New Mexico Page 1 of 29

Incident ID	nAPP2230964903
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 it	tems must be included in the closure report.				
X A scaled site and sampling diagram as described in 19.15.29.1	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)	of the liner integrity if applicable (Note: appropriate OCD District office				
X Laboratory analyses of final sampling (Note: appropriate ODC	C District office must be notified 2 days prior to final sampling)				
Description of remediation activities					
may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and rerhuman health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regula restore, reclaim, and re-vegetate the impacted surface area to the coaccordance with 19.15.29.13 NMAC including notification to the O	tions. The responsible party acknowledges they must substantially nditions that existed prior to the release or their final land use in CD when reclamation and re-vegetation are complete.				
Printed Name: Wesley Matthews	Title: EHS Professional				
Signature: Wesley Mathews	Date:1/25/2023				
email:wesley.matthews@dvn.com	Telephone: 575-578-6195				
OCD Only					
Received by:Jocelyn Harimon	Date: 01/25/2023				
	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: 5/12/2023				
Printed Name: Robert Hamlet	Title: Environmental Specialist - Advanced				



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

January 11, 2023

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

Maldives 15 CTB 1 API No. N/A

GPS: Latitude 32.308580 Longitude -103.772360 UL- D, Section 15, Township 23S, Range 31E NMOCD Reference No. NAPP2230964903

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/produced water mixed release that happened at the Maldives 15 CTB 1 (Maldives). An initial C-141 was submitted on November 17, 2022, and can be found in Appendix B. This incident was assigned Incident ID NAPP2230964903, by the New Mexico Oil Conservation Division (NMOCD).

#### Site Information and Site Characterization

The Maldives is located approximately twenty-eight (28) miles Southeast of Carlsbad, NM. This spill site is in Unit D, Section 15, Township 23S, Range 31E, Latitude 32.308580 Longitude -103.772360, 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 greater than 125 feet BGS. See Appendix A for referenced water surveys. The Maldives is in a low karst area (Figure 3). A Topographic Map can be found in Figure 2.

### **Release Information**

**NAPP2230964903:** On November 4, 2022. Water tanks ran over. Approximately 25 barrels (bbls) of produced water and 2 barrels (bbls) of Crude Oil was released from the tanks. A vacuum truck was dispatched and recovered all 27 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 December 30, 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, NAPP2230964903 be closed. Devon has complied with the applicable closure requirements.

Should you have any questions or need additional information, please feel free to contact Gio Gomez at 575-964-7740 or Gio@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



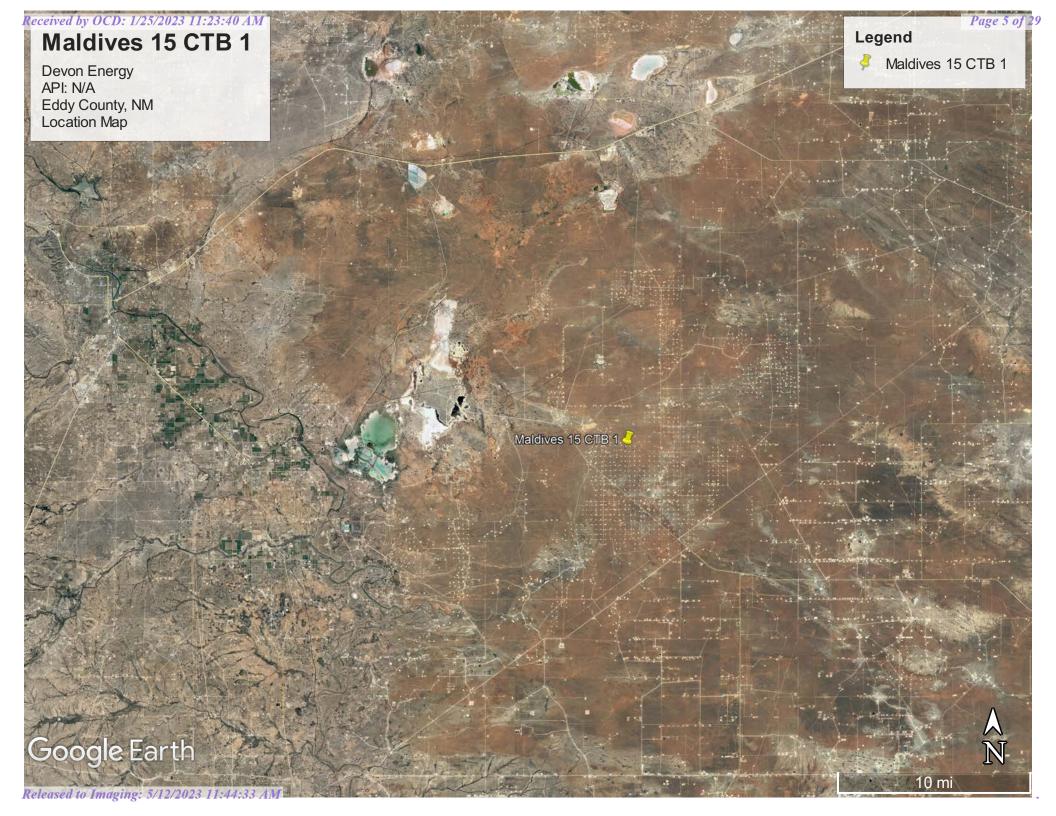
# Figures:

