Page 6

Oil Conservation Division

Incident ID	NRM2014332937
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.  $\mathbf{x}$  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 of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection) Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling) X Description of remediation activities I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete. 

 Printed Name:
 Wes Mathews
 Title:
 EHS Professional

 Signature:
 Wesley Mathews
 Date:
 6/22/2022

<sub>email:</sub> wesley.mathews@dvn.com Telephone: 575-513-8608 **OCD Only** Jocelyn Harimon Received by: Date: 08/29/2022 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>Robert Hamlet</u> Date: <u>11/29/2022</u> Printed Name: \_\_\_\_\_ Robert Hamlet \_\_\_\_\_\_ Title: \_\_Environmental Specialist - Advanced



Pima Environmental Services 5614 N. Lovington Highway Hobbs, NM 88240 575-964-7740

June 23, 2022

Bureau of Land Management 620 East Green Street Carlsbad, NM 88220

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

#### RE: Liner Inspection and Closure Report Tomb Raider 1 CTB 1 API No. N/A GPS: Latitude 32.3379572 Longitude -103.733158 UL- C, Section 1, Township 23S, Range 31E NMOCD Reference No. NRM2014332937

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 Tomb Raider 1 CTB 1 (Tomb). An initial C-141 was submitted on May 19, 2020, and can be found in Appendix B. This incident was assigned Incident ID NRM2014332937, by the New Mexico Oil Conservation Division (NMOCD).

#### Site Information and Site Characterization

The Tomb is located approximately twenty-one (21) miles East of Lovin, NM. This spill site is in Unit C, Section 1, Township 23S, Range 31E, Latitude 32.3379572 Longitude -103.733158, 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 639 feet below grade surface (BGS). According to the United States Geological Survey well water data, depth to the nearest groundwater in this area is 196 feet BGS. See Appendix A for referenced water surveys. The Tomb is in a low karst area (Figure 3). A Topographic Map can be found in Figure 2.

#### **Release Information**

**NRM2014332937**: On May 4, 2020, A stainless line for the water transfer pump washed out causing fluid release into lined containment. Approximately 84.47 barrels (bbls) of produced water was released. A vacuum truck was dispatched and recovered all 83 bbls of total 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 June 22, 2022, after sending the 48-hour notification via 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, NRM2014332937 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.

Respectfully,

Tom Bynum

Tom Bynum Project Manager Pima Environmental Services, LLC

#### **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

#### Received by OCD: 8/29/2022 2:15:18 PM Tomb Raider 1 CTB 1

62

Devon Energy AP# N/A Eddy, County,NM Location Map

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LegendPage 5 of 25Image: Tomb Raider 1 CTB 1

