State of New Mexico
Oil Conservation Division

Incident ID	NAB1729752650
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?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NAB1729752650
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: EHS Professional

Signature: Dale Woodall Date: 1/3/2023

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

OCD Only

Received by: Jocelyn Harimon Date: 01/03/2023

State of New Mexico
Oil Conservation Division

Incident ID	NAB1729752650
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: EHS Professional

Signature: Dale Woodall Date: 1/3/2023

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

OCD Only

Received by: Jocelyn Harimon Date: 01/03/2023

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

Closure Approved by: Ashley Maxwell Date: 1/04/2023

Printed Name: Ashley Maxwell Title: Environmental Specialist

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

January 3, 2023

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

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

RE: Site Assessment and Closure Report
Rigel 20 Federal Com #003H
API No. 30-015-39725
GPS: Latitude 32.6435781 Longitude -103.8989164
ULSTR – "L", 20, 19S, 31E
NMOCD Reference No. NAB1729752650

Devon Energy Production Company (Devon) has contracted Pima Environmental Services, LLC (Pima) to perform a site assessment, liner inspection, and prepare this closure report for a crude oil release that happened at the Rigel 20 Federal Com #003H (Rigel). An initial C-141 was submitted on October 11, 2017, and can be found in Appendix C. This incident was assigned Incident ID NAB1729752650, by the New Mexico Oil Conservation Division (NMOCD).

Site Information and Site Characterization

The Rigel is located approximately thirteen (13) miles South of Loco Hills, NM. This spill site is in Unit L, Section 20, Township 19S, Range 31E, Latitude 32.6435781 Longitude -103.8989164, Eddy County, NM. A Location Map can be found in Figure 1.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is made up of Eolian and piedmont deposits. Interlayered eolian 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 Kermit-Berino 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 excessively drained. There is a medium potential for karst geology to be present around the Rigel (Figure 3).

Based upon New Mexico Office of the State Engineer well water data, depth to the nearest groundwater in this area is 180 feet below -grade surface (BGS). According to the United States Geological Survey well water data, depth to the nearest groundwater in this area is 22 feet BGS. The closest waterway is Hackberry Lake approximately 1.91 miles to the west of this location. See Appendix A for referenced water surveys.

Table 1 NMAC and Closure Criteria 19.15.29					
Depth to Groundwater (Appendix A)	Constituent & Limits				
	Chlorides	Total TPH	GRO+DRO	BTEX	Benzene
<50' (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

A Topographic Map can be found in Figure 2.

Release Information

NAB1729752650: On October 7, 2017, the supply gas line was opened to start the flare, the line had fluid built up inside of it that was expelled from the flare causing the flare and trailer to catch on fire. The gas supply was immediately shut off and the fire was put with a fire extinguisher. Approximately ¼-bbl lost out of the line. 0-bbls recovered due to fire. All fluid stayed on the location. An environmental contractor will be contacted to assist with the delineation and remediation of the well pad surface.

Site Assessment

On December 12, 2022, Pima Environmental conducted a site assessment and obtained composite soil samples from the spill area around the flare. The laboratory results of this sampling event can be found in the following data table.

12-12-22 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY - RIGEL 20 FED COM #3H								
Date: 12/12/2022		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
FS 1 Comp	1'	ND	ND	ND	ND	ND	0	ND
FS 2 Comp	1'	ND	ND	ND	ND	ND	0	ND
FS 3 Comp	1'	ND	ND	ND	ND	ND	0	ND
FS 4 Comp	1'	ND	ND	ND	ND	ND	0	ND

ND – Analyte Not Detected

Complete Laboratory Reports can be found in Appendix E.

Remediation Activities

Based on the sample data collected, all results are under the regulatory requirements according to Table 1 of 19.15.29 NMAC.

Closure Request

After careful review, Pima requests that this incident, NAB1729752650 be closed. Devon has complied with the applicable closure requirements.

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

Attachments

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

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

Pima Environmental Services

Figures:

1 - Location Map

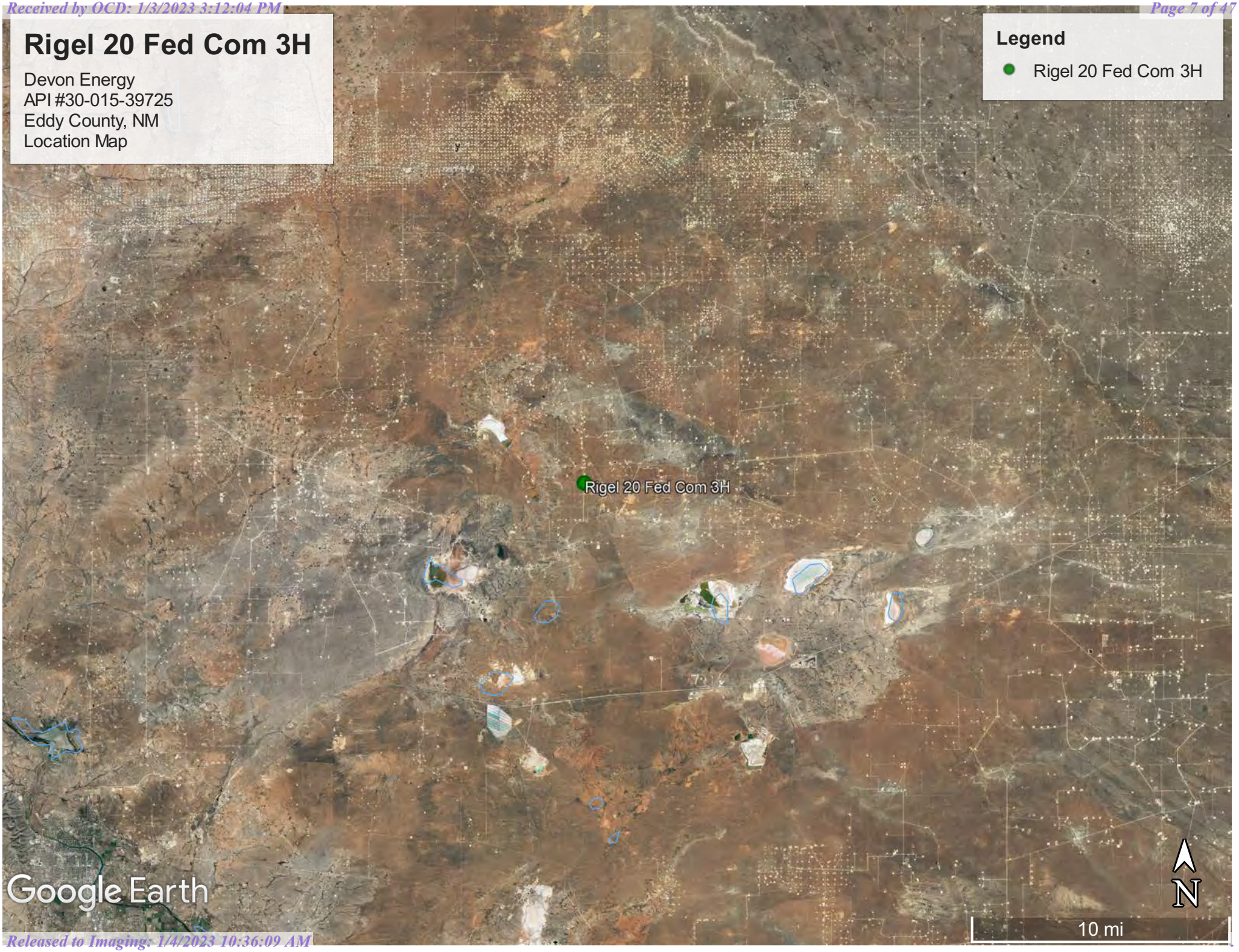
2 - Topographic Map

3 - Karst Map

4 - Site Map

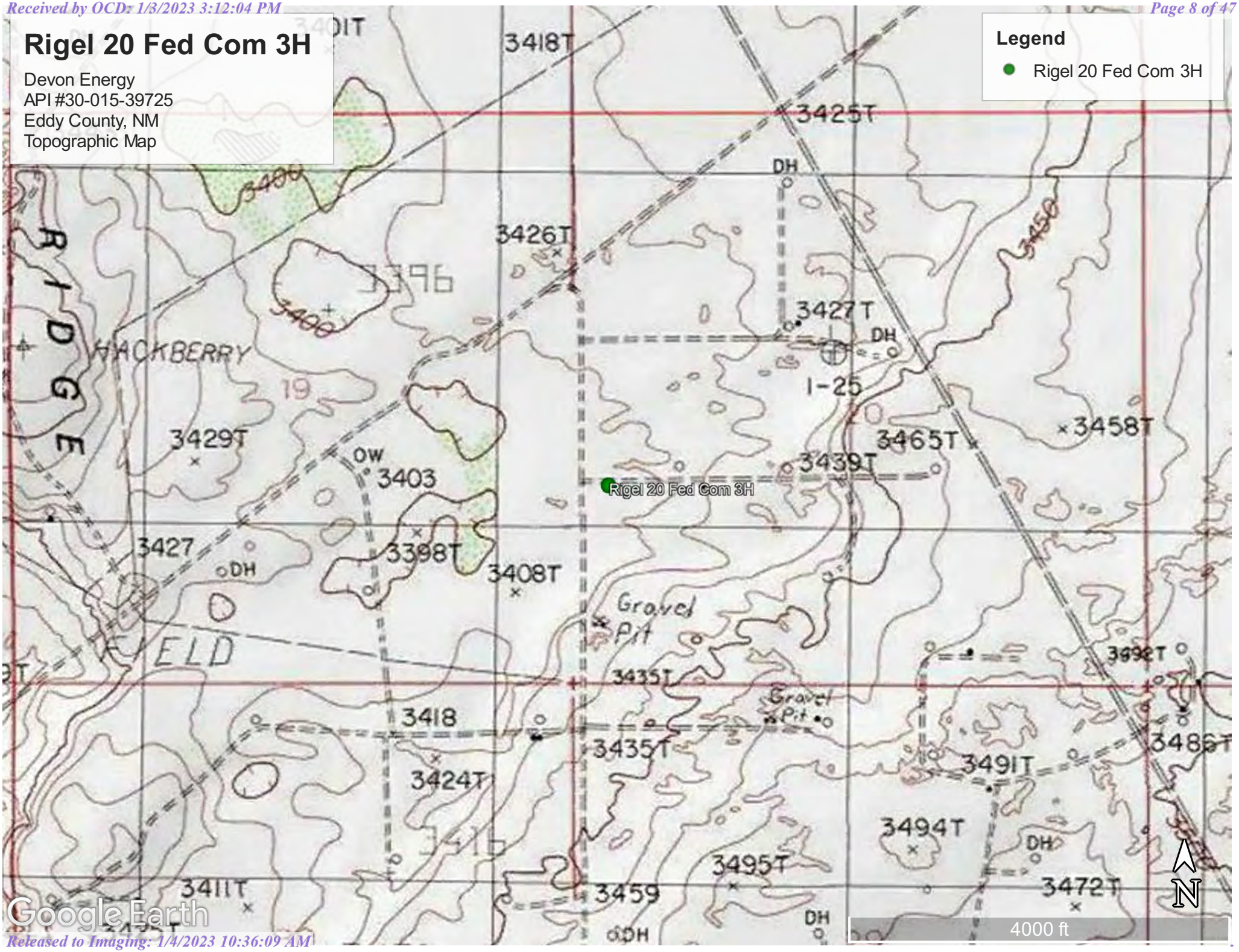
Rigel 20 Fed Com 3H

Devon Energy
API #30-015-39725
Eddy County, NM
Location Map



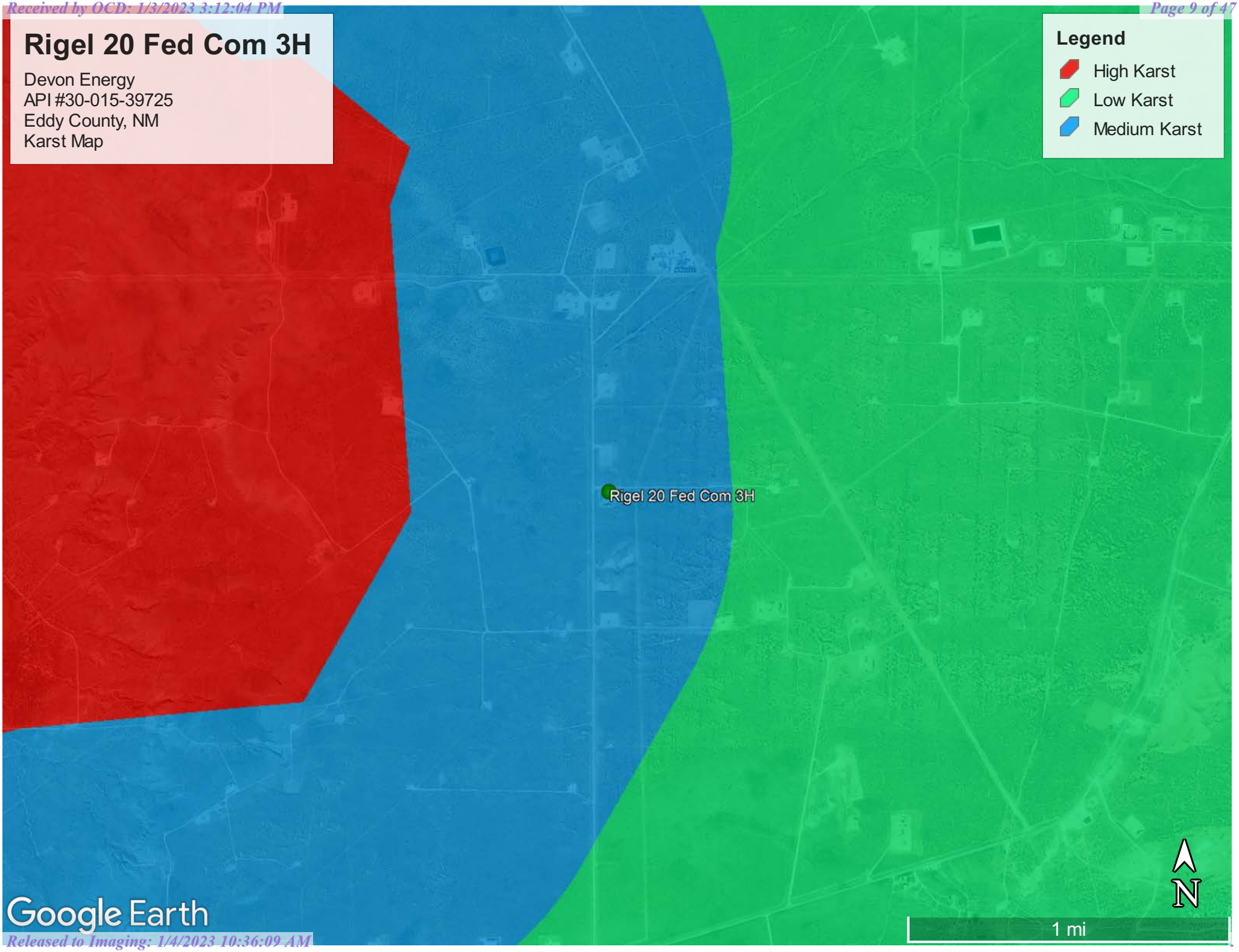
Rigel 20 Fed Com 3H

Devon Energy
API #30-015-39725
Eddy County, NM
Topographic Map



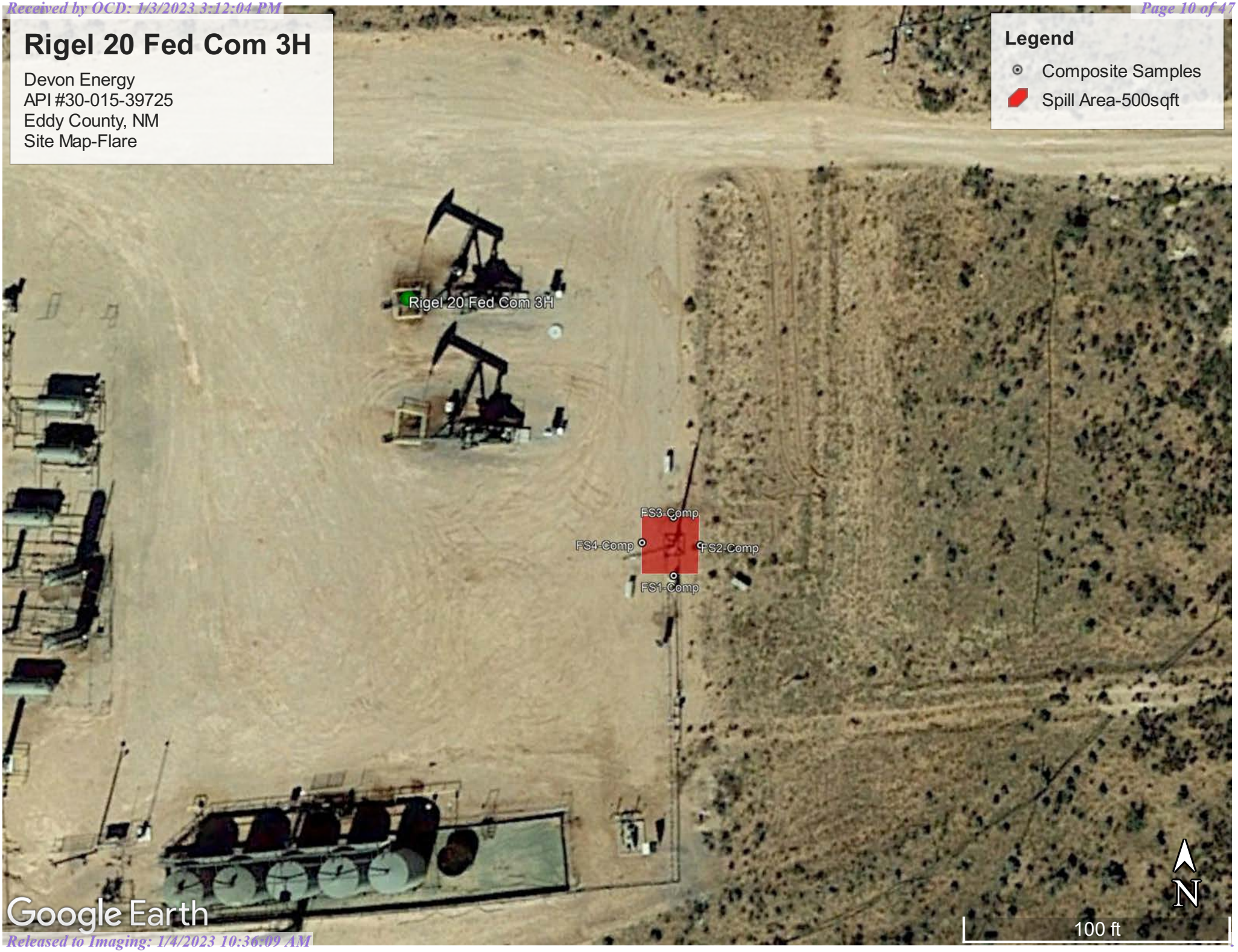
Rigel 20 Fed Com 3H

Devon Energy
API #30-015-39725
Eddy County, NM
Karst Map



