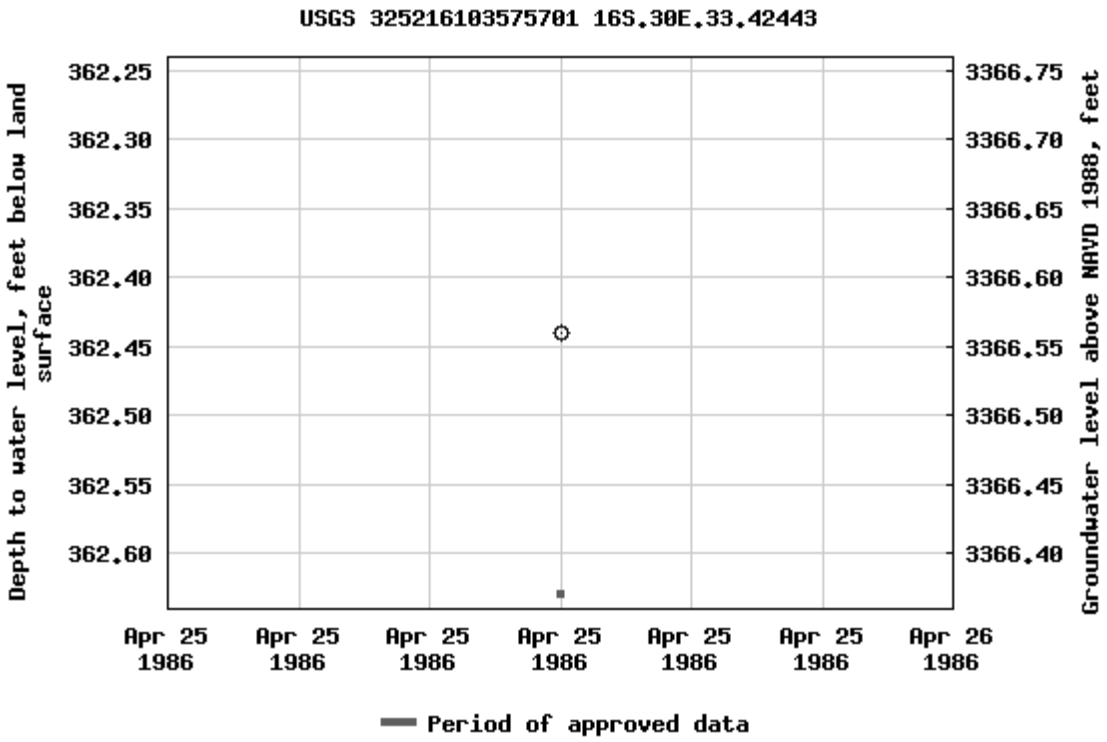

Breaks in the plot represent a gap of at least one year between field measurements.
Download a presentation-quality graph

