Page 6

Incident ID	nAPP2204537247
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.

<b><u>Closure Report Attachment Checklist</u></b> : Each of the following it	items must be included in the closure report.
A scaled site and sampling diagram as described in 19.15.29.	11 NMAC
$\mathbf{X}$ Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
Laboratory analyses of final sampling (Note: appropriate OD	C District office must be notified 2 days prior to final sampling)
Description of remediation activities	
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and re- human health or the environment. In addition, OCD acceptance of	ations. The responsible party acknowledges they must substantially inditions that existed prior to the release or their final land use in
Signature:	<b>_</b>
Signature: / //	Date:
email: jim.raley@dvn.com	Telephone:575-689-7597
OCD Only	
Received by: <u>Robert Hamlet</u>	Date: <u>5/16/2022</u>
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible for regulations.
Closure Approved by: <u><i>Robert Hamlet</i></u>	Date: <u>5/16/2022</u>
Printed Name: Robert Hamlet	Title: Environmental Specialist - Advanced
_	



April 14, 2022

Vertex Project #: 22E-00496

Spill Closure Report:	RDX Federal 9 #005	
	Section 09, Township 26 South, Range 30 East	
	County: Eddy	
	API: 30-015-41630	
	Incident Report: nAPP2204537247	
Prepared For:	WPX Energy Permian, LLC	
	5315 Buena Vista Drive	

Carlsbad, New Mexico 88220

**New Mexico Oil Conservation Division – District 2 Artesia** 811 South 1<sup>st</sup> Street Artesia, New Mexico 88210

WPX Energy Permian, LLC (WPX) retained Vertex Resource Services Inc. (Vertex) to conduct a Spill Assessment for a release of produced water into the secondary containment at RDX Federal 9 #005, API 30-015-41630, Incident nAPP2204537247 (hereafter referred to as "RDX"). WPX provided spill notification to the New Mexico Oil Conservation Division (NMOCD) District 2, via submission of an initial C-141 Release Notification (Attachment 1). This letter provides a description of the spill assessment and includes a request for spill closure. The spill area is located at N 32.0599861, W -103.8809204.

#### Background

The site is located approximately 16 miles south-southeast of Malaga, New Mexico. The legal location for the site is Section 09, Township 26 South and Range 30 East in Eddy County, New Mexico. The spill area is located on Bureau of Land Management (BLM) property. This location is within the Permian Basin in southeast New Mexico and has been historically used for oil and gas exploration and production.

*The Geological Map of New Mexico* (New Mexico Bureau of Geology and Mineral Resources, 2014 – 2021 indicates the site's surface geology is comprised primarily of Qep – Eolian and piedmont deposits (Holocene to middle Pleistocene), and is characterized as eolian sands and piedmont-slope deposits. The Natural Resources Conservation Service *Web Soil Survey* characterizes the predominant soil texture on the site is Upton-Simona complex. It tends to be well drained with high runoff and very low available moisture levels in the soil profile (United States Department of Agriculture, Natural Resources Conservation Service, 2020).

The surrounding landscape is associated with ridges and fans at elevations of 2,000 to 5,700 feet above sea level. The climate is semi-arid, with an annual precipitation ranging between 6 to 14 inches. Historically, the plant community was dominated by black grama with sideoats grama. Blue grama, hairy grama, bush muhly and sand dropseed occur in significant amounts. Predominant vegetation consists of creosotebush, catclaw mimosa, whitethorn acacia and mesquite.

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There is no surface water located on-site. The nearest significant watercourse, as defined in Subsection P of 19.15.17.7 NMAC, is the Red Bluff Lake located approximately 6.41 miles southwest of the site (Google Earth Pro, 2022). There are no continuous flowing watercourses or significant watercourses, lakebeds, sinkholes, playa lakes, or other critical water or community features as outlined in Paragraph (4) of Subsection C of 19.15.29.12 NMAC.

#### **Incident Description**

The spill occurred on February 7, 2022, due to a mechanical seal failure on the water transfer pump. The spill was reported on February 14, 2022, and involved the release of approximately 5 barrels (bbl.) of produced water into lined containment. Approximately 5 bbl. of free fluid was removed during initial spill clean-up. The NMOCD C-141 Report: nAPP2204537247 is included in Attachment 1. The Daily Field Report (DFRs) and site photographs are included in Attachment 2.

#### **Closure Criteria Determination**

The depth to groundwater was determined using information from the United States Geological Survey National Water Information Mapping System and Office of the State Engineers Water Rights Database. A 0.5-mile search radius was used to determine groundwater depth. The closest recorded depth to groundwater was determined to be 180 feet below ground surface (bgs) and 0.63 miles from the site. Documentation used in Closure Criteria Determination research is included in Attachment 3.

