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

March 20th, 2022

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

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

Re: Site Assessment, Remediation, and Closure Report
Rose #002H
API No. 30-015-45113
GPS: Latitude 32.682299 Longitude -104.426263
UL "D", Sec. 7, T19S, R26E
Eddy County, NM
NMOCD Ref. No. NRM2025560181

Pima Environmental Services, LLC (Pima) has been contracted by Spur Energy Partners (Spur) to perform a spill assessment and submit this closure report for a produced water release that occurred at the Rose #002H (Rose). The initial C-141 was submitted on September 11th, 2020 (Appendix C). This incident was assigned Incident ID NRM2025560181, by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The Rose is located approximately twelve (12) miles south of Artesia, NM. This spill site is in Unit D, Section 7, Township 19S, Range 26E, Latitude 32.32.682299, Longitude -104.426263, 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 – Piedmont alluvial deposits. Includes deposits of higher gradient tributaries bordering major stream valleys, alluvial veneers of the piedmont slope, and alluvial fans. May locally include uppermost Pliocene deposits. The soil in this area is made up of Reagan-Upton association, 0 to 9 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 medium potential for karst geology to be present around the Rose (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 100 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is 70 feet BGS. The closest waterway is Brantley Lake located approximately 6.43 miles to the southeast 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' (Lack of 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

NRM2025560181: On September 8th, 2020, the check valve developed a pin hole on the Rose CTB Water Line. The leak is located SE of the battery approximately 300 yards in the pasture area, the estimated area of impact is 12'x7'. The volume of the release was calculated to be approximately 30 barrels (bbls) of produced water. A vacuum truck was able to recover approximately 27 bbls of total fluid.

Site Assessment and Soil Sampling Results

On September 17th, 2021, Pima mobilized personnel to the site to assess the area. We sampled the impacted pasture area. Laboratory results of this sampling event can be found in the following data table. A Site map can be found in Figure 4.

9-17-2021 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC - Depth to Groundwater is <100'								
SPUR ENERGY - ROSE #2H								
9/17/2021		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	6"	--	--	--	--	--	0	16
	1'	--	--	--	--	--	0	112
S-2	6"	--	--	--	--	--	0	**14900**
	1'	--	--	--	--	--	0	**8000**
	3'	--	--	--	--	--	0	32
S-3	6"	--	--	--	--	--	0	**6960**
	1'	--	--	--	--	--	0	**2360**
	2'	--	--	--	--	--	0	32
S-4	6"	--	--	--	--	--	0	**3000**
	1'	--	--	--	--	--	0	80
S-5	6"	--	--	--	--	--	0	**1800**
	1'	--	--	--	--	--	0	**656**
SW-1	6"	--	--	--	--	--	0	32
SW-2	6"	--	--	--	--	--	0	ND
SW-3	6"	--	--	--	--	--	0	ND
SW-4	6"	--	--	--	--	--	0	ND
SW-5	6"	--	--	--	--	--	0	ND
SW-6	6"	--	--	--	--	--	0	ND
SW-7	6"	--	--	--	--	--	0	ND
SW-8	6"	--	--	--	--	--	0	ND
SW-9	6"	--	--	--	--	--	0	ND
BG-1	6"	--	--	--	--	--	0	ND
BG-2	6"	--	--	--	--	--	0	ND

ND- Analyte Not Detected

Remediation Activities

On November 29th, 2021, Pima returned to the site for the purpose of remediation of the contaminated areas. A Remediation map shows areas of contamination and can be found in Figure 5. A total of approximately 130 cubic yards of contaminated materials were removed. See Appendix D for photographic documentation.

On December 1st, 2021, after sending a 48-hour notification, Pima returned to collect confirmation samples of the affected area. The laboratory results of this sampling event can be found in the following table. A confirmation sample map can be found in Figure 6.

12-1-2021 Confirmation Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC - Depth to Groundwater is <50'								
SPUR ENERGY - ROSE #2H								
Date 12/1/2021		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
CS-1	2'	ND	ND	ND	ND	ND	0	32
CS-2	2'	ND	ND	ND	ND	ND	0	ND
CS-3	2'	ND	ND	ND	ND	ND	0	ND
CS-4	2'	ND	ND	ND	ND	ND	0	16
CS-5	1'	ND	ND	ND	ND	ND	0	16
CS-6	1'	ND	ND	ND	ND	ND	0	ND
CS-7	1'	ND	ND	ND	ND	ND	0	ND
CS-8	1'	ND	ND	ND	ND	ND	0	ND
CS-9	1'	ND	ND	ND	ND	ND	0	ND
CS-10	1'	ND	ND	ND	ND	ND	0	ND
CS-11	1'	ND	ND	ND	ND	ND	0	ND
CS-12	1'	ND	ND	ND	ND	ND	0	ND
SW-1	1'	ND	ND	ND	ND	ND	0	ND
SW-2	2'	ND	ND	ND	ND	ND	0	ND
SW-3	2'	ND	ND	ND	ND	ND	0	ND
SW-4	1'	ND	ND	ND	ND	ND	0	ND
SW-5	1'	ND	ND	ND	ND	ND	0	ND
SW-6	1'	ND	ND	ND	ND	ND	0	ND
SW-7	1'	ND	ND	ND	ND	ND	0	ND

ND – Analyte Not Detected

Complete laboratory reports can be found in Appendix E.

Based on the sample results, the bottom and sidewalls were below NMOCD Closure Criteria 19.15.29 NMAC. The contaminated material was transported to Lea Land, a NMOCD approved disposal site. The excavation was then backfilled with clean like material, machine compacted and contoured to match the surrounding terrain.

Closure Request

After careful review, Pima requests that this incident, NRM2025560181 be closed. Spur 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 Gio Gomez at 806-782-1151 or gio@pimaoil.com.

Respectfully,

Gio Gomez

Gio Gomez
Environmental Project Manager
Pima Environmental Services, LLC

Attachments

Figures:
1- Location Map
2- Topographic Map
3- Karst Map
4- Site Map
5- Remediation Map
6- Confirmation Sample Map

Appendices:
Appendix A – Referenced Water Surveys
Appendix B – Soil Survey and Geological Data
Appendix C – C-141 Form & 48-Hour Notification
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-Remediation Map