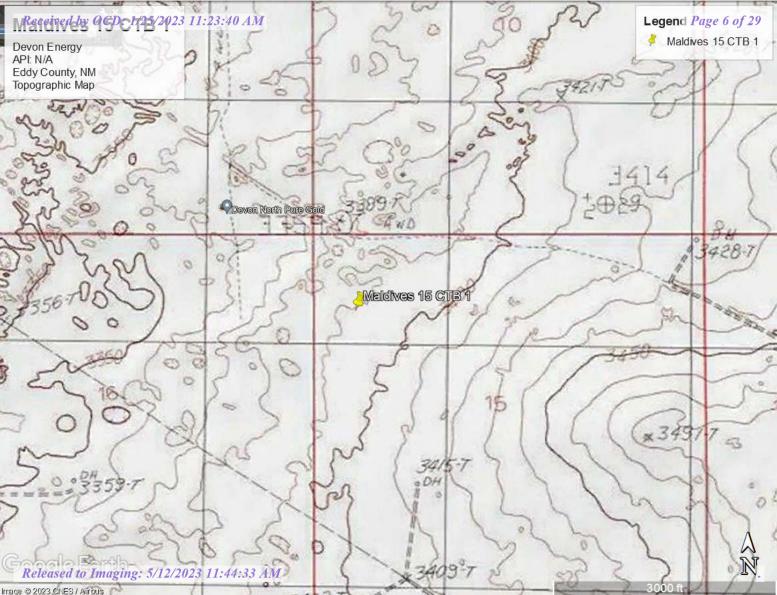
1-Location Map

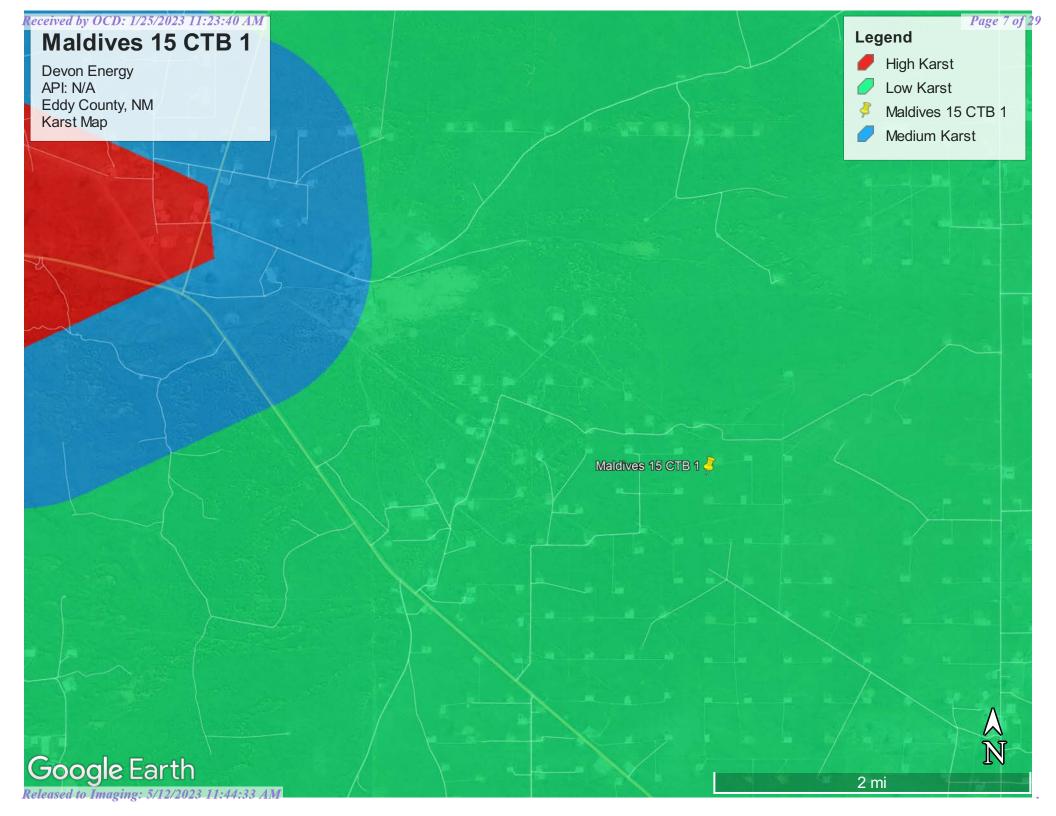
2-Topographic Map

