of New Mexico

Incident ID nAPP2225025834

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
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	ations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in
Printed Name: Dale Woodall	Title: Environmental Professional
Signature:	Date: 9/23/2022
email: _dale.woodall@dvn.com	Telephone: 405-318-4697
OCD Only	
Received by: Robert Hamlet	Date: 01/24/2023
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.
Closure Approved by: Robert Hamlet	Date: <u>01/24/2023</u>

	Page 2 of 2	5
Incident ID	nAPP2225025834	
District RP		
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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?	134(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 X 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 X 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 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 🗓 No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes 🗷 No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	Yes X 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.	
<ul> <li>Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring well Field data</li> <li>□ Data table of soil contaminant concentration data</li> <li>□ Depth to water determination</li> <li>□ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release</li> <li>□ Boring or excavation logs</li> <li>□ Photographs including date and GIS information</li> <li>□ Topographic/Aerial maps</li> <li>□ Laboratory data including chain of custody</li> </ul>	ls.

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.

	Page 3 of	<i>25</i>
Incident ID	nAPP2225025834	
District RP		
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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 repluman health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regular restore, reclaim, and re-vegetate the impacted surface area to the coaccordance with 19.15.29.13 NMAC including notification with 19.1	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:Environmental Professional
Signature: Dals Woodall	Date: 11/8/2022
email: dale.woodall@dvn.com	Telephone:405-318-4697
OCD Only	
Received by: Jocelyn Harimon	Date: 11/08/2022
	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:



575-964-7740

September 23, 2022

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

**RE:** Liner Inspection and Closure Report

C 17 State 23S27E-D Pad API No. 30-015-44534

GPS: Latitude 32.308908 Longitude -104.206501 UL A, Section 17, Township 23S, Range 27E NMOCD Reference No. NAPP2225025834

Devon Energy Production Company (Devon) has contracted Pima Environmental Services, LLC (Pima) to perform a liner inspection and prepare this closure report for a produced water release that happened at the C 17 State 23S27E-D Pad (C17). An initial C-141 was submitted on September 14, 2022, and can be found in Appendix B. This incident was assigned Incident ID NAPP2225025834, by the New Mexico Oil Conservation Division (NMOCD).

#### Site Information and Site Characterization

The C17 is located approximately six (6) miles west of Loving, NM. This spill site is in Unit A, Section 17, Township 23S, Range 27E, Latitude 32.314042 Longitude -103.709243, Eddy 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 150 feet below grade surface (BGS). According to the United States Geological Survey well water data, depth to the nearest groundwater in this area is 134 feet BGS. See Appendix A for referenced water surveys. The C17 is in a medium karst area (Figure 3). A Topographic Map can be found in Figure 2.

#### **Release Information**

<u>NAPP2225025834</u>: On September 6, 2022, it was discovered that a water line had developed a leak. Approximately 9.4 barrels (bbls) of produced water was released from the water line. A vacuum truck was dispatched and recovered all 9.4 bbls of fluid from the lined SPCC containment ring. Once fluids were removed, the liner was visually inspected by Devon field staff for any pinholes or punctures, and 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, NAPP2225025834 be closed. Devon has complied with the applicable closure requirements.