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#### WPX Energy Permian, LLC

RDX Federal 9 #005, nAPP2204537247

Page 4 of 55

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Spill Coc	rdinates:	X: 32.0599861	Y: -103.8809204
•	cific Conditions	Value	Unit
1	Depth to Groundwater	180	feet
-	Within 300 feet of any continuously flowing	25.040	
2	watercourse or any other significant watercourse	35,918	feet
	Within 200 feet of any lakebed, sinkhole or playa		
3	lake (measured from the ordinary high-water	33,846	feet
	mark)		
4	Within 300 feet from an occupied residence,	48.004	feet
4	school, hospital, institution or church	48,094	Teet
	i) Within 500 feet of a spring or a private, domestic		
	fresh water well used by less than five households	3,559	feet
5	for domestic or stock watering purposes, <b>or</b>		
	ii) Within 1000 feet of any fresh water well or	3,559	feet
	spring	3,339	1661
	Within incorporated municipal boundaries or		
	within a defined municipal fresh water field		(Y/N)
6	covered under a municipal ordinance adopted	No	
0	pursuant to Section 3-27-3 NMSA 1978 as		
	amended, unless the municipality specifically		
	approves		
7	Within 300 feet of a wetland	1,108	feet
8	Within the area overlying a subsurface mine	No	(Y/N)
			Critical
9	Within an unstable area (Karst Map)	Medium	High
5		Wedfullt	Medium
			Low
10	Within a 100 year Floodalain	F00	Veer
10	Within a 100-year Floodplain	500	year
11	Soil Type	US	
11		03	
12	Ecological Classification	Shallow	
13	Geology	Qep	
			<50'
NMAC 19.15.29.12 E (Table 1) Closure Criteria		<50'	51-100'
			>100'

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WPX Energy Permian,	LLC
RDX Federal 9 #005, n	APP2204537247

Using site characterization information, a closure criteria determination worksheet was completed to determine if the release would be subject to any of the special case scenarios outlined in Paragraph (4) of Subsection C of 19.15.29.12 NMAC, if the release had escaped secondary containment.

Based on data included in the closure criteria determination worksheet, the release at RDX was not subject to the requirements of Paragraph (4) of Subsection C of 19.15.29.12 NMAC and the closure criteria for the site were determined to be associated with the following constituent concentration limits based on depth to groundwater. The closure criteria determined for the site are associated with the following constituent concentration limits as presented in Table 1.

Table 1. Closure Criteria for Soils Impacted by a Release		
Minimum depth below any point within the horizontal boundary of the release to groundwater less than 10,000 mg/l TDS	Constituent	Limit
	Chloride	600 mg/kg
	TPH (GRO+DRO+MRO)	100 mg/kg
< 50 feet	BTEX	50 mg/kg
	Benzene	10 mg/kg

#### **Remedial Actions Taken**

An initial site inspection of the spill area was completed on February 24, 2022, which identified the area of the spill specified in the initial C-141 Report. The DFR associated with the site inspection is included in Attachment 2.

Notification that a liner inspection was scheduled to be completed was provided to the NMOCD on February 22, 2022 (Attachment 4). Visual observation of the liner was completed on all sides and the base of the containment, around equipment, and of all seams in the liner. As evidenced in the DFR (Attachment 2), liner integrity was confirmed.

#### **Closure Request**

Vertex recommends no remediation action to address the release at RDX. The secondary containment liner appeared to be intact and had the ability to contain the release, as shown in the inspection photographs included with the DFR (Attachment 2). There are no anticipated risks to human, ecological or hydrological receptors associated with the release site.

Vertex requests that incident nAPP2204537247 be closed as all closure requirements set forth in Subsection E of 19.15.29.12 NMAC have been met. WPX certifies that all information in this report and the attachments is correct, and that they have complied with all applicable closure requirements and conditions specified in Division rules and directives to meet NMOCD requirements to obtain closure on the open release at RDX Federal 9 #005.

Should you have any questions or concerns, please do not hesitate to contact the undersigned at 575.361.9880 or mpeppin@vertex.ca.

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WPX Energy Permian, LLC RDX Federal 9 #005, nAPP2204537247 2022 Spill Assessment and Closure April 2022

April 14, 2022

Date

Monica Peppin SENIOR ENVIRONMENTAL TECHNICIAN, REPORTING

### Attachments

- Attachment 1. NMOCD C-141 Report
- Attachment 2. Daily Field Report with Pictures
- Attachment 3. Closure Criteria Research Determination Documentation
- Attachment 4. Required 48-hr Notification of Liner Inspection to Regulatory Agencies

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#### References

- Water Column/Average Depth to Water Report. New Mexico Water Rights Reporting System, (2022). Retrieved from http://nmwrrs.ose.state.nm.us/nmwrrs/waterColumn.html
- Assessed and Impaired Waters of New Mexico. New Mexico Department of Surface Water Quality Bureau, (2022). Retrieved from https://gis.web.env.nm.gov/oem/?map=swqb
- Interactive Geologic Map. New Mexico Bureau of Geology and Mineral Resources, (2022). Retrieved from http://geoinfo.nmt.edu
- Measured Distance from the Subject Site to Residence. Google Earth Pro, (2022). Retrieved from https://earth.google.com
- Point of Diversion Location Report. New Mexico Water Rights Reporting System, (2022). Retrieved from http://nmwrrs.ose.state.nm.us/nmwrrs/wellSurfaceDiversion.html
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- Well Log/Meter Information Report. NM Office of the State Engineer, New Mexico Water Rights Reporting System. (2022). Retrieved from http://nmwrrs.ose.state.nm.us/nmwrrs/meterReport.html
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- Soil Survey, New Mexico. United States Department of Agriculture, Soil Conservation Service in Cooperation with New Mexico Agricultural Experiment Station. (1971). Retrieved from http://www.wipp.energy.gov/library/Information\_Repository\_A/Supplemental\_Information/Chugg%20et%20al% 201971%20w-map.pdf

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#### Limitations

This report has been prepared for the sole benefit of WPX Energy Permian, LLC. This document may not be used by any other person or entity, with the exception of the New Mexico Oil Conservation Division, without the express written consent of Vertex Resource Services Inc. (Vertex) and WPX Energy Permian, LLC. Any use of this report by a third party, or any reliance on decisions made based on it, or damages suffered as a result of the use of this report are the sole responsibility of the user.

