

| | |
|----------------|----------------|
| Incident ID | nAPP2121530174 |
| 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 OCD 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: Dale Woodall Title: Env. Professional

Signature: Dale Woodall Date: 11/9/2022

email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: Jocelyn Harimon Date: 11/09/2022

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

Closure Approved by: Robert Hamlet Date: 1/26/2023

Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

| | |
|----------------|----------------|
| Incident ID | nAPP2121530174 |
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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? | 22 (ft bgs) |
| Did this release impact groundwater or surface water? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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)? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a wetland? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying a subsurface mine? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within a 100-year floodplain? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Did the release impact areas not on an exploration, development, production, or storage site? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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.

Oil Conservation Division

| | |
|----------------|----------------|
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Printed Name: Dale Woodall Title: Env. Professional

Signature: Dale Woodall Date: 11/9/2022

email: dale.woodall@dv.com Telephone: 575-748-1838

OCD Only

Received by: Jocelyn Harimon Date: 11/09/2022

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| Incident ID | nAPP2121530174 |
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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.

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OCD Only

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Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____



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

September 1, 2022

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

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

Re: Site Assessment, Remediation, and Closure Report
Rigel 20 Fed Com 1H
API No. 30-015-39393
GPS: Latitude 32.652235 Longitude -103.899075
UL D, Sec. 20, T19S, R31E
Eddy County, NM
NMOCD Ref. No. NAPP2121530174

Pima Environmental Services, LLC. (Pima) has been contracted by Devon Energy Production, LLC. (Devon) to perform a spill assessment, remediation, and submit this closure report for a Crude oil release that occurred at the Rigel 20 Fed Com 1H (Rigel). The initial C-141 was submitted on August 3, 2021 (Appendix C). This incident was assigned Incident ID NAPP2121530174 by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The Rigel is located approximately twelve (12) miles South of Loco Hills, NM. This spill site is in Unit D, Section 20, Township 19S, Range 31E, Latitude 32.652235 Longitude -103.899075, Eddy County, NM. Figure 1 references a Location Map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology of sands and piedmont-slope deposits along the eastern flank of the Pecos River valley, primarily between Roswell and Carlsbad. Typically capped by thin eolian deposits. The soil in this area is made up of Berino loamy fine sands, 0 to 3 percent slopes according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage courses in this area are well drained. There is a medium potential for karst geology to be present around the Rigel (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 180 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is 22 feet BGS. The closest waterway is the Hackberry Lake located approximately 2.23 miles to the Southwest 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

NAPP2121530174: On July 7, 2021, a site glass broke on a 3-phase separator causing fluid release. The released fluids were calculated to be approximately 9 barrels (bbls) of crude oil and rainwater. No fluids were recovered.

Site Assessment and Soil Sampling Results

On June 17, 2022, Pima mobilized personnel to the site to assess the area. We sampled the impacted area. Laboratory results of this sampling event can be found in the following data table. A Site Map can be found in Figure 4.

6-21-22 Soil Sample Results

| NMOCDC Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50) | | | | | | | | |
|---|-------------|--------------------------------|---------------|-----------|-----------|-----------|-----------------|----------|
| DEVON ENERGY - RIGEL 20 FED COM 1H | | | | | | | | |
| Sample Date: 6-17-22 | | 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 |
| BG-1 | 0-6" | ND | ND | ND | ND | ND | 0 | ND |
| BG-2 | 0-6" | ND | ND | ND | ND | ND | 0 | ND |
| NSW | 0-6" | ND | ND | ND | ND | ND | 0 | ND |
| SSW | 0-6" | ND | ND | ND | ND | ND | 0 | ND |
| ESW | 0-6" | ND | ND | ND | 64 | ND | 64 | 65.9 |
| WSW | 0-6" | ND | ND | ND | 33.5 | ND | 33.5 | 73.9 |
| S-1 | 2' | ND | ND | ND | ND | ND | 0 | 1520 |
| | 4' | ND | ND | ND | ND | ND | 0 | 684 |
| | 5' | ND | ND | ND | ND | ND | 0 | ND |
| S-2 | 2' | ND | ND | ND | 1550 | 725 | 2275 | 1140 |
| | 4' | ND | ND | ND | ND | ND | 0 | 975 |
| | 5' | ND | ND | ND | ND | ND | 0 | ND |

ND- Analyte Not Detected

Remediation Activities

On August 23, 2022, Devon Construction Department mobilized personnel and equipment to conduct remedial activities. They excavated the area to a depth of 5' BGS. Pima personnel collected samples to verify all contaminated soil had been removed. The contaminated soil was hauled to an approved, lined disposal facility and clean backfill material was brought in.

On August 28, 2022, after sending a 48-hour notification (Appendix C), Pima collected confirmation samples of the excavated areas. Laboratory results of this sampling event can be found in the following data table. A Confirmation Sample Map can be found in Figure 5.

8-28-22 Confirmation Soil Sample Results

| NMOCDC Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50) | | | | | | | | |
|---|-------------|--------------------------------|---------------|-----------|-----------|-----------|-----------------|----------|
| DEVON ENERGY - RIGEL 20 FED COM 1H | | | | | | | | |
| Sample Date: 8-28-22 | | 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 | 5' | ND | ND | ND | ND | ND | 0 | ND |
| CS-2 | 5' | ND | ND | ND | ND | ND | 0 | ND |
| CS-3 | 5' | ND | ND | ND | ND | ND | 0 | ND |
| CS-4 | 5' | ND | ND | ND | ND | ND | 0 | ND |
| CSW-1 | 5' | ND | ND | ND | ND | ND | 0 | ND |
| CSW-2 | 5' | ND | ND | ND | ND | ND | 0 | ND |
| CSW-3 | 5' | ND | ND | ND | ND | ND | 0 | ND |
| CSW-4 | 5' | ND | ND | ND | ND | ND | 0 | ND |
| CSW-5 | 5' | ND | ND | ND | ND | ND | 0 | ND |
| CSW-6 | 5' | ND | ND | ND | ND | ND | 0 | ND |
| CSW-7 | 5' | ND | ND | ND | ND | ND | 0 | ND |
| CSW-8 | 5' | 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, an NMOCD approved disposal site. The excavation was then backfilled with clean like material, machine compacted and contoured to match the surrounding terrain. See Appendix D for Photographic Documentation.

Closure Request

After careful review, Pima requests that this incident, NAPP2121530174 be closed. Devon 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
Project Manager
Pima Environmental Services, LLC

Attachments

Figures:

- 1- Location Map
- 2- Topographic Map
- 3- Karst Map
- 4- Site Map
- 5- Confirmation Sample Map

Appendices:

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



Pima Environmental Services

Figures:

1-Location Map

2-Topographic Map

3-Karst Map


4-Site Map

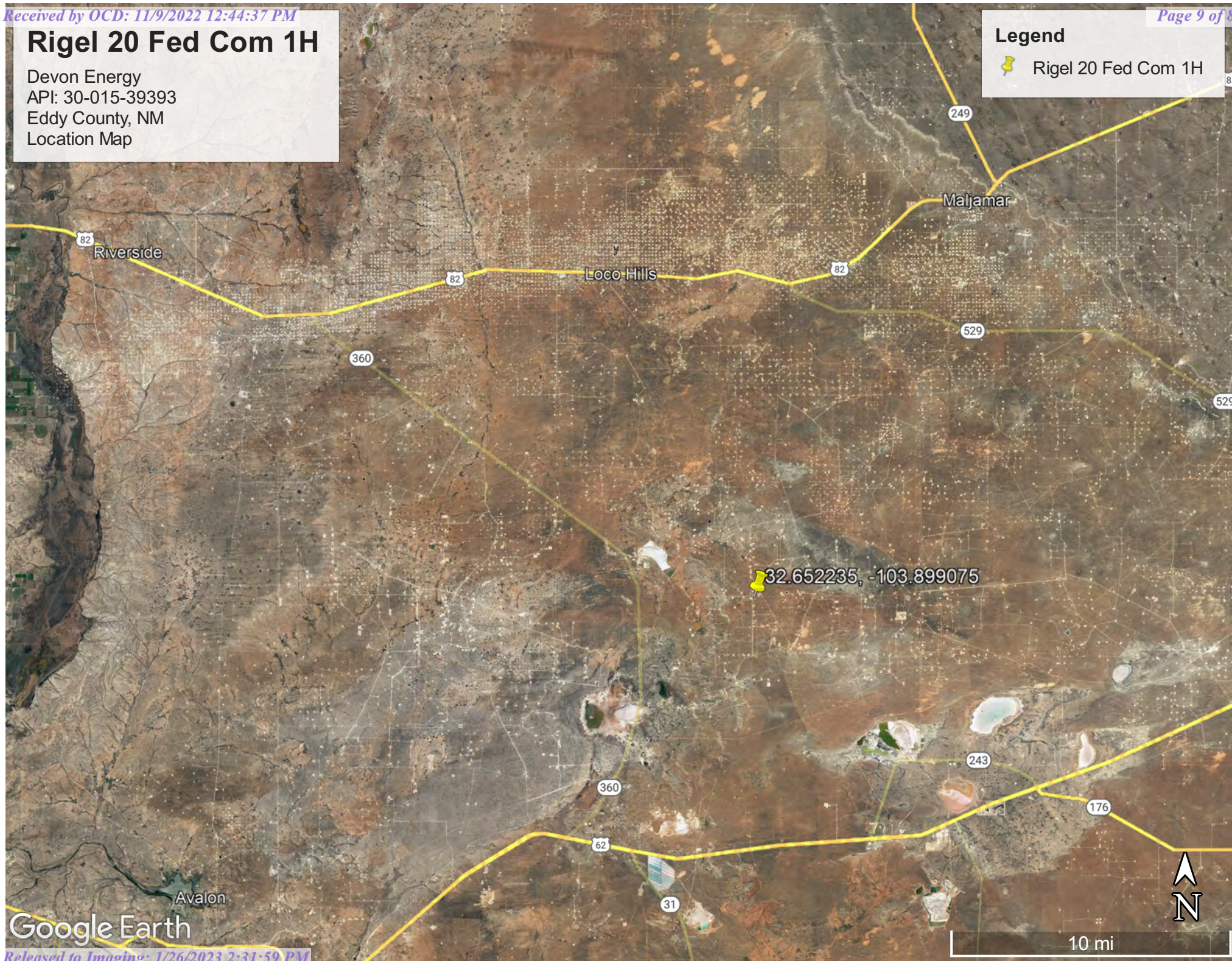
5-Confirmation Sample Map

Rigel 20 Fed Com 1H

Devon Energy
API: 30-015-39393
Eddy County, NM
Location Map

Legend

 Rigel 20 Fed Com 1H




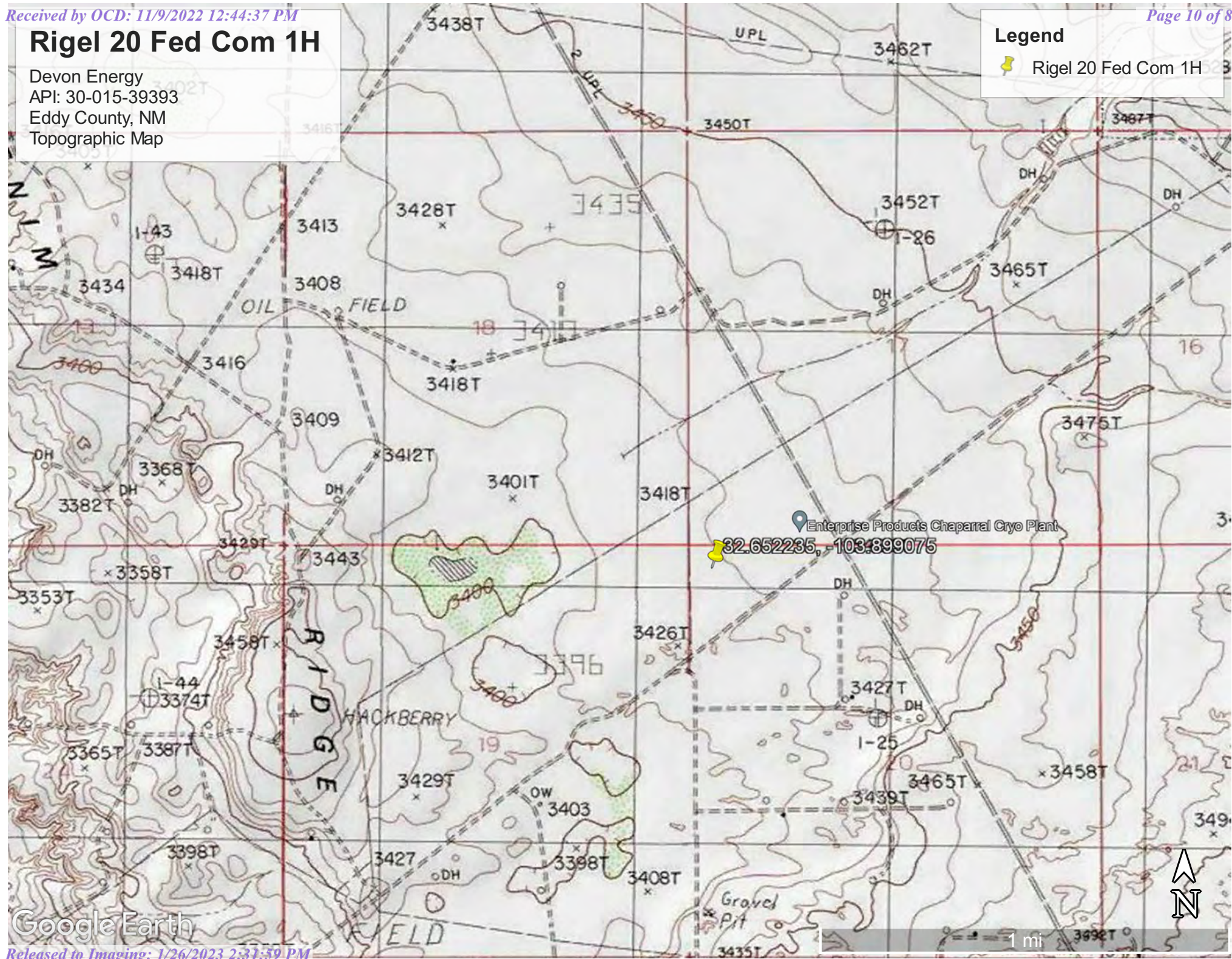
Google Earth

Rigel 20 Fed Com 1H

Devon Energy
API: 30-015-39393
Eddy County, NM
Topographic Map

Legend

 Rigel 20 Fed Com 1H



Google Earth

Rigel 20 Fed Com 1H

Devon Energy
API: 30-015-39393
Eddy County, NM
Karst Map

- Legend**
- High Karst
 - Low Karst
 - Medium Karst

32.652235, -103.899075

Google Earth



3000 ft

Rigel 20 Fed Com 1H

Devon Energy
AP# 30-015-39393
Eddy County, NM
Site Sample Map

Legend





- Backgrounds/Sidewalls
- Samples
- rigel 20 fed com 1H
- Spill Area-605 Sqft



Rigel 20 Fed Com 1H

Devon Energy
API# 30-015-39393
Eddy County, NM
Confirmation Sample Map

Legend

-  Composite Bottoms
-  Composite Sidewalls
-  rigel 20 fed com 1H
-  Spill Area-605 Sqft



rigel 20 fed com 1H



Pima Environmental Services

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 | DepthWell | DepthWater | Water Column |
|-------------------------------|------|---------------|--------|------|------|-----|-----|-----|-----|--------|----------|----------|-----------|------------|--------------|
| CP 00873 POD1 | | CP | LE | 1 | 1 | 19 | 19S | 31E | | 601772 | 3613147* | 1482 | 340 | 180 | 160 |
| CP 00357 POD1 | | CP | ED | 4 | 4 | 1 | 24 | 19S | 30E | 600667 | 3612631* | 2659 | 630 | | |
| CP 00829 POD1 | | CP | LE | 2 | 4 | 16 | 19S | 31E | | 606165 | 3614009* | 3008 | 120 | | |
| CP 00357 POD2 | | CP | ED | 4 | 3 | 1 | 24 | 19S | 30E | 600265 | 3612627* | 3052 | 630 | | |
| CP 00725 POD1 | | CP | ED | 1 | 3 | 3 | 28 | 19S | 31E | 604906 | 3610473* | 3250 | 231 | | |
| CP 00722 POD2 | | CP | ED | 2 | 1 | 1 | 25 | 19S | 30E | 600276 | 3611620* | 3399 | 350 | 65 | 285 |
| CP 00722 POD1 | | CP | LE | 4 | 3 | 3 | 28 | 19S | 31E | 605106 | 3610273* | 3525 | 200 | | |
| CP 00722 POD1 | R | CP | LE | 4 | 3 | 3 | 28 | 19S | 31E | 605106 | 3610273* | 3525 | 200 | | |
| CP 00723 POD1 | | CP | ED | 2 | 1 | 1 | 33 | 19S | 31E | 605111 | 3610071* | 3700 | 139 | | |
| CP 01554 POD2 | | CP | LE | 2 | 2 | 1 | 22 | 19S | 31E | 607165 | 3613322 | 3916 | 400 | | |
| CP 01554 POD1 | | CP | LE | 2 | 2 | 1 | 22 | 19S | 31E | 607166 | 3613354 | 3917 | 400 | | |
| CP 00722 POD3 | | CP | LE | 2 | 4 | 1 | 33 | 19S | 31E | 605519 | 3609673* | 4252 | 220 | 140 | 80 |

Average Depth to Water: **128 feet**

Minimum Depth: **65 feet**

Maximum Depth: **180 feet**

Record Count: 12

UTMNAD83 Radius Search (in meters):

Easting (X): 603248.94

Northing (Y): 3613269.39

Radius: 5000

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

6/22/22 2:21 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER



[USGS Home](#)
[Contact USGS](#)
[Search USGS](#)

National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

Click to hide News 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 =

- 323810103554201

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 323810103554201 19S.30E.25.12133

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°38'10", Longitude 103°55'42" NAD27

Land-surface elevation 3,248 feet above NAVD88

The depth of the well is 42 feet below land surface.

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Rustler Formation (312RSLR) local aquifer.

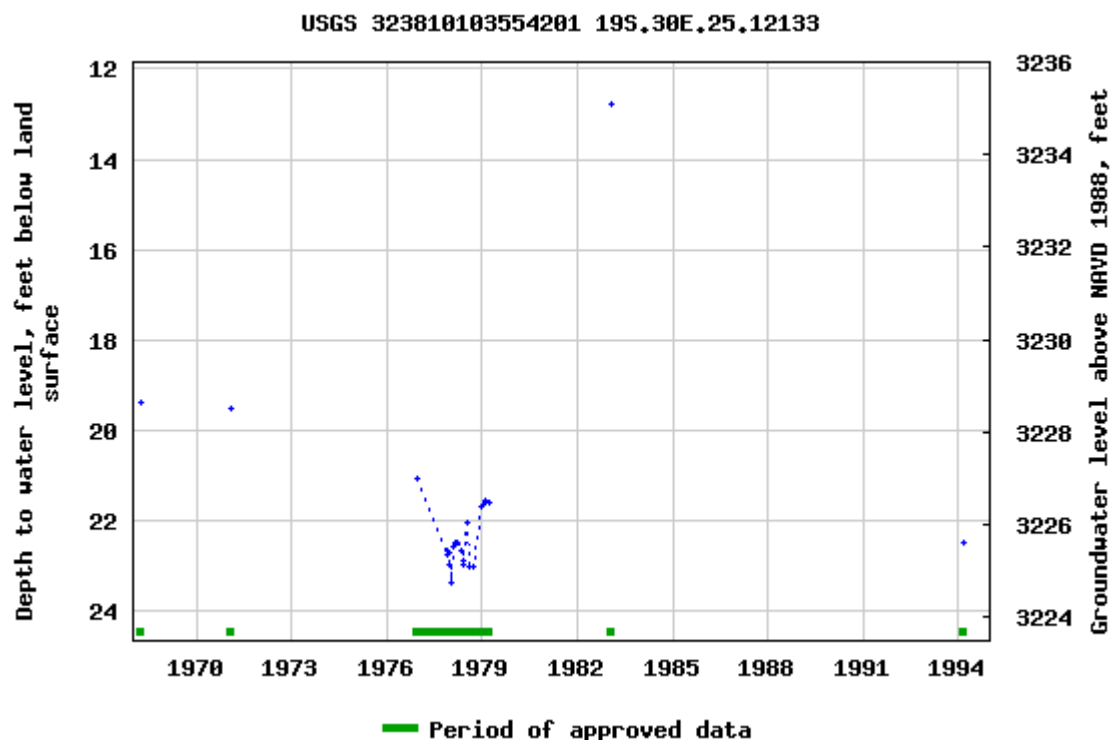
Output formats

[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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Title: Groundwater for USA: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>

Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2022-06-23 13:19:56 EDT



0.55 0.48 nadww02

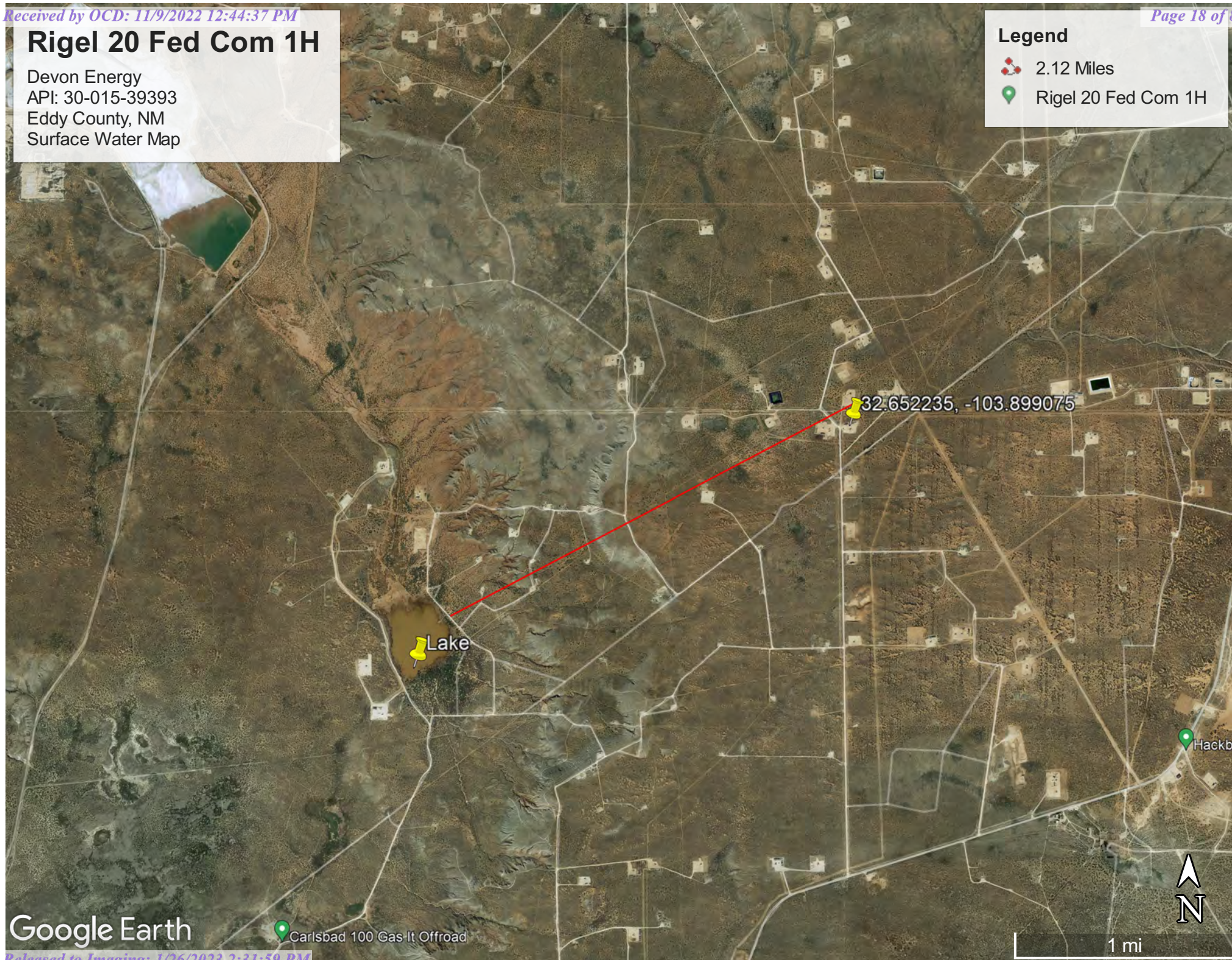


Rigel 20 Fed Com 1H

Devon Energy
API: 30-015-39393
Eddy County, NM
Surface Water Map

Legend

-  2.12 Miles
-  Rigel 20 Fed Com 1H



Google Earth

Carlsbad 100 Gas It Offroad



Pima Environmental Services

Appendix B

Soil Survey & Geological Data

FEMA Flood Map

Wetlands Map

Map Unit Description: Berino loamy fine sand, 0 to 3 percent slopes---Eddy Area, New Mexico