62 📹

Tomb Raider 1 CTB 1 🕹

31 Loving

Malaga



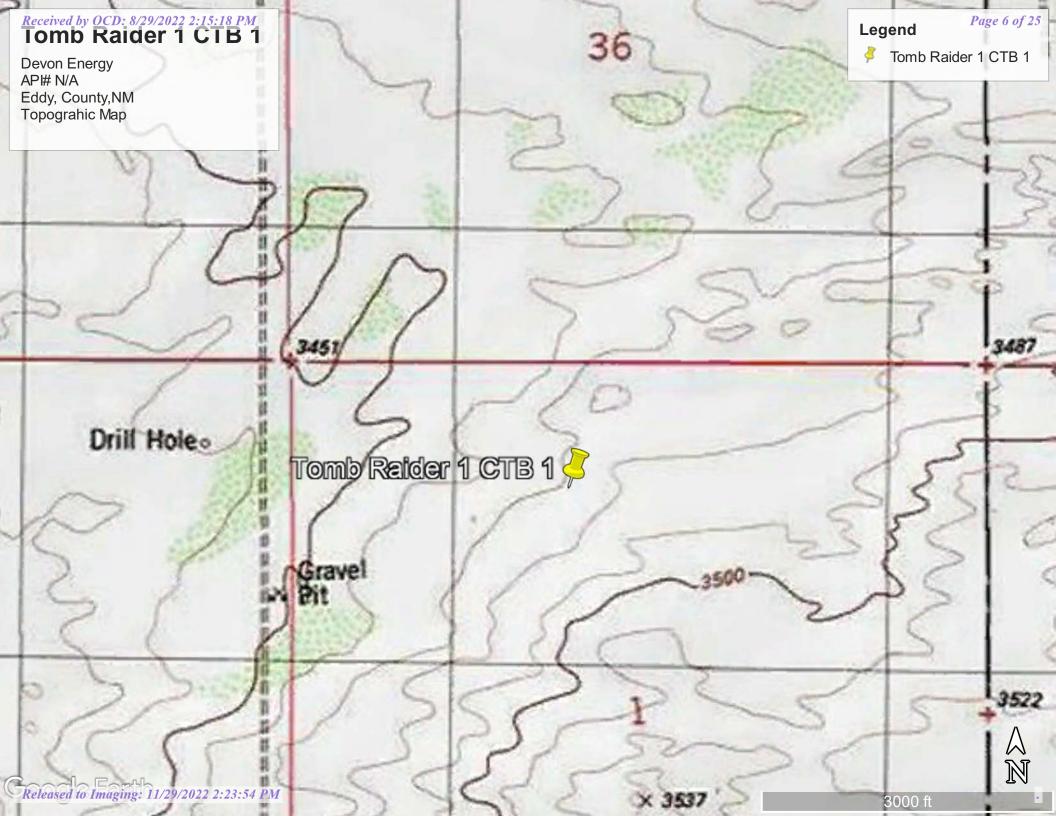


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176

10 mi

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#### Received by OCD: 8/29/2022 2:15:18 PM TOMD Raider 1 CTB 1

Devon Energy AP# N/A Eddy, County,NM Karst Map



# Tomb Raider 1 CTB 1 🗸

128

Google Earth //29/2022 2:23:54 PM

7 mi

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#### Received by OCD: 8/29/2022 2:15:18 PM Tomb Raider 1 CTB 1

Devon Energy API# N/A Eddy, County,NM Site Map 
 Legend
 Page 8 of 25

 Image 7
 Image 7

 Image 8
 Image 8

 Image 8
 Image 8</

# Tomb Raider 1 CTB 1 🗸







# 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	(R=POD been rep O=orpha C=the fil	laced, ned,		(	้อมจ	rter	c are	1=NW	/ <b>2=N</b> F	3=SW 4=S	E)				
water right file.)	closed)	e 18		```					est to la		NAD83 UTM in m	neters)	(In fe	eet)	
	<i>,</i>	POD													
		Sub-		-	Q	-									Vater
POD Number	Code		County						0	X	Y	-	othWellDept	hWater Co	olumn
<u>C 02756</u>		CUB	ED	3	4	4	26	22S	31E	618250	3580606* 🌍	2228	1998		
<u>C 03152</u>		CUB	ED	3	4	4	26	22S	31E	618250	3580606* 😜	2228	938		
<u>C 03138</u>		CUB	ED	3	3	3	26	22S	31E	617043	3580591* 🌍	2952	750		
<u>C 02773</u>		CUB	ED	4	1	3	03	23S	31E	615668	3577762* 🌍	3653	880		
<u>C 02777</u>		CUB	ED	4	4	4	10	23S	31E	616974	3575662 🌍	3701	890		
<u>C 03749 POD1</u>		CUB	ED		2	2	15	23S	31E	616974	3575662 🌍	3701	865	639	226
											Averag	ge Depth to Wat	er:	639 fee	et
												Minimum De	pth:	639 fee	et
												Maximum Dep	pth:	639 fee	et
Record Count: 6															
UTMNAD83 Radius	<u>Search (ii</u>	1 meters	<u>):</u>												
<b>Easting (X):</b> 6192	224		North	ing	( <b>Y</b> )	):	3578	8601.22	2		<b>Radius:</b> 4000				
*UTM location was derived f	from PLSS	- see Help	)												
The data is furnished by the N										derstanding t	hat the OSE/ISC ma	ike no warranties,	expressed or im	plied, concern	ning the
accuracy, completeness, reliabi	lity, usabilit	y, or suita	bility for an	y pa	rticu	ılar	purpo	ose of th	e data.						