The information and conclusions contained in this report are based upon work undertaken by trained professional and technical staff in accordance with generally accepted scientific practices current at the time the work was performed. The conclusions and recommendations presented represent the best judgement of Vertex based on the data collected during the assessment. Due to the nature of the assessment and the data available, Vertex cannot warrant against undiscovered environmental liabilities. Conclusions and recommendations presented in this report should not be considered legal advice.

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### **ATTACHMENT 1**

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	nAPP2204537247
District RP	
Facility ID	
Application ID	

## **Release Notification**

### **Responsible Party**

Responsible Party: WPX Energy Permian, LLC	OGRID: 246289
Contact Name: Jim Raley	Contact Telephone: 575-689-7597
Contact email: jim.raley@dvn.com	Incident # (assigned by OCD ) nAPP2204537247
Contact mailing address: 5315 Buena Vista Dr., Carlsbad NM 88220	

### **Location of Release Source**

Latitude 32.0599861

Longitude -103.8809204 (NAD 83 in decimal degrees to 5 decimal places)

Site Name: RDX FEDERAL 9 #005	Site Type: Oil Production Site
Date Release Discovered: February 7 <sup>th</sup> , 2022	API# (if applicable) 30-015-41630

Unit Letter	Section	Township	Range	County
Н	09	26S	30E	Eddy

Surface Owner: State Federal Tribal Private (Name:

### Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

Crude Oil	Volume Released (bbls) 0	Volume Recovered (bbls) 0	
Produced Water	Volume Released (bbls) 5	Volume Recovered (bbls) 5	
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No	
Condensate	Volume Released (bbls)	Volume Recovered (bbls)	
Natural Gas	l Gas Volume Released (Mcf) Volume Recovered (Mcf)		
Other (describe)       Volume/Weight Released (provide units)       Volume/Weight Recovered (provide units)			
Cause of Release: Mechanical seal failed on water transfer pump, allowing for release of approx. 5bbls of produced water to lined			

Cause of Release: Mechanical seal failed on water transfer pump, allowing for release of approx. 5bbls of produced water to lined secondary containment. Liner to be inspected.

#### Spill Volume = Recovered Volume (From Lined Secondary Containment)

	Page 11 of 5
Incident ID	nAPP2204537247
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Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the responsible party consider this a major release?
🗌 Yes 🖾 No	
If YES, was immediate ne	otice 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

 $\square$  The source of the release has been stopped.

The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name:James Raley	Title: Environmental Specialist		
Signature:	Date:2/14/2022		
email:jim.raley@dvn.com	Telephone:575-689-7597		
OCD Only			
Received by:	Date:		

Received by OCD: 4/26/2022 8:11:02 AM Form C-141 State of New Mexico

Oil Conservation Division

	Page 12 of 5.
Incident ID	nAPP2204537247
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>&lt;50</u> (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 X 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 X 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 X No
Did the release impact areas <b>not</b> 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.
- MA Field data
- Data table of soil contaminant concentration data
- X Depth to water determination
- X Determination of water sources and significant watercourses within <sup>1</sup>/<sub>2</sub>-mile of the lateral extents of the release
- MA Boring or excavation logs
- X Photographs including date and GIS information
- MA Topographic/Aerial maps
- MA 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.

Received by OCD: 4/26/2022 8:11:02 AM Form C-141 State of New Mexico			Page 13 of		
			Incident ID	nAPP2204537247	
Page 4	Oil Conservation Division		District RP		
			Facility ID		
			Application ID		
regulations all operators are requ public health or the environment failed to adequately investigate a addition, OCD acceptance of a C and/or regulations. Printed Name:Jim Ral Signature: email:jim.raley@dvn.com	Rty	tifications and perform co OCD does not relieve the reat to groundwater, surfa f responsibility for comp	prrective actions for rele coperator of liability sho ce water, human health liance with any other feo mental Specialist	ases which may endanger ould their operations have or the environment. In	
OCD Only Received by:		Date:			

Page 6

Incident ID	nAPP2204537247
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.

<b><u>Closure Report Attachment Checklist</u>:</b> Each of the following it	tems must be included in the closure report.
A scaled site and sampling diagram as described in 19.15.29.	11 NMAC
$\overline{X}$ Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
Laboratory analyses of final sampling (Note: appropriate OD	C District office must be notified 2 days prior to final sampling)
MA Description of remediation activities	
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and re- human health or the environment. In addition, OCD acceptance of	ations. The responsible party acknowledges they must substantially nditions that existed prior to the release or their final land use in
Printed Name: Jim Raley	Title: Environmental Specialist
Signature:	Date:
email:jim.raley@dvn.com	Telephone: 575-689-7597
OCD Only	
Received by:	Date:
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible for regulations.
Closure Approved by:	Date:
Printed Name:	Title:

### **ATTACHMENT 2**



Client:	Devon Energy Corporation	Inspection Date:	2/24/2022	
Site Location Name:	RDX Federal 9 #005	Report Run Date:	2/24/2022 5:36 PM	
Client Contact Name:	Wes Matthews	API #:		
Client Contact Phone #:	(575) 748-0176			
Unique Project ID		Project Owner:		
Project Reference #		Project Manager:		
Summary of Times				
Arrived at Site	2/24/2022 7:00 AM			
Departed Site	2/24/2022 10:10 AM			

### Field Notes

9:02 Liner inspection to check for any potential holes or rips that could lead to a breach in the secondary containment

9:06 Liner is fully intact. No signs of a potential breach or signs that fluid has escaped from secondary containment

#### **Next Steps & Recommendations**

**1** Complete closure report









Daily Site Visit Signature

V VERTEX

Inspector: Monica Peppin Signature: Signature

•

### **ATTACHMENT 3**



### RDX Federal 9 #005



2/17/2022, 2:42:30 PM

GIS WATERS PODs

- OSE District Boundary
- Active New Mexico State Trust Lands
- ٠ Plugged Both Estates

0	0.17	0.35	0. <b>7</b> mi
0	0.3	0.6	 1.2 km

Esri, HERE, GeoTechnologies, Inc., Esri, HERE, Garmin, GeoTechnologies, Inc., U.S. Department of Energy Office of Legacy Management, Maxar

Unofficial Online Map These maps are distributed "as is" without warranty of any kind.



USGS Home Contact USGS Search USGS

### **National Water Information System: Web Interface**

USGS Water Resources	Data Category:		Geographic Area:		
	Groundwater	×	United States	~	GO

### Click to hideNews Bulletins

- Explore the NEW <u>USGS National Water Dashboard</u> interactive map to access realtime water data from over 13,500 stations nationwide.
- Full News 🔊

Groundwater levels for the Nation

Important: <u>Next Generation Monitoring Location Page</u>

### Search Results -- 1 sites found

site\_no list =

• 320404103523101

### Minimum number of levels = 1

Save file of selected sites to local disk for future upload

### USGS 320404103523101 26S.30E.05.343414

Available data for this site Groundwater: Field measurements V GO

Eddy County, New Mexico

Hydrologic Unit Code 13070001

Latitude 32°04'04", Longitude 103°52'31" NAD27

Land-surface elevation 3,173 feet above NAVD88

The depth of the well is 775 feet below land surface.

This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer.

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output	formats
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Table of data	
Tab-separated data	
<u>Graph of data</u>	
Reselect period	



Breaks in the plot represent a gap of at least one year between field measurements. <u>Download a presentation-quality graph</u>

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

Accessibility FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey Title: Groundwater for USA: Water Levels URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2022-02-17 16:05:29 EST 0.72 0.53 nadww01



### Received by OCD: 4/26/2022 8:11:02\_AM RDX Federal 9 #005

Nearest Watercourse: Pecos River Distance:6.80 miles (35,918 feet)

0



## RDX Federal 9 #005

NEW MEXICO

me -

U.S. Fish and Wildlife Service

## **National Wetlands Inventory**

## RDX Federal 9 #005



#### February 18, 2022

#### Wetlands

Estuarine and Marine Deepwater

Released to Imaging: 5/16/2022 3:15:35 PM

- **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.



Nearest Residence: 9.11 miles (48,094 feet)

-





Page 27 of 55 Legend

 Feature 1

Résidence

R.M

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WATER RIGHT SUMMARY

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### RDX Federal 9 #005



#### 2/18/2022, 12:16:03 PM

- Override 1
- OSE District Boundary
- New Mexico State Trust Lands
  - Both Estates
- SiteBoundaries

	1:9,028								
0	0.07	0.15	0.3 mi						
0	0.15	0.3	0.6 kr						

Esri, HERE, GeoTechnologies, Inc., Esri, HERE, Garmin, GeoTechnologies, Inc., U.S. Department of Energy Office of Legacy Management, Maxar

Unofficial Online Map These maps are distributed "as is" without warranty of any kind.

### Received by OCD: 4/26/2022 8:11:02 AM RDX Federal 9 #005

Nearest Town: Malaga, NM Distance: 15.94 miles



Malaga

285

RDX Federal 9 #005

7 mi

N

7 . . .

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126/2022 8.11.02 AM Received by OCD

### U.S. Fish and Wildlife Service **National Wetlands Inventory**

## RDX Federal 9 #005



#### February 17, 2022

#### Wetlands

- Estuarine and Marine Deepwater
- **Estuarine and Marine Wetland**

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- **Freshwater Pond**

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

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.

## RDX Federal 9 #005



2/18/2022, 12:33:32 PM



Earthstar Geographics

EMNRD MMD GIS Coordinator



# Received by OCD: 4/26/2022 8:11:02 AM National Flood Hazard Layer FIRMette



### Legend

Page 34 of 55



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

regulatory purposes.

*Received by OCD: 4/26/2022 8:11:02 AM* 



USDA Natural Resources Conservation Service 5 PM

Web Soil Survey National Cooperative Soil Survey 2/18/2022 Page 1 of 3

MAP L	EGEND	MAP INFORMATION			
Area of Interest (AOI) Area of Interest (AOI)	<ul><li>Spoil Area</li><li>Stony Spot</li></ul>	The soil surveys that comprise your AOI were mapped at 1:20,000.			
<ul> <li>Severely Eroded Spot</li> <li>Sinkhole</li> <li>Slide or Slip</li> <li>Sodic Spot</li> </ul>		compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.			