Eddy Area, New Mexico

BA—Berino loamy fine sand, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w42

Elevation: 2,000 to 5,700 feet

Mean annual precipitation: 6 to 14 inches

Mean annual air temperature: 57 to 70 degrees F

Frost-free period: 180 to 260 days

Farmland classification: Not prime farmland

Map Unit Composition

Berino and similar soils: 99 percent

Minor components: 1 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Berino

Setting

Landform: Plains, fan piedmonts

Landform position (three-dimensional): Riser

Down-slope shape: Convex

Across-slope shape: Linear

Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 12 inches: loamy fine sand

H2 - 12 to 58 inches: sandy clay loam

H3 - 58 to 60 inches: clay 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 slightly saline (2.0 to 4.0 mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: Moderate (about 8.4 inches)

Interpretive groups

Land capability classification (irrigated): 3e

Land capability classification (nonirrigated): 7e

Map Unit Description: Berino loamy fine sand, 0 to 3 percent slopes---Eddy Area, New Mexico

Hydrologic Soil Group: B
Ecological site: R042XC007NM - Loamy
Hydric soil rating: No

Minor Components

Pajarito

Percent of map unit: 1 percent
Ecological site: R042XC003NM - Loamy Sand
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



103°54'15"W 32°39'23"N



Legend

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

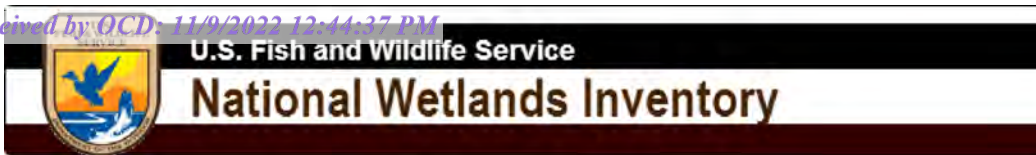
| | | |
|-----------------------------|--|---|
| SPECIAL FLOOD HAZARD AREAS | | Without Base Flood Elevation (BFE) Zone A, V, A99 |
| | | With BFE or Depth Zone AE, AO, AH, VE, AR |
| | | Regulatory Floodway |
| OTHER AREAS OF FLOOD HAZARD | | 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance 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 |
| GENERAL STRUCTURES | | Area of Undetermined Flood Hazard Zone D |
| | | Channel, Culvert, or Storm Sewer |
| OTHER FEATURES | | Levee, Dike, or Floodwall |
| | | 20.2 Cross Sections with 1% Annual Chance Water Surface Elevation |
| | | 17.5 Cross Sections with 1% Annual Chance Water Surface Elevation |
| | | Coastal Transect |
| | | Base Flood Elevation Line (BFE) |
| | | Limit of Study |
| | | Jurisdiction Boundary |
| | | Coastal Transect Baseline |
| | | Profile Baseline |
| | | Hydrographic Feature |
| MAP PANELS | | Digital Data Available |
| | | No Digital Data Available |
| | | Unmapped |

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 8/31/2022 at 12:50 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.








Wetlands Map




September 15, 2022

Wetlands

-  Estuarine and Marine Deepwater
-  Estuarine and Marine Wetland

-  Freshwater Emergent Wetland
-  Freshwater Forested/Shrub Wetland
-  Freshwater Pond

-  Lake
-  Other
-  Riverine

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



Pima Environmental Services

Appendix 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 | |
| District RP | |
| Facility ID | |
| Application ID | |

Release Notification

Responsible Party

| | |
|-------------------------|------------------------------|
| Responsible Party | OGRID |
| Contact Name | Contact Telephone |
| Contact email | Incident # (assigned by OCD) |
| Contact mailing address | |

Location of Release Source

Latitude _____ Longitude _____
(NAD 83 in decimal degrees to 5 decimal places)

| | |
|-------------------------|----------------------|
| Site Name | Site Type |
| Date Release Discovered | API# (if applicable) |

| | | | | |
|-------------|---------|----------|-------|--------|
| Unit Letter | Section | Township | Range | County |
| | | | | |

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)

| | | |
|---|--|--|
| <input type="checkbox"/> Crude Oil | Volume Released (bbls) | Volume Recovered (bbls) |
| <input type="checkbox"/> Produced Water | Volume Released (bbls) | Volume Recovered (bbls) |
| | Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| <input type="checkbox"/> Condensate | Volume Released (bbls) | Volume Recovered (bbls) |
| <input type="checkbox"/> Natural Gas | Volume Released (Mcf) | Volume Recovered (Mcf) |
| <input type="checkbox"/> Other (describe) | Volume/Weight Released (provide units) | Volume/Weight Recovered (provide units) |

Cause of Release

| | |
|----------------|--|
| Incident ID | |
| District RP | |
| Facility ID | |
| Application ID | |

| | |
|--|--|
| Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input type="checkbox"/> 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

| | |
|--|-----------------------|
| <input type="checkbox"/> The source of the release has been stopped. | |
| <input type="checkbox"/> The impacted area has been secured to protect human health and the environment. | |
| <input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. | |
| <input type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately. | |
| If all the actions described above have <u>not</u> 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: _____ | Title: _____ |
| Signature: <u>Kendra DeHoyos</u> | Date: _____ |
| email: _____ | Telephone: _____ |
| <u>OCD Only</u> | |
| Received by: <u>Ramona Marcus</u> | Date: <u>8/3/2021</u> |

| | |
|----------------|----------------|
| Incident ID | nAPP2121530174 |
| 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? | 22 (ft bgs) |
| Did this release impact groundwater or surface water? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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)? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a wetland? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying a subsurface mine? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within a 100-year floodplain? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Did the release impact areas not on an exploration, development, production, or storage site? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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.

| | |
|----------------|----------------|
| Incident ID | nAPP2121530174 |
| 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: Dale Woodall Title: Env. Professional

Signature: Dale Woodall Date: 11/9/2022

email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: _____ Date: _____

| | |
|----------------|----------------|
| Incident ID | nAPP2121530174 |
| 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: Dale Woodall Title: Env. Professional

Signature: Dale Woodall Date: 11/9/2022

email: dale.woodall@dvn.com Telephone: 575-748-1838

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: _____ Date: _____

Printed Name: _____ Title: _____



Gio PimaOil <gio@pimaoil.com>

48-Hour Notification - NAPP2121530174

1 message

Tom Bynum <tom@pimaoil.com>
Reply-To: tom@pimaoil.com
To: ocd.enviro@state.nm.us, OCDOOnline@state.nm.us
Cc: Gio PimaOil <gio@pimaoil.com>, sebastian@pimaoil.com

Fri, Aug 26, 2022 at 7:07 AM

Good morning,

Pima Environmental would like to notify you that we will be collecting confirmation samples at the Rigel 20 Fed Com 1H for incident ID **NAPP2121530174**. Pima personnel are scheduled to be on site for this sampling event at approximately 7:30 a.m. on Sunday, August 28, 2022. If you have any questions or concerns, please let me know. Thank you.

THANK YOU,

Tom Bynum

Project Manager

Cell – 580-748-1613

Office – 575-964-7740



Pima Environmental Services, LLC.



Pima Environmental Services

Appendix D

Photographic Documentation



**SITE PHOTOGRAPHS
DEVON ENERGY**

RIGEL 20 FED COM 1H

Pre-Remediation



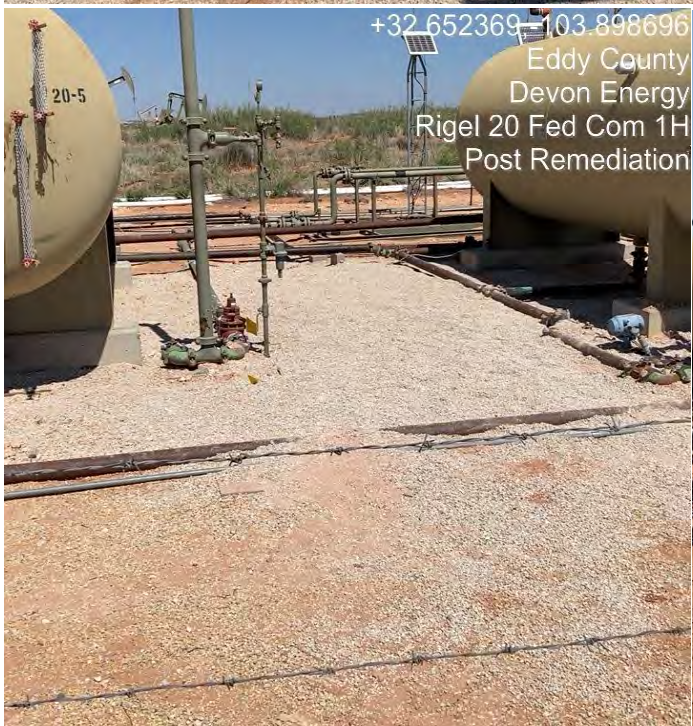


Remediation





Post Remediation





Pima Environmental Services

Appendix E

Laboratory Reports

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Rigel 20 Fed Com 1H

Work Order: E206159

Job Number: 01058-0007

Received: 6/22/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/29/22

5796 U.S. Hwy 64
Farmington, NM 87401

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



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: 6/29/22

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Rigel 20 Fed Com 1H
Workorder: E206159
Date Received: 6/22/2022 10:15:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/22/2022 10:15:00AM, under the Project Name: Rigel 20 Fed Com 1H.

The analytical test results summarized in this report with the Project Name: Rigel 20 Fed Com 1H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

| | | | |
|--------------------------------------|------------------|---------------------|----------------|
| Pima Environmental Services-Carlsbad | Project Name: | Rigel 20 Fed Com 1H | Reported: |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | 06/29/22 10:16 |

| Client Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container |
|------------------|---------------|--------|----------|----------|------------------|
| BG-1 | E206159-01A | Soil | 06/17/22 | 06/22/22 | Glass Jar, 4 oz. |
| BG-2 | E206159-02A | Soil | 06/17/22 | 06/22/22 | Glass Jar, 4 oz. |
| NSW | E206159-03A | Soil | 06/17/22 | 06/22/22 | Glass Jar, 4 oz. |
| SSW | E206159-04A | Soil | 06/17/22 | 06/22/22 | Glass Jar, 4 oz. |
| ESW | E206159-05A | Soil | 06/17/22 | 06/22/22 | Glass Jar, 4 oz. |
| WSW | E206159-06A | Soil | 06/17/22 | 06/22/22 | Glass Jar, 4 oz. |
| S-1 2' | E206159-07A | Soil | 06/17/22 | 06/22/22 | Glass Jar, 4 oz. |
| S-1 4' | E206159-08A | Soil | 06/17/22 | 06/22/22 | Glass Jar, 4 oz. |
| S-1 5' | E206159-09A | Soil | 06/17/22 | 06/22/22 | Glass Jar, 4 oz. |
| S-2 2' | E206159-10A | Soil | 06/17/22 | 06/22/22 | Glass Jar, 4 oz. |
| S-2 4' | E206159-11A | Soil | 06/17/22 | 06/22/22 | Glass Jar, 4 oz. |
| S-2 5' | E206159-12A | Soil | 06/17/22 | 06/22/22 | Glass Jar, 4 oz. |



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Rigel 20 Fed Com 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/29/2022 10:16:41AM

BG-1

E206159-01

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|--------------|----------|----------------|-------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | Analyst: IY | | Batch: 2226070 | |
| Benzene | ND | 0.0250 | 1 | 06/23/22 | 06/27/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 06/23/22 | 06/27/22 | |
| Toluene | ND | 0.0250 | 1 | 06/23/22 | 06/27/22 | |
| o-Xylene | ND | 0.0250 | 1 | 06/23/22 | 06/27/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 06/23/22 | 06/27/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 06/23/22 | 06/27/22 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 83.1 % | 70-130 | | 06/23/22 | 06/27/22 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | Analyst: IY | | Batch: 2226070 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 06/23/22 | 06/27/22 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 82.8 % | 70-130 | | 06/23/22 | 06/27/22 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | Analyst: KM | | Batch: 2226097 | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 06/24/22 | 06/25/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 06/24/22 | 06/25/22 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 107 % | 50-200 | | 06/24/22 | 06/25/22 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | Analyst: RAS | | Batch: 2227001 | |
| Chloride | ND | 20.0 | 1 | 06/27/22 | 06/27/22 | |



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Rigel 20 Fed Com 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/29/2022 10:16:41AM

