

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?	<u>>55</u> (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
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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
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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.

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 ProfessionalSignature: *Dale Woodall* Date: 11/3/2023email: Dale.Woodall@dvn.com Telephone: 575-748-1838**OCD Only**Received by: Shelly Wells Date: 11/3/2023

Incident ID	nAPP2325759516
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: 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', written over a light blue circular background.

Travis Casey
Senior Staff Scientist
Carlsbad

Reviewed by:

A handwritten signature in blue ink, appearing to read 'Erin Loyd', written over a light blue circular background.

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


Responsive ■ Resourceful ■ Reliable

APPENDIX A – EXHIBITS



 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



New Mexico Office of the State Engineer

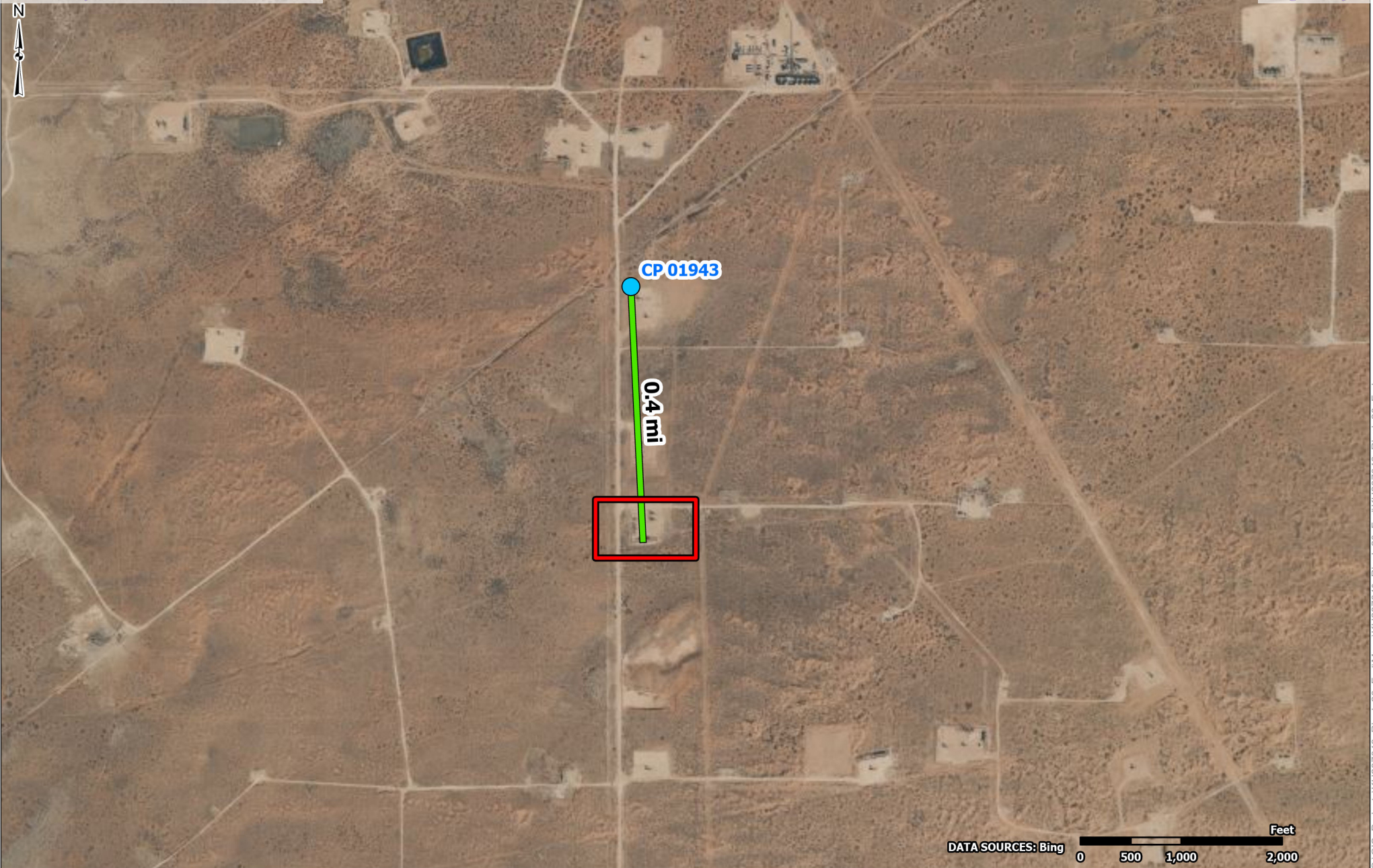
Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)								
		(quarters are smallest to largest)							(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	
NA	CP 01943 POD1	1	3	1	20	19S	31E	603217	3612883 	
<hr/>										
Driller License:		1249		Driller Company:			ATKINS ENGINEERING ASSOC. INC.			
Driller Name:		JACKIE D ATKINS								
Drill Start Date:		04/06/2023		Drill Finish Date:			04/09/2023		Plug Date:	04/18/2023
Log File Date:		04/27/2023		PCW Rcv Date:			Source:			
Pump Type:					Pipe Discharge Size:			Estimated Yield:		
Casing Size:					Depth Well:			55 feet		Depth Water:
<hr/>										

