	Page 1 of	28
Incident ID	nAPP2224933522	
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?	(ft bgs)
Did this release impact groundwater or surface water?	Yes X 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 X 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 X 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 X 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 X 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 ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil
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 well 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	s.

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: 11/7/2022 9:26:00 AM
State of New Mexico
Page 4
Oil Conservation Division

Incident ID nAPP2224933522

District RP
Facility ID

Application ID

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Incident ID	nAPP2224933522	
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.

<ul> <li>         \[</li></ul>	ıles
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 research.	ıles
☐ ☐ 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 remainders.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD re	
and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
Printed Name: Dale Woodall Title: Env. Professional	
Signature: Dals Woodall Date: 11/7/2022	
email: <u>dale.woodall@dvn.com</u> Telephone: <u>575-748-1838</u>	
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 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 5614 N. Lovington Highway Hobbs, NM 88240 575-964-7740

September 23, 2022

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

**RE:** Liner Inspection and Closure Report

Rattlesnake 13-12 Fed Com 1H Well pad

**API No. 30-025-40912** 

GPS: Latitude 32.037321 Longitude -103.416336 UL P, Section 13, Township 26S, Range 34E NMOCD Reference No. NAPP2224933522

Devon Energy Production Company (Devon) has contracted Pima Environmental Services, LLC (Pima) to perform a liner inspection and prepare this closure report for a crude oil release that happened at the Rattlesnake 13-12 Fed Com 1H Well pad (Rattlesnake). An initial C-141 was submitted on September 14, 2022, and can be found in Appendix B. This incident was assigned Incident ID NAPP2224933522, by the New Mexico Oil Conservation Division (NMOCD).

#### **Site Information and Site Characterization**

The Rattlesnake is located approximately fourteen (14) miles west of Jal, NM. This spill site is in Unit P, Section 13, Township 26S, Range 34E, Latitude 32.037321 Longitude -103.416336, Lea County, NM. A Location Map can be found in Figure 1.

Based upon New Mexico Office of the State Engineer well water data, depth to the nearest groundwater in this area is 230 feet below grade surface (BGS). According to the United States Geological Survey well water data, depth to the nearest groundwater in this area is 194 feet BGS. See Appendix A for referenced water surveys. The Rattlesnake is in a low karst area (Figure 3). A Topographic Map can be found in Figure 2.

#### **Release Information**

**NAPP2224933522:** On September 5, 2022, it was discovered that a crude oil tank over spilled. Approximately 56 barrels (bbls) of crude oil was released from the tank. A vacuum truck was dispatched and recovered 55 bbls of fluid from the lined SPCC containment ring. The remaining 1 bbl of fluid soaked into the soils that have accumulated into the containment and will be recovered when the containment is cleaned and washed out. Once standing fluids were removed, several areas under the remaining saturated soils were cleared away and the liner was visually inspected by Devon field staff for any pinholes or punctures; none were found. Based on this inspection there is no evidence that the spilled fluids left containment.

A Site Map can be found in Figure 4.

#### **Site Assessment and Liner Inspection**

On September 22, 2022, after sending the 48-hour notification email, Pima Environmental conducted a liner inspection at this location. We concluded that this liner and containment maintained its integrity and was able to retain the fluids. The liner inspection form and photographic documentation can be found in Appendix C.

#### **Closure Request**

After careful review, Pima requests that this incident, NAPP2224933522 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 <a href="mailto:tom@pimaoil.com">tom@pimaoil.com</a>.

#### **Attachments**

## Figures:

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

#### Appendices:

Appendix A- Referenced Water Surveys

Appendix B- C-141 Form & 48 Hour Notification

Appendix C- Liner Inspection Form & Photographic Documentation



# Figures:

1-Location Map

2-Topographic Map

3-Karst Map

4-Site Map





# Appendix A

Water Surveys:

OSE

**USGS** 



# 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													
		Sub-		Q	Q	Q								V	Vater
POD Number	Code	basin	County	64	16	4	Sec	Tws	Rng	X	Y	DistanceDep	thWellDep	thWater Co	olumn
<u>C 04601 POD1</u>		CUB	LE	3	4	3	05	26S	35E	651710	3548919	3912			
C 04583 POD1		CUB	LE	3	3	3	15	26S	34E	644920	3545643	4614	55		
<u>CP 01305 POD1</u>		CP	LE		1	4	31	25S	37E	655628	3551065	8140	420	230	190
<u>C 02299</u>		CUB	LE	4	2	4	24	25S	34E	649517	3554125	8456	350	300	50
C 04626 POD1		CUB	LE	4	2	1	18	26S	34E	640644	3546672	8946			

Average Depth to Water:

265 feet

Minimum Depth:

230 feet

Maximum Depth:

300 feet

**Record Count:** 5

**UTMNAD83 Radius Search (in meters):** 

Easting (X): 649534.16 Northing (Y): 3545668.3 Radius: 9000

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.