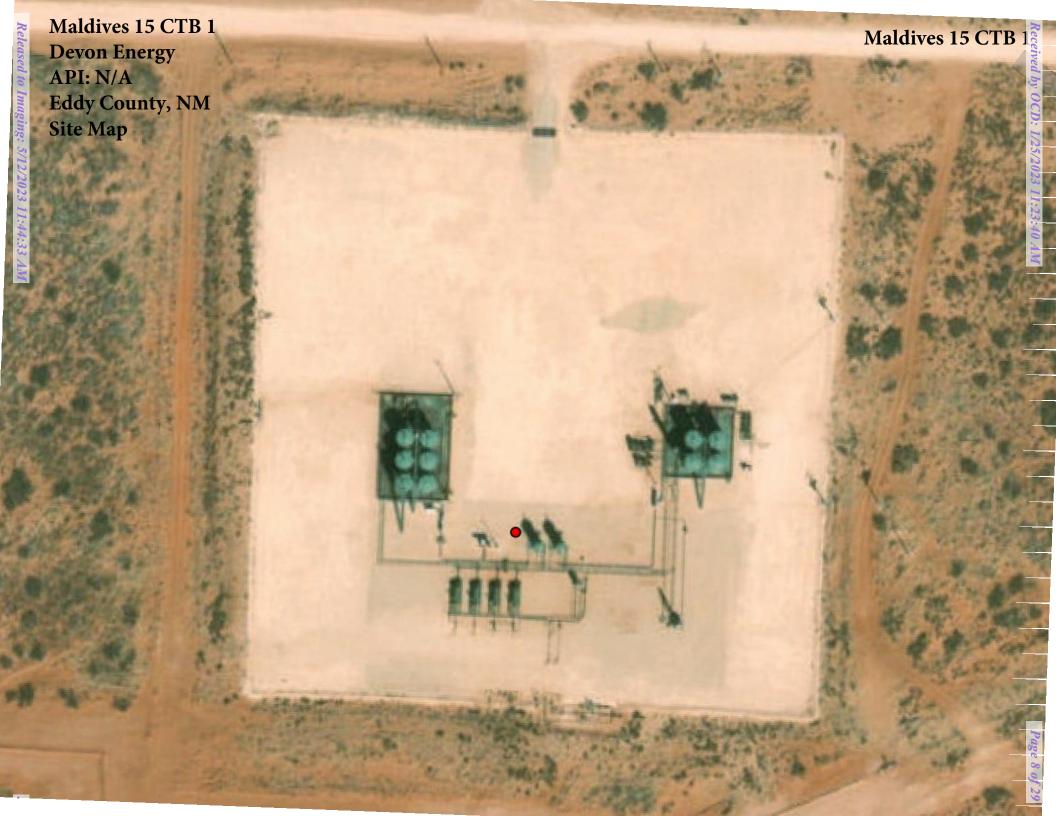
3-Karst Map

4-Site Map











# Appendix A

Water Surveys:

OSE

**USGS** 

Wetlands Map

Surface Water Map



# 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)

DOD

(quarters are 1=NW 2=NE 3=SW 4=SE)

(NAD83 UTM in meters) (quarters are smallest to largest)

(In feet)

		POD Sub-		0	Q	Λ								v	Vater
POD Number	Code		County	_	_	_	Sec	Tws	Rng	X	Y	DistanceDe	pthWellDer		
<u>C 02777</u>		CUB	ED	4	4	4	10	23S	31E	616974	3575662	1425	890		
C 03749 POD1		CUB	ED		2	2	15	23S	31E	616974	3575662	1425	865	639	226
<u>C 02773</u>		CUB	ED	4	1	3	03	23S	31E	615668	3577762*	2420	880		
<u>C 03140</u>		CUB	ED	4	2	4	04	23S	31E	615266	3577758*	2436	684		
<u>C 03351</u>		C	ED	4	1	4	04	23S	31E	614917	3577861	2605	320	168	152
<u>C 02774</u>		CUB	ED	3	1	3	04	23S	31E	613857	3577745*	2958	1660		
C 02954 EXPL		CUB	ED	3	1	4	20	23S	31E	613114	3572906*	3470	905		
<u>C 02664</u>		CUB	ED	3	3	2	05	23S	31E	613049	3578138*	3773	4291	354	3937
C 02769 POD2		CUB	ED	4	2	4	33	22S	31E	615261	3579312	3982	753	428	325
<u>C 02687</u>		CUB	ED	4	2	4	33	22S	31E	615246	3579364*	4035	779		
<u>C 02492</u>		CUB	ED	4	4	4	06	23S	31E	612056	3577320*	4044	135	85	50
<u>C 02865</u>		CUB	ED	4	4	4	06	23S	31E	612056	3577320*	4044	174		
<u>C 02767</u>		CUB	ED	4	1	4	33	22S	31E	614844	3579360*	4084	785		
<u>C 02768</u>		CUB	ED	4	1	4	33	22S	31E	614844	3579360*	4084	787		
C 02492 POD2		C	ED	3	2	2	07	23S	31E	611767	3576996	4159	400	125	275
<u>C 02769</u>		CUB	ED	2	2	4	33	22S	31E	615246	3579564*	4234	765		
<u>C 02258</u>		C	ED		3	2	26	23S	31E	618055	3571853*	4275	662		
<u>C 02776</u>		CUB	ED	2	1	1	05	23S	31E	612440	3578731*	4622	661		
<u>C 02348</u>		C	ED	1	4	3	26	23S	31E	617648	3571068	4746	700	430	270
<u>C 02725</u>		CUB	ED	1	1	1	05	23S	31E	612240	3578731*	4760	532		
<u>C 02775</u>		CUB	ED	1	1	1	05	23S	31E	612240	3578731*	4760	529		

Average Depth to Water: 318 feet Minimum Depth: 85 feet

Maximum Depth:

639 feet

Record Count: 21

UTMNAD83 Radius Search (in meters):

Easting (X): 615584.47 **Northing (Y):** 3575342.89 Radius: 5000

\*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.

1/9/23 1:08 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	<b>~</b>	GO

### Click to hideNews Bulletins

• See the Water Data for the Nation Blog for the latest news and updates.

Groundwater levels for the Nation

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

# Search Results -- 1 sites found

site\_no list =

• 321809103481801

# Minimum number of levels = 1

Save file of selected sites to local disk for future upload

# USGS 321809103481801 23S.31E.17.31141

Available data for this site Groundwater: Field measurements 

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°18'11.3", Longitude 103°48'23.4" NAD83

Land-surface elevation 3,326.00 feet above NGVD29

The depth of the well is 354 feet below land surface.