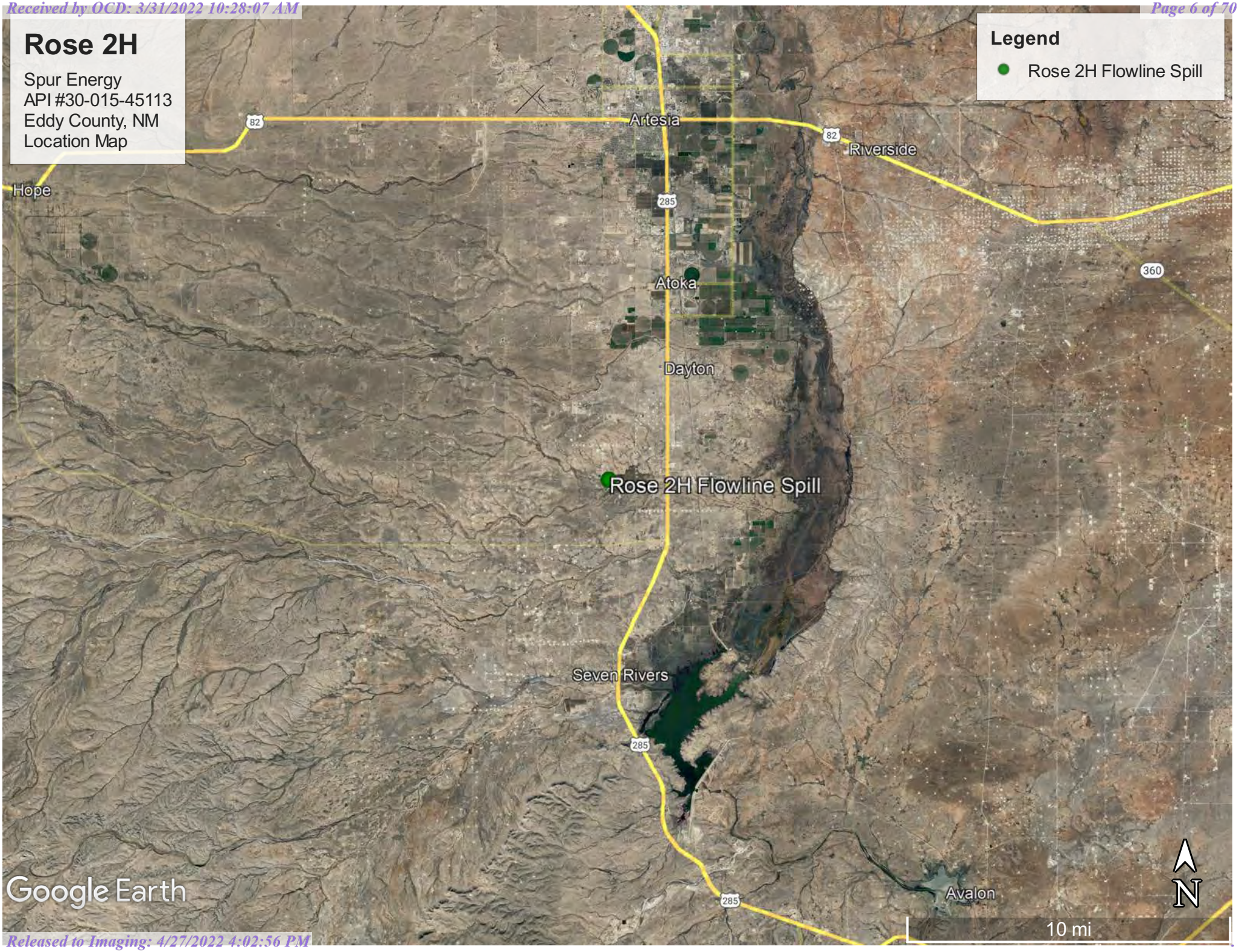
6-Confirmation Sample Map

Rose 2H

Spur Energy
API #30-015-45113
Eddy County, NM
Location Map

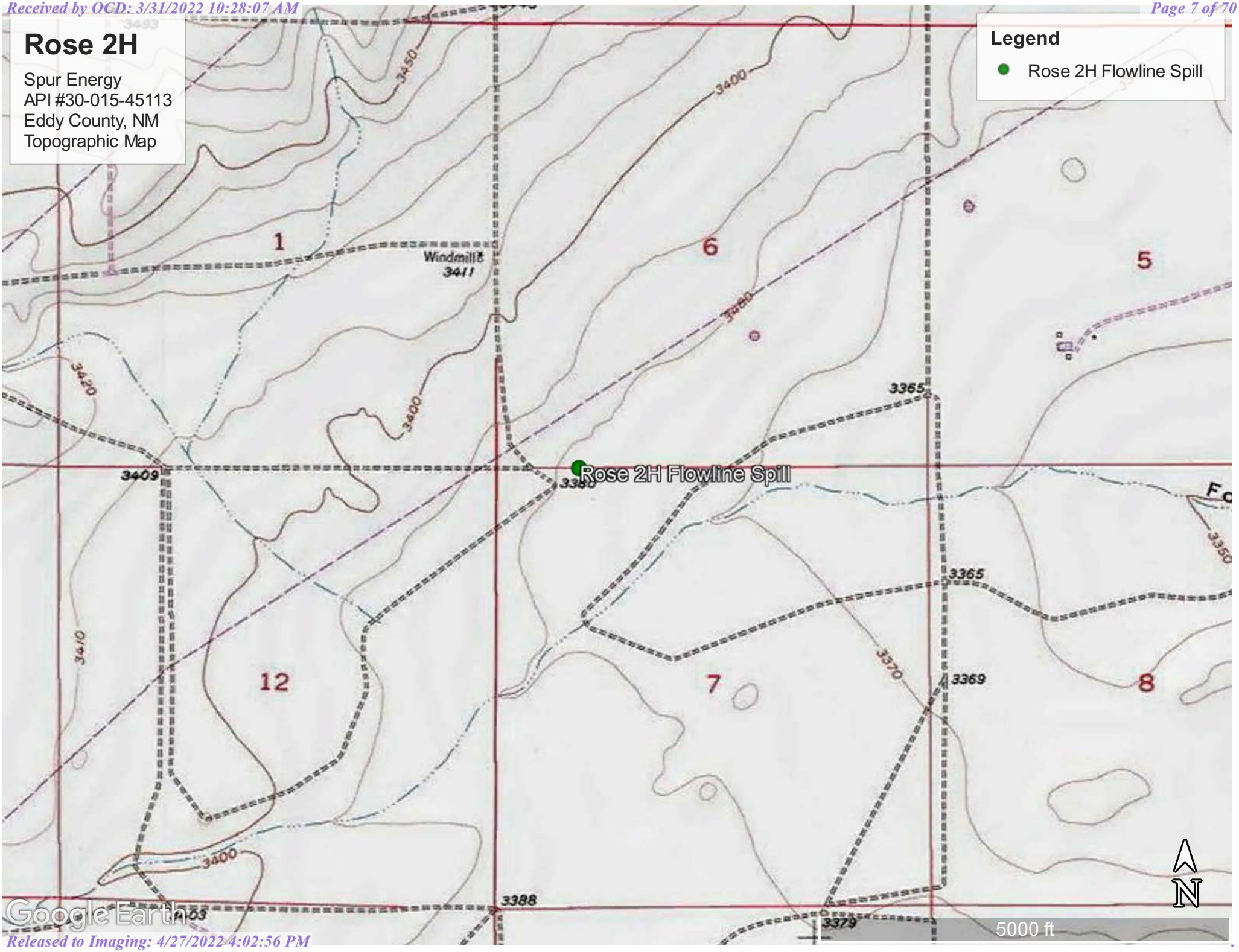
Legend

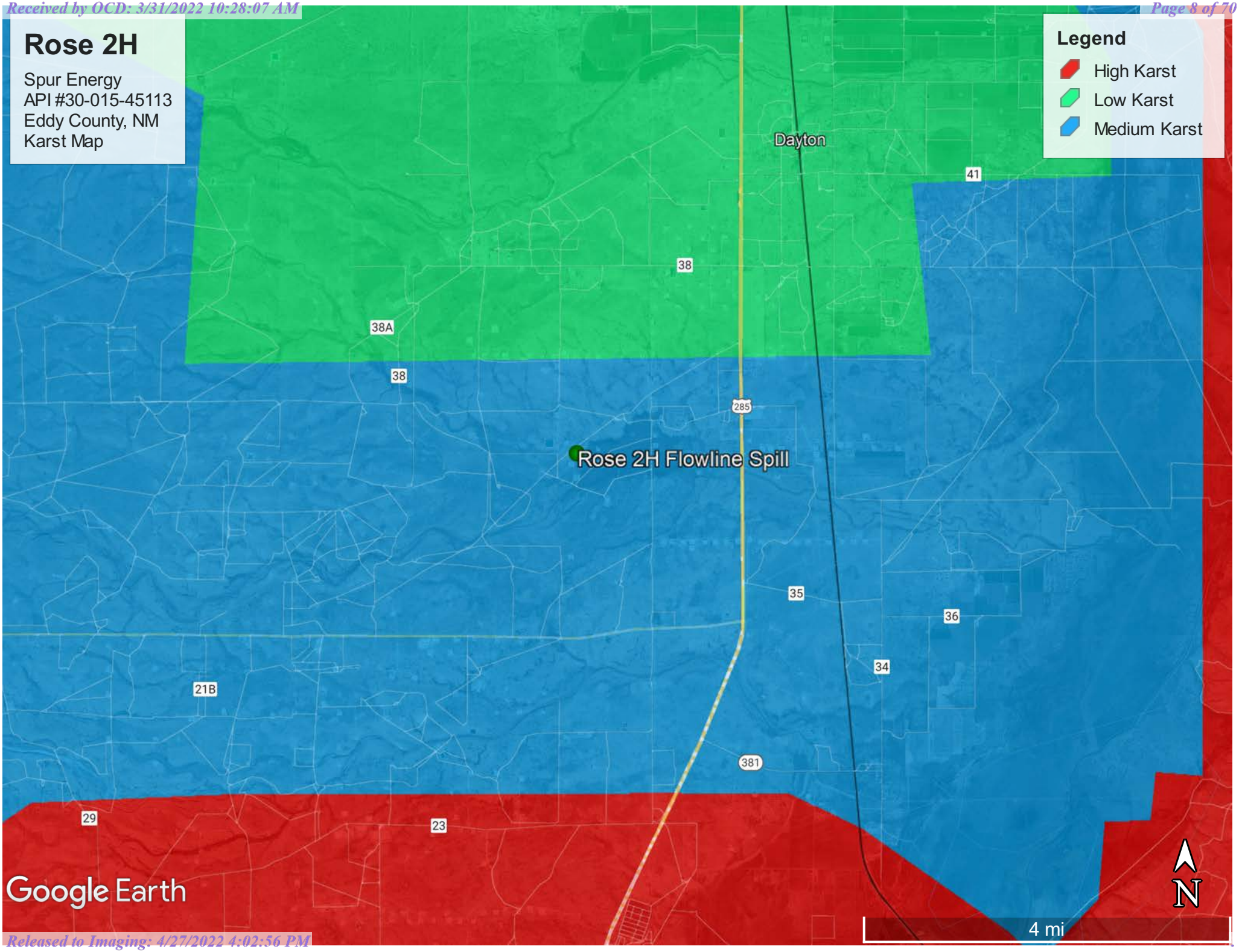
- Rose 2H Flowline Spill

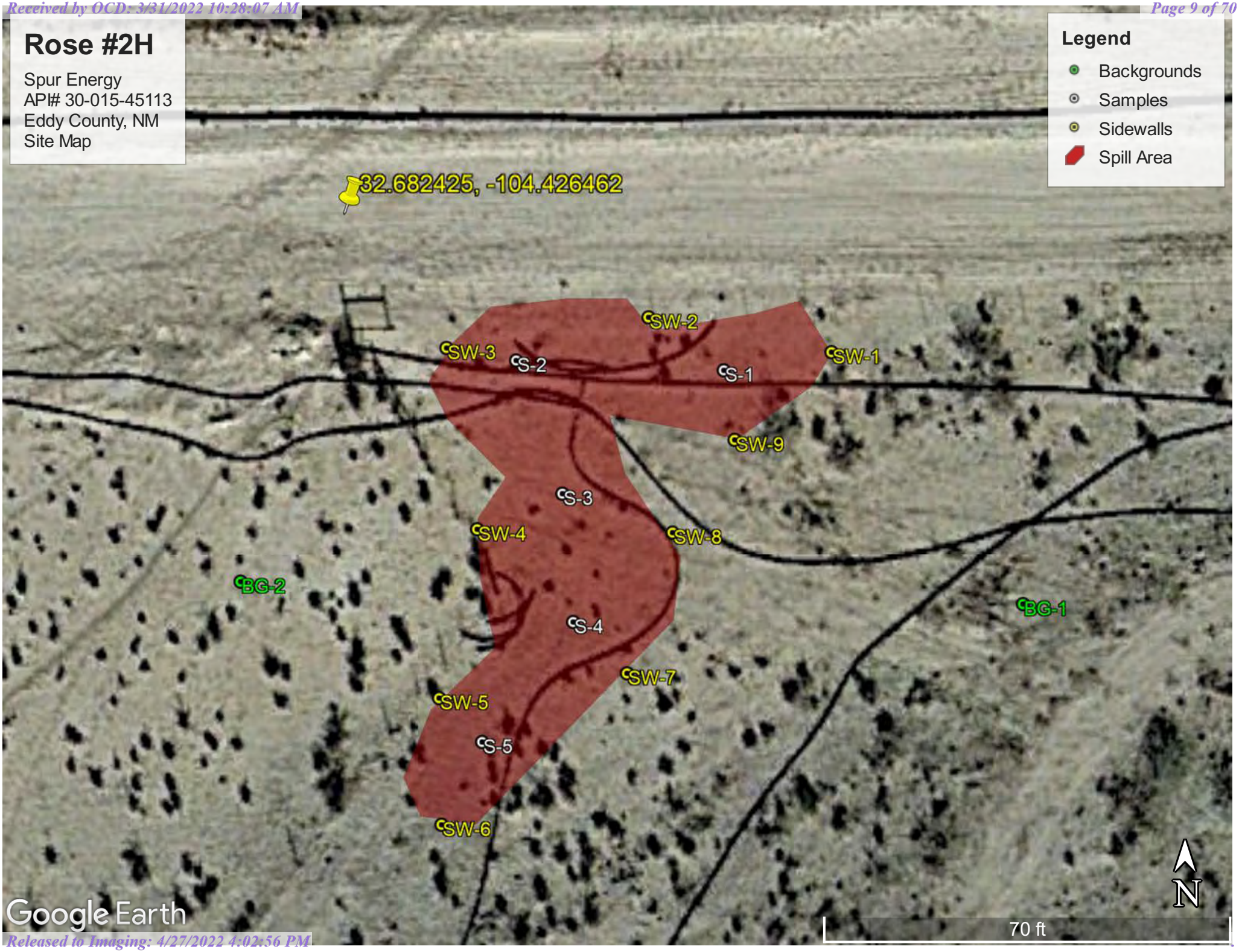


Rose 2H

Spur Energy
API #30-015-45113
Eddy County, NM
Topographic Map

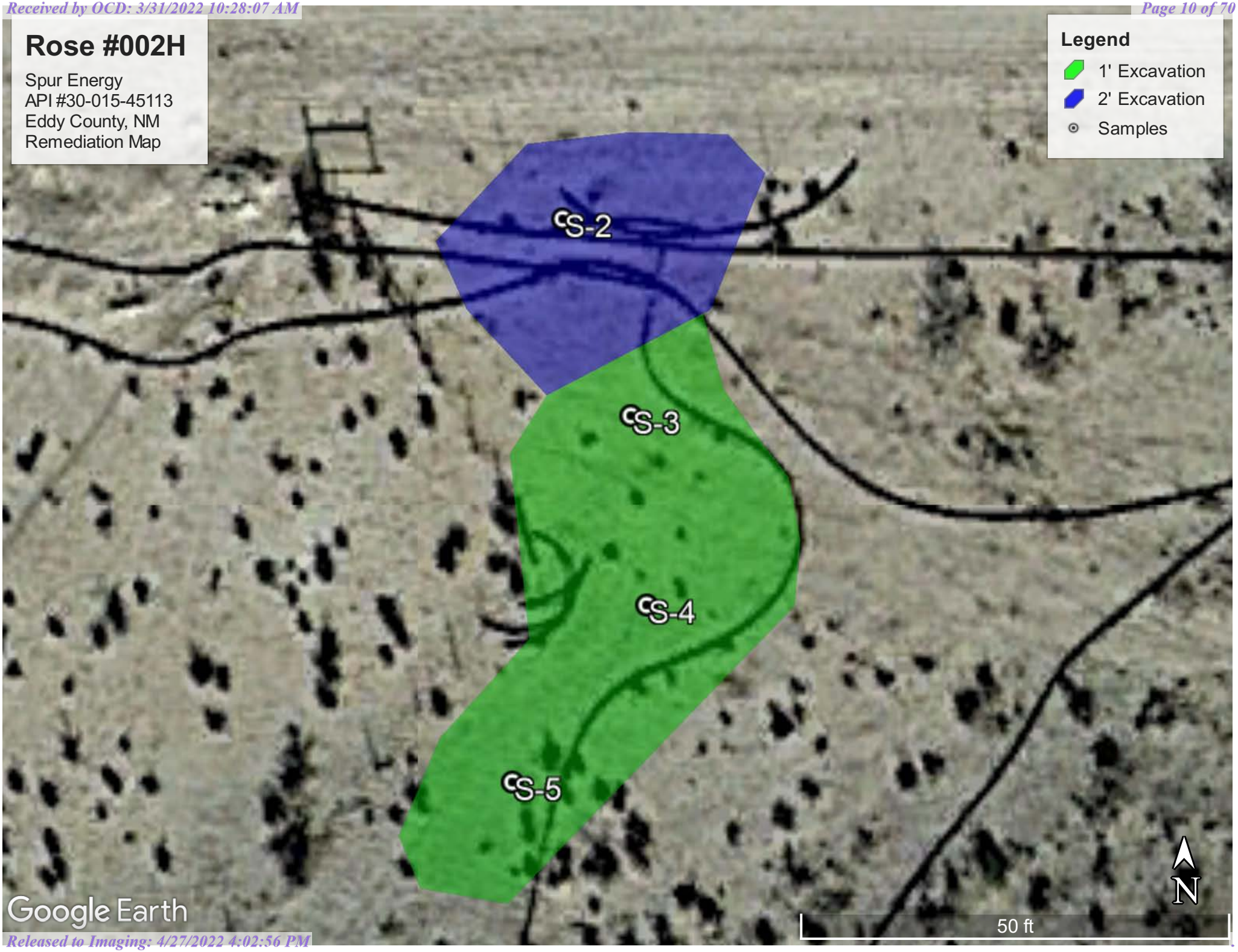



Rose 2H
Spur Energy
API #30-015-45113
Eddy County, NM
Karst Map
Legend
High Karst
Low Karst
Medium Karst
Dayton
41
38
38A
38
285
Rose 2H Flowline Spill
35
36
34
21B
381
29
23
Google Earth
N
4 mi


Rose #2H
Spur Energy
API# 30-015-45113
Eddy County, NM
Site Map
32.682425, -104.426462
Legend
Backgrounds
Samples
Sidewalls
Spill Area
SW-2
SW-3
S-2
S-1
SW-1
SW-9
S-3
SW-4
SW-8
BG-2
BG-1
S-4
SW-7
SW-5
S-5
SW-6
N
70 ft
Google Earth

Rose #002H

Spur Energy
API #30-015-45113
Eddy County, NM
Remediation Map