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: 2021-10-27 16:32:45 EDT
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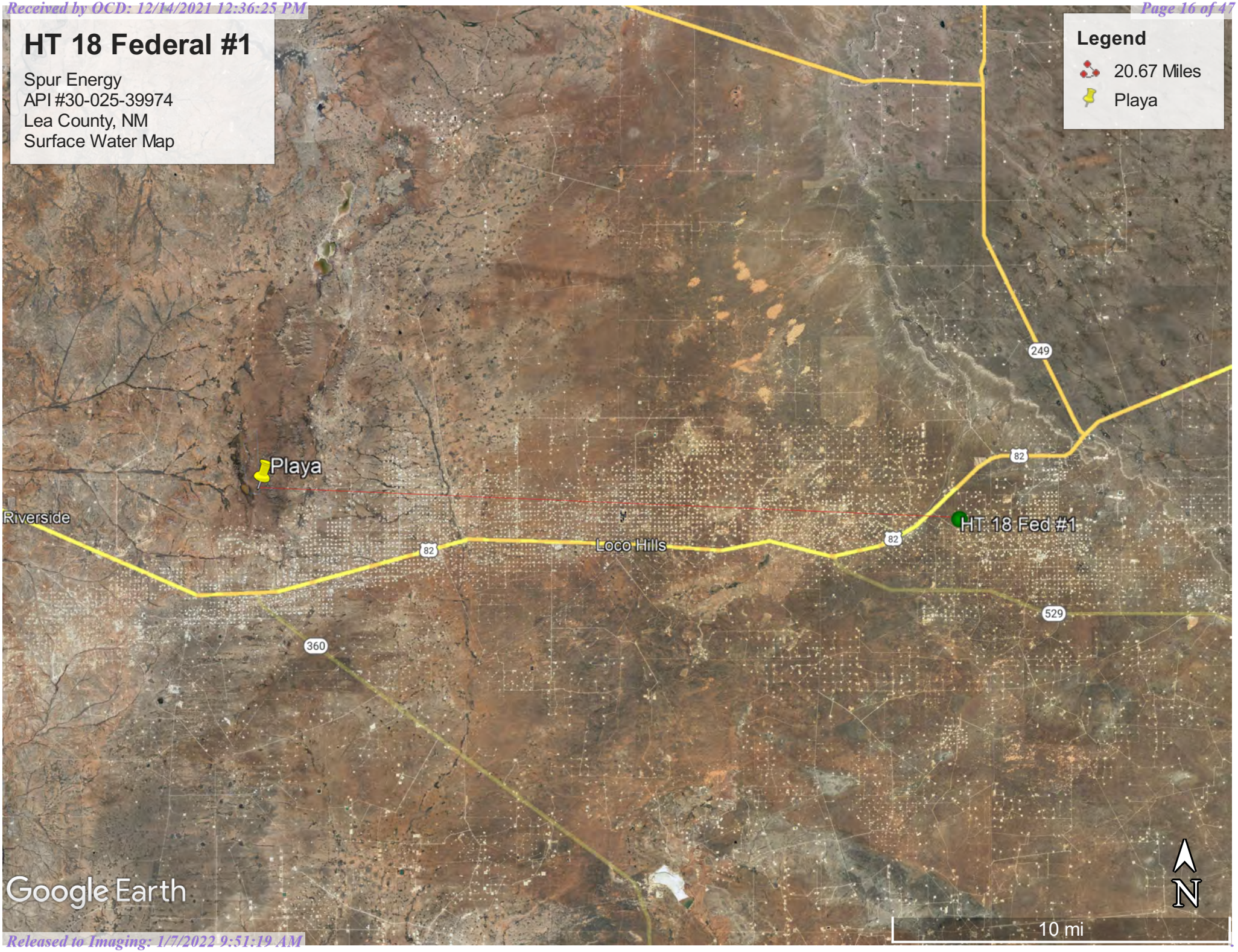
HT 18 Federal #1

Spur Energy
API #30-025-39974
Lea County, NM
Surface Water Map



Pima Environmental Services

Appendix B

Soil Survey & Geological Data

FEMA Flood Map

Lea County, New Mexico

KD—Kermit-Palomas fine sands, 0 to 12 percent slopes

Map Unit Setting

National map unit symbol: dmpv
Elevation: 3,000 to 4,400 feet
Mean annual precipitation: 10 to 12 inches
Mean annual air temperature: 60 to 62 degrees F
Frost-free period: 190 to 205 days
Farmland classification: Not prime farmland

Map Unit Composition

Kermit and similar soils: 70 percent
Palomas and similar soils: 20 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Kermit

Setting

Landform: Dunes
Landform position (two-dimensional): Shoulder, backslope, footslope
Landform position (three-dimensional): Side slope
Down-slope shape: Concave, convex, linear
Across-slope shape: Convex
Parent material: Calcareous sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 8 inches: fine sand
C - 8 to 60 inches: fine sand

Properties and qualities

Slope: 3 to 12 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Excessively drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): Very high (20.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline (0.0 to 1.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Low (about 3.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: A
Ecological site: R042XC005NM - Deep Sand
Hydric soil rating: No