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

#### **Attachments**

#### Figures:

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

#### Appendices:

Appendix A- Referenced Water Surveys

Appendix B- C-141 Form & 48 Hour Notification

Appendix C- Liner Inspection Form & Photographic Documentation



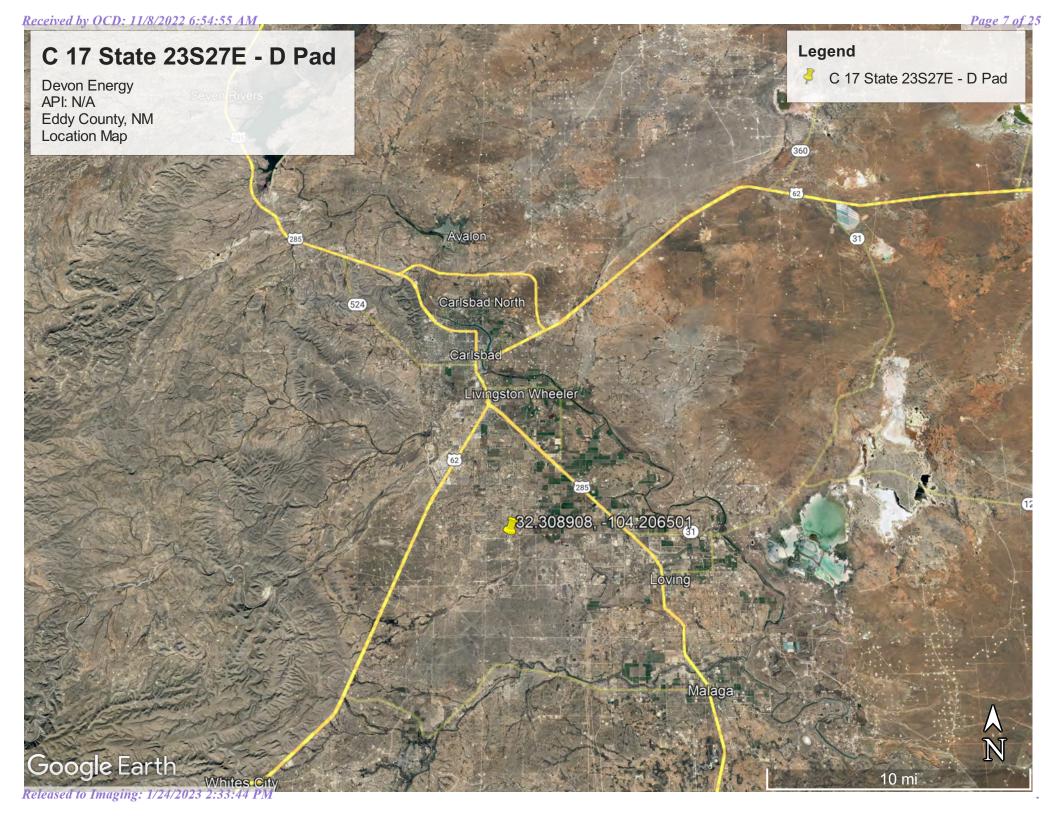
## Figures:

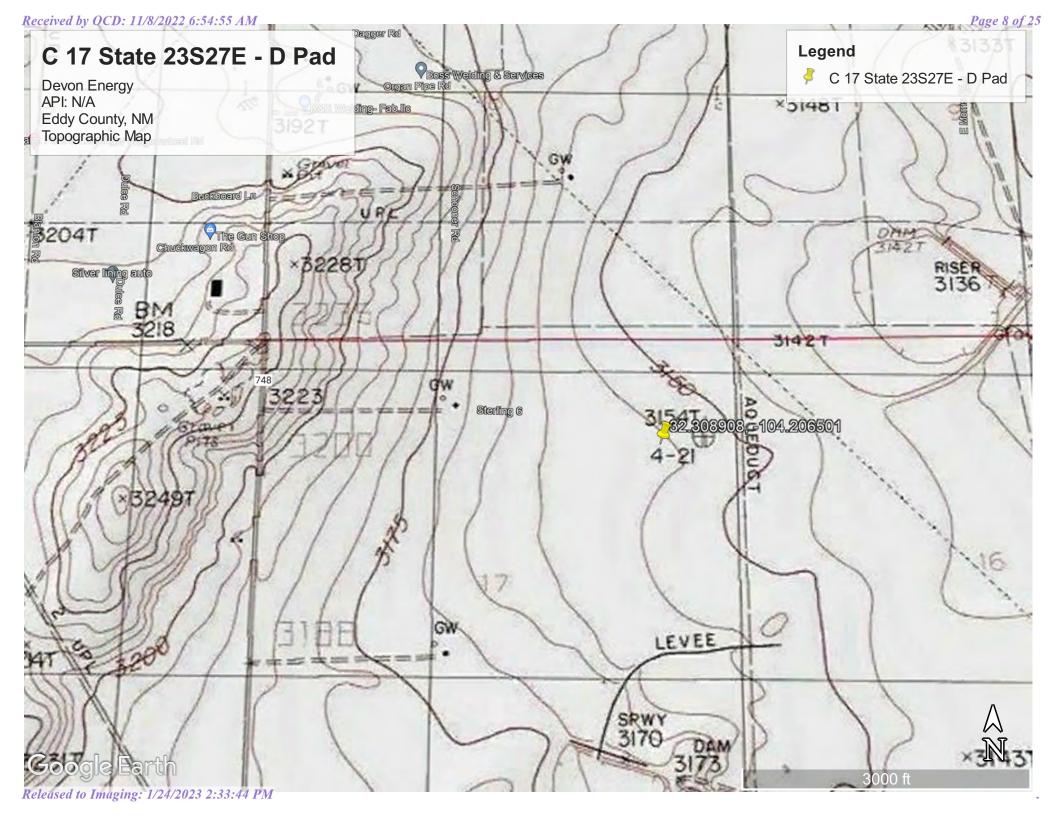
1-Location Map

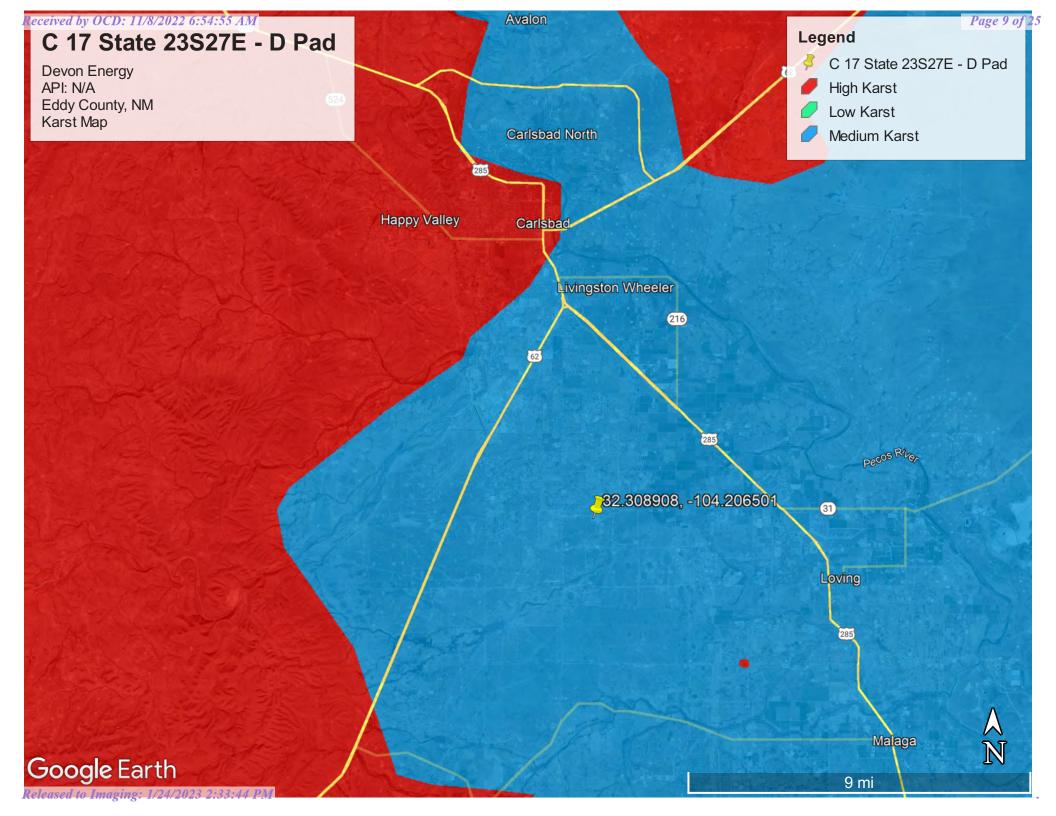
2-Topographic Map

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									Water
POD Number	Code	basin	County	64	16	4	Sec	Tws	Rng	X	Y	DistanceDe	pthWellDep	thWater (	Column
C 04044 POD1		CUB	ED	3	2	3	09	23S	27E	575504	3575907	1248	290	150	140
<u>C 04429 POD1</u>		C	ED	4	4	1	08	23S	27E	574102	3576270	1447	400	350	50
<u>C 01618</u>		C	ED	4	4	4	07	23S	27E	573252	3575384*	1510	250		
<u>C 00195</u>		CUB	ED	4	1	4	09	23S	27E	576069	3575827*	1624	128	83	45
<u>C 04581 POD1</u>		C	ED	3	1	1	09	23S	27E	575167	3576589	1702	165	109	56
<u>C 03005</u>		C	ED	3	4	4	07	23S	27E	573052	3575384*	1703	140	100	40
<u>C 01071</u>		C	ED			1	08	23S	27E	573751	3576499*	1814	279	95	184
<u>C 02191</u>		С	ED			1	08	23S	27E	573751	3576499*	1814	252	75	177
<u>C 01632</u>		С	ED	3	2	4	07	23S	27E	573050	3575789*	1849	162	100	62
C 01632 CLW197648	О	C	ED	3	2	4	07	23S	27E	573050	3575789*	1849	162	100	62
C 01632 POD2		C	ED	3	2	4	07	23S	27E	573050	3575789*	1849	173	100	73