BG-2

E206159-02

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | Analyst: IY | | Batch: 2226070 |
| Benzene | ND | 0.0250 | 1 | 06/23/22 | 06/27/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 06/23/22 | 06/27/22 | |
| Toluene | ND | 0.0250 | 1 | 06/23/22 | 06/27/22 | |
| o-Xylene | ND | 0.0250 | 1 | 06/23/22 | 06/27/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 06/23/22 | 06/27/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 06/23/22 | 06/27/22 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 82.1 % | 70-130 | | 06/23/22 | 06/27/22 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: IY | | Batch: 2226070 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 06/23/22 | 06/27/22 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 83.6 % | 70-130 | | 06/23/22 | 06/27/22 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: KM | | Batch: 2226097 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 06/24/22 | 06/25/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 06/24/22 | 06/25/22 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 122 % | 50-200 | | 06/24/22 | 06/25/22 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: RAS | | Batch: 2227001 |
| Chloride | ND | 20.0 | 1 | 06/27/22 | 06/28/22 | |



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Rigel 20 Fed Com 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/29/2022 10:16:41AM

NSW

E206159-03

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | Analyst: IY | | Batch: 2226070 |
| Benzene | ND | 0.0250 | 1 | 06/23/22 | 06/27/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 06/23/22 | 06/27/22 | |
| Toluene | ND | 0.0250 | 1 | 06/23/22 | 06/27/22 | |
| o-Xylene | ND | 0.0250 | 1 | 06/23/22 | 06/27/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 06/23/22 | 06/27/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 06/23/22 | 06/27/22 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 82.7 % | 70-130 | | 06/23/22 | 06/27/22 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: IY | | Batch: 2226070 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 06/23/22 | 06/27/22 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 80.1 % | 70-130 | | 06/23/22 | 06/27/22 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: KM | | Batch: 2226097 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 06/24/22 | 06/25/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 06/24/22 | 06/25/22 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 101 % | 50-200 | | 06/24/22 | 06/25/22 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: RAS | | Batch: 2227001 |
| Chloride | ND | 20.0 | 1 | 06/27/22 | 06/28/22 | |



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Rigel 20 Fed Com 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/29/2022 10:16:41AM

SSW

E206159-04

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | Analyst: IY | | Batch: 2226070 |
| Benzene | ND | 0.0250 | 1 | 06/23/22 | 06/27/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 06/23/22 | 06/27/22 | |
| Toluene | ND | 0.0250 | 1 | 06/23/22 | 06/27/22 | |
| o-Xylene | ND | 0.0250 | 1 | 06/23/22 | 06/27/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 06/23/22 | 06/27/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 06/23/22 | 06/27/22 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | | 81.9 % | 70-130 | 06/23/22 | 06/27/22 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: IY | | Batch: 2226070 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 06/23/22 | 06/27/22 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | | 83.8 % | 70-130 | 06/23/22 | 06/27/22 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: KM | | Batch: 2226097 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 06/24/22 | 06/25/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 06/24/22 | 06/25/22 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | | 98.6 % | 50-200 | 06/24/22 | 06/25/22 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: RAS | | Batch: 2227001 |
| Chloride | ND | 20.0 | 1 | 06/27/22 | 06/28/22 | |



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Rigel 20 Fed Com 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/29/2022 10:16:41AM

ESW

E206159-05

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | Analyst: IY | | Batch: 2226070 |
| Benzene | ND | 0.0250 | 1 | 06/23/22 | 06/27/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 06/23/22 | 06/27/22 | |
| Toluene | ND | 0.0250 | 1 | 06/23/22 | 06/27/22 | |
| o-Xylene | ND | 0.0250 | 1 | 06/23/22 | 06/27/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 06/23/22 | 06/27/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 06/23/22 | 06/27/22 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 86.7 % | 70-130 | | 06/23/22 | 06/27/22 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: IY | | Batch: 2226070 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 06/23/22 | 06/27/22 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 84.7 % | 70-130 | | 06/23/22 | 06/27/22 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: KM | | Batch: 2226097 |
| Diesel Range Organics (C10-C28) | 64.0 | 25.0 | 1 | 06/24/22 | 06/25/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 06/24/22 | 06/25/22 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 103 % | 50-200 | | 06/24/22 | 06/25/22 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: RAS | | Batch: 2227001 |
| Chloride | 65.9 | 20.0 | 1 | 06/27/22 | 06/28/22 | |



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Rigel 20 Fed Com 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/29/2022 10:16:41AM

WSW

E206159-06

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|--------------|----------|----------------|-------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | Analyst: IY | | Batch: 2226070 | |
| Benzene | ND | 0.0250 | 1 | 06/23/22 | 06/27/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 06/23/22 | 06/27/22 | |
| Toluene | ND | 0.0250 | 1 | 06/23/22 | 06/27/22 | |
| o-Xylene | ND | 0.0250 | 1 | 06/23/22 | 06/27/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 06/23/22 | 06/27/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 06/23/22 | 06/27/22 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 85.8 % | 70-130 | | 06/23/22 | 06/27/22 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | Analyst: IY | | Batch: 2226070 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 06/23/22 | 06/27/22 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 84.5 % | 70-130 | | 06/23/22 | 06/27/22 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | Analyst: KM | | Batch: 2226097 | |
| Diesel Range Organics (C10-C28) | 33.5 | 25.0 | 1 | 06/24/22 | 06/25/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 06/24/22 | 06/25/22 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 106 % | 50-200 | | 06/24/22 | 06/25/22 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | Analyst: RAS | | Batch: 2227001 | |
| Chloride | 73.9 | 20.0 | 1 | 06/27/22 | 06/28/22 | |



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Rigel 20 Fed Com 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/29/2022 10:16:41AM

S-1 2'

E206159-07

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|--------------|----------|----------------|-------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | Analyst: IY | | Batch: 2226070 | |
| Benzene | ND | 0.0250 | 1 | 06/23/22 | 06/27/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 06/23/22 | 06/27/22 | |
| Toluene | ND | 0.0250 | 1 | 06/23/22 | 06/27/22 | |
| o-Xylene | ND | 0.0250 | 1 | 06/23/22 | 06/27/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 06/23/22 | 06/27/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 06/23/22 | 06/27/22 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 84.5 % | 70-130 | | 06/23/22 | 06/27/22 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | Analyst: IY | | Batch: 2226070 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 06/23/22 | 06/27/22 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 83.4 % | 70-130 | | 06/23/22 | 06/27/22 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | Analyst: KM | | Batch: 2226097 | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 06/24/22 | 06/25/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 06/24/22 | 06/25/22 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 107 % | 50-200 | | 06/24/22 | 06/25/22 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | Analyst: RAS | | Batch: 2227001 | |
| Chloride | 1520 | 20.0 | 1 | 06/27/22 | 06/28/22 | |



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Rigel 20 Fed Com 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/29/2022 10:16:41AM

S-1 4'

E206159-08

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|--------------|----------|----------------|-------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | Analyst: IY | | Batch: 2226070 | |
| Benzene | ND | 0.0250 | 1 | 06/23/22 | 06/27/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 06/23/22 | 06/27/22 | |
| Toluene | ND | 0.0250 | 1 | 06/23/22 | 06/27/22 | |
| o-Xylene | ND | 0.0250 | 1 | 06/23/22 | 06/27/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 06/23/22 | 06/27/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 06/23/22 | 06/27/22 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 85.0 % | 70-130 | | 06/23/22 | 06/27/22 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | Analyst: IY | | Batch: 2226070 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 06/23/22 | 06/27/22 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 85.1 % | 70-130 | | 06/23/22 | 06/27/22 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | Analyst: KM | | Batch: 2226097 | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 06/24/22 | 06/25/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 06/24/22 | 06/25/22 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 104 % | 50-200 | | 06/24/22 | 06/25/22 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | Analyst: RAS | | Batch: 2227001 | |
| Chloride | 684 | 20.0 | 1 | 06/27/22 | 06/28/22 | |



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Rigel 20 Fed Com 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/29/2022 10:16:41AM

S-1 5'

E206159-09

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | Analyst: IY | | Batch: 2226070 |
| Benzene | ND | 0.0250 | 1 | 06/23/22 | 06/27/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 06/23/22 | 06/27/22 | |
| Toluene | ND | 0.0250 | 1 | 06/23/22 | 06/27/22 | |
| o-Xylene | ND | 0.0250 | 1 | 06/23/22 | 06/27/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 06/23/22 | 06/27/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 06/23/22 | 06/27/22 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 84.3 % | 70-130 | | 06/23/22 | 06/27/22 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: IY | | Batch: 2226070 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 06/23/22 | 06/27/22 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 85.3 % | 70-130 | | 06/23/22 | 06/27/22 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: KM | | Batch: 2226097 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 06/24/22 | 06/25/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 06/24/22 | 06/25/22 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 126 % | 50-200 | | 06/24/22 | 06/25/22 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: RAS | | Batch: 2227001 |
| Chloride | ND | 20.0 | 1 | 06/27/22 | 06/28/22 | |



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Rigel 20 Fed Com 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/29/2022 10:16:41AM

S-2 2'

E206159-10

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|--------------|----------|----------------|-------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | Analyst: IY | | Batch: 2226070 | |
| Benzene | ND | 0.0250 | 1 | 06/23/22 | 06/27/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 06/23/22 | 06/27/22 | |
| Toluene | ND | 0.0250 | 1 | 06/23/22 | 06/27/22 | |
| o-Xylene | ND | 0.0250 | 1 | 06/23/22 | 06/27/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 06/23/22 | 06/27/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 06/23/22 | 06/27/22 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 85.0 % | 70-130 | | 06/23/22 | 06/27/22 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | Analyst: IY | | Batch: 2226070 | |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 06/23/22 | 06/27/22 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 84.7 % | 70-130 | | 06/23/22 | 06/27/22 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | Analyst: KM | | Batch: 2226097 | |
| Diesel Range Organics (C10-C28) | 1550 | 25.0 | 1 | 06/24/22 | 06/25/22 | |
| Oil Range Organics (C28-C36) | 725 | 50.0 | 1 | 06/24/22 | 06/25/22 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 60.4 % | 50-200 | | 06/24/22 | 06/25/22 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | Analyst: RAS | | Batch: 2227001 | |
| Chloride | 1140 | 20.0 | 1 | 06/27/22 | 06/28/22 | |



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Rigel 20 Fed Com 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/29/2022 10:16:41AM

S-2 4'

E206159-11

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | Analyst: IY | | Batch: 2226070 |
| Benzene | ND | 0.0250 | 1 | 06/23/22 | 06/27/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 06/23/22 | 06/27/22 | |
| Toluene | ND | 0.0250 | 1 | 06/23/22 | 06/27/22 | |
| o-Xylene | ND | 0.0250 | 1 | 06/23/22 | 06/27/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 06/23/22 | 06/27/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 06/23/22 | 06/27/22 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 84.3 % | 70-130 | | 06/23/22 | 06/27/22 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: IY | | Batch: 2226070 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 06/23/22 | 06/27/22 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 84.0 % | 70-130 | | 06/23/22 | 06/27/22 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: KM | | Batch: 2226097 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 06/24/22 | 06/25/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 06/24/22 | 06/25/22 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 104 % | 50-200 | | 06/24/22 | 06/25/22 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: RAS | | Batch: 2227001 |
| Chloride | 975 | 20.0 | 1 | 06/27/22 | 06/28/22 | |



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Rigel 20 Fed Com 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/29/2022 10:16:41AM

S-2 5'

E206159-12

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|--------------|----------|----------------|
| Volatile Organics by EPA 8021B | | | | | | |
| | mg/kg | mg/kg | | Analyst: IY | | Batch: 2226070 |
| Benzene | ND | 0.0250 | 1 | 06/23/22 | 06/27/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 06/23/22 | 06/27/22 | |
| Toluene | ND | 0.0250 | 1 | 06/23/22 | 06/27/22 | |
| o-Xylene | ND | 0.0250 | 1 | 06/23/22 | 06/27/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 06/23/22 | 06/27/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 06/23/22 | 06/27/22 | |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> | | | | | | |
| | 81.3 % | 70-130 | | 06/23/22 | 06/27/22 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: IY | | Batch: 2226070 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 06/23/22 | 06/27/22 | |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> | | | | | | |
| | 81.0 % | 70-130 | | 06/23/22 | 06/27/22 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: KM | | Batch: 2226097 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 06/24/22 | 06/25/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 06/24/22 | 06/25/22 | |
| <i>Surrogate: n-Nonane</i> | | | | | | |
| | 122 % | 50-200 | | 06/24/22 | 06/25/22 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: RAS | | Batch: 2227001 |
| Chloride | ND | 20.0 | 1 | 06/27/22 | 06/28/22 | |