9/21/22 1:32 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER



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.
- Attention current WaterAlert users: NextGen WaterAlert is replacing Legacy WaterAlert. You must take action before 9/30/2022 to retain your alerts. Read more.
- Full News

## Groundwater levels for the Nation

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

## Search Results -- 1 sites found

site\_no list =

320104103174901

## Minimum number of levels = 1

Save file of selected sites to local disk for future upload

## USGS 320104103174901 26S.36E.30.2421 J-34

Available data for this site	Groundwater: Field measurements	~	GO
Lea County, New Mexico			

Hydrologic Unit Code 13070007

Latitude 32°01'03.5", Longitude 103°17'48.9" NAD83

Land-surface elevation 2,921 feet above NAVD88

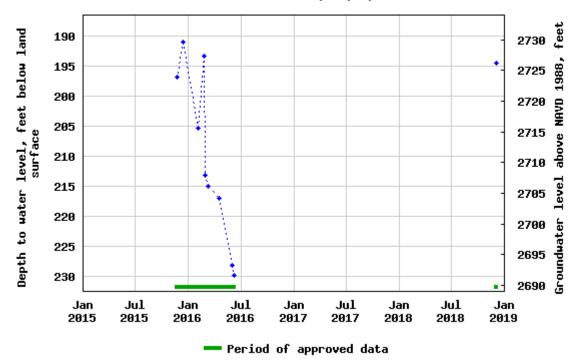
This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer.

This well is completed in the Quaternary Alluvium (110ALVM) local aquifer.

## **Output formats**

Table of data	
Tab-separated data	
Graph of data	
Reselect period	

#### USGS 320104103174901 265.36E.30.2421 J-34



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: 2022-09-20 16:14:09 EDT

0.53 0.45 nadww02





# Appendix B

C-141 Form

48-Hour Notification

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

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	
District RP	
Facility ID	
Application ID	

# **Release Notification**

## **Responsible Party**

Responsible	Party			OGRID	OGRID		
Contact Nam	ne			Contact Te	Contact Telephone		
Contact ema	il			Incident #	(assigned by OCD)		
Contact mail	ing address			1			
			T	an i			
			Location	of Release So	ource		
Latitude				Longitude _			
			(NAD 83 in de	cimal degrees to 5 decim	nal places)		
Site Name				Site Type			
Date Release	Discovered			API# (if app	licable)		
Unit Letter	Section	Township	Range	Coun	ntv	7	
Cint Ection	Section	10 wilsimp	range		,	1	
						_	
Surface Owner	r: State	☐ Federal ☐ Tr	ribal Private (A	Name:		)	
			Notare on	d Walssmaac f I	Dalaasa		
			Nature and	d Volume of I	Keiease		
				calculations or specific		e volumes provided below)	
Crude Oi		Volume Release			Volume Reco		
Produced	Water	Volume Release	• •		Volume Reco	` '	
			tion of total dissol water >10,000 mg		Yes N	No	
Condensa	ite	Volume Release		2/1:	Volume Recovered (bbls)		
Natural G	ias	Volume Release	ed (Mcf)		Volume Recovered (Mcf)		
Other (de	scribe)	Volume/Weight	Released (provide	e units)	Volume/Weig	ght Recovered (provide units)	
,	,		· ·	,		<b>.</b>	
Cause of Rel	ease	l					

Received by OCD: 11/7/2022 9:26:00 AM Form C-141 State of New Mexico Page 2 Oil Conservation Division

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ncident ID	
District RP	
acility ID	