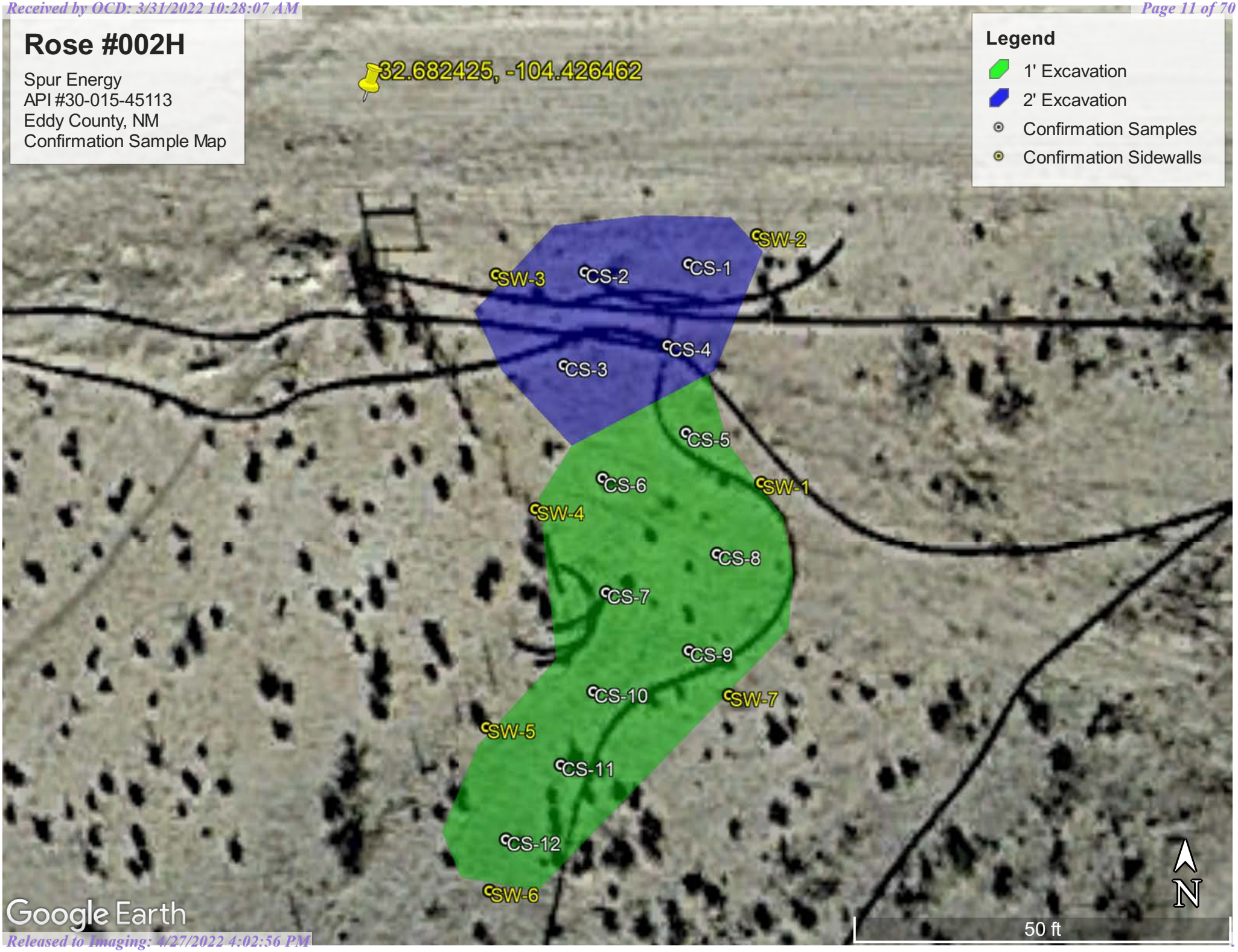
Rose #002H

Spur Energy
API #30-015-45113
Eddy County, NM
Confirmation Sample Map

32.682425, -104.426462

Legend

- 1' Excavation
- 2' Excavation
- Confirmation Samples
- Confirmation Sidewalls



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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 03983		RA	CH		4	3	01	19S	25E	552457	3616444*	1330	375	100	275
RA 01343		RA	ED	2	1	1	18	19S	26E	553777	3614525*	1701	440	69	371
RA 07954		RA	ED	3	2	3	05	19S	26E	555566	3616763*	1874	290	175	115
RA 07639		RA	ED		3	1	01	19S	25E	552049	3617250*	2002	260	172	88
RA 07066		RA	ED	3	4	1	05	19S	26E	555561	3617166*	2022	202	100	102
RA 07066 POD2		RA	ED	4	4	1	05	19S	26E	555761	3617166*	2201	150		
RA 06986		RA	ED		1	4	05	19S	26E	556070	3616865*	2387	195	165	30
RA 07172		RA	ED		1	4	05	19S	26E	556070	3616865*	2387	210	95	115
RA 06588		RA	ED	4	3	4	05	19S	26E	556173	3616360*	2406	200		