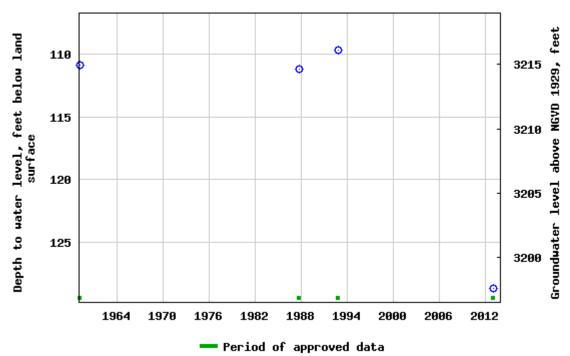
This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Rustler Formation (312RSLR) 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: <u>USGS Water Data Support Team</u>

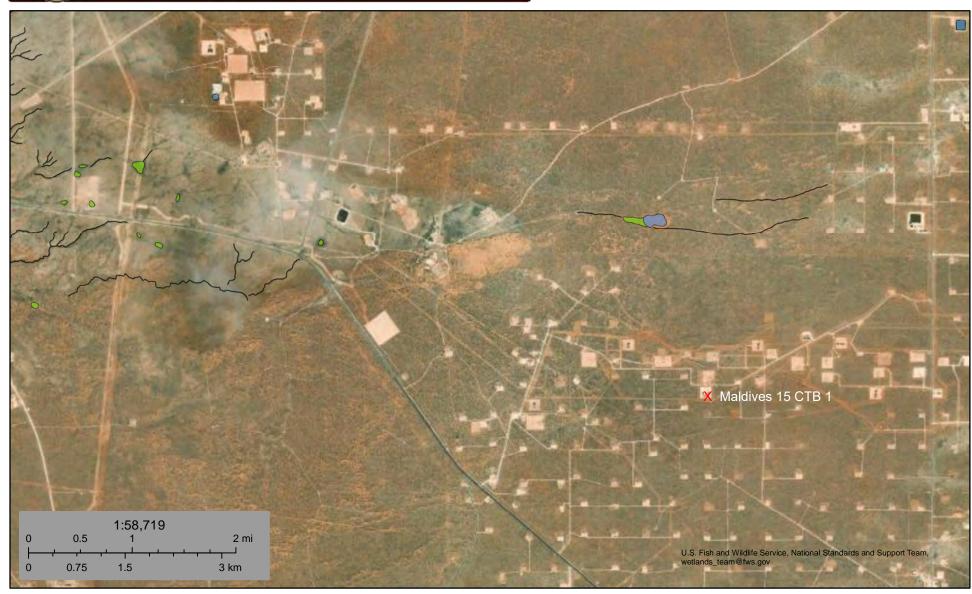
Page Last Modified: 2023-01-09 15:05:51 EST