.
# Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
US	Upton-Simona complex, 1 to 15 percent slopes, eroded	8.4	100.0%
Totals for Area of Interest		8.4	100.0%



# Eddy Area, New Mexico

## US—Upton-Simona complex, 1 to 15 percent slopes, eroded

### Map Unit Setting

National map unit symbol: 1w66 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**

Upton and similar soils: 40 percent Simona and similar soils: 35 percent Minor components: 25 percent Estimates are based on observations, descriptions, and transects of the mapunit.

### **Description of Upton**

### Setting

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

### **Typical profile**

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

### **Properties and qualities**

Slope: 1 to 15 percent
Depth to restrictive feature: 7 to 20 inches to petrocalcic
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Low to moderately high (0.01 to 0.60 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 75 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Very low (about 1.4 inches)

### Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7s Hydrologic Soil Group: D Ecological site: R042XC025NM - Shallow

Hydric soil rating: No

### **Description of Simona**

### Setting

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

**Typical profile** 

H1 - 0 to 6 inches: gravelly fine sandy loam H2 - 6 to 20 inches: gravelly fine sandy loam H3 - 20 to 24 inches: indurated

### **Properties and qualities**

Slope: 1 to 5 percent
Depth to restrictive feature: 7 to 20 inches to petrocalcic
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: Very low (about 2.4 inches)

### Interpretive groups

Land capability classification (irrigated): None specified Land capability classification (nonirrigated): 7e Hydrologic Soil Group: D Ecological site: R042XC002NM - Shallow Sandy Hydric soil rating: No

### **Minor Components**

### **Rock outcrop**

Percent of map unit: 9 percent Hydric soil rating: No

### **Dune land**

Percent of map unit: 8 percent Hydric soil rating: No

### Pajarito

Percent of map unit: 8 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



USDA Natural Resources Conservation Service

# Ecological site R042XC025NM Shallow

Accessed: 02/18/2022

# **General information**



#### Figure 1. Mapped extent

Areas shown in blue indicate the maximum mapped extent of this ecological site. Other ecological sites likely occur within the highlighted areas. It is also possible for this ecological site to occur outside of highlighted areas if detailed soil survey has not been completed or recently updated.

### Table 1. Dominant plant species

Tree	Not specified
Shrub	Not specified
Herbaceous	Not specified

# **Physiographic features**

This site occurs on knolls, ridges, hillslopes alluvial fans and escarpments. Slopes range fro 0 to 25 percent and average about 7 percent. Direction of slope varies and is usually not significant. Elevations range from 2,842 to 4,500 feet.

Landforms	<ul><li>(1) Hill</li><li>(2) Ridge</li><li>(3) Fan piedmont</li></ul>
Flooding frequency	None
Ponding frequency	None
Elevation	2,842–4,500 ft
Slope	0–25%
Aspect	Aspect is not a significant factor

#### Table 2. Representative physiographic features

## **Climatic features**

The average annual precipitation ranges from 8 to 13 inches. Variations of 5 inches, more or less, are common. Over 80 percent of the precipitation falls from April through October. Most of the summer precipitation comes in the form of high intensity – short duration thunderstorms.

Temperatures are characterized by distinct seasonal changes and large annual and diurnal temperature changes. The average annual temperature is 61 degrees with extremes of 25 degrees below zero in the winter to 112 degrees in the summer.

The average frost-free season is 180 to 220 days. The last killing frost is late March or early April, and the first killing frost is in late October or early November.

Temperature and rainfall both favor warm season perennial plant growth. In years of abundant spring moisture, annual forbs and cool season grasses can make up an important component of this site. Because of the shallow soil depth, the vegetation on this site can take advantage of moisture almost anytime it falls. Strong winds that blow from the west and southwest blow from January through June, which accelerates soil drying at a critical time for cool season plant growth.

Climate data was obtained from http://www.wrcc.sage.dri.edu/summary/climsmnm.html web site using 50% probability for freeze-free and frost-free seasons using 28.5 degrees F and 32.5 degrees F respectively.

#### Table 3. Representative climatic features

Frost-free period (average)	220 days
Freeze-free period (average)	240 days
Precipitation total (average)	13 in

### Influencing water features

This site is not influenced from water from wetlands or streams.

# Soil features

The soils of this site are shallow to very shallow. Soils are derived from mixed calcareous eolian deposits derived from sedimentary rock. Surface layers are very cobbly loam, very gravelly loam, gravelly loam, cobbly loam, gravelly fine sandy loam or gravelly sandy loam.

There is an indurated caliche layer or limestone bedrock that occurs within 20 inches and averages less than 10 inches. Limestone or caliche layer may be the restrictive layer.

Minimum and maximum values listed below represent the characteristic soils for this site.