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

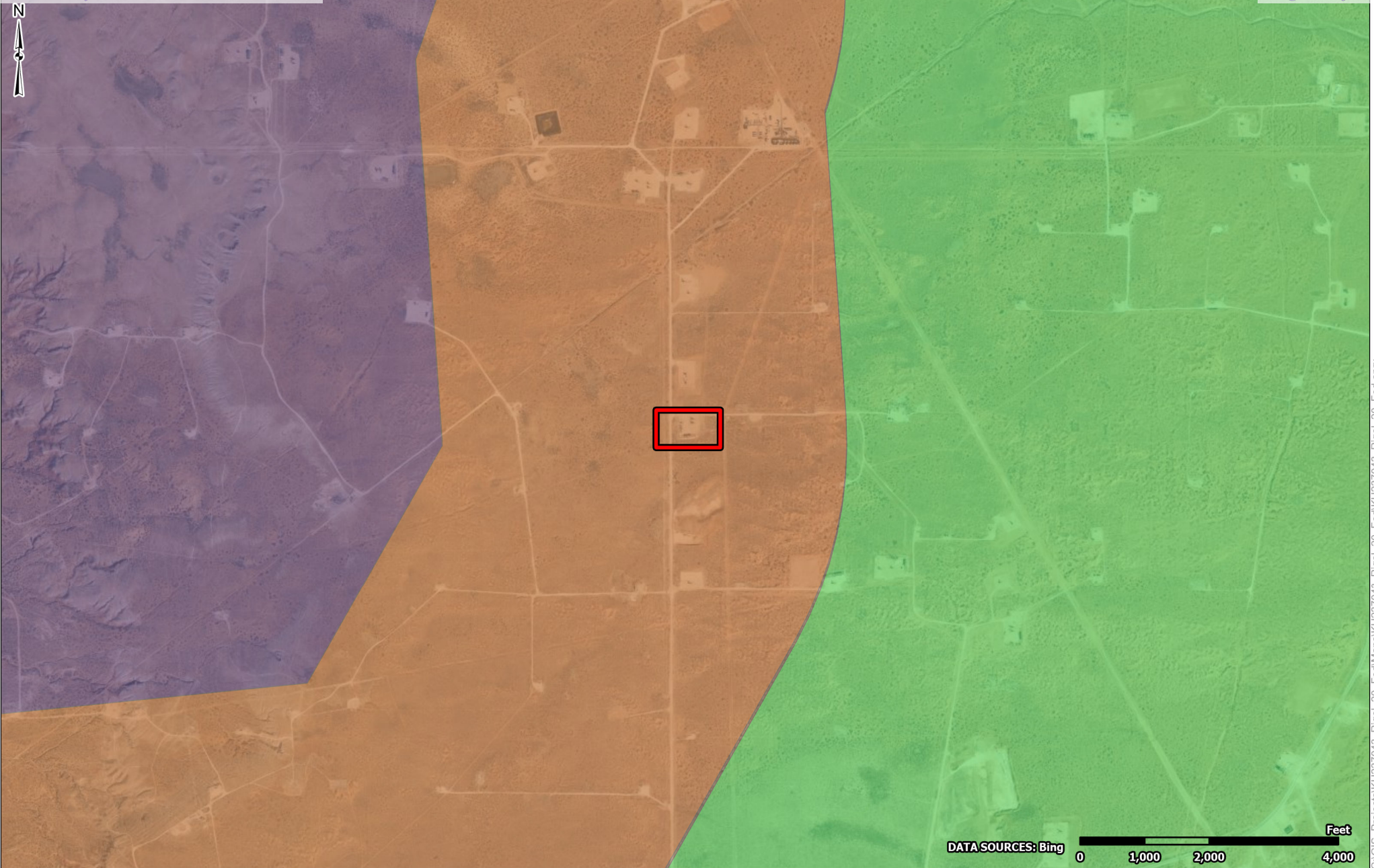

4526 W Pierce St
Carlsbad, NM
PH. 806-300-0140 terracon.com

NMOSE POD Location Map

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

Exhibit

2



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

Project No.:
KH237043

Date:
Oct 19 2023

Drawn By:
JWL

Reviewed By:
JRG

Terracon

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

Terracon

10.18.2023 09:16 AM
32.64308, -103.89914
Unnamed Road, Artesia, NMA

PHOTO 1: View of containment area north side



10.18.2023 09:17 AM
32.64304, -103.89913
Unnamed Road, Artesia, NMA

PHOTO 2: View of area facing west from north side