0.7 0.58 nadww02





# Wetlands Map



January 9, 2023

### Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Freshwater Pond

Lake

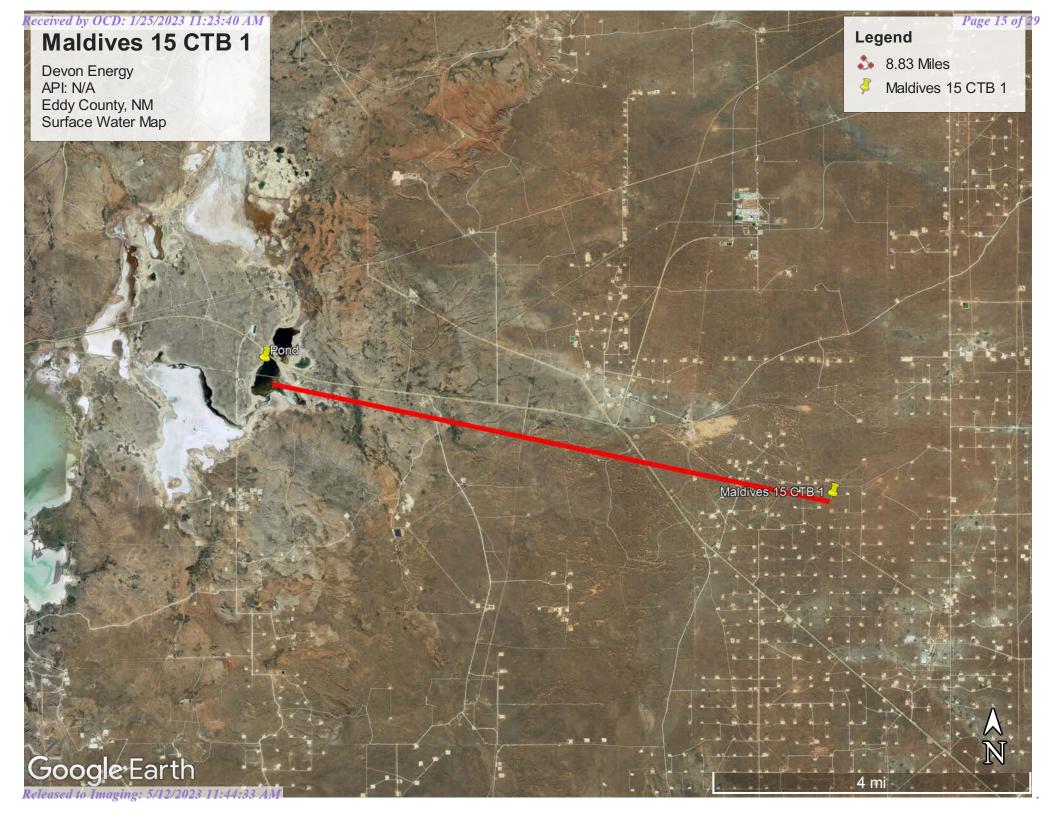
O41- - -

Riverine

Other

Wetlands Mappe

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.





# 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			Contact Te	Contact Telephone			
Contact emai	1			Incident #	(assigned by OCD	0)	
Contact mail	ing address			1			
			Location	of Release So	ource		
Latitude			(NAD 83 in dec	Longitude _ imal degrees to 5 decin	nal places)		
Site Name				Site Type			
Date Release	Discovered			API# (if app	licable)		
Unit Letter	Section	Township	Range	Coun	nty		
Crude Oil	Material	Federal Tr	Nature and	l Volume of I		ne volumes provided below)	
Produced		Volume Released			Volume Recovered (bbls)		
Froduced	water	Is the concentrate	ion of total dissolv water >10,000 mg		Yes N		
Condensa	te	Volume Release	d (bbls)		Volume Recovered (bbls)		
☐ Natural G	as	Volume Released	d (Mcf)		Volume Reco	overed (Mcf)	
Other (describe) Volume/Weight Released (provide units)					Volume/Wei	ght Recovered (provide units)	
Cause of Rele	ease						

Received by OCD: 1/25/2023 11:23:40 AM Form C-141 State of New Mexico Page 2 Oil Conservation Division

	Page 18 of	29
Incident ID		
District RP		
Facility ID		
Application ID		

Was this a major	If YES, for what reason(s) does the respo	nsible party consider this a major release?
release as defined by 19.15.29.7(A) NMAC?		
19.13.29.7(A) INMAC:		
☐ Yes ☐ No		
If YES, was immediate no	otice given to the OCD? By whom? To w	nom? When and by what means (phone, email, etc)?
	Initial R	esponse
The responsible p	party must undertake the following actions immediate	ly unless they could create a safety hazard that would result in injury
The source of the rele	ease has been stopped.	
	s been secured to protect human health and	the environment.
	•	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	wny:
		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 fications and perform corrective actions for releases which may endanger
public health or the environr	nent. The acceptance of a C-141 report by the C	OCD does not relieve the operator of liability should their operations have
		eat to groundwater, surface water, human health or the environment. In responsibility for compliance with any other federal, state, or local laws
and/or regulations.	Tu C 111 report does not reneve the operator of	responsionity for compitance with any other reactar, state, or rocal taws
Printed Name:		Title:
Kendra	ı Ruiz	D. A.
Signature:	. 50002	Date:
email:		Telephone:
		•
OCD Only		
Received by: Jocely	yn Harimon	Date:11/17/2022_
10001700 by	· · · · · · · · · · · · · · · · · · ·	