Rigel 20 Fed Com 3H

Devon Energy
API #30-015-39725
Eddy County, NM
Site Map-Flare



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	Depth Well	Depth Water	Water Column
CP 00873 POD1		CP	LE		1	1	19	19S	31E	601772	3613147*	1719	340	180	160
CP 00725 POD1		CP	ED	1	3	3	28	19S	31E	604906	3610473*	2457	231		
CP 00357 POD1		CP	ED	4	4	1	24	19S	30E	600667	3612631*	2626	630		
CP 00722 POD1		CP	LE	4	3	3	28	19S	31E	605106	3610273*	2739	200		
CP 00722 POD1	R	CP	LE	4	3	3	28	19S	31E	605106	3610273*	2739	200		
CP 00723 POD1		CP	ED	2	1	1	33	19S	31E	605111	3610071*	2896	139		
CP 00357 POD2		CP	ED	4	3	1	24	19S	30E	600265	3612627*	3025	630		
CP 00722 POD2		CP	ED	2	1	1	25	19S	30E	600276	3611620*	3076	350	65	285
CP 00829 POD1		CP	LE		2	4	16	19S	31E	606165	3614009*	3353	120		
CP 00722 POD3		CP	LE	2	4	1	33	19S	31E	605519	3609673*	3463	220	140	80

Average Depth to Water: **128 feet**
Minimum Depth: **65 feet**
Maximum Depth: **180 feet**

Record Count: 10

UTMNAD83 Radius Search (in meters):