Average Depth to Water: **125 feet**

Minimum Depth: **69 feet**

Maximum Depth: **175 feet**

Record Count: 9

UTMNAD83 Radius Search (in meters):

Easting (X): 553769.9 **Northing (Y):** 3616226.17 **Radius:** 2500

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

10/27/21 3:34 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 =

- 324025104254201

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

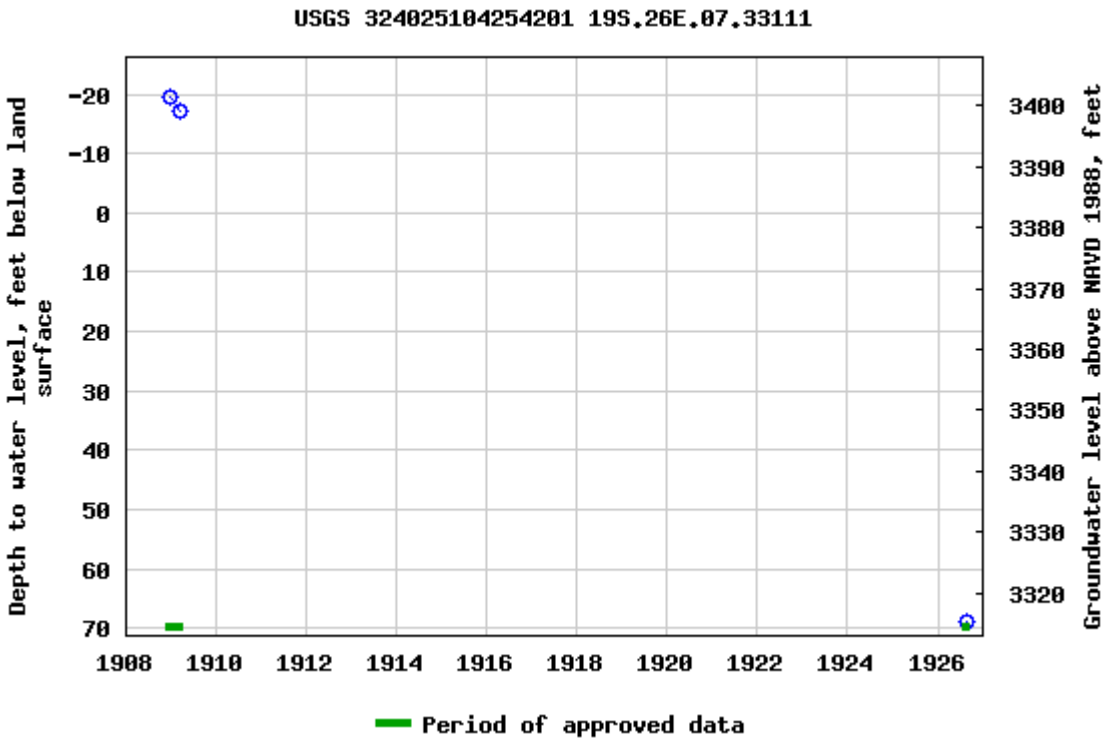
USGS 324025104254201 19S.26E.07.33111

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

Eddy County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°40'25", Longitude 104°25'42" NAD27
Land-surface elevation 3,383 feet above NAVD88
The depth of the well is 725 feet below land surface.
This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.
This well is completed in the Grayburg Formation of Artesia Group (313GRBG) 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 17:37:28 EDT
0.65 0.56 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.
- Full News

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

site_no list =

- 324019104254201

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

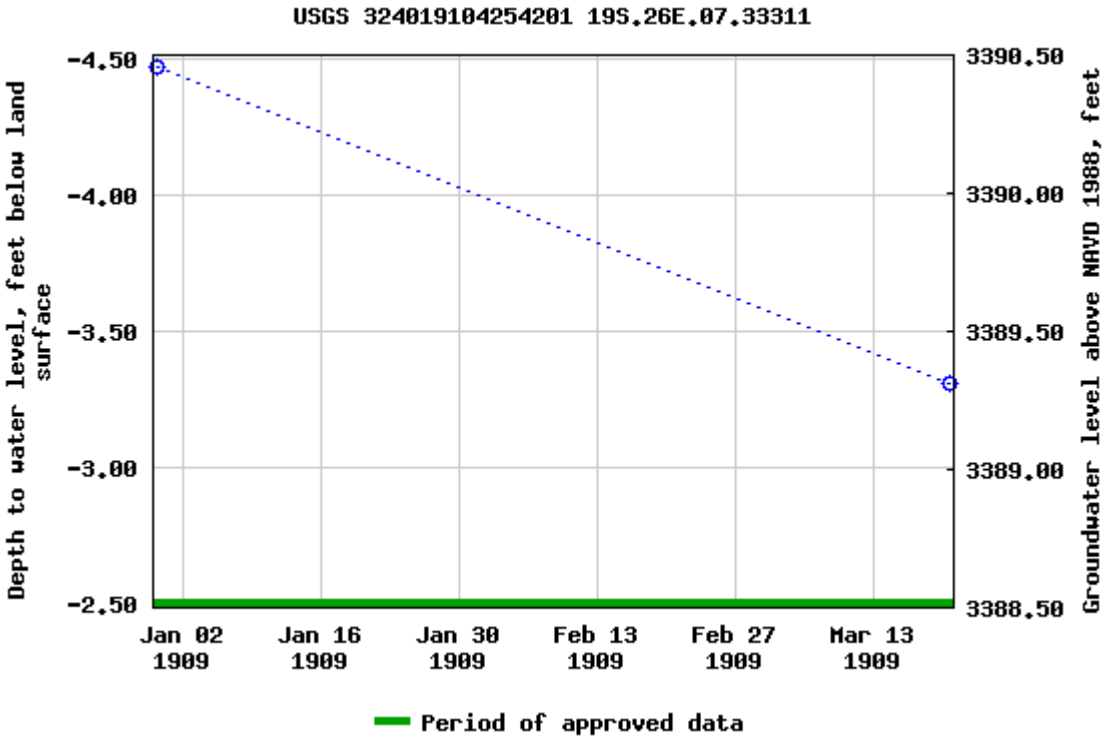
USGS 324019104254201 19S.26E.07.33311

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

Eddy County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°40'19", Longitude 104°25'42" NAD27
Land-surface elevation 3,386 feet above NAVD88
This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.
This well is completed in the Grayburg Formation of Artesia Group (313GRBG) 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.
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Questions about sites/data?
Feedback on this web site
Automated retrievals
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Data Tips
Explanation of terms
Subscribe for system changes
News

Accessibility FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey

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 17:38:08 EDT
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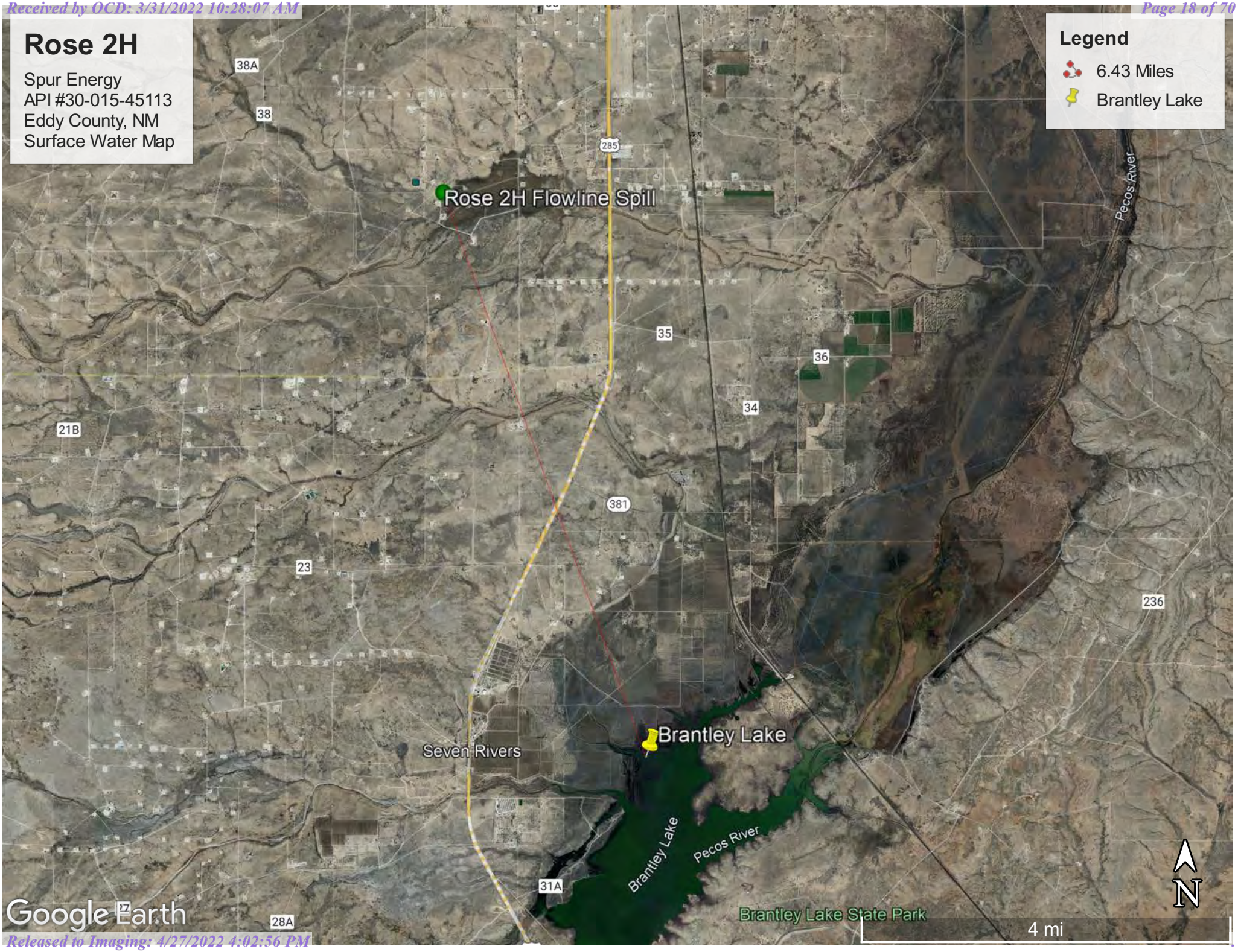
Rose 2H
Spur Energy
API #30-015-45113
Eddy County, NM
Surface Water Map
Legend
6.43 Miles
Brantley Lake
Rose 2H Flowline Spill
Brantley Lake
Seven Rivers
Brantley Lake
Pecos River
Pecos River
Brantley Lake State Park
38A
38
285
35
36
34
21B
381
23
236
31A
28A
Google Earth
4 mi
N