Characteristic soils:

Lozier Potter Tencee Upton Ector Kimbrough

Table 4. Representative soil features

Surface texture	<ul><li>(1) Gravelly loam</li><li>(2) Extremely gravelly loam</li><li>(3) Extremely cobbly loam</li></ul>
Family particle size	(1) Loamy
Drainage class	Well drained
Permeability class	Very slow to moderately slow
Soil depth	4–20 in
Surface fragment cover <=3"	15–40%
Available water capacity (0-40in)	1 in
Calcium carbonate equivalent (0-40in)	15–60%
Electrical conductivity (0-40in)	0–2 mmhos/cm
Sodium adsorption ratio (0-40in)	0–1
Soil reaction (1:1 water) (0-40in)	7.4–8.4
Subsurface fragment volume <=3" (Depth not specified)	13–42%
Subsurface fragment volume >3" (Depth not specified)	0–1%

# **Ecological dynamics**

Overview:

The Shallow site is associated with and Limestone Hills, Loamy, and Shallow Sandy sites. When associated with Limestone Hills, the Shallow site occurs on the summits, foot slopes and toeslopes of hills. Loamy sites often occur as areas between low elongated hills with rounded crests (Shallow site). When the Shallow Sandy site and Shallow site occur in association, the Shallow Sandy soils occupy the tops of low ridges and the Shallow site soils occur on the steeper sideslopes of the ridge. The historic plant community of the Shallow site has the aspect of a grassland/shrub mix, dominated by grasses, but with shrubs common throughout the site. Black grama is the dominant grass species; creosotebush, mesquite, and catclaw mimosa are common shrubs. Overgrazing and or extended drought can reduce grass cover, effect a change in grass species dominance, and may result in a shrub-dominated state. 1

# State and transition model

# Plant Communities and Transitional Pathways (diagram)



MLRA-42, SD-3, Shallow

1a. Extended drought, overgrazing, no fire

1b. Brush control, Prescribed grazing

Figure 4.

State 1 Grass/Shrub Mix

# Community 1.1 Grass/Shrub Mix

Grassland/Shrub Mix: The historic plant community is dominated by black grama with sideoats grama as the subdominant. Blue grama, hairy grama, bush muhly, and sand dropseed also occur in significant amounts. Sideoats grama can occur as the dominant grass with black grama as sub-dominant on the western side of the Land Resource Unit SD-3. This may be due to higher average elevation on the west side. Retrogression within this state due to extended drought or overgrazing will cause a decrease in species such as black grama, sideoats grama, blue grama, and bush muhly. Threeawns may become the dominant grass species due to a decline in more palatable grasses or because of its ability to quickly recover following drought. Continued loss of grass cover and associated increase in amount of bare ground may result in a shrub-dominated state. Decreased fire frequencies may also be

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an important component in the cause of this transition.

Diagnosis: Grass cover is fairly uniform, however, surface gravel, cobble, and bare ground make up a large percent of total ground cover, and grass production during unfavorable years may only average 150-175 pounds per acre. Shrubs are common with canopy cover averaging five to ten percent. Evidence of erosion such as rills and gullies are rare, but may occur on slopes greater than eight percent.

#### Table 5. Annual production by plant type

Plant Type	Low (Lb/Acre)	Representative Value (Lb/Acre)	
Grass/Grasslike	168	352	536
Shrub/Vine	63	131	200
Forb	20	42	64
Total	251	525	800

#### Table 6. Ground cover

Tree foliar cover	0%
Shrub/vine/liana foliar cover	5-10%
Grass/grasslike foliar cover	10-15%
Forb foliar cover	0%
Non-vascular plants	0%
Biological crusts	0%
Litter	5-8%
Surface fragments >0.25" and <=3"	0%
Surface fragments >3"	0%
Bedrock	0%
Water	0%
Bare ground	40-60%

Figure 6. Plant community growth curve (percent production by month). NM2825, R042XC025NM Shallow HCPC. R042XC025NM Shallow HCPC Warm Season Plant Community.

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	0	3	5	10	10	25	30	12	5	0	0

# State 2 Shrub-Dominated

## Community 2.1 Shrub-Dominated

Shrub-Dominated: This state is characterized by an increase in shrubs and a decrease in grass cover relative to grassland/shrub mix. As grass cover decreases shrubs increase, especially creosotebush, catclaw mimosa, whitethorn acacia, and mesquite. Each of these shrub species may become dominant in localized areas or across the site, depending on the spatial variability in soil characteristics and landscape position. Black grama, threeawns, hairy grama, or hairy tridens may be the dominant grass species. Fluffgrass, burrograss and broom snakeweed increase in representation. The Shallow site is resistant to state change, due to the natural rock armor of the soil and a shallow impermeable layer. The amount of rock fragments on the soil surface assist in retarding erosion. On Shallow sites with low slope, the shallow depth to either a petrocalcic layer or limestone bedrock helps to keep water perched and available to shallow rooted grasses for extended periods. 2

Diagnosis: Shrubs are the dominant species, especially creosotebush, catclaw mimosa, whitethorn acacia, or mesquite. Grass cover is variable ranging from patchy with large connected bare areas present to sparse with only a limited amount in shrub inter-spaces.

Transition to Shrub-Dominated (1a) Overgrazing and or extended periods of drought, and suppression of natural fire regimes are thought to cause this transition. As grass cover is lost, soil fertility and available soil moisture decline, due to the reduction of organic matter and decreased infiltration.3 Shrubs have the ability to extract nutrients and water from a greater area of soil than grasses and are better able to utilize limited water. Competition by shrubs for water and nutrients limits grass recruitment and establishment. Fire historically may have played a part in suppressing shrub expansion; fire suppression may therefore facilitate shrub expansion.

Key indicators of approach to transition:

\*Decrease or change in composition or distribution of grass cover.

\*Increase in size and frequency of bare patches.

\*Increase in amount of shrub seedlings.

