

Incident ID	nAPP2325759516
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?	>55 (ft bgs)
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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 <b>not</b> 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.

State of New Mexico  
Oil Conservation Division

Page 4

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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: Environmental Professional

Signature: *Dale Woodall* Date: 11/3/2023

email: Dale.Woodall@dvn.com Telephone: 575-748-1838

**OCD Only**

Received by: Shelly Wells Date: 11/3/2023

Incident ID	nAPP2325759516
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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: Environmental Professional  
 Signature: Dale Woodall Date: 11/3/2023  
 email: Dale.Woodall@dvn.com Telephone: 575-748-1838

**OCD Only**

Received by: Shelly Wells Date: 11/3/2023

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: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_



October 23, 2023

Devon Energy Production Company, LP  
33 West Sheridan Ave.  
Oklahoma City, OK 73102

Attn: New Mexico Oil Conservation District  
1220 S. St. Francis Drive  
Santa Fe, NM 87505

Re: Notice of Liner Inspection  
Rigel 20 Fed Com 3H  
NMCOD Incident Number: nAPP2325759516  
32.6435914 °, -103.8989868°  
Eddy County, New Mexico  
Terracon Project No. KH237043

On October 18, 2023, Devon Energy Production Company, LP (Devon), contracted Terracon Consultants, Inc. (Terracon) to conduct a Broad Scope Visual assessment and Liner Inspection associated with a release of a reportable quantity of produced water within the lined secondary containment at the Rigel 20 Fed Com 3H (nAPP2325759516) site. The New Mexico Oil Conservation District (NMOCD) was notified of the release on September 14, 2023, according to the submitted C-141 form. Terracon personnel were informed that a release of 19 barrels (bbls) of produced water had occurred within secondary containment had at the site, and that Devon had recovered a total of 19 bbls. Surface ownership is held by Bureau of **Regulatory Criteria** Land Management (BLM).

The nearest groundwater elevation data was obtained from the New Mexico Office of the State Engineer (NMOSE). The website identified indicated an exploration well 0.4 miles north CP-01943. Data shows a depth to groundwater was measured to be greater than 55 feet below grade surface (bgs). Review of geospatial data obtained from the BLM Carlsbad Field Office (CFO) website indicated that the site is within an area of medium risk for karst formations. Per New Mexico Administrative Code (NMAC) 19.15.29.12, remediation and closure criteria for a depth to groundwater of 51-100 feet was utilized for this release.

**Notice Documentation**

Rigel 20 Fed Com 3H

Liner Inspection ■ Eddy County, New Mexico

October 23, 2023 ■ Terracon Project No. KH237043



**Remedial Activities**

On September 14, 2023, Devon conducted recovery activities of the release, recovering 19 bbls of the 19 bbls released. Terracon mobilized to the site on October 19, 2023, to conduct an initial broad scope visual assessment and conduct the Liner Inspection.

**Conclusion**

In accordance with NMOCD 19.15.29.11.5a, the integrity of the battery containment liner is visually observed to be intact with no tears. Based on the volume of recovered fluids, lack of evidence of the release exiting the containment, and the observed integrity of the liner based on visual inspection, Terracon, and Devon requests concurrence of closure of the Rigel 20 Fed Com 3H – incident number nAPP2325759516.

Should you have any questions, please contact the undersigned at (806) 507-7057.

Sincerely,

**Terracon**

Prepared by:

A handwritten signature in black ink, appearing to read "Travis Casey".

Travis Casey  
Senior Staff Scientist  
Carlsbad

Reviewed by:

A handwritten signature in blue ink, appearing to read "Erin Loyd".