Average Depth to Water:

126 feet

Minimum Depth:

75 feet

Maximum Depth:

350 feet

Record Count: 11

UTMNAD83 Radius Search (in meters):

**Easting (X):** 574699.75 **Northing (Y):** 3574952.54 **Radius:** 2000

\*UTM location was derived from PLSS - see Help

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.

9/22/22 5:31 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 =

321727104131801

#### Minimum number of levels = 1

Save file of selected sites to local disk for future upload

#### USGS 321727104131801 23S.27E.19.421232

Available data for this site	Groundwater:	Field measurements	~	GO
Eddy County, New Mexico				
Hydrologic Unit Code 1306	0011			
atitude 32º17'27" Longi	tude 104°1	3'18" NAD27		

Latitude 32°17'27", Longitude 104°13'18" NAD27 Land-surface elevation 3,190 feet above NAVD88

The depth of the well is 180 feet below land surface.

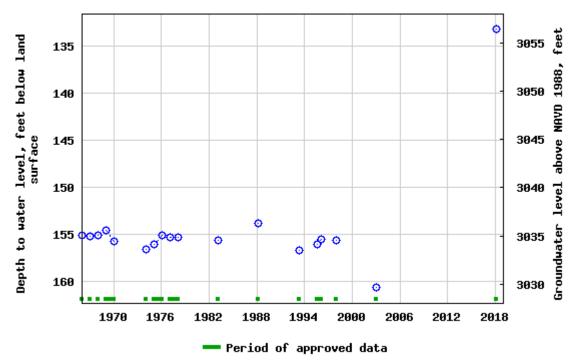
This well is completed in the Other aquifers (N9999OTHER) national aquifer.

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

#### **Output formats**

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

#### USGS 321727104131801 235,27E,19,421232



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 14:07:33 EDT

0.59 0.52 nadww01





## 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	ie			Contact Te	Contact Telephone			
Contact emai	1			Incident #	(assigned by OCD)			
Contact mail	ing address			1				
			Location	of Release So	ource			
Latitude			(NAD 83 in dec	Longitude _ cimal degrees to 5 decim	nal places)			
Site Name				Site Type				
Date Release	Discovered			API# (if app	olicable)			
Unit Letter	Section	Township	Range	Coun	nty			
Crude Oil	Material	Federal Tr	Nature and	l Volume of I		e volumes provided below)		
Produced		Volume Released			Volume Recovered (bbls)			
	w ater	Is the concentrate	ion of total dissolv water >10,000 mg		` ´			
Condensa	te	Volume Release	d (bbls)		Volume Recovered (bbls)			
Natural Gas Volume Released (Mcf)					Volume Recovered (Mcf)			
Other (des	scribe)	Volume/Weight	Released (provide	e units)	Volume/Weig	ght Recovered (provide units)		
Cause of Rele	ease							

Received by OCD: 11/8/2022 6254555 AMI
State of New Mexico
Page 2
Oil Conservation Division

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P	ağ	e	$\boldsymbol{u}$	9.	O.	$\nu$	Z.	ð

Incident ID	
District RP	
Facility 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 YES, was immediate no	tice given to the OCD? By whom? To wl	nom? When and by what means (phone, email, etc)?
11 1 22, 1140 111110 1111	ground and e eleving manner to ma	(Pilone, Villan, Villa
	Initial R	esponse
The responsible p	party must undertake the following actions immediated	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 has	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	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 clease attach all information needed for closure evaluation.
regulations all operators are public health or the environm failed to adequately investigations.	required to report and/or file certain release notinent. The acceptance of a C-141 report by the Cate and remediate contamination that pose a three	best of my knowledge and understand that pursuant to OCD rules and fications and perform corrective actions for releases which may endanger DCD 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:Jocelyn	n Hsrimon	Date:09/14/2022

of New Mexico

Incident ID nAPP2225025834

Incident ID	nAPP2225025834
District RP	
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## **Site Assessment/Characterization**

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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
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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 X No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes k☐ 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 X 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 No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	Yes X 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
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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.