QC Summary Data

| | | | |
|--------------------------------------|------------------|---------------------|----------------------|
| Pima Environmental Services-Carlsbad | Project Name: | Rigel 20 Fed Com 1H | Reported: |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | 6/29/2022 10:16:41AM |

Volatile Organics by EPA 8021B

Analyst: IY

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

Blank (2226070-BLK1)

Prepared: 06/23/22 Analyzed: 06/27/22

| | | | | | | | | | |
|-------------------------------------|------|--------|------|--|------|--------|--|--|--|
| Benzene | ND | 0.0250 | | | | | | | |
| Ethylbenzene | ND | 0.0250 | | | | | | | |
| Toluene | ND | 0.0250 | | | | | | | |
| o-Xylene | ND | 0.0250 | | | | | | | |
| p,m-Xylene | ND | 0.0500 | | | | | | | |
| Total Xylenes | ND | 0.0250 | | | | | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 6.94 | | 8.00 | | 86.8 | 70-130 | | | |

LCS (2226070-BS1)

Prepared: 06/23/22 Analyzed: 06/27/22

| | | | | | | | | | |
|-------------------------------------|------|--------|------|--|------|--------|--|--|--|
| Benzene | 5.54 | 0.0250 | 5.00 | | 111 | 70-130 | | | |
| Ethylbenzene | 5.49 | 0.0250 | 5.00 | | 110 | 70-130 | | | |
| Toluene | 5.89 | 0.0250 | 5.00 | | 118 | 70-130 | | | |
| o-Xylene | 5.38 | 0.0250 | 5.00 | | 108 | 70-130 | | | |
| p,m-Xylene | 11.1 | 0.0500 | 10.0 | | 111 | 70-130 | | | |
| Total Xylenes | 16.5 | 0.0250 | 15.0 | | 110 | 70-130 | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 6.82 | | 8.00 | | 85.3 | 70-130 | | | |

Matrix Spike (2226070-MS1)

Source: E206159-03

Prepared: 06/23/22 Analyzed: 06/27/22

| | | | | | | | | | |
|-------------------------------------|------|--------|------|----|------|--------|--|--|--|
| Benzene | 5.39 | 0.0250 | 5.00 | ND | 108 | 54-133 | | | |
| Ethylbenzene | 5.30 | 0.0250 | 5.00 | ND | 106 | 61-133 | | | |
| Toluene | 5.69 | 0.0250 | 5.00 | ND | 114 | 61-130 | | | |
| o-Xylene | 5.19 | 0.0250 | 5.00 | ND | 104 | 63-131 | | | |
| p,m-Xylene | 10.7 | 0.0500 | 10.0 | ND | 107 | 63-131 | | | |
| Total Xylenes | 15.9 | 0.0250 | 15.0 | ND | 106 | 63-131 | | | |
| Surrogate: 4-Bromochlorobenzene-PID | 6.73 | | 8.00 | | 84.2 | 70-130 | | | |

Matrix Spike Dup (2226070-MSD1)

Source: E206159-03

Prepared: 06/23/22 Analyzed: 06/27/22

| | | | | | | | | | |
|-------------------------------------|------|--------|------|----|------|--------|------|----|--|
| Benzene | 5.55 | 0.0250 | 5.00 | ND | 111 | 54-133 | 2.89 | 20 | |
| Ethylbenzene | 5.48 | 0.0250 | 5.00 | ND | 110 | 61-133 | 3.39 | 20 | |
| Toluene | 5.89 | 0.0250 | 5.00 | ND | 118 | 61-130 | 3.39 | 20 | |
| o-Xylene | 5.37 | 0.0250 | 5.00 | ND | 107 | 63-131 | 3.45 | 20 | |
| p,m-Xylene | 11.1 | 0.0500 | 10.0 | ND | 111 | 63-131 | 3.36 | 20 | |
| Total Xylenes | 16.5 | 0.0250 | 15.0 | ND | 110 | 63-131 | 3.39 | 20 | |
| Surrogate: 4-Bromochlorobenzene-PID | 6.66 | | 8.00 | | 83.3 | 70-130 | | | |



QC Summary Data

| | | | |
|--------------------------------------|------------------|---------------------|----------------------|
| Pima Environmental Services-Carlsbad | Project Name: | Rigel 20 Fed Com 1H | Reported: |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | 6/29/2022 10:16:41AM |

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

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

Blank (2226070-BLK1)

Prepared: 06/23/22 Analyzed: 06/27/22

| | | | | | | | | | |
|---|------|------|------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | | | | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 6.49 | | 8.00 | | 81.2 | 70-130 | | | |

LCS (2226070-BS2)

Prepared: 06/23/22 Analyzed: 06/27/22

| | | | | | | | | | |
|---|------|------|------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | 39.8 | 20.0 | 50.0 | | 79.6 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 6.56 | | 8.00 | | 82.0 | 70-130 | | | |

Matrix Spike (2226070-MS2)

Source: E206159-03

Prepared: 06/23/22 Analyzed: 06/27/22

| | | | | | | | | | |
|---|------|------|------|----|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | 40.4 | 20.0 | 50.0 | ND | 80.8 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 6.41 | | 8.00 | | 80.1 | 70-130 | | | |

Matrix Spike Dup (2226070-MSD2)

Source: E206159-03

Prepared: 06/23/22 Analyzed: 06/27/22

| | | | | | | | | | |
|---|------|------|------|----|------|--------|------|----|--|
| Gasoline Range Organics (C6-C10) | 43.3 | 20.0 | 50.0 | ND | 86.6 | 70-130 | 6.83 | 20 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 6.73 | | 8.00 | | 84.1 | 70-130 | | | |



QC Summary Data

| | | | |
|--------------------------------------|------------------|---------------------|----------------------|
| Pima Environmental Services-Carlsbad | Project Name: | Rigel 20 Fed Com 1H | Reported: |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | 6/29/2022 10:16:41AM |

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

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

Blank (2226097-BLK1)

Prepared: 06/24/22 Analyzed: 06/25/22

| | | | | | | | | | |
|---------------------------------|------|------|------|--|-----|--------|--|--|--|
| Diesel Range Organics (C10-C28) | ND | 25.0 | | | | | | | |
| Oil Range Organics (C28-C36) | ND | 50.0 | | | | | | | |
| Surrogate: n-Nonane | 52.6 | | 50.0 | | 105 | 50-200 | | | |

LCS (2226097-BS1)

Prepared: 06/24/22 Analyzed: 06/25/22

| | | | | | | | | | |
|---------------------------------|------|------|------|--|-----|--------|--|--|--|
| Diesel Range Organics (C10-C28) | 506 | 25.0 | 500 | | 101 | 38-132 | | | |
| Surrogate: n-Nonane | 51.1 | | 50.0 | | 102 | 50-200 | | | |

Matrix Spike (2226097-MS1)

Source: E206159-04

Prepared: 06/24/22 Analyzed: 06/25/22

| | | | | | | | | | |
|---------------------------------|------|------|------|----|------|--------|--|--|--|
| Diesel Range Organics (C10-C28) | 518 | 25.0 | 500 | ND | 104 | 38-132 | | | |
| Surrogate: n-Nonane | 48.8 | | 50.0 | | 97.6 | 50-200 | | | |

Matrix Spike Dup (2226097-MSD1)

Source: E206159-04

Prepared: 06/24/22 Analyzed: 06/25/22

| | | | | | | | | | |
|---------------------------------|------|------|------|----|-----|--------|------|----|--|
| Diesel Range Organics (C10-C28) | 533 | 25.0 | 500 | ND | 107 | 38-132 | 2.95 | 20 | |
| Surrogate: n-Nonane | 53.4 | | 50.0 | | 107 | 50-200 | | | |



QC Summary Data

| | | | |
|--------------------------------------|------------------|---------------------|----------------------|
| Pima Environmental Services-Carlsbad | Project Name: | Rigel 20 Fed Com 1H | Reported: |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | 6/29/2022 10:16:41AM |

Anions by EPA 300.0/9056A

Analyst: RAS

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

Blank (2227001-BLK1)

Prepared: 06/27/22 Analyzed: 06/27/22

| | | | | | | | | | |
|----------|----|------|--|--|--|--|--|--|--|
| Chloride | ND | 20.0 | | | | | | | |
|----------|----|------|--|--|--|--|--|--|--|

LCS (2227001-BS1)

Prepared: 06/27/22 Analyzed: 06/27/22

| | | | | | | | | | |
|----------|-----|------|-----|--|------|--------|--|--|--|
| Chloride | 236 | 20.0 | 250 | | 94.5 | 90-110 | | | |
|----------|-----|------|-----|--|------|--------|--|--|--|

Matrix Spike (2227001-MS1)

Source: E206159-01

Prepared: 06/27/22 Analyzed: 06/27/22

| | | | | | | | | | |
|----------|-----|------|-----|----|------|--------|--|--|--|
| Chloride | 241 | 20.0 | 250 | ND | 96.3 | 80-120 | | | |
|----------|-----|------|-----|----|------|--------|--|--|--|

Matrix Spike Dup (2227001-MSD1)

Source: E206159-01

Prepared: 06/27/22 Analyzed: 06/27/22

| | | | | | | | | | |
|----------|-----|------|-----|----|------|--------|-------|----|--|
| Chloride | 242 | 20.0 | 250 | ND | 96.8 | 80-120 | 0.468 | 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: | Rigel 20 Fed Com 1H | |
| PO Box 247 | Project Number: | 01058-0007 | Reported: |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | 06/29/22 10:16 |

- NDAnalyte NOT DETECTED at or above the reporting limit
- NRNot Reported
- RPDRelative Percent Difference
- DNIDid Not Ignite

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

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

Project Information

Chain of Custody

Page 1 of 2

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|--|--|--|--|--------------------------------|--|--|--|--|------------------------|--|--|--|--|------------------------------|--|--|--|--------------|----|----|----------|-------------|------|--|--|-------------|--|--|--|----------------|--|--|--|----------|--|--|--|----------|--|--|--|
| Client: Pima Environmental Services | | | | | Bill To | | | | | Lab Use Only | | | | | TAT | | | | EPA Program | | | | | | | | | | | | | | | | | | | | | | | |
| Project: <u>Rigel 20 Fed Com 1H</u> | | | | | Attention: <u>Devon Energy</u> | | | | | Lab WO# <u>E200159</u> | | | | | Job Number <u>01058-0007</u> | | | | 1D | 2D | 3D | Standard | CWA | SDWA | | | | | | | | | | | | | | | | | | |
| Project Manager: Tom Bynum | | | | | Address: | | | | | Analysis and Method | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | |
| Address: 5614 N. Lovington Hwy. | | | | | City, State, Zip | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| City, State, Zip Hobbs, NM, 88240 | | | | | Phone: | | | | | DRO/ORO by 8015 | | | | | GRO/DRO by 8015 | | | | BTEX by 8021 | | | | VOC by 8260 | | | | Metals 6010 | | | | Chloride 300.0 | | | | BGDOC NM | | | | BGDOC TX | | | |
| Phone: 580-748-1613 | | | | | Email: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Email: tom@pimaoil.com | | | | | Pima Project # <u>156</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Report due by: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Time Sampled | Date Sampled | Matrix | No. of Containers | Sample ID | Lab Number | DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC NM | BGDOC TX | Remarks |
|--------------|--------------|--------|-------------------|-----------|------------|-----------------|-----------------|--------------|-------------|-------------|----------------|----------|----------|---------|
| 9:00 | 6/17/22 | S | | BG-1 | 1 | | | | | | | X | | |
| 9:05 | | | | BG-2 | 2 | | | | | | | | | |
| 9:10 | | | | NSW | 3 | | | | | | | | | |
| 9:15 | | | | SSW | 4 | | | | | | | | | |
| 9:20 | | | | ESW | 5 | | | | | | | | | |
| 9:25 | | | | WSW | 6 | | | | | | | | | |
| 9:30 | | | | S-1 2' | 7 | | | | | | | | | |
| 9:35 | | | | S-1 4' | 8 | | | | | | | | | |
| 9:40 | | | | S-1 5' | 9 | | | | | | | | | |
| 9:45 | | | | S-2 2' | 10 | | | | | | | | | |

Additional Instructions:

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

Relinquished by: (Signature) Red Rigel Date 6-21-22 Time 2:55 P

Relinquished by: (Signature) Red Rigel Date 6-21-22 Time 4:15

Relinquished by: (Signature) _____ Date _____ Time _____

Received by: (Signature) Dash Dougless Date 6-21-22 Time 3:45

Received by: (Signature) Carla Chute Date 6/22/22 Time 10:15

Received by: (Signature) _____ Date _____ Time _____

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

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

Note: Samples are discarded 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 Analytical Laboratory

Printed: 6/22/2022 12:20:33PM

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: | 06/22/22 10:15 | Work Order ID: | E206159 |
| Phone: | (575) 631-6977 | Date Logged In: | 06/22/22 08:57 | Logged In By: | Caitlin Christian |
| Email: | tom@pimaoil.com | Due Date: | 06/28/22 17:00 (4 day TAT) | | |

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: UPSComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? No

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Rigel 20 Fed Com 1H

Work Order: E208166

Job Number: 01058-0007

Received: 8/31/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/31/22

5796 U.S. Hwy 64
Farmington, NM 87401

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



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: 8/31/22

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Rigel 20 Fed Com 1H
Workorder: E208166
Date Received: 8/31/2022 10:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/31/2022 10:00:00AM, under the Project Name: Rigel 20 Fed Com 1H.