Pima Environmental Services

Appendix B

Soil Survey & Geological Data

FEMA Flood Map

Eddy Area, New Mexico

RE—Reagan-Upton association, 0 to 9 percent slopes

Map Unit Setting

National map unit symbol: 1w5d
Elevation: 1,100 to 5,400 feet
Mean annual precipitation: 6 to 14 inches
Mean annual air temperature: 60 to 64 degrees F
Frost-free period: 180 to 240 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Reagan and similar soils: 70 percent
Upton and similar soils: 25 percent
Minor components: 5 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Reagan

Setting

Landform: Fan remnants, alluvial fans
Landform position (three-dimensional): Rise
Down-slope shape: Convex, linear
Across-slope shape: Linear
Parent material: Alluvium and/or eolian deposits

Typical profile

H1 - 0 to 8 inches: loam
H2 - 8 to 60 inches: loam

Properties and qualities

Slope: 0 to 3 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: 40 percent
Maximum salinity: Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Moderate (about 8.2 inches)

Interpretive groups

Land capability classification (irrigated): 2e
Land capability classification (nonirrigated): 6e

Hydrologic Soil Group: B
Ecological site: R070DY153NM - Loamy
Hydric soil rating: No

Description of Upton

Setting

Landform: Ridges, fans
Landform position (three-dimensional): Side slope, rise
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Residuum weathered from limestone

Typical profile

H1 - 0 to 9 inches: gravelly loam
H2 - 9 to 13 inches: gravelly loam
H3 - 13 to 21 inches: cemented
H4 - 21 to 60 inches: very gravelly loam

Properties and qualities

Slope: 0 to 9 percent
Depth to restrictive feature: 7 to 20 inches to petrocalcic
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Low to moderately high (0.01 to 0.60 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 75 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Very low (about 1.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: D
Ecological site: R070DY159NM - Shallow Loamy
Hydric soil rating: No

Minor Components

Atoka

Percent of map unit: 3 percent
Ecological site: R042XC007NM - Loamy
Hydric soil rating: No

Pima

Percent of map unit: 2 percent
Ecological site: R042XC017NM - Bottomland

Hydric soil rating: No

Data Source Information

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

National Flood Hazard Layer FIRMette

FEMA

104°25'55"W 32°41'12"N

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

1:6,000

104°25'17"W 32°40'42"N

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 10/26/2021 at 12:23 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
48-Hour Notification

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	NRM2025560181
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Spur Energy Partners	OGRID 328947
Contact Name Kenny Kidd	Contact Telephone 575-616-5400
Contact email kkidd@spurepllc.com	Incident # *(assigned by OCD)*
Contact mailing address 2407 Pecos Drive Artesia, NM 88210	

Location of Release Source

Latitude 32.682299 Longitude -104.426263
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Rose #002H	Site Type Production Facility
Date Release Discovered 09/08/2020	API# *(if applicable)* 30-015-45113

Unit Letter	Section	Township	Range	County
D	07	19S	26E	Eddy

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) 30bbls	Volume Recovered (bbls) 27bbls
	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

The check valve developed a pin hole on the Rose CTB Water Line. The leak is located SE of the battery approximately 300 yds. in the pasture area the estimated area of impact is 12'X7"

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	NRM2025560181
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? The spill was larger than a 5bbl release

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

Immediate notice was provided by Kenny Kidd with Spur Energy via email correspondence to BLM, NMOCD MIke Bratcher, and Robert Hamlet. 09/08/2020

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: Rebecca Pons Title: Project Manager

Signature: _____ Date: 9/11/2020

email: rpons@talonlpe.com Telephone: 575-441-0980

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	NRM2025560181
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?	70 (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.

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Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NRM2025560181
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: Braidy Moulder Title: HSE Coordinator

Signature: Braidy Moulder Date: 3/20/2022

email: bmoulder@spurepllc.com Telephone: 713-264-2517

OCD Only

Received by: _____ Date: _____

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Page 6

State of New Mexico
Oil Conservation Division

Incident ID	NRM2025560181
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: Braidy Moulder Title: HSE Coordinator

Signature: Braidy Moulder Date: 3/20/2022

email: bmoulder@spurepllc.com Telephone: 713-264-2517

OCD Only

Received by: _____ Date: _____

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: Jennifer Nobui Date: 04/27/2022

Printed Name: Jennifer Nobui Title: Environmental Specialist A

From: Tom Bynum
To: "ocdonline@state.nm.us"
Cc: "Gio PimaOil"; "sebastian@pimaoil.com"
Subject: 48-Hour Notification -- Rose 2H NRM2025560181
Date: Monday, November 29, 2021 9:28:00 AM

Good morning,
Pima Environmental would like to notify you that we will be collecting confirmation samples at the Rose #002H for incident NRM2025560181. Pima personnel is scheduled to be on site for this sampling event at approximately 8:00 a.m. on Wednesday, December 1st, 2021. If you have any questions or concerns, please let me know. Thank you.

THANK YOU,

Tom Bynum
Environmental Project Manager
Cell – 580-748-1613
Office – 575-964-7740

Pima Environmental Services, LLC.

Pima Environmental Services

Appendix D

Photographic Documentation

SITE PHOTOGRAPHS
SPUR ENERGY PARTNERS

ROSE #2 H

Site Assessment

Post Treatment


+32.682470,-104.426368
ROSE #2H SPUR


+32.682470,-104.426368
ROSE #2H SPUR


+32.682470,-104.426368
ROSE #2H SPUR

Pima Environmental Services

Appendix E

Laboratory Reports

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

September 22, 2021

CHRIS JONES

PIMA ENVIROMENTAL

1601 N TURNER STE. 500

HOBBS, NM 88240

RE: ROSE 2H

Enclosed are the results of analyses for samples received by the laboratory on 09/20/21 13:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
CHRIS JONES
1601 N TURNER STE. 500
HOBBS NM, 88240
Fax To:

Received:	09/20/2021	Sampling Date:	09/17/2021
Reported:	09/22/2021	Sampling Type:	Soil
Project Name:	ROSE 2H	Sampling Condition:	Cool & Intact
Project Number:	6-45	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: S1 6" (H212604-01)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	09/21/2021	ND	400	100	400	3.92	

Sample ID: S1 1' (H212604-02)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	09/21/2021	ND	400	100	400	3.92	

Sample ID: S2 6" (H212604-03)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**14900**	16.0	09/21/2021	ND	400	100	400	3.92	

Sample ID: S2 1' (H212604-04)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**8000**	16.0	09/21/2021	ND	400	100	400	3.92	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
CHRIS JONES
1601 N TURNER STE. 500
HOBBS NM, 88240
Fax To:

Received:	09/20/2021	Sampling Date:	09/17/2021
Reported:	09/22/2021	Sampling Type:	Soil
Project Name:	ROSE 2H	Sampling Condition:	Cool & Intact
Project Number:	6-45	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: S2 3' (H212604-05)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	09/21/2021	ND	400	100	400	3.92	

Sample ID: S3 6'' (H212604-06)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**6960**	16.0	09/21/2021	ND	400	100	400	3.92	

Sample ID: S3 1' (H212604-07)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**2360**	16.0	09/21/2021	ND	400	100	400	3.92	

Sample ID: S3 2' (H212604-08)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	09/21/2021	ND	400	100	400	3.92	

Sample ID: S4 6'' (H212604-09)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**3000**	16.0	09/21/2021	ND	400	100	400	3.92	QM-07

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
CHRIS JONES
1601 N TURNER STE. 500
HOBBS NM, 88240
Fax To:

Received:	09/20/2021	Sampling Date:	09/17/2021
Reported:	09/22/2021	Sampling Type:	Soil
Project Name:	ROSE 2H	Sampling Condition:	Cool & Intact
Project Number:	6-45	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: S4 1' (H212604-10)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	09/21/2021	ND	400	100	400	3.92	

Sample ID: S5 6" (H212604-11)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1800**	16.0	09/21/2021	ND	400	100	400	3.92	

Sample ID: S5 1' (H212604-12)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**656**	16.0	09/21/2021	ND	400	100	400	3.92	

Sample ID: SW-1 6" (H212604-13)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	09/21/2021	ND	400	100	400	3.92	

Sample ID: SW-2 6" (H212604-14)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/21/2021	ND	400	100	400	3.92	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
CHRIS JONES
1601 N TURNER STE. 500
HOBBS NM, 88240
Fax To:

Received:	09/20/2021	Sampling Date:	09/17/2021
Reported:	09/22/2021	Sampling Type:	Soil
Project Name:	ROSE 2H	Sampling Condition:	Cool & Intact
Project Number:	6-45	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SW-3 6" (H212604-15)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/21/2021	ND	400	100	400	3.92	

Sample ID: SW-4 6" (H212604-16)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/21/2021	ND	400	100	400	3.92	

Sample ID: SW-5 6" (H212604-17)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/21/2021	ND	400	100	400	3.92	

Sample ID: SW-6 6" (H212604-18)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/21/2021	ND	400	100	400	3.92	

Sample ID: SW-7 6" (H212604-19)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/21/2021	ND	400	100	400	3.92	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
CHRIS JONES
1601 N TURNER STE. 500
HOBBS NM, 88240
Fax To:

Received:	09/20/2021	Sampling Date:	09/17/2021
Reported:	09/22/2021	Sampling Type:	Soil
Project Name:	ROSE 2H	Sampling Condition:	Cool & Intact
Project Number:	6-45	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: SW-8 6" (H212604-20)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/21/2021	ND	400	100	400	3.92	

Sample ID: SW-9 6" (H212604-21)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/21/2021	ND	400	100	400	3.92	

Sample ID: BG-1 6" (H212604-22)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/21/2021	ND	400	100	400	3.92	

Sample ID: BG-2 6" (H212604-23)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/21/2021	ND	400	100	400	3.92	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: Pima Environmental Services	**BILL TO**
Project Manager: Chris Jones	P.O. #:
Address: 1601 N Turner St., Suite 500	Company: ~~Spur~~ Spur Energy
City: Hobbs State: NM Zip: 88240	Attn:
Phone #: 575-964-7740 Fax #:	Address:
Project #: 6-45 Project Owner: Spur Energy	City:
Project Name: Rose 2H	State: Zip:
Project Location: Eddy County, NM	Phone #:
Sampler Name: Tristan Jones	Fax #:

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: Chlorides
H2126004															
1	S1 6"	G				X					X		9/17/21	0730	X
2	S1 1'													0735	
3	S2 6"													0740	
4	S2 1'													0745	
5	S2 3'													0750	
6	S3 6"													0755	
7	S3 1'													0800	
8	S3 2'													0805	
9	S4 6"													0810	
10	S4 1'													0815	

Relinquished By:	Date: 9/20/21 Time: 13:00	Received By: Jodi Henson	Phone Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: Time:	Received By:	Fax Result: ☐ Yes ☐ No Add'l Fax #:
			REMARKS: TAT - Standard
Delivered By: (Circle One) Sampler - UPS - Bus - Other: D.92 / #113	Sample Condition Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	CHECKED BY: (Initials)	Bill to Spur

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: Pima Environmental Services	**BILL TO**
Project Manager: Chris Jones	P.O. #:
Address: 1601 N Turner St., Suite 500	Company: Spur Energy
City: Hobbs State: NM Zip: 88240	Attn:
Phone #: 575-964-7740 Fax #:	Address:
Project #: 6-45 Project Owner: Spur Energy	City:
Project Name: Rose 2H	State: Zip:
Project Location: Eddy County, NM	Phone #:
Sampler Name: Tristen Jones	Fax #:

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: Chlorides
H212604															
11	SS 6"	G				X					X		9/7/21	0820	X
12	SS 1'													0825	
13	SW-1 6"													0830	
14	SW-2													0835	
15	SW-3													0840	
16	SW-4													0845	
17	SW-5													0850	
18	SW-6													0855	
19	SW-7													0900	
20	SW-8													0905	

Relinquished By:	Date: 9/20/21 Time: 13:00	Received By: Jodi Henson	Phone Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: Time:	Received By:	Fax Result: ☐ Yes ☐ No Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other: 0.9c/#113	Sample Condition: Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No	CHECKED BY: (Initials)	REMARKS:

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: Pima Environmental Services		BILL TO	
Project Manager: Chris Jones		P.O. #:	
Address: 1601 N Turner St., Suite 500		Company: Spur Energy	
City: Hobbs	State: NM Zip: 88240	Attn:	
Phone #: 575-964-7740	Fax #:	Address:	
Project #: 6-45	Project Owner: Spur Energy	City:	
Project Name: Rose 2H		State: Zip:	
Project Location: Eddy County, NM		Phone #:	
Sampler Name: Tristen Jones		Fax #:	

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: Chlorides
H212604															
21	SW-9 6"	G	1			X					X		9/17/21	0910	X
22	BG-1	1	1			1					1		1	0915	1
23	BG-2	1	1			1					1		1	0920	1

Relinquished By:	Date: 9/20/21 Time: 13:00	Received By: Jodi Henson	Phone Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: Time:	Received By:	Fax Result: ☐ Yes ☐ No Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other: 0.9°C / #113	Sample Condition Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No	CHECKED BY: (Initials)	REMARKS:

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

December 03, 2021

TOM BYNUM

PIMA ENVIROMENTAL

1601 N TURNER STE. 500

HOBBS, NM 88240

RE: ROSE 002H

Enclosed are the results of analyses for samples received by the laboratory on 12/01/21 12:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
TOM BYNUM
1601 N TURNER STE. 500
HOBBS NM, 88240
Fax To:

Received:	12/01/2021	Sampling Date:	12/01/2021
Reported:	12/03/2021	Sampling Type:	Soil
Project Name:	ROSE 002H	Sampling Condition:	Cool & Intact
Project Number:	6-45	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY COUNTY, NM		

Sample ID: CS - 1 (H213438-01)

BTEX 8021B mg/kg Analyzed By: MS/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/02/2021	ND	2.06	103	2.00	0.552	
Toluene*	<0.050	0.050	12/02/2021	ND	2.07	103	2.00	0.124	
Ethylbenzene*	<0.050	0.050	12/02/2021	ND	2.02	101	2.00	0.338	
Total Xylenes*	<0.150	0.150	12/02/2021	ND	6.17	103	6.00	0.326	
Total BTEX	<0.300	0.300	12/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *93.9 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	12/02/2021	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/02/2021	ND	225	112	200	3.90	
DRO >C10-C28*	<10.0	10.0	12/02/2021	ND	217	109	200	1.51	
EXT DRO >C28-C36	<10.0	10.0	12/02/2021	ND					

Surrogate: 1-Chlorooctane *88.9 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *84.5 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
TOM BYNUM
1601 N TURNER STE. 500
HOBBS NM, 88240
Fax To:

Received:	12/01/2021	Sampling Date:	12/01/2021
Reported:	12/03/2021	Sampling Type:	Soil
Project Name:	ROSE 002H	Sampling Condition:	Cool & Intact
Project Number:	6-45	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY COUNTY, NM		

Sample ID: CS - 2 (H213438-02)

BTEX 8021B mg/kg Analyzed By: MS/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/02/2021	ND	2.06	103	2.00	0.552	
Toluene*	<0.050	0.050	12/02/2021	ND	2.07	103	2.00	0.124	
Ethylbenzene*	<0.050	0.050	12/02/2021	ND	2.02	101	2.00	0.338	
Total Xylenes*	<0.150	0.150	12/02/2021	ND	6.17	103	6.00	0.326	
Total BTEX	<0.300	0.300	12/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.3 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/02/2021	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/02/2021	ND	225	112	200	3.90	
DRO >C10-C28*	<10.0	10.0	12/02/2021	ND	217	109	200	1.51	
EXT DRO >C28-C36	<10.0	10.0	12/02/2021	ND					

Surrogate: 1-Chlorooctane *90.3 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *83.9 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
TOM BYNUM
1601 N TURNER STE. 500
HOBBS NM, 88240
Fax To:

Received:	12/01/2021	Sampling Date:	12/01/2021
Reported:	12/03/2021	Sampling Type:	Soil
Project Name:	ROSE 002H	Sampling Condition:	Cool & Intact
Project Number:	6-45	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY COUNTY, NM		

Sample ID: CS - 3 (H213438-03)

BTEX 8021B mg/kg Analyzed By: MS/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/02/2021	ND	2.06	103	2.00	0.552	
Toluene*	<0.050	0.050	12/02/2021	ND	2.07	103	2.00	0.124	
Ethylbenzene*	<0.050	0.050	12/02/2021	ND	2.02	101	2.00	0.338	
Total Xylenes*	<0.150	0.150	12/02/2021	ND	6.17	103	6.00	0.326	
Total BTEX	<0.300	0.300	12/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.5 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/02/2021	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/02/2021	ND	211	105	200	18.0	
DRO >C10-C28*	<10.0	10.0	12/02/2021	ND	198	99.2	200	16.8	
EXT DRO >C28-C36	<10.0	10.0	12/02/2021	ND					

Surrogate: 1-Chlorooctane *73.0 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *69.0 %* *38.9-142*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
TOM BYNUM
1601 N TURNER STE. 500
HOBBS NM, 88240
Fax To:

Received:	12/01/2021	Sampling Date:	12/01/2021
Reported:	12/03/2021	Sampling Type:	Soil
Project Name:	ROSE 002H	Sampling Condition:	Cool & Intact
Project Number:	6-45	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY COUNTY, NM		

Sample ID: CS - 4 (H213438-04)

BTEX 8021B mg/kg Analyzed By: MS/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/02/2021	ND	2.06	103	2.00	0.552	
Toluene*	<0.050	0.050	12/02/2021	ND	2.07	103	2.00	0.124	
Ethylbenzene*	<0.050	0.050	12/02/2021	ND	2.02	101	2.00	0.338	
Total Xylenes*	<0.150	0.150	12/02/2021	ND	6.17	103	6.00	0.326	
Total BTEX	<0.300	0.300	12/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.3 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	12/02/2021	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/02/2021	ND	211	105	200	18.0	
DRO >C10-C28*	<10.0	10.0	12/02/2021	ND	198	99.2	200	16.8	
EXT DRO >C28-C36	<10.0	10.0	12/02/2021	ND					

Surrogate: 1-Chlorooctane *73.6 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *69.8 %* *38.9-142*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
TOM BYNUM
1601 N TURNER STE. 500
HOBBS NM, 88240
Fax To:

Received:	12/01/2021	Sampling Date:	12/01/2021
Reported:	12/03/2021	Sampling Type:	Soil
Project Name:	ROSE 002H	Sampling Condition:	Cool & Intact
Project Number:	6-45	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY COUNTY, NM		

Sample ID: CS - 5 (H213438-05)

BTEX 8021B mg/kg Analyzed By: MS/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/02/2021	ND	2.06	103	2.00	0.552	
Toluene*	<0.050	0.050	12/02/2021	ND	2.07	103	2.00	0.124	
Ethylbenzene*	<0.050	0.050	12/02/2021	ND	2.02	101	2.00	0.338	
Total Xylenes*	<0.150	0.150	12/02/2021	ND	6.17	103	6.00	0.326	
Total BTEX	<0.300	0.300	12/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.9 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	12/02/2021	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/02/2021	ND	211	105	200	18.0	
DRO >C10-C28*	<10.0	10.0	12/02/2021	ND	198	99.2	200	16.8	
EXT DRO >C28-C36	<10.0	10.0	12/02/2021	ND					