Transition back to Grassland/Shrub Mix (1b) Brush control is necessary to re-establish grasses. Prescribed grazing will help to ensure proper forage utilization and sustain grass cover. Once the transition is reversed and grass cover is re-established, periodic use of prescribed fire may assist in maintaining the Grassland/Shrub state.

## Additional community tables

Table 7. Community 1.1 plant community composition

Group	Common Name	Symbol	Scientific Name	Annual Production (Lb/Acre)	Foliar Cover (%)
Grass	/Grasslike				
1				105–158	
	black grama	BOER4	Bouteloua eriopoda	105–158	_
2			•	79–105	
	sideoats grama	BOCU	Bouteloua curtipendula	79–105	_
3			•	79–105	
	blue grama	BOGR2	Bouteloua gracilis	79–105	-
	hairy grama	BOHI2	Bouteloua hirsuta	79–105	-
4				26–53	
	bush muhly	MUPO2	Muhlenbergia porteri	26–53	-
5				16–26	
	cane bluestem	BOBA3	Bothriochloa barbinodis	16–26	-
6				26–53	
	sand dropseed	SPCR	Sporobolus cryptandrus	26–53	-
7				16–26	
	hairy woollygrass	ERPI5	Erioneuron pilosum	16–26	-
8				5–16	
	ear muhly	MUAR	Muhlenbergia arenacea	5–16	-
9				5–16	
	New Mexico feathergrass	HENE5	Hesperostipa neomexicana	5–16	-
10				5–16	
	low woollygrass	DAPU7	Dasyochloa pulchella	5–16	_
11				16–26	
	Grass, perennial	2GP	Grass, perennial	16–26	-

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12				11–26	
12		TEAOE	T-turner and a secolity of the		
	stemless four-nerve daisy	TEACE	Tetraneuris acaulis var. epunctata	11–26	
13		•		5–16	
	woolly groundsel	PACA15	Packera cana	5–16	
14		•		5–16	
	globemallow	SPHAE	Sphaeralcea	5–16	
15		•	•	5–16	
	bladderpod	LESQU	Lesquerella	5–16	
16			•	5–16	
	cassia	CASSI	Cassia	5–16	
17			•	11–26	
	Forb (herbaceous, not grass nor grass-like)	2FORB	Forb (herbaceous, not grass nor grass-like)	11–26	
Shru	ıb/Vine				
18				5–16	
	littleleaf sumac	RHMI3	Rhus microphylla	5–16	
19				5–16	
	creosote bush	LATR2	Larrea tridentata	5–16	
20			1	5–16	
	littleleaf ratany	KRER	Krameria erecta	5–16	
21			1	5–16	
	javelina bush	COER5	Condalia ericoides	5–16	
22		<b>I</b>	1	5–16	
	American tarwort	FLCE	Flourensia cernua	5–16	
23		<b>I</b>	1	5–16	
	crown of thorns	KOSP	Koeberlinia spinosa	5–16	
24				11–26	
	honey mesquite	PRGL2	Prosopis glandulosa	11–26	
	honey mesquite	PRGL2	Prosopis glandulosa	11–26	
25				5–16	
	catclaw mimosa	MIACB	Mimosa aculeaticarpa var. biuncifera	5–16	
26				5–16	
	pricklypear	OPUNT	Opuntia	5–16	
27				11–26	
	mariola	PAIN2	Parthenium incanum	11–26	
	mariola	PAIN2	Parthenium incanum	11–26	
28			1	5–16	
	broom snakeweed	GUSA2	Gutierrezia sarothrae	5–16	
29		1	ı	16–26	
	Shrub (>.5m)	2SHRUP	Shrub (>.5m)	16–26	

### **Animal community**

This site provides habitats which support a resident animal community that is characterized by desert cottontail, spotted ground squirrel, Merriam's kangaroo rat, cactus mouse, white-throated woodrat, gray fox, spotted skunk, roadrunner, Swainson's hawk, white-necked raven, cactus wren, pyrrhuloxia, lark sparrow, mourning dove, scaled quail, leopard lizard, round-tailed horned lizard, prairie rattlesnake, marbled whiptail, and greater earless lizard. Where associated with limestone hills, mule deer utilize this site.

Where large woody shrubs occur, most resident birds and scissor-tailed flycatcher, morning dove, lark sparrow and Swainson's hawk nest.

## Hydrological functions

The runoff curve numbers are determined by field investigations using hydraulic cover conditions and hydrologic soil groups.

Hydrologic Interpretations Soil Series------ Hydrologic Group Lozier------ D Potter------ C Tencee------ D Upton------ C Kimbrough------ D Upton------ D Ector------ D

## **Recreational uses**

This site offers recreation potential for hiking, horseback riding, rock hunting, nature photography and bird hunting and birding. During years of abundant spring moisture, a colorful array of wild flowers is displayed during May and June. A few summer and fall flowers also occur.

### Wood products

This site has no potential for wood production.

# **Other products**

This site is suited for grazing by all kinds and classes of livestock during all seasons of the year. Missmanagement will cause a decrease in black grama, sideoats grama, and blue grama, bush muhly and New Mexico feathergrass. A corresponding increase in bare ground will occur. There will also be an increase in muhlys, fluffgrass, creosotebush, javalinabush, catclaw, and mesquite. This site will respond best to a system of management that rotates the season of use.