Erin Loyd  
Senior Principal  
Office Manager - Lubbock

Responsive ■ Resourceful ■ Reliable

**Notice Documentation**

Rigel 20 Fed Com 3H

Liner Inspection ■ Eddy County, New Mexico

October 23, 2023 ■ Terracon Project No. KH237043



**Attachments**

**Appendix A – Exhibits**

Exhibit 1 – Site Map

Exhibit 2 – NMOSE POD Location Map

Exhibit 3 – Cave Karst Public UCP Map

Exhibit 4 – Photographic Log

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## **APPENDIX A – EXHIBITS**



DATA SOURCES: Bing Feet



 Site Boundary

Project No.:	KH237043
Date:	Oct 19 2023
Drawn By:	JWL
Reviewed By:	JRG



4526 W Pierce St  
Carlsbad, NM

---

PH. 806-300-0140      terracon.com

**Site Location Map**

Rigel 20 Fed Com 3H  
32.6435914°, -103.8989868°  
Eddy County, New Mexico

**Exhibit**

**1**

C:\GIS\Projects\KH237043 - Rigel 20 Fed\Maps\KH237043 - Rigel 20 Fed.aprx



# New Mexico Office of the State Engineer

## Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE)				(NAD83 UTM in meters)			
		(quarters are smallest to largest)				X	Y		
NA	CP 01943 POD1	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
		1	3	1	20	19S	31E	603217	3612883

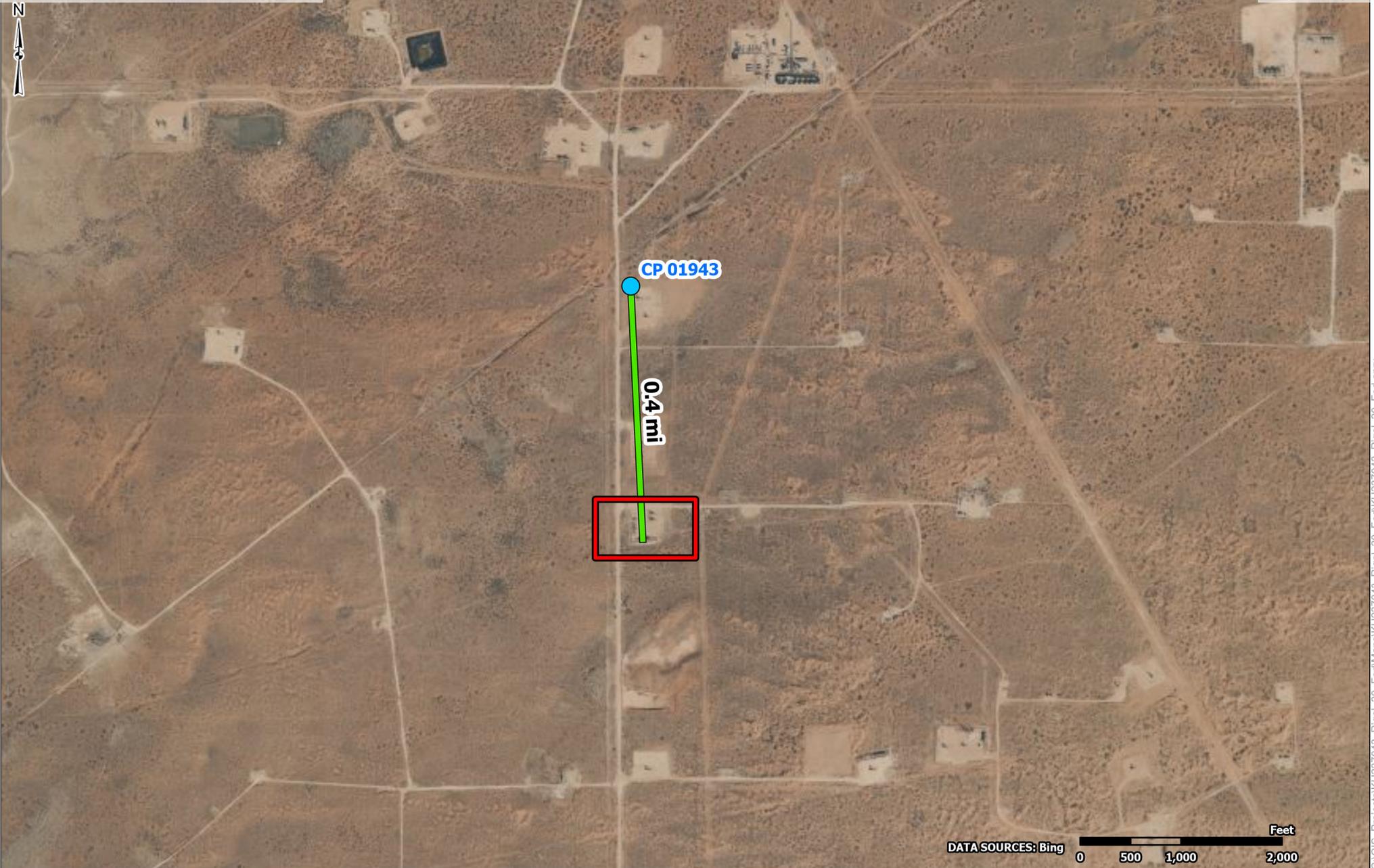
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<b>Driller License:</b> 1249	<b>Driller Company:</b> ATKINS ENGINEERING ASSOC. INC.	
<b>Driller Name:</b> JACKIE D ATKINS		
<b>Drill Start Date:</b> 04/06/2023	<b>Drill Finish Date:</b> 04/09/2023	<b>Plug Date:</b> 04/18/2023
<b>Log File Date:</b> 04/27/2023	<b>PCW Rcv Date:</b>	<b>Source:</b>
<b>Pump Type:</b>	<b>Pipe Discharge Size:</b>	<b>Estimated Yield:</b>
<b>Casing Size:</b>	<b>Depth Well:</b> 55 feet	<b>Depth Water:</b>