Spi	II Volume(Bb	ls) Calculator		
In	puts in blue, O	utputs in red		
Cor	ntaminated Soil	measurement		
Area (squ	are feet)	Depth(inches)		
8999.	.677	0.013		
Cubic Feet of S	Soil Impacted	9.750		
Barrels of So	il Impacted	1.74		
Soil T	ype	Clay/Sand		
Barrels of Oi 100% Sat		0.26		
Saturation	Fluid presen	it with shovel/backhoe		
Estimated Ba Relea		0.26		
	Free Standing	Fluid Only		
Area (squ	are feet)	Depth(inches)		
<u>8999</u> .	.677	0.013		
Standing fluid		1.738		
Total fluids spilled		1.999		

Spills In Line	Containment				
Measurements (	Measurements Of Standing Fluid				
Length(Ft)	50				
Width(Ft)	40				
Depth(in.)	2				
Total Capacity without tank displacements (bbls)	59.37				
No. of 500 bbl Tanks In Standing Fluid No. of Other Tanks In Standing Fluid	6				
OD Of Other Tanks In Standing Fluid(feet)					
Total Volume of standing fluid accounting for tank displacement.	25.78				

te of New Mexico

Incident ID nAPP2230964903

Incident ID	nAPP2230964903
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?	639(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 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 X 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 No
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vercontamination 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	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.

Received by OCD: 1/25/2023 11:23:40 AM Form C-141 State of New Mexico Page 4 Oil Conservation Division

	Page 21 of 2	9
Incident ID	nAPP2230964903	
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: Wesley Matthews	Title: EHS Professional		
Signature: Wesley Mathews	Date:		
email:wesley.matthews@dvn.com	Telephone: 575-578-6195		
OCD Only			
Received by:	Date: 01/25/2023		

Page 22 of 29

Incident ID	nAPP2230964903
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
x 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 certa 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 regul restore, reclaim, and re-vegetate the impacted surface area to the coaccordance with 19.15.29.13 NMAC including notification with 19.15.29.13 NM	ations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in
Signature: Wesley Mathews	Date:
email:wesley.matthews@dvn.com	Telephone: 575-578-6195
OCD Only	
Received by: Jocelyn Harimon	Date:01/25/2023
	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>

### Maldives 15 CTB 1 -NAPP2230964903

1 message

Gio PimaOil <gio@pimaoil.com>

Wed, Dec 28, 2022 at 8:59 AM

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

Good Morning,

Pima Environmental would like to notify you that we will be conducting a liner Inspection at the Maldives 15 CTB 1 for incident NAPP2230964903. Pima personnel are scheduled to be on site for this Inspection event at approximately 11:00 a.m. On Friday, December 30, 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	nergy				
Site:	<u>M</u>	Maldives 15 CTB 1				
Lat/Long:	32.3	08580	, -103.772360			
NMOCD Incident ID & Incident Date:	<u>NA</u>	<u>.PP223</u>	0964903 11/4/2022			
2-Day Notification Sent:	via E	mail by	y Gio Gomez 12/28/2022			
Inspection Date:	12/3	0/2022				
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?	e	X				
Is the liner retaining any fluids?		X				
Does the liner have integrity to contain a leak?	X					
Comments:	•					
Inspector Name: <u>Ne</u>	ed Roger	<u>s</u>	Inspector Signature:Ned Roger	હ		



# SITE PHOTOGRAPHS DEVON ENERGY

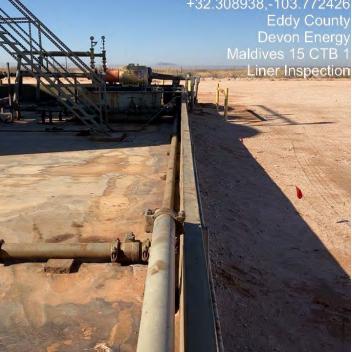
# **MALDIVES 15 CTB 1**

### **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 179500

### **CONDITIONS**

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	179500
	Action Type:
	[C-141] Release Corrective Action (C-141)

#### CONDITIONS

Created I		Condition Date
rhamle	We have received your closure report and final C-141 for Incident #NAPP2230964903 MALDIVES 15 CTB 1 BATTERY, thank you. This closure is approved.	5/12/2023