WATER COLUMN/ AVERAGE DEPTH TO WATER



USGS Home Contact USGS Search USGS

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

USGS	Water	Resources	

Groundwater	$\mathbf{\vee}$	Unite
Data Category:		Geogra

phic Area: d States

GO

V

#### 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 =

• 321950103400601

#### Minimum number of levels = 1

Save file of selected sites to local disk for future upload

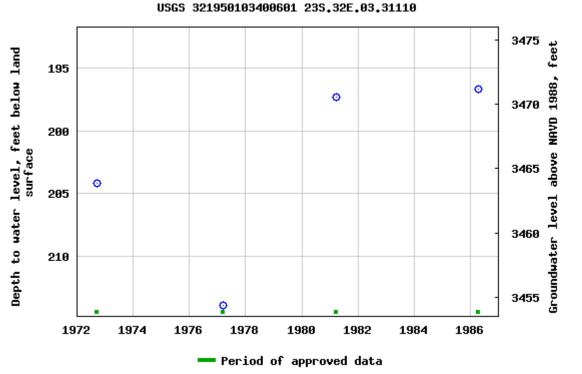
# USGS 321950103400601 23S.32E.03.31110

Available data for this site Groundwater: Field measurements V GO

Lea County, New Mexico Hydrologic Unit Code 13060011 Latitude 32°19'50", Longitude 103°40'06" NAD27 Land-surface elevation 3,668 feet above NAVD88 This well is completed in the Other aquifers (N99990THER) national aquifer. This well is completed in the Chinle Formation (231CHNL) local aquifer.

#### **Output formats**

Table of data	
Tab-separated data	
Graph of data	
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: USGS Water Data Support Team Page Last Modified: 2022-06-20 12:20:15 EDT 0.58 0.48 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 Page 14 bf 25

Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

)

Incident ID	NRM2014332937
District RP	
Facility ID	
Application ID	

# **Release Notification**

### **Responsible Party**

Responsible Party Devon Energy	OGRID 6137
Contact Name Amanda Trujillo Davis	Contact Telephone 575-748-0176
Contact email amanda.davis@dvn.com	Incident # (assigned by OCD)
Contact mailing address 6488 Seven Rivers Highway	

#### **Location of Release Source**

Latitude 32.3379572

Longitude -103.733158

(NAD 83 in decimal degrees to 5 decimal places)

Site Name Tomb Raider 1 CTB 1	Site Type Central Tank Battery
Date Release Discovered 5/4/2020	API# (if applicable)

Unit Letter	Section	Township	Range	County
С	1	23S	31E	Eddy County

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)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls) 84.47	Volume Recovered (bbls) 83
	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	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

The stainless line for the water transfer pump washed out casing an approximately 84 bbls spill of produce water inside lined containment. Please see the attached spill calculator.

Page 2

	Page 15 of 2
Incident ID	NRM2014332937
District RP	
Facility ID	
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? The release was greater than 25 bbls in volume.			
☑ Yes □ No				
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?				
Notified by Amanda Davis Mon 5/4/2020 1:56 PMBLM Releases (blm_nm_cfo_spill@blm.gov) Hamlet, Robert, EMNRD (Robert.Hamlet@state.nm.us) 'Jim.griswold@state.nm.us'				
'mike.bratcher@sta	te.nm.us' Venegas, Victoria, EMNRD Victoria.Venegas@state.nm.us			

#### **Initial Response**

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

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

I 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.

Title: Environmental Professional		
Date: 5/19/2020		
Telephone: 575-748-0176		
Date:5/22/2020		
_		

NRM2014332937

Spills In Line	d Containment			
Measurements Of Standing Fluid				
Length (Ft)	120			
Width(Ft)	60			
Depth(in.)	1			
Total Capacity without tank displacements (bbls)	106.86			
No. of 500 bbl Tanks In Standing Fluid	8			
No. of Other Tanks In Standing Fluid				
OD Of Other Tanks In Standing Fluid(feet)				
Total Volume of standing fluid accounting for tank displacement.	84.47			

Received by OCD: 8/29/2022 2:15:18 PM Form C-141 State of New Mexico

Page 3

Oil Conservation Division

	Page 17 of 2.
Incident ID	NRM2014332937
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 д 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 д 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 д No
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes ᡵ 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.