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.

10/23/23 8:34 AM

POINT OF DIVERSION SUMMARY



-  Site Boundary
-  NMOSE POD Location

Project No.:  
KH237043

Date:  
Oct 23 2023

Drawn By:  
JWL

Reviewed By:  
JRG



4526 W Pierce St  
Carlsbad, NM

PH. 806-300-0140      terracon.com

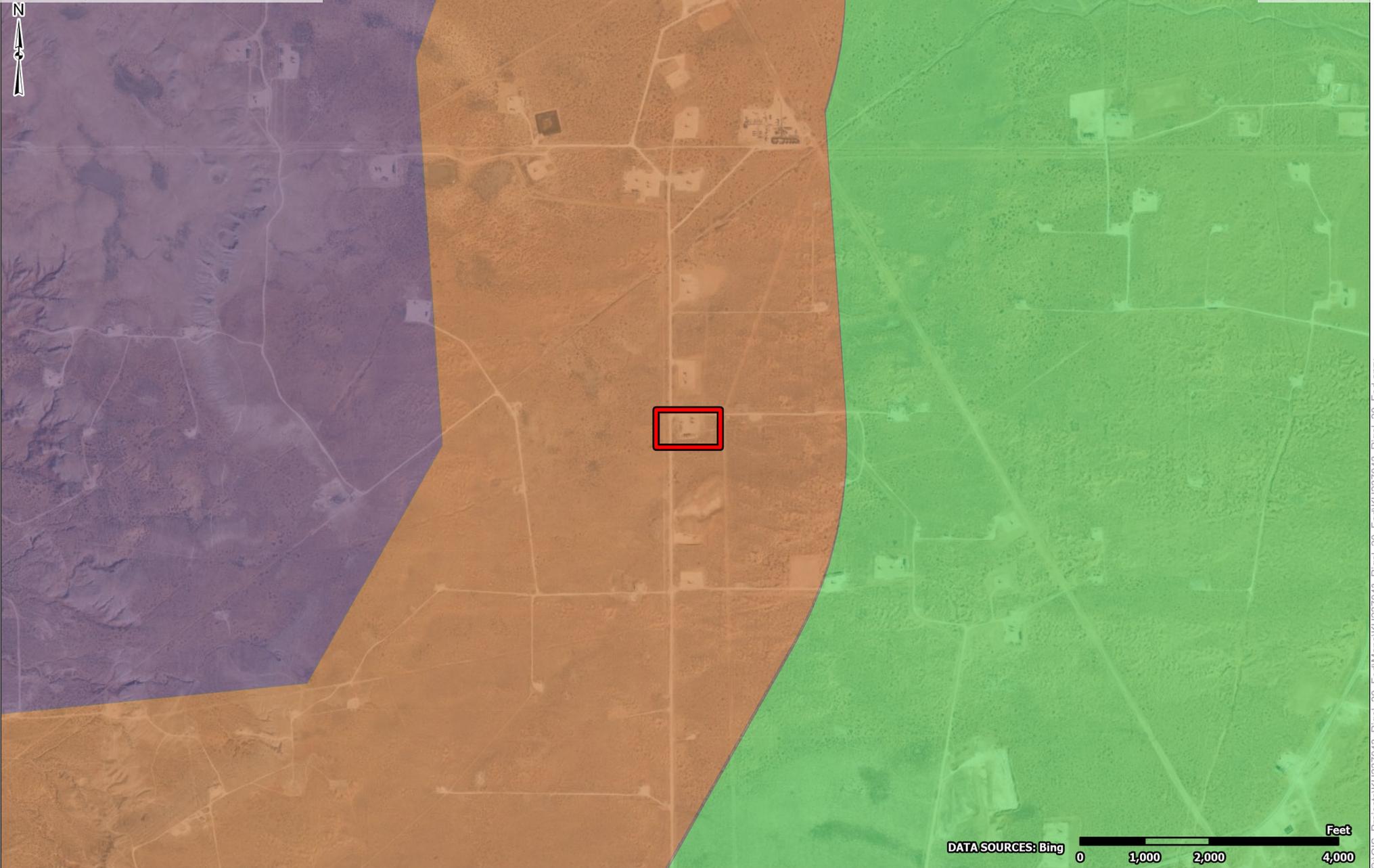
**NMOSE POD Location Map**

Rigel 20 Fed Com 3H  
32.6435914°, -103.8989868°  
Eddy County, New Mexico

**Exhibit**

**2**

C:\GIS - Projects\KH237043 - Rigel 20 Fed\Maps\KH237043 - Rigel 20 Fed.aprx



-  Site Boundary
- Karst Potential**
-  Low
-  Medium
-  High

Project No.:  
KH237043

Date:  
Oct 19 2023

Drawn By:  
JWL

Reviewed By:  
JRG



4526 W Pierce St  
Carlsbad, NM

---

PH. 806-300-0140      terracon.com

**Cave Karst Public UCP Map**

Rigel 20 Fed Com 3H  
32.6435914°, -103.8989868°  
Eddy County, New Mexico

**Exhibit**

**3**

Rigel 20 Fed Com 3H ■ Eddy County, New Mexico  
October 23, 2023 ■ Terracon Project No. KH237043



PHOTO 1: View of containment area north side



PHOTO 2: View of area facing west from north side

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Rigel 20 Fed Com 3H ■ Eddy County, New Mexico  
October 23, 2023 ■ Terracon Project No. KH237043