# **Other information**

Guide to Suggested Initial Stocking Rate Acres per Animal Unit Month Similarity Index------ Ac/AUM

100 - 76----- 3.7 - 4.5 75 - 51----- 4.3 - 5.5

- 50 26----- 5.3 10.0
- 25 0----- 10.1 +

# Inventory data references

Data collection for this site was done in conjunction with the progressive soil surveys within the Southern Desertic Basins, Plains and Mountains, Major Land Resource Areas of New Mexico (SD-3). This site has been mapped and

# Other references

Literature Cited:

1. Humphrey, R.R. 1974. Fire in the deserts and desert grassland of North America. In: Kozlowski, T. T.; Ahlgren, C. E., eds. Fire and ecosystems. New York: Academic Press: 365-400.

2. Hennessy, J.T., R.P. Gibbens, J.M. Tromble, and M. Cardenas. 1983. Water properties of caliche. J. Range Manage. 36: 723-726.

3. U.S. Department of Agriculture, Natural Resources Conservation Service. 2001. Soil Quality Information Sheets. Rangeland Soil Quality—Infiltration, Organic Matter, Rangeland Sheets 5,6. [Online]. Available: http://www.statlab.iastate.edu/survey/SQI/range.html

## Contributors

David Trujillo Don Sylvester

## Rangeland health reference sheet

Interpreting Indicators of Rangeland Health is a qualitative assessment protocol used to determine ecosystem condition based on benchmark characteristics described in the Reference Sheet. A suite of 17 (or more) indicators are typically considered in an assessment. The ecological site(s) representative of an assessment location must be known prior to applying the protocol and must be verified based on soils and climate. Current plant community cannot be used to identify the ecological site.

Author(s)/participant(s)	
Contact for lead author	
Date	
Approved by	
Approval date	
Composition (Indicators 10 and 12) based on	Annual Production

### Indicators

- 1. Number and extent of rills:
- 2. Presence of water flow patterns:
- 3. Number and height of erosional pedestals or terracettes:
- 4. Bare ground from Ecological Site Description or other studies (rock, litter, lichen, moss, plant canopy are not bare ground):

- 5. Number of gullies and erosion associated with gullies:
- 6. Extent of wind scoured, blowouts and/or depositional areas:
- 7. Amount of litter movement (describe size and distance expected to travel):
- 8. Soil surface (top few mm) resistance to erosion (stability values are averages most sites will show a range of values):
- 9. Soil surface structure and SOM content (include type of structure and A-horizon color and thickness):
- 10. Effect of community phase composition (relative proportion of different functional groups) and spatial distribution on infiltration and runoff:
- 11. Presence and thickness of compaction layer (usually none; describe soil profile features which may be mistaken for compaction on this site):
- 12. Functional/Structural Groups (list in order of descending dominance by above-ground annual-production or live foliar cover using symbols: >>, >, = to indicate much greater than, greater than, and equal to):

Dominant:

Sub-dominant:

Other:

Additional:

- 13. Amount of plant mortality and decadence (include which functional groups are expected to show mortality or decadence):
- 14. Average percent litter cover (%) and depth ( in):
- 15. Expected annual annual-production (this is TOTAL above-ground annual-production, not just forage annualproduction):
- 16. Potential invasive (including noxious) species (native and non-native). List species which BOTH characterize degraded states and have the potential to become a dominant or co-dominant species on the ecological site if

their future establishment and growth is not actively controlled by management interventions. Species that become dominant for only one to several years (e.g., short-term response to drought or wildfire) are not invasive plants. Note that unlike other indicators, we are describing what is NOT expected in the reference state for the ecological site:

17. Perennial plant reproductive capability:

00496

#005 Map 9

Geological

RDX Federal 9 #005/Figure G

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s\04



# **ATTACHMENT 4**



Dhugal Hanton <vertexresourcegroupusa@gmail.com>

# 48 Hr Notification Liner Inspection nAPP2204537247

1 message

Dhugal Hanton <vertexresourcegroupusa@gmail.com> To: "Enviro, OCD, EMNRD" <OCD.Enviro@state.nm.us> Cc: jim.raley@dvn.com Tue, Feb 22, 2022 at 8:53 AM

All,

Please accept this email as 48-hr notification that Vertex Resource Services has scheduled a liner inspection to be conducted at RDX Federal 9 #005 for the following releases:

nAPP2204537247 DOR: 02/07/2022

This work will be completed on behalf of WPX Energy Permian, LLC/Devon Energy.

On Thursday, February 24, 2022 at approximately 9:00 a.m., Monica Peppin, will be onsite to conduct a liner inspection. She can be reached at 575-361-9880. If you need directions to the site, please do not hesitate to contact her. If you have any questions or concerns regarding this notification, please give me a call at 575-361-9880.

Thank you,

### **Monica Peppin**

Sr. Environmental Technician

Vertex Resource Services Inc. 3101 Boyd Drive, Carlsbad, NM 88220

P 575.725.5001 Ext. 711 C 575.361.9880 F

www.vertex.ca

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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

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	101443
	Action Type:
	[C-141] Release Corrective Action (C-141)

#### CONDITIONS

Created By Condition

We have received your closure report and final C-141 for Incident #NAPP2204537247 RDX FEDERAL 9 #005, thank you. This closure is approved. 5/16/2022 rhamlet

CONDITIONS

Action 101443

Condition Date