Responsive ■ Resourceful ■ Reliable

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

Terracon

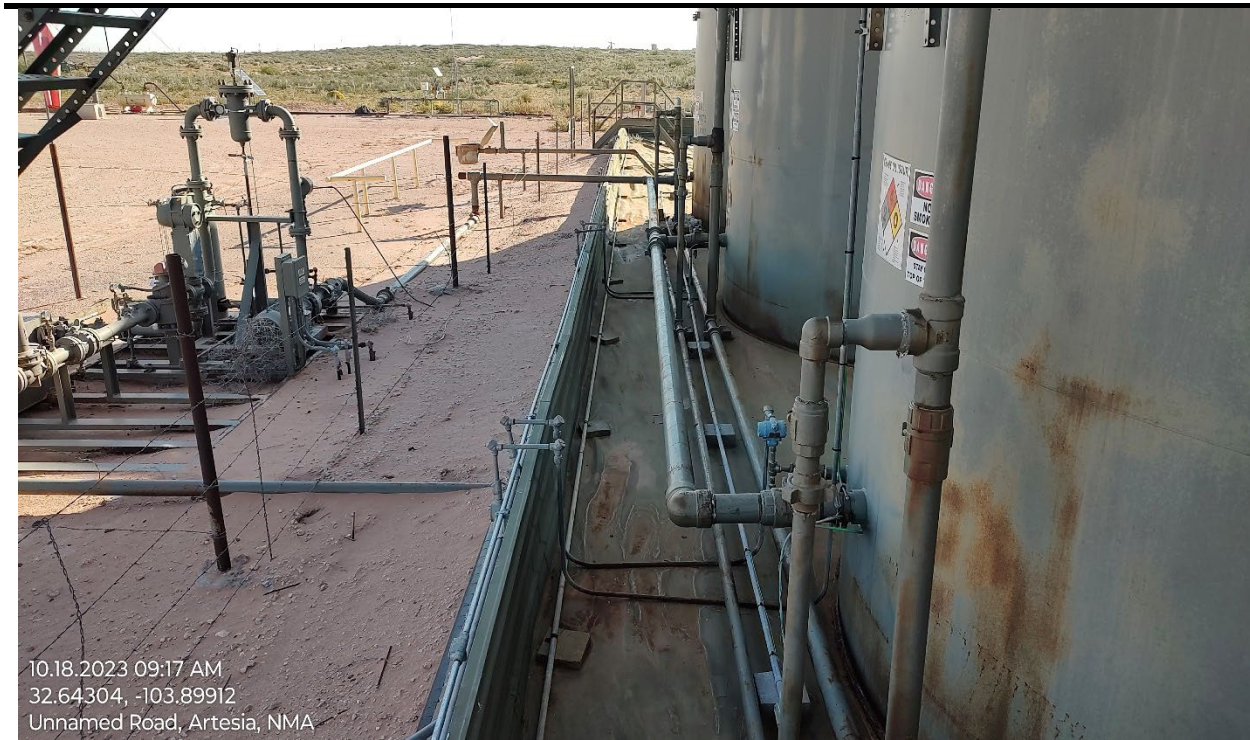


PHOTO 3: View of area facing east from the north side



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

Terracon



PHOTO 5: View of area facing east from south side



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

Terracon



PHOTO 7: View of outside containment northeast corner facing south



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

Terracon



PHOTO 9: View of outside containment southwest corner facing east



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

Terracon



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