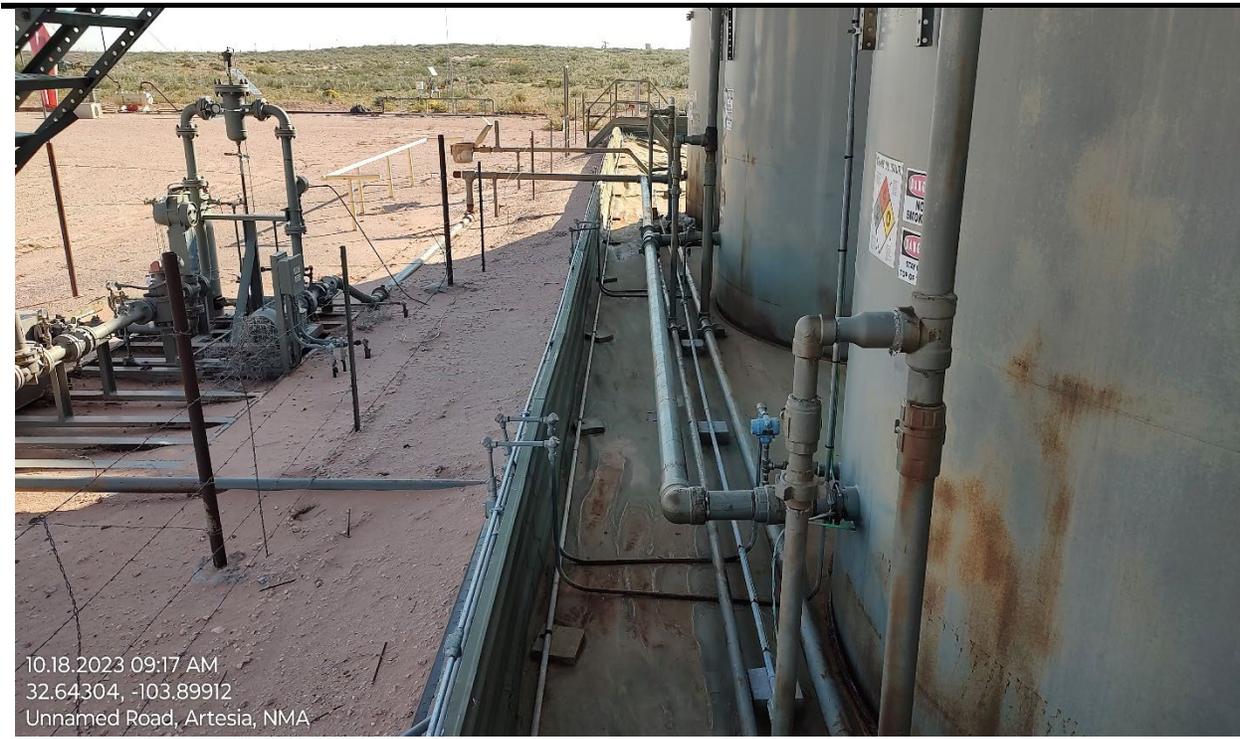


PHOTO 3: View of area facing east from the north side



PHOTO 4: View of area facing west from the south side

Responsive ■ Resourceful ■ Reliable

Rigel 20 Fed Com 3H ■ Eddy County, New Mexico  
October 23, 2023 ■ Terracon Project No. KH237043



10.18.2023 09:17 AM  
32.64296, -103.8991  
Unnamed Road, Artesia, NMA

**PHOTO 5:** View of area facing east from south side



10.18.2023 09:20 AM  
32.64304, -103.89877  
Unnamed Road, Artesia, NMA

**PHOTO 6:** View of area facing southwest for the northeast corner

Responsive ■ Resourceful ■ Reliable

Rigel 20 Fed Com 3H ■ Eddy County, New Mexico  
October 23, 2023 ■ Terracon Project No. KH237043



10.18.2023 09:23 AM  
32.64303, -103.89873  
Unnamed Road, Artesia, NMA

**PHOTO 7:** View of outside containment northeast corner facing south



10.18.2023 09:23 AM  
32.64297, -103.89873  
Unnamed Road, Artesia, NMA

**PHOTO 8:** View of outside containment southeast corner facing west

Responsive ■ Resourceful ■ Reliable

Rigel 20 Fed Com 3H ■ Eddy County, New Mexico  
October 23, 2023 ■ Terracon Project No. KH237043



10.18.2023 09:25 AM  
32.64294, -103.89919  
Unnamed Road, Artesia, NMA

**PHOTO 9:** View of outside containment southwest corner facing east



10.18.2023 09:25 AM  
32.64294, -103.89919  
Unnamed Road, Artesia, NMA

**PHOTO 10:** View of outside containment southwest corner facing north

Responsive ■ Resourceful ■ Reliable

Rigel 20 Fed Com 3H ■ Eddy County, New Mexico  
October 23, 2023 ■ Terracon Project No. KH237043



10.18.2023 09:28 AM  
32.64298, -103.89925  
Unnamed Road, Artesia, NMA

**PHOTO 11:** View of outside containment northwest corner facing east



10.18.2023 09:29 AM  
32.64304, -103.89871  
Unnamed Road, Artesia, NMA

**PHOTO 12:** View of outside containment northeast corner facing west

Responsive ■ Resourceful ■ Reliable

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Printed Name: Dale Woodall Title: Environmental Professional

Signature: *Dale Woodall* Date: 11/3/2023

email: Dale.Woodall@dvn.com Telephone: 575-748-1838

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

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Closure Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

**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 282552

**CONDITIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 282552
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAPP2325759516 RIGEL 20 FEDERAL COM #003H, thank you. This Remediation Closure Report is approved.	3/6/2024