Description of Palomas

Setting

Landform: Dunes
Landform position (two-dimensional): Shoulder, backslope, footslope
Landform position (three-dimensional): Side slope
Down-slope shape: Concave, convex, linear
Across-slope shape: Convex
Parent material: Alluvium derived from sandstone

Typical profile

A - 0 to 16 inches: fine sand
Bt - 16 to 60 inches: sandy clay loam
Bk - 60 to 66 inches: sandy loam

Properties and qualities

Slope: 0 to 5 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 50 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: Moderate (about 7.5 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: R042XC003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Maljamar

Percent of map unit: 4 percent
Ecological site: R042XC003NM - Loamy Sand
Hydric soil rating: No

Pyote

Percent of map unit: 4 percent

Ecological site: R042XC003NM - Loamy Sand
Hydric soil rating: No

Palomas

Percent of map unit: 1 percent
Ecological site: R042XC003NM - Loamy Sand
Hydric soil rating: No

Dune land

Percent of map unit: 1 percent
Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 17, Sep 12, 2021

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

National Flood Hazard Layer FIRMette

FEMA

103°49'6"W 32°50'2"N

103°48'28"W 32°49'32"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 Cross Sections with 1% Annual Chance
- 17.5 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 10/25/2021 at 5:26 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's:

Initial

Final

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	NAPP2103541864
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party SPUR **ENERGY PARTNERS**	OGRID **328947**
Contact Name **BRAIDY MOULDER**	Contact Telephone **713-264-2517**
Contact email **BMOULDER@SPUREPLLC.COM**	Incident # *(assigned by OCD)*
Contact mailing address **919 MILAM STREET SUITE 2475 HOUSTON, TEXAS 77002**	

Location of Release Source

Latitude **32.8295326** Longitude **-103.8126678**
(NAD 83 in decimal degrees to 5 decimal places)

Site Name **HT 18 FEDERAL #1**	Site Type **PRODUCTION**
Date Release Discovered **1/17/2020**	API# *(if applicable)* ***30-025-39974***

Unit Letter	Section	Township	Range	County
M	**18**	**17S**	**32E**	**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) **2BBLS**	Volume Recovered (bbls) **1.5BBLS**
☒ Produced Water	Volume Released (bbls) **3BBLS**	Volume Recovered (bbls) **2BBLS**
	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

THREADS ON 2" STEEL LINE WASHED OUT CAUSING THE 5BBL RELEASE. ALL FLUIDS REMAINED ON THE PRODUCTION PAD.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2103541864
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?
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: **NATALIE GLADDEN** Title: **DIRECTOR OF ENVIRONMENTAL AND REGULATORY**

Signature: Natalie Gladden Date: 2/4/20

email: **natalie@energystaffingllc.com** Telephone: **575-390-6397**

OCD Only

Received by: Ramona Marcus Date: 2/9/2021

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2103541864
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?	81 (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	NAPP2103541864
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: Dakota Neel Title: HSE Coordinator

Signature: Dakota Neel Date: 10/28/2021

email: dneel@spurepllc.com Telephone: 832-849-7837

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2103541864
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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

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

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

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

Printed Name: Dakota Neel Title: HSE Coordinator

Signature: Dakota Neel Date: 10/28/2021

email: dneel@spurepllc.com Telephone: 832-849-7837

OCD Only

Received by: Chad Hensley Date: 01/07/2022

☒ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: Chad Hensley Date: 01/07/2022

Pima Environmental Services

Appendix D

Photographic Documentation

SITE PHOTOGRAPHS
SPUR ENERGY

HT 18 FED #001

Site Assessment

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:	HT 18 Federal #001
Work Order:	E110006
Job Number:	21064-0001
Received:	10/2/2021

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/7/21

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

Date Reported: 10/7/21

Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: HT 18 Federal #001
Workorder: E110006
Date Received: 10/2/2021 11:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/2/2021 11:00:00AM, under the Project Name: HT 18 Federal #001.