Easting (X): 603273.76 **Northing (Y):** 3612309.82 **Radius:** 4000

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

6/30/22 3:23 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

National Water Information System: Web Interface

USGS Water Resources

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

Click to hideNews Bulletins

- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

site_no list =

- 323810103554201

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

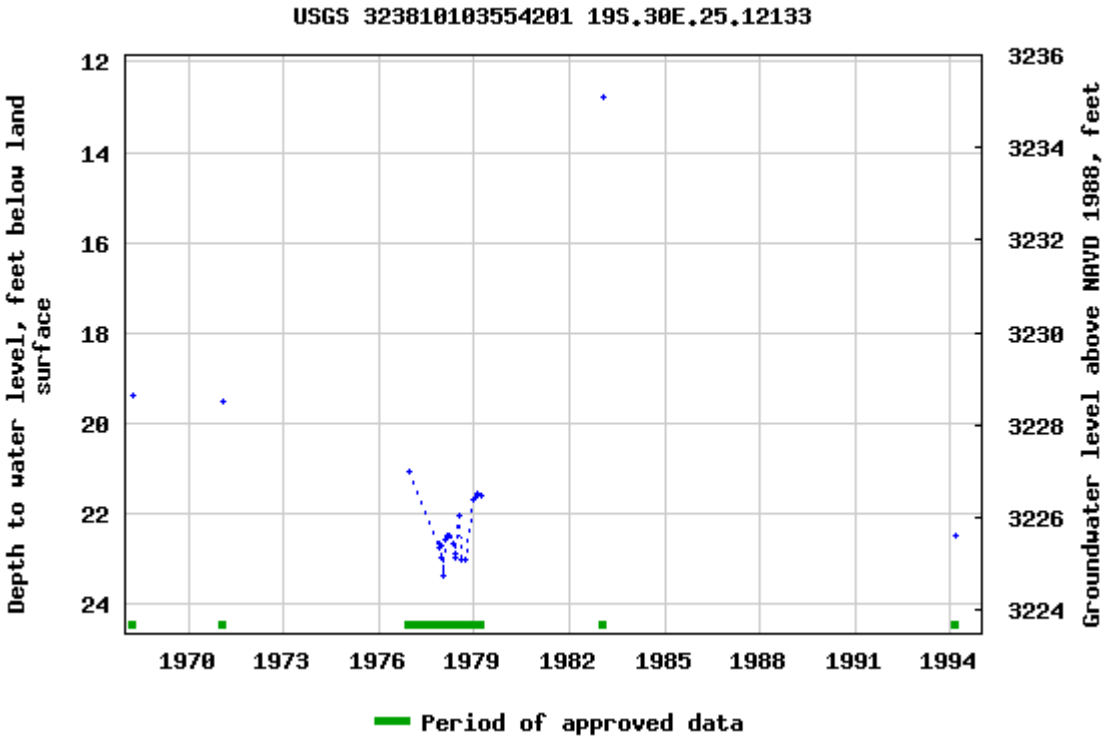
USGS 323810103554201 19S.30E.25.12133

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.
Download a presentation-quality graph

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

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

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2022-06-30 16:47:11 EDT
0.7 0.63 nadww01

Rigel 20 Fed Com 3H

Devon Energy
API #30-015-39725
Eddy County, NM
Surface Water Map

Pima Environmental Services

Appendix B

Soil Survey & Geological Data

FEMA Flood Map

Wetlands Map

Eddy Area, New Mexico

KM—Kermit-Berino fine sands, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w4q
Elevation: 3,100 to 4,200 feet
Mean annual precipitation: 10 to 14 inches
Mean annual air temperature: 60 to 64 degrees F
Frost-free period: 190 to 230 days
Farmland classification: Not prime farmland

Map Unit Composition

Kermit and similar soils: 50 percent
Berino and similar soils: 35 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Kermit

Setting

Landform: Plains, alluvial fans
Landform position (three-dimensional): Talf, rise
Down-slope shape: Convex, linear
Across-slope shape: Linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 7 inches: fine sand
H2 - 7 to 60 inches: fine sand

Properties and qualities

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

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: A
Ecological site: R070BD005NM - Deep Sand
Hydric soil rating: No

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 17 inches: fine sand
H2 - 17 to 50 inches: fine sandy loam
H3 - 50 to 58 inches: loamy sand

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 7.2 inches)

Interpretive groups

Land capability classification (irrigated): 4e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Active dune land

Percent of map unit: 15 percent
Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 18, Sep 8, 2022

National Flood Hazard Layer FIRMette

FEMA

103°54'15"W 32°38'52"N

103°53'37"W 32°38'21"N

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

1:6,000

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

Legend

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

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

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

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

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

OTHER FEATURES
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

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

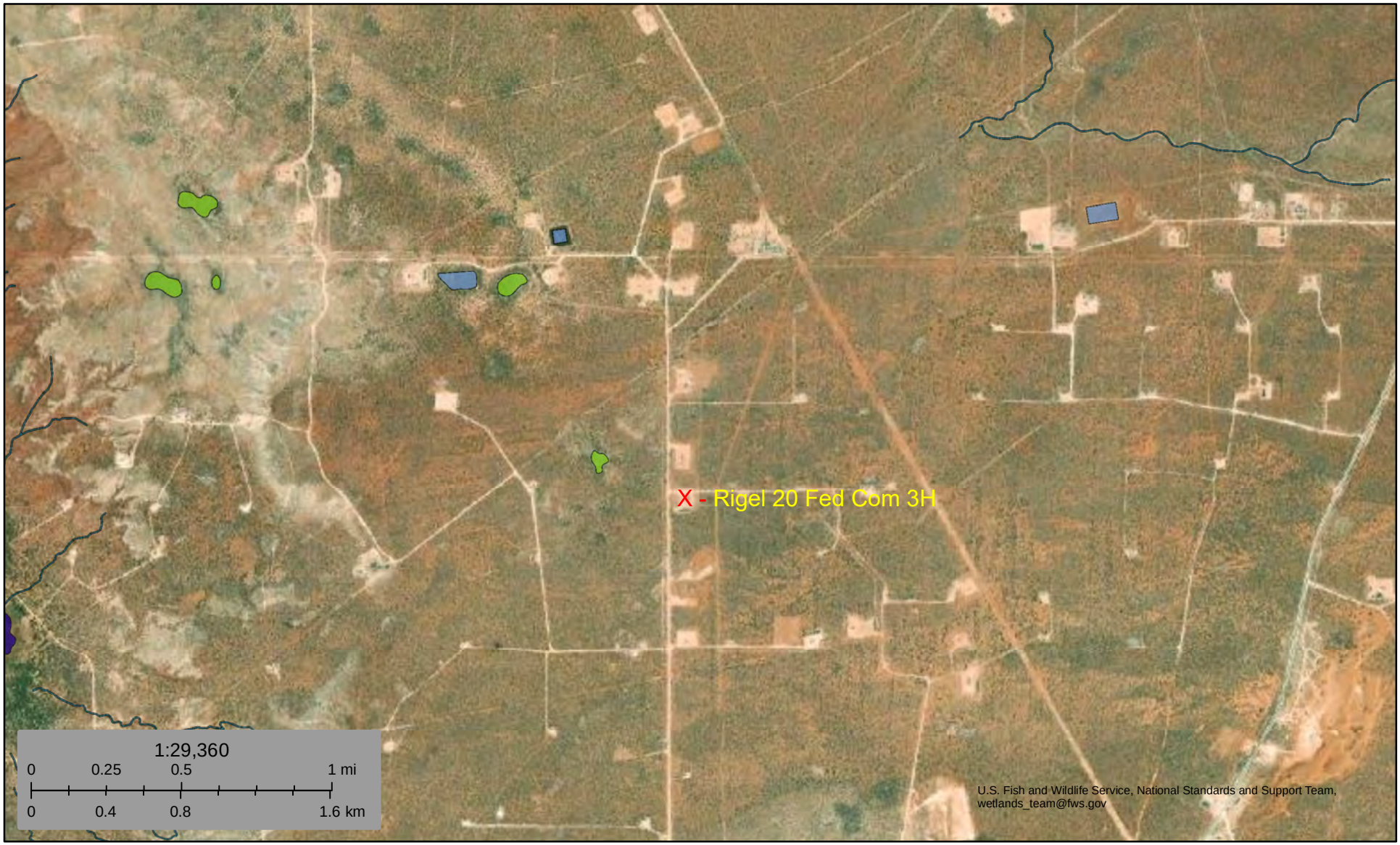
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 12/13/2022 at 12:43 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.