- X Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- x Field data
- Data table of soil contaminant concentration data
- $\underline{\mathbf{x}}$  Depth to water determination
- $\mathbf{x}$  Determination of water sources and significant watercourses within  $\frac{1}{2}$ -mile of the lateral extents of the release
- Boring or excavation logs
- $\mathbf{x}$  Photographs including date and GIS information
- x Topographic/Aerial maps
- Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Received by OCD: 8/29/2022 2:15:18 PM Form C-141 State of New Mexico				Page 18 of 25
			Incident ID	NRM2014332937
Page 4	Oil Conservation Division	l	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: Wes Mathe Signature: Wesley Ma	athews	bifications and perform cc OCD does not relieve the reat to groundwater, surfa of responsibility for compl 	prrective actions for rele c operator of liability sho ce water, human health liance with any other fec essional	ases which may endanger ould their operations have or the environment. In
email: wesley.mathews@	)dvn.com	Telephone: 575-51	3-8608	
OCD Only Received by: Jocelyn H	łarimon	Date: 08	/29/2022	

Page 6

Oil Conservation Division

Incident ID	NRM2014332937
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.  $\mathbf{x}$  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 of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection) Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling) X Description of remediation activities I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete. Printed Name: Wes Mathews Title: EHS Professional Wesley Mathews \_\_\_\_\_ Date: <u>6/22/2022</u> Signature: <sub>email:</sub> wesley.mathews@dvn.com Telephone: 575-513-8608 **OCD Only** Received by: Jocelyn Harimon Date: 08/29/2022 Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations. Closure Approved by: \_\_\_\_\_ Date: \_\_\_\_\_ Printed Name: Title:



Gio PimaOil <gio@pimaoil.com>

#### **Tomb Raider 1 Liner Inspection**

1 message

**Gio PimaOil** <gio@pimaoil.com> To: ocdonline@state.nm.us, Tom Pima Oil <tom@pimaoil.com> Thu, Jun 9, 2022 at 9:57 AM

Good Morning,

Pima Environmental would like to notify you that we will be conducting a liner Inspection at the Tomb Raider 1 CTB 1 for incident NAPP2127753984. Pima personnel are scheduled to be on site for this Inspection event at approximately 8:00 a.m. On Sunday, June 12, 2022. If you have any questions or concerns, please let me know. Thank you.

--Gio Gomez Environmental 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 Energy			
Site:	Tom Raider 1 CTB 1			
Lat/Long:	32.338054, -103.733170			
NMOCD Incident ID & Incident Date:	<u>NRM2014332937</u>	5/04/2020		
2-Day Notification Sent:	via Email by Gio Gomez	<u>6/20/2022</u>		
Inspection Date:	6/22/2022			
Liner Type:	Earthen w/liner	Earthen no liner	Polystar	
	Steel w/poly liner	Steel w/spray epoxy	No Liner	

Other:

Visualization	Yes	No	Comments
Is there a tear in the liner?		Х	
Are there holes in the liner?		Х	
Is the liner retaining any fluids?		Х	
Does the liner have integrity to contain a leak?	Х		

Comments: \_\_\_\_\_

Inspe	ctor Name:	Ned Rogers	Inspector Signature:	Ned Rogers
				0 / 0 0 0 Co y 0 0



Raider 1 CT Liner Inspec

### SITE PHOTOGRAPHS DEVON ENERGY – LINER INSPECTION

#### TOMB RAIDER 1 CTB 1









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:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	138976
	Action Type:
	[C-141] Release Corrective Action (C-141)

#### CONDITIONS

Created By Condition

rhamlet We have received your closure report and final C-141 for Incident #NRM2014332937 TOMB RAIDER 1 CTB 1, thank you. This closure is approved. 11/29/2022

CONDITIONS

Action 138976

Condition Date