The analytical test results summarized in this report with the Project Name: Rigel 20 Fed Com 1H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

| | | | |
|--------------------------------------|------------------|---------------------|------------------------------------|
| Pima Environmental Services-Carlsbad | Project Name: | Rigel 20 Fed Com 1H | Reported: 08/31/22 17:47 |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | |

| Client Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container |
|------------------|---------------|--------|----------|----------|------------------|
| CS-1 | E208166-01A | Soil | 08/28/22 | 08/31/22 | Glass Jar, 4 oz. |
| CS-2 | E208166-02A | Soil | 08/28/22 | 08/31/22 | Glass Jar, 4 oz. |
| CS-3 | E208166-03A | Soil | 08/28/22 | 08/31/22 | Glass Jar, 4 oz. |
| CS-4 | E208166-04A | Soil | 08/28/22 | 08/31/22 | Glass Jar, 4 oz. |
| CSW-1 | E208166-05A | Soil | 08/28/22 | 08/31/22 | Glass Jar, 4 oz. |
| CSW-2 | E208166-06A | Soil | 08/28/22 | 08/31/22 | Glass Jar, 4 oz. |
| CSW-3 | E208166-07A | Soil | 08/28/22 | 08/31/22 | Glass Jar, 4 oz. |
| CSW-4 | E208166-08A | Soil | 08/28/22 | 08/31/22 | Glass Jar, 4 oz. |
| CSW-5 | E208166-09A | Soil | 08/28/22 | 08/31/22 | Glass Jar, 4 oz. |
| CSW-6 | E208166-10A | Soil | 08/28/22 | 08/31/22 | Glass Jar, 4 oz. |
| CSW-7 | E208166-11A | Soil | 08/28/22 | 08/31/22 | Glass Jar, 4 oz. |
| CSW-8 | E208166-12A | Soil | 08/28/22 | 08/31/22 | Glass Jar, 4 oz. |



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Rigel 20 Fed Com 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
8/31/2022 5:47:57PM

CS-1

E208166-01

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|-------------|----------|----------------|
| Volatile Organic Compounds by EPA 8260B | | | | | | |
| | mg/kg | mg/kg | | Analyst: IY | | Batch: 2236031 |
| Benzene | ND | 0.0250 | 1 | 08/31/22 | 08/31/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/31/22 | 08/31/22 | |
| Toluene | ND | 0.0250 | 1 | 08/31/22 | 08/31/22 | |
| o-Xylene | ND | 0.0250 | 1 | 08/31/22 | 08/31/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/31/22 | 08/31/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/31/22 | 08/31/22 | |
| <i>Surrogate: Bromofluorobenzene</i> | 93.4 % | 70-130 | | 08/31/22 | 08/31/22 | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | 97.3 % | 70-130 | | 08/31/22 | 08/31/22 | |
| <i>Surrogate: Toluene-d8</i> | 97.9 % | 70-130 | | 08/31/22 | 08/31/22 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: IY | | Batch: 2236031 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/31/22 | 08/31/22 | |
| <i>Surrogate: Bromofluorobenzene</i> | 93.4 % | 70-130 | | 08/31/22 | 08/31/22 | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | 97.3 % | 70-130 | | 08/31/22 | 08/31/22 | |
| <i>Surrogate: Toluene-d8</i> | 97.9 % | 70-130 | | 08/31/22 | 08/31/22 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: JL | | Batch: 2236021 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 08/30/22 | 08/31/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 08/30/22 | 08/31/22 | |
| <i>Surrogate: n-Nonane</i> | 103 % | 50-200 | | 08/30/22 | 08/31/22 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: IY | | Batch: 2236023 |
| Chloride | ND | 20.0 | 1 | 08/30/22 | 08/31/22 | |



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Rigel 20 Fed Com 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
8/31/2022 5:47:57PM

CS-2

E208166-02

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|-------------|----------|----------------|
| Volatile Organic Compounds by EPA 8260B | | | | | | |
| | mg/kg | mg/kg | | Analyst: IY | | Batch: 2236031 |
| Benzene | ND | 0.0250 | 1 | 08/31/22 | 08/31/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/31/22 | 08/31/22 | |
| Toluene | ND | 0.0250 | 1 | 08/31/22 | 08/31/22 | |
| o-Xylene | ND | 0.0250 | 1 | 08/31/22 | 08/31/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/31/22 | 08/31/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/31/22 | 08/31/22 | |
| Surrogate: Bromofluorobenzene | 94.9 % | 70-130 | | 08/31/22 | 08/31/22 | |
| Surrogate: 1,2-Dichloroethane-d4 | 99.8 % | 70-130 | | 08/31/22 | 08/31/22 | |
| Surrogate: Toluene-d8 | 97.8 % | 70-130 | | 08/31/22 | 08/31/22 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: IY | | Batch: 2236031 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/31/22 | 08/31/22 | |
| Surrogate: Bromofluorobenzene | 94.9 % | 70-130 | | 08/31/22 | 08/31/22 | |
| Surrogate: 1,2-Dichloroethane-d4 | 99.8 % | 70-130 | | 08/31/22 | 08/31/22 | |
| Surrogate: Toluene-d8 | 97.8 % | 70-130 | | 08/31/22 | 08/31/22 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: JL | | Batch: 2236021 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 08/30/22 | 08/31/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 08/30/22 | 08/31/22 | |
| Surrogate: n-Nonane | 96.6 % | 50-200 | | 08/30/22 | 08/31/22 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: IY | | Batch: 2236023 |
| Chloride | ND | 20.0 | 1 | 08/30/22 | 08/31/22 | |



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Rigel 20 Fed Com 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
8/31/2022 5:47:57PM

CS-3

E208166-03

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|-------------|----------|----------------|
| Volatile Organic Compounds by EPA 8260B | | | | | | |
| | mg/kg | mg/kg | | Analyst: IY | | Batch: 2236031 |
| Benzene | ND | 0.0250 | 1 | 08/31/22 | 08/31/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/31/22 | 08/31/22 | |
| Toluene | ND | 0.0250 | 1 | 08/31/22 | 08/31/22 | |
| o-Xylene | ND | 0.0250 | 1 | 08/31/22 | 08/31/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/31/22 | 08/31/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/31/22 | 08/31/22 | |
| Surrogate: Bromofluorobenzene | 94.6 % | 70-130 | | 08/31/22 | 08/31/22 | |
| Surrogate: 1,2-Dichloroethane-d4 | 98.4 % | 70-130 | | 08/31/22 | 08/31/22 | |
| Surrogate: Toluene-d8 | 97.4 % | 70-130 | | 08/31/22 | 08/31/22 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: IY | | Batch: 2236031 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/31/22 | 08/31/22 | |
| Surrogate: Bromofluorobenzene | 94.6 % | 70-130 | | 08/31/22 | 08/31/22 | |
| Surrogate: 1,2-Dichloroethane-d4 | 98.4 % | 70-130 | | 08/31/22 | 08/31/22 | |
| Surrogate: Toluene-d8 | 97.4 % | 70-130 | | 08/31/22 | 08/31/22 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: JL | | Batch: 2236021 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 08/30/22 | 08/31/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 08/30/22 | 08/31/22 | |
| Surrogate: n-Nonane | 96.4 % | 50-200 | | 08/30/22 | 08/31/22 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: IY | | Batch: 2236023 |
| Chloride | ND | 20.0 | 1 | 08/30/22 | 08/31/22 | |



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Rigel 20 Fed Com 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
8/31/2022 5:47:57PM

CS-4

E208166-04

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|-------------|----------|----------------|
| Volatile Organic Compounds by EPA 8260B | | | | | | |
| | mg/kg | mg/kg | | Analyst: IY | | Batch: 2236031 |
| Benzene | ND | 0.0250 | 1 | 08/31/22 | 08/31/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/31/22 | 08/31/22 | |
| Toluene | ND | 0.0250 | 1 | 08/31/22 | 08/31/22 | |
| o-Xylene | ND | 0.0250 | 1 | 08/31/22 | 08/31/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/31/22 | 08/31/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/31/22 | 08/31/22 | |
| Surrogate: Bromofluorobenzene | 93.7 % | 70-130 | | 08/31/22 | 08/31/22 | |
| Surrogate: 1,2-Dichloroethane-d4 | 99.6 % | 70-130 | | 08/31/22 | 08/31/22 | |
| Surrogate: Toluene-d8 | 99.0 % | 70-130 | | 08/31/22 | 08/31/22 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: IY | | Batch: 2236031 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/31/22 | 08/31/22 | |
| Surrogate: Bromofluorobenzene | 93.7 % | 70-130 | | 08/31/22 | 08/31/22 | |
| Surrogate: 1,2-Dichloroethane-d4 | 99.6 % | 70-130 | | 08/31/22 | 08/31/22 | |
| Surrogate: Toluene-d8 | 99.0 % | 70-130 | | 08/31/22 | 08/31/22 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: JL | | Batch: 2236021 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 08/30/22 | 08/31/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 08/30/22 | 08/31/22 | |
| Surrogate: n-Nonane | 97.9 % | 50-200 | | 08/30/22 | 08/31/22 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: IY | | Batch: 2236023 |
| Chloride | ND | 20.0 | 1 | 08/30/22 | 08/31/22 | |



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Rigel 20 Fed Com 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
8/31/2022 5:47:57PM

CSW-1

E208166-05

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|-------------|----------|----------------|
| Volatile Organic Compounds by EPA 8260B | | | | | | |
| | mg/kg | mg/kg | | Analyst: IY | | Batch: 2236031 |
| Benzene | ND | 0.0250 | 1 | 08/31/22 | 08/31/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/31/22 | 08/31/22 | |
| Toluene | ND | 0.0250 | 1 | 08/31/22 | 08/31/22 | |
| o-Xylene | ND | 0.0250 | 1 | 08/31/22 | 08/31/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/31/22 | 08/31/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/31/22 | 08/31/22 | |
| Surrogate: Bromofluorobenzene | 93.6 % | 70-130 | | 08/31/22 | 08/31/22 | |
| Surrogate: 1,2-Dichloroethane-d4 | 97.4 % | 70-130 | | 08/31/22 | 08/31/22 | |
| Surrogate: Toluene-d8 | 97.5 % | 70-130 | | 08/31/22 | 08/31/22 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: IY | | Batch: 2236031 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/31/22 | 08/31/22 | |
| Surrogate: Bromofluorobenzene | 93.6 % | 70-130 | | 08/31/22 | 08/31/22 | |
| Surrogate: 1,2-Dichloroethane-d4 | 97.4 % | 70-130 | | 08/31/22 | 08/31/22 | |
| Surrogate: Toluene-d8 | 97.5 % | 70-130 | | 08/31/22 | 08/31/22 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: JL | | Batch: 2236021 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 08/30/22 | 08/31/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 08/30/22 | 08/31/22 | |
| Surrogate: n-Nonane | 77.5 % | 50-200 | | 08/30/22 | 08/31/22 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: IY | | Batch: 2236023 |
| Chloride | ND | 20.0 | 1 | 08/30/22 | 08/31/22 | |



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Rigel 20 Fed Com 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
8/31/2022 5:47:57PM