U.S. Fish and Wildlife Service
National Wetlands Inventory

Wetlands Map



December 13, 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.

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

Pima Environmental Services

Appendix C

C-141 Form

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

State of New Mexico
Energy Minerals and Natural Resources

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

NM OIL CONSERVATION
ARTESIA DISTRICT
OCT 20 2017
RECEIVED

Form C-141
Revised April 3, 2017
Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

nAB1728752650 OGRID#6137 OPERATOR ☒ Initial Report ☐ Final Report

Name of Company Devon Energy Production Company	Contact Wesley Ryan, Production Foreman
Address 6488 Seven Rivers Hwy Artesia, NM 88210	Telephone No. 575-748-0177
Facility Name Rigel 20 Fed Com 3H	Facility Type Oil

Surface Owner Federal	Mineral Owner Federal	API No. 30-015-39725

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
L	20	19S	31E	1800'	FSL	330'	FWL	Eddy

Latitude 32.6435814 **Longitude** -103.8989868 NAD83

NATURE OF RELEASE

Type of Release Oil	Volume of Release .25bbl	Volume Recovered 0bbls
Source of Release Gas Line going to Flare	Date and Hour of Occurrence October 7, 2017 @ 2:00 PM	Date and Hour of Discovery October 7, 2017 @ 2:00 PM
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Shelly Tucker, BLM Crystal Weaver, OCD	
By Whom? Mike Shoemaker, EHS Representative	Date and Hour October 11, 2017 @ 4:20 PM Shelly Tucker, BLM October 11, 2017 @ 4:43 PM Crystal Weaver & Mike Bratcher, OCD	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. N/A	

If a Watercourse was Impacted, Describe Fully.*
N/A

Immediate notification timeframe is not in compliance with Regs

Describe Cause of Problem and Remedial Action Taken.*
The supply gas line was opened to start the flare, the line had fluid built up inside of it that was expelled from the flare causing the flare and trailer to catch on fire. The gas supply was immediately shut off and the fire was put out with a fire extinguisher.

Describe Area Affected and Cleanup Action Taken.*
Approximately 1/4bbl lost out of the line. 0bbls recovered due to fire. All fluid stayed on the location. An environmental contractor will be contacted to assist with the delineation and remediation of the well pad surface.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature: Sheila Fisher
Printed Name: Sheila Fisher
Title: Field Admin Support
E-mail Address: Sheila.Fisher@dvn.com
Date: 10/11/17 Phone: 575.748.1829

OIL CONSERVATION DIVISION

Approved by Environmental Specialist: Crystal Weaver

Approval Date: 10/24/17 Expiration Date: N/A

Conditions of Approval: see attached

Attached ☒ 2RP-4452

Attach Additional Sheets If Necessary

10/24/17 AB

State of New Mexico
Oil Conservation Division

Incident ID	NAB1729752650
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?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

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

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

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

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

State of New Mexico
Oil Conservation Division

Incident ID	NAB1729752650
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: EHS Professional

Signature: Dale Woodall Date: 1/3/2023

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

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	NAB1729752650
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: EHS Professional

Signature: Dale Woodall Date: 1/3/2023

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: _____

Pima Environmental Services

Appendix D

Photographic Documentation

Pima Environmental Services

Appendix E

Laboratory Reports

Report to:

Tom Bynum

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name:	Rigel 20 Fed Com 3H
Work Order:	E212078
Job Number:	01058-0007
Received:	12/14/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/19/22

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

Date Reported: 12/19/22

Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Rigel 20 Fed Com 3H
Workorder: E212078
Date Received: 12/14/2022 10:45:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/14/2022 10:45:00AM, under the Project Name: Rigel 20 Fed Com 3H.

The analytical test results summarized in this report with the Project Name: Rigel 20 Fed Com 3H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Rigel 20 Fed Com 3H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/19/22 09:30

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS1 Comp 1'	E212078-01A	Soil	12/12/22	12/14/22	Glass Jar, 2 oz.
FS2 Comp 1'	E212078-02A	Soil	12/12/22	12/14/22	Glass Jar, 2 oz.
FS3 Comp 1'	E212078-03A	Soil	12/12/22	12/14/22	Glass Jar, 2 oz.
FS4 Comp 1'	E212078-04A	Soil	12/12/22	12/14/22	Glass Jar, 2 oz.