The analytical test results summarized in this report with the Project Name: HT 18 Federal #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:

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Cell: 505-320-4759
ljarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	HT 18 Federal #001	**Reported:**
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/07/21 14:09

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1	E110006-01A	Soil	09/29/21	10/02/21	Glass Jar, 4 oz.
S2	E110006-02A	Soil	09/29/21	10/02/21	Glass Jar, 4 oz.
S3	E110006-03A	Soil	09/29/21	10/02/21	Glass Jar, 4 oz.
S4	E110006-04A	Soil	09/29/21	10/02/21	Glass Jar, 4 oz.
S5	E110006-05A	Soil	09/29/21	10/02/21	Glass Jar, 4 oz.

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	HT 18 Federal #001	
PO Box 247	Project Number:	21064-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/7/2021 2:09:01PM

S1

E110006-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2141023
Benzene	ND	0.0250	1	10/05/21	10/06/21	
Ethylbenzene	ND	0.0250	1	10/05/21	10/06/21	
Toluene	ND	0.0250	1	10/05/21	10/06/21	
o-Xylene	ND	0.0250	1	10/05/21	10/06/21	
p,m-Xylene	ND	0.0500	1	10/05/21	10/06/21	
Total Xylenes	ND	0.0250	1	10/05/21	10/06/21	
Surrogate: 4-Bromochlorobenzene-PID		*94.5 %*	*70-130*	*10/05/21*	*10/06/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2141023
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/05/21	10/06/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.3 %*	*70-130*	*10/05/21*	*10/06/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2141032
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/21	10/06/21	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/21	10/06/21	
Surrogate: n-Nonane		*108 %*	*50-200*	*10/06/21*	*10/06/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2141024
Chloride	ND	20.0	1	10/05/21	10/05/21	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	HT 18 Federal #001	
PO Box 247	Project Number:	21064-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/7/2021 2:09:01PM

S2

E110006-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2141023
Benzene	ND	0.0250	1	10/05/21	10/06/21	
Ethylbenzene	ND	0.0250	1	10/05/21	10/06/21	
Toluene	ND	0.0250	1	10/05/21	10/06/21	
o-Xylene	ND	0.0250	1	10/05/21	10/06/21	
p,m-Xylene	ND	0.0500	1	10/05/21	10/06/21	
Total Xylenes	ND	0.0250	1	10/05/21	10/06/21	
Surrogate: 4-Bromochlorobenzene-PID		*98.5 %*	*70-130*	*10/05/21*	*10/06/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2141023
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/05/21	10/06/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.4 %*	*70-130*	*10/05/21*	*10/06/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2141032
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/21	10/06/21	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/21	10/06/21	
Surrogate: n-Nonane		*111 %*	*50-200*	*10/06/21*	*10/06/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2141024
Chloride	ND	20.0	1	10/05/21	10/05/21	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	HT 18 Federal #001	
PO Box 247	Project Number:	21064-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/7/2021 2:09:01PM

S3

E110006-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2141023
Benzene	ND	0.0250	1	10/05/21	10/06/21	
Ethylbenzene	ND	0.0250	1	10/05/21	10/06/21	
Toluene	ND	0.0250	1	10/05/21	10/06/21	
o-Xylene	ND	0.0250	1	10/05/21	10/06/21	
p,m-Xylene	ND	0.0500	1	10/05/21	10/06/21	
Total Xylenes	ND	0.0250	1	10/05/21	10/06/21	
Surrogate: 4-Bromochlorobenzene-PID		*97.9 %*	*70-130*	*10/05/21*	*10/06/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2141023
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/05/21	10/06/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.8 %*	*70-130*	*10/05/21*	*10/06/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2141032
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/21	10/06/21	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/21	10/06/21	
Surrogate: n-Nonane		*106 %*	*50-200*	*10/06/21*	*10/06/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2141024
Chloride	ND	20.0	1	10/05/21	10/06/21	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	HT 18 Federal #001	
PO Box 247	Project Number:	21064-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/7/2021 2:09:01PM