CSW-2

E208166-06

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|-------------|----------|----------------|
| Volatile Organic Compounds by EPA 8260B | | | | | | |
| | mg/kg | mg/kg | | Analyst: IY | | Batch: 2236031 |
| Benzene | ND | 0.0250 | 1 | 08/31/22 | 08/31/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/31/22 | 08/31/22 | |
| Toluene | ND | 0.0250 | 1 | 08/31/22 | 08/31/22 | |
| o-Xylene | ND | 0.0250 | 1 | 08/31/22 | 08/31/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/31/22 | 08/31/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/31/22 | 08/31/22 | |
| Surrogate: Bromofluorobenzene | 90.5 % | 70-130 | | 08/31/22 | 08/31/22 | |
| Surrogate: 1,2-Dichloroethane-d4 | 103 % | 70-130 | | 08/31/22 | 08/31/22 | |
| Surrogate: Toluene-d8 | 97.4 % | 70-130 | | 08/31/22 | 08/31/22 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: IY | | Batch: 2236031 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/31/22 | 08/31/22 | |
| Surrogate: Bromofluorobenzene | 90.5 % | 70-130 | | 08/31/22 | 08/31/22 | |
| Surrogate: 1,2-Dichloroethane-d4 | 103 % | 70-130 | | 08/31/22 | 08/31/22 | |
| Surrogate: Toluene-d8 | 97.4 % | 70-130 | | 08/31/22 | 08/31/22 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: JL | | Batch: 2236021 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 08/30/22 | 08/31/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 08/30/22 | 08/31/22 | |
| Surrogate: n-Nonane | 74.3 % | 50-200 | | 08/30/22 | 08/31/22 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: IY | | Batch: 2236023 |
| Chloride | ND | 20.0 | 1 | 08/30/22 | 08/31/22 | |



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Rigel 20 Fed Com 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
8/31/2022 5:47:57PM

CSW-3

E208166-07

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|-------------|----------|----------------|
| Volatile Organic Compounds by EPA 8260B | | | | | | |
| | mg/kg | mg/kg | | Analyst: IY | | Batch: 2236031 |
| Benzene | ND | 0.0250 | 1 | 08/31/22 | 08/31/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/31/22 | 08/31/22 | |
| Toluene | ND | 0.0250 | 1 | 08/31/22 | 08/31/22 | |
| o-Xylene | ND | 0.0250 | 1 | 08/31/22 | 08/31/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/31/22 | 08/31/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/31/22 | 08/31/22 | |
| Surrogate: Bromofluorobenzene | 90.9 % | 70-130 | | 08/31/22 | 08/31/22 | |
| Surrogate: 1,2-Dichloroethane-d4 | 105 % | 70-130 | | 08/31/22 | 08/31/22 | |
| Surrogate: Toluene-d8 | 95.5 % | 70-130 | | 08/31/22 | 08/31/22 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: IY | | Batch: 2236031 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/31/22 | 08/31/22 | |
| Surrogate: Bromofluorobenzene | 90.9 % | 70-130 | | 08/31/22 | 08/31/22 | |
| Surrogate: 1,2-Dichloroethane-d4 | 105 % | 70-130 | | 08/31/22 | 08/31/22 | |
| Surrogate: Toluene-d8 | 95.5 % | 70-130 | | 08/31/22 | 08/31/22 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: JL | | Batch: 2236021 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 08/30/22 | 08/31/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 08/30/22 | 08/31/22 | |
| Surrogate: n-Nonane | 92.8 % | 50-200 | | 08/30/22 | 08/31/22 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: IY | | Batch: 2236023 |
| Chloride | ND | 20.0 | 1 | 08/30/22 | 08/31/22 | |



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Rigel 20 Fed Com 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
8/31/2022 5:47:57PM

CSW-4

E208166-08

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|-------------|----------|----------------|
| Volatile Organic Compounds by EPA 8260B | | | | | | |
| | mg/kg | mg/kg | | Analyst: IY | | Batch: 2236031 |
| Benzene | ND | 0.0250 | 1 | 08/31/22 | 08/31/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/31/22 | 08/31/22 | |
| Toluene | ND | 0.0250 | 1 | 08/31/22 | 08/31/22 | |
| o-Xylene | ND | 0.0250 | 1 | 08/31/22 | 08/31/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/31/22 | 08/31/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/31/22 | 08/31/22 | |
| Surrogate: Bromofluorobenzene | | 101 % | 70-130 | 08/31/22 | 08/31/22 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 97.4 % | 70-130 | 08/31/22 | 08/31/22 | |
| Surrogate: Toluene-d8 | | 103 % | 70-130 | 08/31/22 | 08/31/22 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: IY | | Batch: 2236031 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/31/22 | 08/31/22 | |
| Surrogate: Bromofluorobenzene | | 101 % | 70-130 | 08/31/22 | 08/31/22 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 97.4 % | 70-130 | 08/31/22 | 08/31/22 | |
| Surrogate: Toluene-d8 | | 103 % | 70-130 | 08/31/22 | 08/31/22 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: JL | | Batch: 2236021 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 08/30/22 | 08/31/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 08/30/22 | 08/31/22 | |
| Surrogate: n-Nonane | | 92.2 % | 50-200 | 08/30/22 | 08/31/22 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: IY | | Batch: 2236023 |
| Chloride | ND | 20.0 | 1 | 08/30/22 | 08/31/22 | |



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Rigel 20 Fed Com 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
8/31/2022 5:47:57PM

CSW-5

E208166-09

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|-------------|----------|----------------|
| Volatile Organic Compounds by EPA 8260B | | | | | | |
| | mg/kg | mg/kg | | Analyst: IY | | Batch: 2236031 |
| Benzene | ND | 0.0250 | 1 | 08/31/22 | 08/31/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/31/22 | 08/31/22 | |
| Toluene | ND | 0.0250 | 1 | 08/31/22 | 08/31/22 | |
| o-Xylene | ND | 0.0250 | 1 | 08/31/22 | 08/31/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/31/22 | 08/31/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/31/22 | 08/31/22 | |
| Surrogate: Bromofluorobenzene | | 100 % | 70-130 | 08/31/22 | 08/31/22 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 101 % | 70-130 | 08/31/22 | 08/31/22 | |
| Surrogate: Toluene-d8 | | 103 % | 70-130 | 08/31/22 | 08/31/22 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: IY | | Batch: 2236031 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/31/22 | 08/31/22 | |
| Surrogate: Bromofluorobenzene | | 100 % | 70-130 | 08/31/22 | 08/31/22 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 101 % | 70-130 | 08/31/22 | 08/31/22 | |
| Surrogate: Toluene-d8 | | 103 % | 70-130 | 08/31/22 | 08/31/22 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: JL | | Batch: 2236021 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 08/30/22 | 08/31/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 08/30/22 | 08/31/22 | |
| Surrogate: n-Nonane | | 100 % | 50-200 | 08/30/22 | 08/31/22 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: IY | | Batch: 2236023 |
| Chloride | ND | 20.0 | 1 | 08/30/22 | 08/31/22 | |



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Rigel 20 Fed Com 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
8/31/2022 5:47:57PM

CSW-6

E208166-10

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|-------------|----------|----------------|
| Volatile Organic Compounds by EPA 8260B | | | | | | |
| | mg/kg | mg/kg | | Analyst: IY | | Batch: 2236031 |
| Benzene | ND | 0.0250 | 1 | 08/31/22 | 08/31/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/31/22 | 08/31/22 | |
| Toluene | ND | 0.0250 | 1 | 08/31/22 | 08/31/22 | |
| o-Xylene | ND | 0.0250 | 1 | 08/31/22 | 08/31/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/31/22 | 08/31/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/31/22 | 08/31/22 | |
| Surrogate: Bromofluorobenzene | | 104 % | 70-130 | 08/31/22 | 08/31/22 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 99.7 % | 70-130 | 08/31/22 | 08/31/22 | |
| Surrogate: Toluene-d8 | | 104 % | 70-130 | 08/31/22 | 08/31/22 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: IY | | Batch: 2236031 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/31/22 | 08/31/22 | |
| Surrogate: Bromofluorobenzene | | 104 % | 70-130 | 08/31/22 | 08/31/22 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 99.7 % | 70-130 | 08/31/22 | 08/31/22 | |
| Surrogate: Toluene-d8 | | 104 % | 70-130 | 08/31/22 | 08/31/22 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: JL | | Batch: 2236021 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 08/30/22 | 08/31/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 08/30/22 | 08/31/22 | |
| Surrogate: n-Nonane | | 100 % | 50-200 | 08/30/22 | 08/31/22 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: IY | | Batch: 2236023 |
| Chloride | ND | 20.0 | 1 | 08/30/22 | 08/31/22 | |



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Rigel 20 Fed Com 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
8/31/2022 5:47:57PM

CSW-7

E208166-11

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|-------------|----------|----------------|
| Volatile Organic Compounds by EPA 8260B | | | | | | |
| | mg/kg | mg/kg | | Analyst: IY | | Batch: 2236031 |
| Benzene | ND | 0.0250 | 1 | 08/31/22 | 08/31/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/31/22 | 08/31/22 | |
| Toluene | ND | 0.0250 | 1 | 08/31/22 | 08/31/22 | |
| o-Xylene | ND | 0.0250 | 1 | 08/31/22 | 08/31/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/31/22 | 08/31/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/31/22 | 08/31/22 | |
| Surrogate: Bromofluorobenzene | | 101 % | 70-130 | 08/31/22 | 08/31/22 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 99.8 % | 70-130 | 08/31/22 | 08/31/22 | |
| Surrogate: Toluene-d8 | | 104 % | 70-130 | 08/31/22 | 08/31/22 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: IY | | Batch: 2236031 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/31/22 | 08/31/22 | |
| Surrogate: Bromofluorobenzene | | 101 % | 70-130 | 08/31/22 | 08/31/22 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 99.8 % | 70-130 | 08/31/22 | 08/31/22 | |
| Surrogate: Toluene-d8 | | 104 % | 70-130 | 08/31/22 | 08/31/22 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: JL | | Batch: 2236021 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 08/30/22 | 08/31/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 08/30/22 | 08/31/22 | |
| Surrogate: n-Nonane | | 94.4 % | 50-200 | 08/30/22 | 08/31/22 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: IY | | Batch: 2236023 |
| Chloride | ND | 20.0 | 1 | 08/30/22 | 08/31/22 | |



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Rigel 20 Fed Com 1H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
8/31/2022 5:47:57PM

CSW-8

E208166-12

| Analyte | Result | Reporting Limit | Dilution | Prepared | Analyzed | Notes |
|---|--------|-----------------|----------|-------------|----------|----------------|
| Volatile Organic Compounds by EPA 8260B | | | | | | |
| | mg/kg | mg/kg | | Analyst: IY | | Batch: 2236031 |
| Benzene | ND | 0.0250 | 1 | 08/31/22 | 08/31/22 | |
| Ethylbenzene | ND | 0.0250 | 1 | 08/31/22 | 08/31/22 | |
| Toluene | ND | 0.0250 | 1 | 08/31/22 | 08/31/22 | |
| o-Xylene | ND | 0.0250 | 1 | 08/31/22 | 08/31/22 | |
| p,m-Xylene | ND | 0.0500 | 1 | 08/31/22 | 08/31/22 | |
| Total Xylenes | ND | 0.0250 | 1 | 08/31/22 | 08/31/22 | |
| Surrogate: Bromofluorobenzene | | 106 % | 70-130 | 08/31/22 | 08/31/22 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 102 % | 70-130 | 08/31/22 | 08/31/22 | |
| Surrogate: Toluene-d8 | | 101 % | 70-130 | 08/31/22 | 08/31/22 | |
| Nonhalogenated Organics by EPA 8015D - GRO | | | | | | |
| | mg/kg | mg/kg | | Analyst: IY | | Batch: 2236031 |
| Gasoline Range Organics (C6-C10) | ND | 20.0 | 1 | 08/31/22 | 08/31/22 | |
| Surrogate: Bromofluorobenzene | | 106 % | 70-130 | 08/31/22 | 08/31/22 | |
| Surrogate: 1,2-Dichloroethane-d4 | | 102 % | 70-130 | 08/31/22 | 08/31/22 | |
| Surrogate: Toluene-d8 | | 101 % | 70-130 | 08/31/22 | 08/31/22 | |
| Nonhalogenated Organics by EPA 8015D - DRO/ORO | | | | | | |
| | mg/kg | mg/kg | | Analyst: JL | | Batch: 2236021 |
| Diesel Range Organics (C10-C28) | ND | 25.0 | 1 | 08/30/22 | 08/31/22 | |
| Oil Range Organics (C28-C36) | ND | 50.0 | 1 | 08/30/22 | 08/31/22 | |
| Surrogate: n-Nonane | | 106 % | 50-200 | 08/30/22 | 08/31/22 | |
| Anions by EPA 300.0/9056A | | | | | | |
| | mg/kg | mg/kg | | Analyst: IY | | Batch: 2236023 |
| Chloride | ND | 20.0 | 1 | 08/30/22 | 08/31/22 | |