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Rigel 20 Fed Com 3H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/19/2022 9:30:03AM

FS1 Comp 1'

E212078-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2251041
Benzene	ND	0.0250	1	12/14/22	12/15/22	
Ethylbenzene	ND	0.0250	1	12/14/22	12/15/22	
Toluene	ND	0.0250	1	12/14/22	12/15/22	
o-Xylene	ND	0.0250	1	12/14/22	12/15/22	
p,m-Xylene	ND	0.0500	1	12/14/22	12/15/22	
Total Xylenes	ND	0.0250	1	12/14/22	12/15/22	
Surrogate: Bromofluorobenzene		*98.0 %*	*70-130*	*12/14/22*	*12/15/22*	
Surrogate: 1,2-Dichloroethane-d4		*96.2 %*	*70-130*	*12/14/22*	*12/15/22*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*12/14/22*	*12/15/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2251041
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/14/22	12/15/22	
Surrogate: Bromofluorobenzene		*98.0 %*	*70-130*	*12/14/22*	*12/15/22*	
Surrogate: 1,2-Dichloroethane-d4		*96.2 %*	*70-130*	*12/14/22*	*12/15/22*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*12/14/22*	*12/15/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2251069
Diesel Range Organics (C10-C28)	ND	25.0	1	12/15/22	12/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/15/22	12/15/22	
Surrogate: n-Nonane		*105 %*	*50-200*	*12/15/22*	*12/15/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2251050
Chloride	ND	20.0	1	12/14/22	12/15/22	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Rigel 20 Fed Com 3H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/19/2022 9:30:03AM

FS2 Comp 1'

E212078-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2251041
Benzene	ND	0.0250	1	12/14/22	12/15/22	
Ethylbenzene	ND	0.0250	1	12/14/22	12/15/22	
Toluene	ND	0.0250	1	12/14/22	12/15/22	
o-Xylene	ND	0.0250	1	12/14/22	12/15/22	
p,m-Xylene	ND	0.0500	1	12/14/22	12/15/22	
Total Xylenes	ND	0.0250	1	12/14/22	12/15/22	
Surrogate: Bromofluorobenzene		*98.0 %*	*70-130*	*12/14/22*	*12/15/22*	
Surrogate: 1,2-Dichloroethane-d4		*96.5 %*	*70-130*	*12/14/22*	*12/15/22*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*12/14/22*	*12/15/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2251041
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/14/22	12/15/22	
Surrogate: Bromofluorobenzene		*98.0 %*	*70-130*	*12/14/22*	*12/15/22*	
Surrogate: 1,2-Dichloroethane-d4		*96.5 %*	*70-130*	*12/14/22*	*12/15/22*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*12/14/22*	*12/15/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2251069
Diesel Range Organics (C10-C28)	ND	25.0	1	12/15/22	12/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/15/22	12/15/22	
Surrogate: n-Nonane		*101 %*	*50-200*	*12/15/22*	*12/15/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2251050
Chloride	ND	20.0	1	12/14/22	12/15/22	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Rigel 20 Fed Com 3H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/19/2022 9:30:03AM

FS3 Comp 1'

E212078-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2251041
Benzene	ND	0.0250	1	12/14/22	12/15/22	
Ethylbenzene	ND	0.0250	1	12/14/22	12/15/22	
Toluene	ND	0.0250	1	12/14/22	12/15/22	
o-Xylene	ND	0.0250	1	12/14/22	12/15/22	
p,m-Xylene	ND	0.0500	1	12/14/22	12/15/22	
Total Xylenes	ND	0.0250	1	12/14/22	12/15/22	
Surrogate: Bromofluorobenzene		*98.8 %*	*70-130*	*12/14/22*	*12/15/22*	
Surrogate: 1,2-Dichloroethane-d4		*98.7 %*	*70-130*	*12/14/22*	*12/15/22*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*12/14/22*	*12/15/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2251041
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/14/22	12/15/22	
Surrogate: Bromofluorobenzene		*98.8 %*	*70-130*	*12/14/22*	*12/15/22*	
Surrogate: 1,2-Dichloroethane-d4		*98.7 %*	*70-130*	*12/14/22*	*12/15/22*	
Surrogate: Toluene-d8		*103 %*	*70-130*	*12/14/22*	*12/15/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2251069
Diesel Range Organics (C10-C28)	ND	25.0	1	12/15/22	12/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/15/22	12/15/22	
Surrogate: n-Nonane		*102 %*	*50-200*	*12/15/22*	*12/15/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2251050
Chloride	ND	20.0	1	12/14/22	12/15/22	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Rigel 20 Fed Com 3H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/19/2022 9:30:03AM

FS4 Comp 1'

E212078-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2251041
Benzene	ND	0.0250	1	12/14/22	12/15/22	
Ethylbenzene	ND	0.0250	1	12/14/22	12/15/22	
Toluene	ND	0.0250	1	12/14/22	12/15/22	
o-Xylene	ND	0.0250	1	12/14/22	12/15/22	
p,m-Xylene	ND	0.0500	1	12/14/22	12/15/22	
Total Xylenes	ND	0.0250	1	12/14/22	12/15/22	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*12/14/22*	*12/15/22*	
Surrogate: 1,2-Dichloroethane-d4		*96.7 %*	*70-130*	*12/14/22*	*12/15/22*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*12/14/22*	*12/15/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2251041
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/14/22	12/15/22	
Surrogate: Bromofluorobenzene		*101 %*	*70-130*	*12/14/22*	*12/15/22*	
Surrogate: 1,2-Dichloroethane-d4		*96.7 %*	*70-130*	*12/14/22*	*12/15/22*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*12/14/22*	*12/15/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2251069
Diesel Range Organics (C10-C28)	ND	25.0	1	12/15/22	12/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/15/22	12/16/22	
Surrogate: n-Nonane		*101 %*	*50-200*	*12/15/22*	*12/16/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2251050
Chloride	ND	20.0	1	12/14/22	12/15/22	