Page 19 of 25

Incident ID	nAPP2225025834
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Closure Report Attachment Checklist: Each of the following i	tems must be included in the closure report.
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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 ODC	C District office must be notified 2 days prior to final sampling)
Description of remediation activities	
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Signature:	Date: 9/23/2022
email: dale.woodall@dvn.com	Telephone: 405-318-4697
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:



Gio PimaOil <gio@pimaoil.com>

## Liner Inspection NAPP2225673950 & NAPP2225025834

1 message

Gio PimaOil <gio@pimaoil.com>

Mon, Sep 19, 2022 at 2:10 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 C 17 State 1 for incident NAPP2225673950 & NAPP2225025834. Pima personnel are scheduled to be on site for this Inspection event at approximately 7:00 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**

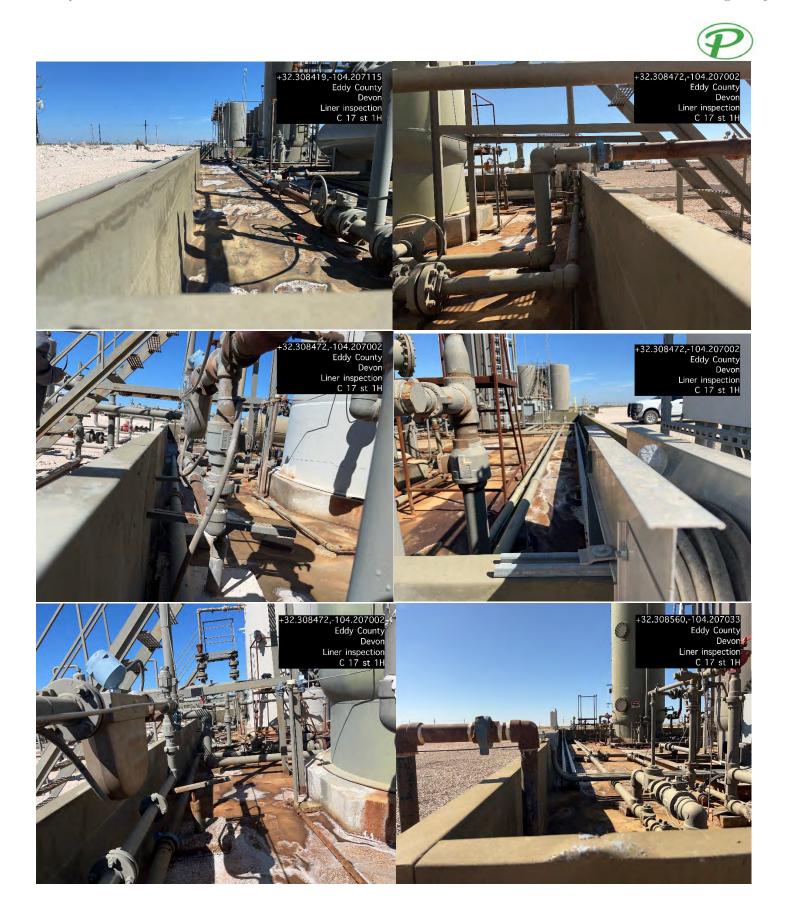
Company Name:	Devon I	Energy		
Site:	C 17	State	_	
Lat/Long:	32.3	08908,		
NMOCD Incident ID & Incident Date:	NA	.PP222	5025834 9/6/2022	
2-Day Notification Sent:	via E	mail by	y Gio Gomez_9/19/2022	
Inspection Date:	9/22	/2022_		
Liner Type:	Earthen	w/line	Earthen no liner	Polystar
	Steel w/	poly lii	ner Steel w/spray epoxy	No Liner
Other:				
Visualization	Yes	No	Comments	
Is there a tear in the liner?		X		
Are there holes in the liner?	;	X		
Is the liner retaining any fluids?		X		
Does the liner have integrity to contain a leak?	X			
Comments:				
Inspector Name: <u>Ru</u>	dy Alva	rez	Inspector Signature:	Awarez



# SITE PHOTOGRAPHS DEVON ENERGY C 17 STATE 1

**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 156927

#### **CONDITIONS**

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	156927
	Action Type:
	[C-141] Release Corrective Action (C-141)

#### CONDITIONS

Created E		Condition Date
rhamle	We have received your closure report and final C-141 for Incident #NAPP2225025834 C 17 STATE #001H, thank you. This closure is approved.	1/24/2023