S4

E110006-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2141023
Benzene	ND	0.0250	1	10/05/21	10/06/21	
Ethylbenzene	ND	0.0250	1	10/05/21	10/06/21	
Toluene	ND	0.0250	1	10/05/21	10/06/21	
o-Xylene	ND	0.0250	1	10/05/21	10/06/21	
p,m-Xylene	ND	0.0500	1	10/05/21	10/06/21	
Total Xylenes	ND	0.0250	1	10/05/21	10/06/21	
Surrogate: 4-Bromochlorobenzene-PID		*97.4 %*	*70-130*	*10/05/21*	*10/06/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2141023
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/05/21	10/06/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.6 %*	*70-130*	*10/05/21*	*10/06/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2141032
Diesel Range Organics (C10-C28)	ND	25.0	1	10/06/21	10/06/21	
Oil Range Organics (C28-C36)	ND	50.0	1	10/06/21	10/06/21	
Surrogate: n-Nonane		*98.8 %*	*50-200*	*10/06/21*	*10/06/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2141024
Chloride	**24.6**	20.0	1	10/05/21	10/06/21	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	HT 18 Federal #001	
PO Box 247	Project Number:	21064-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/7/2021 2:09:01PM

S5

E110006-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2141023
Benzene	ND	0.0250	1	10/05/21	10/06/21	
Ethylbenzene	ND	0.0250	1	10/05/21	10/06/21	
Toluene	ND	0.0250	1	10/05/21	10/06/21	
o-Xylene	ND	0.0250	1	10/05/21	10/06/21	
p,m-Xylene	ND	0.0500	1	10/05/21	10/06/21	
Total Xylenes	ND	0.0250	1	10/05/21	10/06/21	
Surrogate: 4-Bromochlorobenzene-PID		*97.3 %*	*70-130*	*10/05/21*	*10/06/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2141023
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/05/21	10/06/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.7 %*	*70-130*	*10/05/21*	*10/06/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2141032
Diesel Range Organics (C10-C28)	**87.8**	50.0	2	10/06/21	10/06/21	
Oil Range Organics (C28-C36)	**188**	100	2	10/06/21	10/06/21	
Surrogate: n-Nonane		*101 %*	*50-200*	*10/06/21*	*10/06/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2141024
Chloride	ND	20.0	1	10/05/21	10/06/21	

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	HT 18 Federal #001	**Reported:**
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/7/2021 2:09:01PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2141023-BLK1)									Prepared: 10/05/21 Analyzed: 10/06/21
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.92*		*8.00*		*99.0*	*70-130*			
LCS (2141023-BS1)									Prepared: 10/05/21 Analyzed: 10/06/21
Benzene	4.93	0.0250	5.00		98.7	70-130			
Ethylbenzene	4.67	0.0250	5.00		93.4	70-130			
Toluene	4.90	0.0250	5.00		97.9	70-130			
o-Xylene	4.79	0.0250	5.00		95.7	70-130			
p,m-Xylene	9.47	0.0500	10.0		94.7	70-130			
Total Xylenes	14.3	0.0250	15.0		95.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.91*		*8.00*		*98.9*	*70-130*			
Matrix Spike (2141023-MS1)				**Source: E110006-01**					Prepared: 10/05/21 Analyzed: 10/06/21
Benzene	5.03	0.0250	5.00	ND	101	54-133			
Ethylbenzene	4.79	0.0250	5.00	ND	95.8	61-133			
Toluene	5.00	0.0250	5.00	ND	100	61-130			
o-Xylene	4.88	0.0250	5.00	ND	97.5	63-131			
p,m-Xylene	9.71	0.0500	10.0	ND	97.1	63-131			
Total Xylenes	14.6	0.0250	15.0	ND	97.2	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.61*		*8.00*		*95.1*	*70-130*			
Matrix Spike Dup (2141023-MSD1)				**Source: E110006-01**					Prepared: 10/05/21 Analyzed: 10/06/21
Benzene	5.04	0.0250	5.00	ND	101	54-133	0.125	20	
Ethylbenzene	4.81	0.0250	5.00	ND	96.2	61-133	0.419	20	
Toluene	5.01	0.0250	5.00	ND	100	61-130	0.118	20	
o-Xylene	4.89	0.0250	5.00	ND	97.8	63-131	0.241	20	
p,m-Xylene	9.73	0.0500	10.0	ND	97.3	63-131	0.280	20	
Total Xylenes	14.6	0.0250	15.0	ND	97.5	63-131	0.267	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.56*		*8.00*		*94.5*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	HT 18 Federal #001	**Reported:**
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/7/2021 2:09:01PM