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rigel 20 Fed Com 3H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/19/2022 9:30:03AM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2251041-BLK1)									Prepared: 12/14/22 Analyzed: 12/14/22
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	*0.500*		*0.500*		*99.9*	*70-130*			
Surrogate: Toluene-d8	*0.524*		*0.500*		*105*	*70-130*			
LCS (2251041-BS1)									Prepared: 12/14/22 Analyzed: 12/14/22
Benzene	2.38	0.0250	2.50		95.2	70-130			
Ethylbenzene	2.48	0.0250	2.50		99.1	70-130			
Toluene	2.44	0.0250	2.50		97.7	70-130			
o-Xylene	2.35	0.0250	2.50		93.9	70-130			
p,m-Xylene	4.67	0.0500	5.00		93.4	70-130			
Total Xylenes	7.02	0.0250	7.50		93.6	70-130			
Surrogate: Bromofluorobenzene	*0.512*		*0.500*		*102*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.495*		*0.500*		*99.0*	*70-130*			
Surrogate: Toluene-d8	*0.519*		*0.500*		*104*	*70-130*			
LCS Dup (2251041-BSD1)									Prepared: 12/14/22 Analyzed: 12/14/22
Benzene	2.59	0.0250	2.50		104	70-130	8.51	23	
Ethylbenzene	2.67	0.0250	2.50		107	70-130	7.39	27	
Toluene	2.61	0.0250	2.50		104	70-130	6.50	24	
o-Xylene	2.53	0.0250	2.50		101	70-130	7.30	27	
p,m-Xylene	5.05	0.0500	5.00		101	70-130	7.70	27	
Total Xylenes	7.57	0.0250	7.50		101	70-130	7.57	27	
Surrogate: Bromofluorobenzene	*0.499*		*0.500*		*99.7*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.488*		*0.500*		*97.6*	*70-130*			
Surrogate: Toluene-d8	*0.517*		*0.500*		*103*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rigel 20 Fed Com 3H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/19/2022 9:30:03AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2251041-BLK1)									Prepared: 12/14/22 Analyzed: 12/14/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.506*		*0.500*		*101*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.500*		*0.500*		*99.9*	*70-130*			
Surrogate: Toluene-d8	*0.524*		*0.500*		*105*	*70-130*			
LCS (2251041-BS2)									Prepared: 12/14/22 Analyzed: 12/14/22
Gasoline Range Organics (C6-C10)	52.6	20.0	50.0		105	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	*0.513*		*0.500*		*103*	*70-130*			
LCS Dup (2251041-BSD2)									Prepared: 12/14/22 Analyzed: 12/14/22
Gasoline Range Organics (C6-C10)	58.5	20.0	50.0		117	70-130	10.7	20	
Surrogate: Bromofluorobenzene	*0.500*		*0.500*		*100*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.470*		*0.500*		*93.9*	*70-130*			
Surrogate: Toluene-d8	*0.528*		*0.500*		*106*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rigel 20 Fed Com 3H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/19/2022 9:30:03AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2251069-BLK1)									Prepared: 12/15/22 Analyzed: 12/15/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*48.4*		*50.0*		*96.8*	*50-200*			
LCS (2251069-BS1)									Prepared: 12/15/22 Analyzed: 12/15/22
Diesel Range Organics (C10-C28)	219	25.0	250		87.7	38-132			
Surrogate: n-Nonane	*49.8*		*50.0*		*99.6*	*50-200*			
Matrix Spike (2251069-MS1)				**Source: E212076-03**					Prepared: 12/15/22 Analyzed: 12/15/22
Diesel Range Organics (C10-C28)	234	25.0	250	ND	93.8	38-132			
Surrogate: n-Nonane	*48.4*		*50.0*		*96.9*	*50-200*			
Matrix Spike Dup (2251069-MSD1)				**Source: E212076-03**					Prepared: 12/15/22 Analyzed: 12/15/22
Diesel Range Organics (C10-C28)	226	25.0	250	ND	90.3	38-132	3.75	20	
Surrogate: n-Nonane	*46.8*		*50.0*		*93.5*	*50-200*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rigel 20 Fed Com 3H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/19/2022 9:30:03AM

Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2251050-BLK1)									Prepared: 12/14/22 Analyzed: 12/15/22
Chloride	ND	20.0							
LCS (2251050-BS1)									Prepared: 12/14/22 Analyzed: 12/15/22
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2251050-MS1)				**Source: E212077-01**					Prepared: 12/14/22 Analyzed: 12/15/22
Chloride	258	20.0	250	ND	103	80-120			
Matrix Spike Dup (2251050-MSD1)				**Source: E212077-01**					Prepared: 12/14/22 Analyzed: 12/15/22
Chloride	257	20.0	250	ND	103	80-120	0.351	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 3H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/19/22 09:30

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

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

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

Project Information | Chain of Custody | Page 1 of 1

Client: Pima Environmental Services	Bill To
Project: Rigel 20 Fed Com 3H	Attention: Devon Energy
Project Manager: Tom Bynum	Address:
Address: 1601 N Turner St., Suite 500	City, State, Zip
City, State, Zip Hobbs, NM, 88240	Phone:
Phone: 580-748-1613	Email:
Email: tom@pimaoil.com	Pima Project # 1-166
Report due by:	

Lab Use Only: Lab WO# E212078 | Job Number 01058-0007

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

EPA Program: CWA | SDWA | RCRA

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

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

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	BGDOC NM	Remarks
8:00	12/12/22	S	1	FS1 Comp 1'	1	X	
8:05	"	"	"	FS2 Comp 1'	2	"	
8:10	"	"	"	FS3 Comp 1'	3	"	
8:15	"	"	"	FS4 Comp 1'	4	"	

Additional Instructions: Bill To Devon Energy: # 20868758

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Ned Rogers	12-13-22	2:00	Michelle Cuyat	12-13-22	1400
Michelle Cuyat	12-13-22	1600	Caitlin Christian	12/14/22	10:45

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

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

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

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 12/14/2022 12:02:20PM

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:	12/14/22 10:45	Work Order ID:	E212078
Phone:	(575) 631-6977	Date Logged In:	12/14/22 09:27	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	12/21/22 17:00 (5 day TAT)		

Chain of Custody (COC)

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 171944

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 171944
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	None	1/4/2023