Application ID

Was this a major release as defined by	If YES, for what reason(s) does the respon	nsible party consider this a major release?
19.15.29.7(A) NMAC?		
☐ Yes ☐ No		
If VES, was immediate no	otice given to the OCD? By whom? To w	nom? When and by what means (phone, email, etc)?
II 125, was ininediate in	once given to the OCD: By whom: 10 wi	when and by what means (phone, eman, etc).
	Initial R	esponse
The responsible p	party must undertake the following actions immediate	y unless they could create a safety hazard that would result in injury
☐ The source of the rele	ease has been stopped.	
☐ The impacted area ha	s been secured to protect human health and	the environment.
Released materials ha	we been contained via the use of berms or o	likes, absorbent pads, or other containment devices.
	ecoverable materials have been removed an	
If all the actions described	d above have <u>not</u> been undertaken, explain	why:
has begun, please attach	a narrative of actions to date. If remedial	emediation immediately after discovery of a release. If remediation efforts have been successfully completed or if the release occurred blease attach all information needed for closure evaluation.
		best of my knowledge and understand that pursuant to OCD rules and
public health or the environn	ment. The acceptance of a C-141 report by the C	fications and perform corrective actions for releases which may endanger OCD does not relieve the operator of liability should their operations have
		at to groundwater, surface water, human health or the environment. In responsibility for compliance with any other federal, state, or local laws
Printed Name:		Title:
Signature: Kendra	Ruiz	Date:
		Telephone:
OCD Only		
Received by:Joc	elyn Harimon	Date:09/14/2022_

Spills In Lined Co	ontainment			
Measurements Of Standing Fluid				
Length(Ft)	120			
Width(Ft)	30			
Depth(in.)	1.25			
Total Capacity without tank displacements (bbls)	66.79			
No. of 500 bbl Tanks In Standing Fluid No. of Other Tanks In Standing Fluid	3			
OD Of Other Tanks In Standing Fluid(feet)				
Total Volume of standing fluid accounting for tank displacement.	56.29			

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Incident ID	nAPP2224933522
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.

(ft bgs)				
Yes X No				
Yes No				
Yes No				
Yes X No				
Yes X No				
Yes X No				
Yes X No				
Yes No				
Yes No				
Yes No				
Yes X No				
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.				
s.				

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.

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 4000 = 0			ì	

Incident ID	nAPP2224933522
District RP	
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.			
Printed Name: Dale Woodall	Title: Env. Professional		
Signature: Dale Woodall	Date:11/7/2022		
email:dale.woodall@dvn.com	Telephone:575-748-1838		
OCD Only			
Received by:	Date:		

New Mexico

Incident ID	nAPP2224933522
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.			
x 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)	s 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 rehuman health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regularestore, reclaim, and re-vegetate the impacted surface area to the coaccordance with 19.15.29.13 NMAC including notification with 19.15.29.13	ations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in OCD when reclamation and re-vegetation are complete.			
Printed Name: Dale Woodall	Title:Env. Professional			
Printed Name: Dale Woodall Signature: Dale Woodall	Date:11/7/2022			
email: dale.woodall@dvn.com	Telephone: <u>575-748-1838</u>			
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: <u>Jennifer Nobui</u>	Date: 12/02/2022			
Printed Name: Jennifer Nobui	Title:Environmental Specialist A			



Gio PimaOil <gio@pimaoil.com>

## **Liner Inspection NAPP2224933522**

1 message

Gio PimaOil <gio@pimaoil.com>

Mon, Sep 19, 2022 at 2:13 PM

To: ocdonline@state.nm.us, Tom Pima Oil <tom@pimaoil.com>

Good Afternoon,

Pima Environmental would like to notify you that we will be conducting a liner Inspection at the Rattlesnake 13-12 Battery for incident NAPP2224933522. Pima personnel are scheduled to be on site for this Inspection event at approximately 8:00 a.m. On Thursday, September 22, 2022. If you have any questions or concerns, please let me know. Thank you.

Gio Gomez Project Manager cell-806-782-1151 Office-575-964-7740 Pima Environmental Services, LLC.



# Appendix C

**Liner Inspection Form** 

Photographic Documentation



# **Liner Inspection Form**

32.00 NAvia E	37321, PP2224	13-12 Fed Com 1H Well pad -103.416336 -933522 9/5/2022 Gio Gomez 9/19/2022	
NAvia E	<u>PP2224</u>	9/5/2022	
via E			
	mail by	Gio Gomez_9/19/2022	
9/22			
	<u>/2022</u>		
Earthen	w/liner	Earthen no liner	Polystar
Steel w/j	poly lin	er Steel w/spray epoxy	No Liner
Yes	No	Comments	
	X		
	X		
	X		
X			
	Yes X	Yes No X X X X	Earthen w/liner Earthen no liner  Steel w/poly liner Steel w/spray epoxy  Yes No Comments  X  X  X



# SITE PHOTOGRAPHS DEVON ENERGY

## **RATTLESNAKE 13-12 BATTERY**

**Liner Inspection** 













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

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 156566

#### **CONDITIONS**

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	156566
	Action Type:
	[C-141] Release Corrective Action (C-141)

#### CONDITIONS

Created By		Condition Date
jnobui	Closure Report Approved.	12/2/2022