Surrogate: 1-Chlorooctane *69.9 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *65.7 %* *38.9-142*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
TOM BYNUM
1601 N TURNER STE. 500
HOBBS NM, 88240
Fax To:

Received:	12/01/2021	Sampling Date:	12/01/2021
Reported:	12/03/2021	Sampling Type:	Soil
Project Name:	ROSE 002H	Sampling Condition:	Cool & Intact
Project Number:	6-45	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY COUNTY, NM		

Sample ID: CS - 6 (H213438-06)

BTEX 8021B mg/kg Analyzed By: MS/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/02/2021	ND	2.06	103	2.00	0.552	
Toluene*	<0.050	0.050	12/02/2021	ND	2.07	103	2.00	0.124	
Ethylbenzene*	<0.050	0.050	12/02/2021	ND	2.02	101	2.00	0.338	
Total Xylenes*	<0.150	0.150	12/02/2021	ND	6.17	103	6.00	0.326	
Total BTEX	<0.300	0.300	12/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.2 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/02/2021	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/02/2021	ND	211	105	200	18.0	
DRO >C10-C28*	<10.0	10.0	12/02/2021	ND	198	99.2	200	16.8	
EXT DRO >C28-C36	<10.0	10.0	12/02/2021	ND					

Surrogate: 1-Chlorooctane *79.5 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *75.6 %* *38.9-142*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
TOM BYNUM
1601 N TURNER STE. 500
HOBBS NM, 88240
Fax To:

Received:	12/01/2021	Sampling Date:	12/01/2021
Reported:	12/03/2021	Sampling Type:	Soil
Project Name:	ROSE 002H	Sampling Condition:	Cool & Intact
Project Number:	6-45	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY COUNTY, NM		

Sample ID: CS - 7 (H213438-07)

BTEX 8021B mg/kg Analyzed By: MS/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/02/2021	ND	2.06	103	2.00	0.552	
Toluene*	<0.050	0.050	12/02/2021	ND	2.07	103	2.00	0.124	
Ethylbenzene*	<0.050	0.050	12/02/2021	ND	2.02	101	2.00	0.338	
Total Xylenes*	<0.150	0.150	12/02/2021	ND	6.17	103	6.00	0.326	
Total BTEX	<0.300	0.300	12/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.4 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/02/2021	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/02/2021	ND	211	105	200	18.0	
DRO >C10-C28*	<10.0	10.0	12/02/2021	ND	198	99.2	200	16.8	
EXT DRO >C28-C36	<10.0	10.0	12/02/2021	ND					

Surrogate: 1-Chlorooctane *77.4 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *73.6 %* *38.9-142*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
TOM BYNUM
1601 N TURNER STE. 500
HOBBS NM, 88240
Fax To:

Received:	12/01/2021	Sampling Date:	12/01/2021
Reported:	12/03/2021	Sampling Type:	Soil
Project Name:	ROSE 002H	Sampling Condition:	Cool & Intact
Project Number:	6-45	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY COUNTY, NM		

Sample ID: CS - 8 (H213438-08)

BTEX 8021B mg/kg Analyzed By: MS/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/02/2021	ND	2.06	103	2.00	0.552	
Toluene*	<0.050	0.050	12/02/2021	ND	2.07	103	2.00	0.124	
Ethylbenzene*	<0.050	0.050	12/02/2021	ND	2.02	101	2.00	0.338	
Total Xylenes*	<0.150	0.150	12/02/2021	ND	6.17	103	6.00	0.326	
Total BTEX	<0.300	0.300	12/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.2 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/02/2021	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/02/2021	ND	211	105	200	18.0	
DRO >C10-C28*	<10.0	10.0	12/02/2021	ND	198	99.2	200	16.8	
EXT DRO >C28-C36	<10.0	10.0	12/02/2021	ND					

Surrogate: 1-Chlorooctane *76.4 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *72.2 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
TOM BYNUM
1601 N TURNER STE. 500
HOBBS NM, 88240
Fax To:

Received:	12/01/2021	Sampling Date:	12/01/2021
Reported:	12/03/2021	Sampling Type:	Soil
Project Name:	ROSE 002H	Sampling Condition:	Cool & Intact
Project Number:	6-45	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY COUNTY, NM		

Sample ID: CS - 9 (H213438-09)

BTEX 8021B mg/kg Analyzed By: MS/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/02/2021	ND	2.06	103	2.00	0.552	
Toluene*	<0.050	0.050	12/02/2021	ND	2.07	103	2.00	0.124	
Ethylbenzene*	<0.050	0.050	12/02/2021	ND	2.02	101	2.00	0.338	
Total Xylenes*	<0.150	0.150	12/02/2021	ND	6.17	103	6.00	0.326	
Total BTEX	<0.300	0.300	12/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.2 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/02/2021	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/02/2021	ND	211	105	200	18.0	
DRO >C10-C28*	<10.0	10.0	12/02/2021	ND	198	99.2	200	16.8	
EXT DRO >C28-C36	<10.0	10.0	12/02/2021	ND					

Surrogate: 1-Chlorooctane *76.3 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *71.7 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
TOM BYNUM
1601 N TURNER STE. 500
HOBBS NM, 88240
Fax To:

Received:	12/01/2021	Sampling Date:	12/01/2021
Reported:	12/03/2021	Sampling Type:	Soil
Project Name:	ROSE 002H	Sampling Condition:	Cool & Intact
Project Number:	6-45	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY COUNTY, NM		

Sample ID: CS - 10 (H213438-10)

BTEX 8021B mg/kg Analyzed By: MS/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/02/2021	ND	2.06	103	2.00	0.552	
Toluene*	<0.050	0.050	12/02/2021	ND	2.07	103	2.00	0.124	
Ethylbenzene*	<0.050	0.050	12/02/2021	ND	2.02	101	2.00	0.338	
Total Xylenes*	<0.150	0.150	12/02/2021	ND	6.17	103	6.00	0.326	
Total BTEX	<0.300	0.300	12/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.1 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/02/2021	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/02/2021	ND	211	105	200	18.0	
DRO >C10-C28*	<10.0	10.0	12/02/2021	ND	198	99.2	200	16.8	
EXT DRO >C28-C36	<10.0	10.0	12/02/2021	ND					

Surrogate: 1-Chlorooctane *75.6 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *70.5 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
TOM BYNUM
1601 N TURNER STE. 500
HOBBS NM, 88240
Fax To:

Received:	12/01/2021	Sampling Date:	12/01/2021
Reported:	12/03/2021	Sampling Type:	Soil
Project Name:	ROSE 002H	Sampling Condition:	Cool & Intact
Project Number:	6-45	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY COUNTY, NM		

Sample ID: CS - 11 (H213438-11)

BTEX 8021B mg/kg Analyzed By: MS/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/02/2021	ND	2.06	103	2.00	0.552	
Toluene*	<0.050	0.050	12/02/2021	ND	2.07	103	2.00	0.124	
Ethylbenzene*	<0.050	0.050	12/02/2021	ND	2.02	101	2.00	0.338	
Total Xylenes*	<0.150	0.150	12/02/2021	ND	6.17	103	6.00	0.326	
Total BTEX	<0.300	0.300	12/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.6 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/02/2021	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/02/2021	ND	211	105	200	18.0	
DRO >C10-C28*	<10.0	10.0	12/02/2021	ND	198	99.2	200	16.8	
EXT DRO >C28-C36	<10.0	10.0	12/02/2021	ND					

Surrogate: 1-Chlorooctane *76.6 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *70.8 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
TOM BYNUM
1601 N TURNER STE. 500
HOBBS NM, 88240
Fax To:

Received:	12/01/2021	Sampling Date:	12/01/2021
Reported:	12/03/2021	Sampling Type:	Soil
Project Name:	ROSE 002H	Sampling Condition:	Cool & Intact
Project Number:	6-45	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY COUNTY, NM		

Sample ID: CS - 12 (H213438-12)

BTEX 8021B mg/kg Analyzed By: MS/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/02/2021	ND	2.06	103	2.00	0.552	
Toluene*	<0.050	0.050	12/02/2021	ND	2.07	103	2.00	0.124	
Ethylbenzene*	<0.050	0.050	12/02/2021	ND	2.02	101	2.00	0.338	
Total Xylenes*	<0.150	0.150	12/02/2021	ND	6.17	103	6.00	0.326	
Total BTEX	<0.300	0.300	12/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *98.7 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/02/2021	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/02/2021	ND	211	105	200	18.0	
DRO >C10-C28*	<10.0	10.0	12/02/2021	ND	198	99.2	200	16.8	
EXT DRO >C28-C36	<10.0	10.0	12/02/2021	ND					

Surrogate: 1-Chlorooctane *74.5 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *69.7 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
TOM BYNUM
1601 N TURNER STE. 500
HOBBS NM, 88240
Fax To:

Received:	12/01/2021	Sampling Date:	12/01/2021
Reported:	12/03/2021	Sampling Type:	Soil
Project Name:	ROSE 002H	Sampling Condition:	Cool & Intact
Project Number:	6-45	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY COUNTY, NM		

Sample ID: SW - 1 (H213438-13)

BTEX 8021B mg/kg Analyzed By: MS/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/02/2021	ND	2.06	103	2.00	0.552	
Toluene*	<0.050	0.050	12/02/2021	ND	2.07	103	2.00	0.124	
Ethylbenzene*	<0.050	0.050	12/02/2021	ND	2.02	101	2.00	0.338	
Total Xylenes*	<0.150	0.150	12/02/2021	ND	6.17	103	6.00	0.326	
Total BTEX	<0.300	0.300	12/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.4 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/02/2021	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/02/2021	ND	211	105	200	18.0	
DRO >C10-C28*	<10.0	10.0	12/02/2021	ND	198	99.2	200	16.8	
EXT DRO >C28-C36	<10.0	10.0	12/02/2021	ND					

Surrogate: 1-Chlorooctane *79.3 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *73.2 %* *38.9-142*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
TOM BYNUM
1601 N TURNER STE. 500
HOBBS NM, 88240
Fax To:

Received:	12/01/2021	Sampling Date:	12/01/2021
Reported:	12/03/2021	Sampling Type:	Soil
Project Name:	ROSE 002H	Sampling Condition:	Cool & Intact
Project Number:	6-45	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY COUNTY, NM		

Sample ID: SW - 2 (H213438-14)

BTEX 8021B mg/kg Analyzed By: MS/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/02/2021	ND	2.06	103	2.00	0.552	
Toluene*	<0.050	0.050	12/02/2021	ND	2.07	103	2.00	0.124	
Ethylbenzene*	<0.050	0.050	12/02/2021	ND	2.02	101	2.00	0.338	
Total Xylenes*	<0.150	0.150	12/02/2021	ND	6.17	103	6.00	0.326	
Total BTEX	<0.300	0.300	12/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *95.8 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/02/2021	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/02/2021	ND	211	105	200	18.0	
DRO >C10-C28*	<10.0	10.0	12/02/2021	ND	198	99.2	200	16.8	
EXT DRO >C28-C36	<10.0	10.0	12/02/2021	ND					

Surrogate: 1-Chlorooctane *75.9 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *70.5 %* *38.9-142*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
TOM BYNUM
1601 N TURNER STE. 500
HOBBS NM, 88240
Fax To:

Received:	12/01/2021	Sampling Date:	12/01/2021
Reported:	12/03/2021	Sampling Type:	Soil
Project Name:	ROSE 002H	Sampling Condition:	Cool & Intact
Project Number:	6-45	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY COUNTY, NM		

Sample ID: SW - 3 (H213438-15)

BTEX 8021B mg/kg Analyzed By: MS/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/02/2021	ND	2.06	103	2.00	0.552	
Toluene*	<0.050	0.050	12/02/2021	ND	2.07	103	2.00	0.124	
Ethylbenzene*	<0.050	0.050	12/02/2021	ND	2.02	101	2.00	0.338	
Total Xylenes*	<0.150	0.150	12/02/2021	ND	6.17	103	6.00	0.326	
Total BTEX	<0.300	0.300	12/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.6 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/02/2021	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/02/2021	ND	211	105	200	18.0	
DRO >C10-C28*	<10.0	10.0	12/02/2021	ND	198	99.2	200	16.8	
EXT DRO >C28-C36	<10.0	10.0	12/02/2021	ND					

Surrogate: 1-Chlorooctane *78.1 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *73.7 %* *38.9-142*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
TOM BYNUM
1601 N TURNER STE. 500
HOBBS NM, 88240
Fax To:

Received:	12/01/2021	Sampling Date:	12/01/2021
Reported:	12/03/2021	Sampling Type:	Soil
Project Name:	ROSE 002H	Sampling Condition:	Cool & Intact
Project Number:	6-45	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY COUNTY, NM		

Sample ID: SW - 4 (H213438-16)

BTEX 8021B mg/kg Analyzed By: MS/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/02/2021	ND	2.06	103	2.00	0.552	
Toluene*	<0.050	0.050	12/02/2021	ND	2.07	103	2.00	0.124	
Ethylbenzene*	<0.050	0.050	12/02/2021	ND	2.02	101	2.00	0.338	
Total Xylenes*	<0.150	0.150	12/02/2021	ND	6.17	103	6.00	0.326	
Total BTEX	<0.300	0.300	12/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.9 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/02/2021	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/02/2021	ND	211	105	200	18.0	
DRO >C10-C28*	<10.0	10.0	12/02/2021	ND	198	99.2	200	16.8	
EXT DRO >C28-C36	<10.0	10.0	12/02/2021	ND					

Surrogate: 1-Chlorooctane *76.5 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *72.0 %* *38.9-142*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
TOM BYNUM
1601 N TURNER STE. 500
HOBBS NM, 88240
Fax To:

Received:	12/01/2021	Sampling Date:	12/01/2021
Reported:	12/03/2021	Sampling Type:	Soil
Project Name:	ROSE 002H	Sampling Condition:	Cool & Intact
Project Number:	6-45	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY COUNTY, NM		

Sample ID: SW - 5 (H213438-17)

BTEX 8021B mg/kg Analyzed By: MS/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/02/2021	ND	2.06	103	2.00	0.552	
Toluene*	<0.050	0.050	12/02/2021	ND	2.07	103	2.00	0.124	
Ethylbenzene*	<0.050	0.050	12/02/2021	ND	2.02	101	2.00	0.338	
Total Xylenes*	<0.150	0.150	12/02/2021	ND	6.17	103	6.00	0.326	
Total BTEX	<0.300	0.300	12/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.3 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/02/2021	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/02/2021	ND	211	105	200	18.0	
DRO >C10-C28*	<10.0	10.0	12/02/2021	ND	198	99.2	200	16.8	
EXT DRO >C28-C36	<10.0	10.0	12/02/2021	ND					

Surrogate: 1-Chlorooctane *77.2 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *73.2 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
TOM BYNUM
1601 N TURNER STE. 500
HOBBS NM, 88240
Fax To:

Received:	12/01/2021	Sampling Date:	12/01/2021
Reported:	12/03/2021	Sampling Type:	Soil
Project Name:	ROSE 002H	Sampling Condition:	Cool & Intact
Project Number:	6-45	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY COUNTY, NM		

Sample ID: SW - 6 (H213438-18)

BTEX 8021B mg/kg Analyzed By: MS/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/02/2021	ND	2.06	103	2.00	0.552	
Toluene*	<0.050	0.050	12/02/2021	ND	2.07	103	2.00	0.124	
Ethylbenzene*	<0.050	0.050	12/02/2021	ND	2.02	101	2.00	0.338	
Total Xylenes*	<0.150	0.150	12/02/2021	ND	6.17	103	6.00	0.326	
Total BTEX	<0.300	0.300	12/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *94.1 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/02/2021	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/02/2021	ND	211	105	200	18.0	
DRO >C10-C28*	<10.0	10.0	12/02/2021	ND	198	99.2	200	16.8	
EXT DRO >C28-C36	<10.0	10.0	12/02/2021	ND					

Surrogate: 1-Chlorooctane *74.0 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *69.3 %* *38.9-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
TOM BYNUM
1601 N TURNER STE. 500
HOBBS NM, 88240
Fax To:

Received:	12/01/2021	Sampling Date:	12/01/2021
Reported:	12/03/2021	Sampling Type:	Soil
Project Name:	ROSE 002H	Sampling Condition:	Cool & Intact
Project Number:	6-45	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - EDDY COUNTY, NM		

Sample ID: SW - 7 (H213438-19)

BTEX 8021B mg/kg Analyzed By: MS/

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/02/2021	ND	2.06	103	2.00	0.552	
Toluene*	<0.050	0.050	12/02/2021	ND	2.07	103	2.00	0.124	
Ethylbenzene*	<0.050	0.050	12/02/2021	ND	2.02	101	2.00	0.338	
Total Xylenes*	<0.150	0.150	12/02/2021	ND	6.17	103	6.00	0.326	
Total BTEX	<0.300	0.300	12/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.2 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/02/2021	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/02/2021	ND	211	105	200	18.0	
DRO >C10-C28*	<10.0	10.0	12/02/2021	ND	198	99.2	200	16.8	
EXT DRO >C28-C36	<10.0	10.0	12/02/2021	ND					

Surrogate: 1-Chlorooctane *72.3 %* *44.3-133*

Surrogate: 1-Chlorooctadecane *67.1 %* *38.9-142*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: Pima Environmental Services	**BILL TO**
Project Manager: Tom Bynum	P.O. #:
Address: 1601 N Turner St., Suite 500	Company: Spur
City: Hobbs State: NM Zip: 88240	Attn:
Phone #: 575-964-7740 Fax #:	Address:
Project #: 6-45 Project Owner: Spur	City:
Project Name: Rose 002 H	State: Zip:
Project Location: Artesia	Phone #:
Sampler Name: Angel O. Pena	Fax #:

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	ANALYSIS REQUEST: Chlorides	TPH	BTEX
H213438																	
1	CS-1	G				✓					✓		12-1	08:00			
2	CS-2													08:05			
3	CS-3													8:10			
4	CS-4													8:15			
5	CS-5													8:20			
6	CS-6													8:25			
7	CS-7													8:30			
8	CS-8													8:35			
9	CS-9													8:40			
10	CS-10													8:45			

Relinquished By: Angel O. Pena	Date: 12-1 Time: 1235	Received By: Tamara Oldaker	Phone Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: Time:	Received By:	Fax Result: ☐ Yes ☐ No Add'l Fax #:
Delivered By: (Circle One) 0.8°C-0.5°C 0.3°C #113	Sample Condition: Cool ☑ Yes ☐ No Intact ☑ Yes ☐ No	CHECKED BY: (Initials) TO	REMARKS: Bill to Spur
Sampler - UPS - Bus - Other:			

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name:	Pima Environmental Services	**BILL TO**	
Project Manager:	Tom Bynum	P.O. #:	
Address:	1601 N Turner St., Suite 500	Company:	Spur
City:	Hobbs	State: NM Zip: 88240	Attn:
Phone #:	575-964-7740	Fax #:	Address:
Project #:	6-45	Project Owner: Spur	City:
Project Name:	Rose 002H		State: Zip:
Project Location:	Artesia		Phone #:
Sampler Name:	Angel O. Pena		Fax #:

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: Chlorides	TPH	BTEX
H213438																	
11	CS-11	G	1			S							12-1	8:50	S	S	S
12	CS-12													8:55			
13	SW-1													9:00			
14	SW-2													9:05			
15	SW-3													9:10			
16	SW-4													9:15			
17	SW-5													9:20			
18	SW-6													9:25			
19	SW-7													9:30			

Relinquished By:	Date: 12-1	Received By:	Phone Result: ☐ Yes ☐ No	Add'l Phone #:
Angel O. Pena	Time: 1235	Tamara Oldaker	Fax Result: ☐ Yes ☐ No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS: Bill to Spur	
	Time:			
Delivered By: (Circle One)	0.8° C-0.5°	Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No	CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other:	0.3° #113		T.B.	

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 94760

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 94760
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	4/27/2022