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 (2141023-BLK1)									Prepared: 10/05/21 Analyzed: 10/06/21
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.25*		*8.00*		*90.7*	*70-130*			
LCS (2141023-BS2)									Prepared: 10/05/21 Analyzed: 10/06/21
Gasoline Range Organics (C6-C10)	44.4	20.0	50.0		88.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.28*		*8.00*		*91.0*	*70-130*			
Matrix Spike (2141023-MS2)				**Source: E110006-01**					Prepared: 10/05/21 Analyzed: 10/06/21
Gasoline Range Organics (C6-C10)	44.1	20.0	50.0	ND	88.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.53*		*8.00*		*94.1*	*70-130*			
Matrix Spike Dup (2141023-MSD2)				**Source: E110006-01**					Prepared: 10/05/21 Analyzed: 10/06/21
Gasoline Range Organics (C6-C10)	46.9	20.0	50.0	ND	93.9	70-130	6.20	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.43*		*8.00*		*92.8*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	HT 18 Federal #001	**Reported:**
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/7/2021 2:09:01PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

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

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	HT 18 Federal #001	**Reported:**
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/7/2021 2:09:01PM

Anions by EPA 300.0/9056A

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 (2141024-BLK1)									Prepared: 10/05/21 Analyzed: 10/05/21
Chloride	ND	20.0							
LCS (2141024-BS1)									Prepared: 10/05/21 Analyzed: 10/05/21
Chloride	247	20.0	250		98.7	90-110			
Matrix Spike (2141024-MS1)				**Source: E110006-01**					Prepared: 10/05/21 Analyzed: 10/05/21
Chloride	245	20.0	250	ND	97.9	80-120			
Matrix Spike Dup (2141024-MSD1)				**Source: E110006-01**					Prepared: 10/05/21 Analyzed: 10/05/21
Chloride	245	20.0	250	ND	97.9	80-120	0.0245	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:	HT 18 Federal #001	
PO Box 247	Project Number:	21064-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	10/07/21 14:09

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

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

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

Project Information | Chain of Custody | Page 1 of 1

Client: Pima Environmental Services	Bill To
Project: AT 18 Federal #001	Attention: Pima Environmental Services
Project Manager: Tom Bynum	Address: 1601 N Turner St., Suite 500
Address: 1601 N Turner St., Suite 500	City, State, Zip Hobbs, NM, 88240
City, State, Zip Hobbs, NM, 88240	Phone: 575-964-7740
Phone: 580-748-1613	Email: mae@pimaoil.com
Email: tom@pimaoil.com	Pima Project #
Report due by:	

Lab Use Only: Lab WO# E 110006 | 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
	9/29/21	Soil	1-4oz	S1	1	X	
				S2	2		
				S3	3		
				S4	4		
				S5	5		

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: Sebastian Orosco

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
Sebastian Orosco	9/30/21	1:45pm		9.30.21	1345
	9.30.21	1650	Maria Schumm	10/2/21	11:00

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: 10/2/2021 12:17:48PM

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:	10/02/21 11:00	Work Order ID:	E110006
Phone:	(575) 631-6977	Date Logged In:	10/02/21 12:15	Logged In By:	Raina Schwanz
Email:	tom@pimaoil.com	Due Date:	10/07/21 17:00 (3 day TAT)		

Chain of Custody (COC)

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	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 66935

CONDITIONS

Operator: Pima Environmental Services, LLC 5614 N Lovington Hwy Hobbs, NM 88240	OGRID: 329999
	Action Number: 66935
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	None	1/7/2022