QC Summary Data

| | | | |
|--------------------------------------|------------------|---------------------|---------------------|
| Pima Environmental Services-Carlsbad | Project Name: | Rigel 20 Fed Com 1H | Reported: |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | 8/31/2022 5:47:57PM |

Volatile Organic Compounds by EPA 8260B

Analyst: IY

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

Blank (2236031-BLK1)

Prepared: 08/31/22 Analyzed: 08/31/22

| | | | | | | | | | |
|----------------------------------|-------|--------|-------|--|------|--------|--|--|--|
| Benzene | ND | 0.0250 | | | | | | | |
| Ethylbenzene | ND | 0.0250 | | | | | | | |
| Toluene | ND | 0.0250 | | | | | | | |
| o-Xylene | ND | 0.0250 | | | | | | | |
| p,m-Xylene | ND | 0.0500 | | | | | | | |
| Total Xylenes | ND | 0.0250 | | | | | | | |
| Surrogate: Bromofluorobenzene | 0.506 | | 0.500 | | 101 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.486 | | 0.500 | | 97.2 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.535 | | 0.500 | | 107 | 70-130 | | | |

LCS (2236031-BS1)

Prepared: 08/31/22 Analyzed: 08/31/22

| | | | | | | | | | |
|----------------------------------|-------|--------|-------|--|------|--------|--|--|--|
| Benzene | 2.13 | 0.0250 | 2.50 | | 85.2 | 70-130 | | | |
| Ethylbenzene | 2.26 | 0.0250 | 2.50 | | 90.3 | 70-130 | | | |
| Toluene | 2.15 | 0.0250 | 2.50 | | 86.0 | 70-130 | | | |
| o-Xylene | 2.11 | 0.0250 | 2.50 | | 84.6 | 70-130 | | | |
| p,m-Xylene | 4.19 | 0.0500 | 5.00 | | 83.7 | 70-130 | | | |
| Total Xylenes | 6.30 | 0.0250 | 7.50 | | 84.0 | 70-130 | | | |
| Surrogate: Bromofluorobenzene | 0.508 | | 0.500 | | 102 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.485 | | 0.500 | | 96.9 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.513 | | 0.500 | | 103 | 70-130 | | | |

LCS Dup (2236031-BSD1)

Prepared: 08/31/22 Analyzed: 08/31/22

| | | | | | | | | | |
|----------------------------------|-------|--------|-------|--|------|--------|------|----|--|
| Benzene | 2.05 | 0.0250 | 2.50 | | 82.0 | 70-130 | 3.80 | 23 | |
| Ethylbenzene | 2.19 | 0.0250 | 2.50 | | 87.6 | 70-130 | 3.01 | 27 | |
| Toluene | 2.08 | 0.0250 | 2.50 | | 83.3 | 70-130 | 3.16 | 24 | |
| o-Xylene | 2.04 | 0.0250 | 2.50 | | 81.5 | 70-130 | 3.66 | 27 | |
| p,m-Xylene | 4.05 | 0.0500 | 5.00 | | 81.0 | 70-130 | 3.35 | 27 | |
| Total Xylenes | 6.09 | 0.0250 | 7.50 | | 81.2 | 70-130 | 3.45 | 27 | |
| Surrogate: Bromofluorobenzene | 0.503 | | 0.500 | | 101 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.495 | | 0.500 | | 98.9 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.512 | | 0.500 | | 102 | 70-130 | | | |



QC Summary Data

| | | | |
|--------------------------------------|------------------|---------------------|---------------------|
| Pima Environmental Services-Carlsbad | Project Name: | Rigel 20 Fed Com 1H | Reported: |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | 8/31/2022 5:47:57PM |

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

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

Blank (2236031-BLK1)

Prepared: 08/31/22 Analyzed: 08/31/22

| | | | | | | | | | |
|----------------------------------|-------|------|-------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | ND | 20.0 | | | | | | | |
| Surrogate: Bromofluorobenzene | 0.506 | | 0.500 | | 101 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.486 | | 0.500 | | 97.2 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.535 | | 0.500 | | 107 | 70-130 | | | |

LCS (2236031-BS2)

Prepared: 08/31/22 Analyzed: 08/31/22

| | | | | | | | | | |
|----------------------------------|-------|------|-------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | 53.1 | 20.0 | 50.0 | | 106 | 70-130 | | | |
| Surrogate: Bromofluorobenzene | 0.506 | | 0.500 | | 101 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.485 | | 0.500 | | 97.0 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.515 | | 0.500 | | 103 | 70-130 | | | |

LCS Dup (2236031-BSD2)

Prepared: 08/31/22 Analyzed: 08/31/22

| | | | | | | | | | |
|----------------------------------|-------|------|-------|--|------|--------|------|----|--|
| Gasoline Range Organics (C6-C10) | 55.5 | 20.0 | 50.0 | | 111 | 70-130 | 4.48 | 20 | |
| Surrogate: Bromofluorobenzene | 0.505 | | 0.500 | | 101 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.496 | | 0.500 | | 99.1 | 70-130 | | | |
| Surrogate: Toluene-d8 | 0.514 | | 0.500 | | 103 | 70-130 | | | |



QC Summary Data

| | | | |
|--------------------------------------|------------------|---------------------|---------------------|
| Pima Environmental Services-Carlsbad | Project Name: | Rigel 20 Fed Com 1H | Reported: |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | 8/31/2022 5:47:57PM |

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

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

Blank (2236021-BLK1)

Prepared: 08/30/22 Analyzed: 08/31/22

| | | | | | | | | | |
|---------------------------------|------|------|------|--|------|--------|--|--|--|
| Diesel Range Organics (C10-C28) | ND | 25.0 | | | | | | | |
| Oil Range Organics (C28-C36) | ND | 50.0 | | | | | | | |
| Surrogate: n-Nonane | 49.6 | | 50.0 | | 99.2 | 50-200 | | | |

LCS (2236021-BS1)

Prepared: 08/30/22 Analyzed: 08/31/22

| | | | | | | | | | |
|---------------------------------|------|------|------|--|------|--------|--|--|--|
| Diesel Range Organics (C10-C28) | 250 | 25.0 | 250 | | 99.9 | 38-132 | | | |
| Surrogate: n-Nonane | 48.4 | | 50.0 | | 96.9 | 50-200 | | | |

Matrix Spike (2236021-MS1)

Source: E208166-09

Prepared: 08/30/22 Analyzed: 08/31/22

| | | | | | | | | | |
|---------------------------------|------|------|------|----|------|--------|--|--|--|
| Diesel Range Organics (C10-C28) | 251 | 25.0 | 250 | ND | 100 | 38-132 | | | |
| Surrogate: n-Nonane | 47.0 | | 50.0 | | 94.0 | 50-200 | | | |

Matrix Spike Dup (2236021-MSD1)

Source: E208166-09

Prepared: 08/30/22 Analyzed: 08/31/22

| | | | | | | | | | |
|---------------------------------|------|------|------|----|------|--------|------|----|--|
| Diesel Range Organics (C10-C28) | 254 | 25.0 | 250 | ND | 102 | 38-132 | 1.38 | 20 | |
| Surrogate: n-Nonane | 42.3 | | 50.0 | | 84.5 | 50-200 | | | |



QC Summary Data

| | | | |
|--------------------------------------|------------------|---------------------|---------------------|
| Pima Environmental Services-Carlsbad | Project Name: | Rigel 20 Fed Com 1H | Reported: |
| PO Box 247 | Project Number: | 01058-0007 | |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | 8/31/2022 5:47:57PM |

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 (2236023-BLK1) | | | | | Prepared: 08/30/22 Analyzed: 08/31/22 | | | | |
| Chloride | ND | 20.0 | | | | | | | |
| LCS (2236023-BS1) | | | | | Prepared: 08/30/22 Analyzed: 08/31/22 | | | | |
| Chloride | 238 | 20.0 | 250 | | 95.4 | 90-110 | | | |
| LCS Dup (2236023-BSD1) | | | | | Prepared: 08/30/22 Analyzed: 08/31/22 | | | | |
| Chloride | 240 | 20.0 | 250 | | 95.9 | 90-110 | 0.585 | 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: | Rigel 20 Fed Com 1H | |
| PO Box 247 | Project Number: | 01058-0007 | Reported: |
| Plains TX, 79355-0247 | Project Manager: | Tom Bynum | 08/31/22 17:47 |

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

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

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

Project Information

Chain of Custody

Page 1 of 2

| | | | | | | | | | | | | | | | | | | |
|---|--------------|--------|-------------------|-----------|--------------------------------|-----------------|------------------------|--------------|---|-------------|---|----|----|---------------------|-------------|-------------------|------|--|
| Client: Pima Environmental Services | | | | | Bill To | | Lab Use Only | | | | TAT | | | | EPA Program | | | |
| Project: <u>Rigel 20 Fed Com 1H</u> | | | | | Attention: <u>Devon Energy</u> | | Lab WO# <u>E208166</u> | | Job Number <u>01058-0007</u> | | 1D | 2D | 3D | Standard | CWA | SDWA | | |
| Project Manager: Tom Bynum | | | | | Address: | | Analysis and Method | | | | | | | | | | RCRA | |
| Address: 5614 N. Lovington Hwy. | | | | | City, State, Zip | | | | | | | | | | | | | |
| City, State, Zip <u>Hobbs, NM, 88240</u> | | | | | Phone: | | | | | | | | | | | | | |
| Phone: 580-748-1613 | | | | | Email: | | | | | | | | | | | | | |
| Email: <u>tom@pimaoil.com</u> | | | | | Pima Project # <u>156</u> | | | | | | | | | | | | | |
| Report due by: | | | | | | | | | | | | | | | | | | |
| Time Sampled | Date Sampled | Matrix | No. of Containers | Sample ID | Lab Number | DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | | | BGDOC NM | BGDOC TX | Remarks | | |
| 8:00 | 8/28/22 | S | 1 | CS-1 | 1 | | | | | | | | | X | | | | |
| 8:05 | | | | CS-2 | 2 | | | | | | | | | | | | | |
| 8:10 | | | | CS-3 | 3 | | | | | | | | | | | | | |
| 8:15 | | | | CS-H | 4 | | | | | | | | | | | | | |
| 8:20 | | | | CSW-1 | 5 | | | | | | | | | | | | | |
| 8:25 | | | | CSW-2 | 6 | | | | | | | | | | | | | |
| 8:30 | | | | CSW-3 | 7 | | | | | | | | | | | | | |
| 8:35 | | | | CSW-4 | 8 | | | | | | | | | | | | | |
| 8:40 | | | | CSW-5 | 9 | | | | | | | | | | | | | |
| 8:45 | | | | CSW-6 | 10 | | | | | | | | | | | | | |
| Additional Instructions: <u>Bill To Devon Energy # 20965288</u> | | | | | | | | | | | | | | | | | | |
| 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. | | | | | | | | | | | 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) <u>[Signature]</u> | | | | | Date <u>8/29/22</u> | | Time <u>1500</u> | | Received by: (Signature) <u>[Signature]</u> | | | | | Date <u>8/29/22</u> | | Time <u>3:00</u> | | |
| Relinquished by: (Signature) <u>[Signature]</u> | | | | | Date <u>8/28/22</u> | | Time <u>2:15</u> | | Received by: (Signature) <u>[Signature]</u> | | | | | Date <u>8/31/22</u> | | Time <u>10:00</u> | | |
| Relinquished by: (Signature) <u>[Signature]</u> | | | | | Date | | Time | | Received by: (Signature) | | | | | Date | | Time | | |
| Sample Matrix: <u>S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other</u> | | | | | | | | | | | Container Type: <u>g - glass, p - poly/plastic, ag - amber glass, v - VOA</u> | | | | | | | |
| 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 Analytical Laboratory

Printed: 8/31/2022 10:52:58AM

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: | 08/31/22 10:00 | Work Order ID: | E208166 |
| Phone: | (575) 631-6977 | Date Logged In: | 08/30/22 08:23 | Logged In By: | Caitlin Christian |
| Email: | tom@pimaoil.com | Due Date: | 08/31/22 17:00 (0 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: UPSComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? No

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client 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 157381

CONDITIONS

| | |
|---|---|
| Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102 | OGRID: 6137 |
| | Action Number: 157381 |
| | Action Type: [C-141] Release Corrective Action (C-141) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|---|----------------|
| rhamlet | We have received your closure report and final C-141 for Incident #NAPP2121530174 RIGEL 20 FED COM 1H, thank you. This closure is approved. | 1/26/2023 |