

COTTON DRAW UNIT 1-12 BONE SPRINGS CENTRAL TANK BATTERY

6/15/2024

OCD INCIDENT # nAPP2416940193

Spills In Lined Containment	
Measurements Of Standing Fluid	
Length(Ft)	50
Width(Ft)	25
Depth(in.)	1
Total Capacity without tank displacements (bbls)	18.55
No. of 500 bbl Tanks In Standing Fluid	4
No. of Other Tanks In Standing Fluid	0
OD Of Other Tanks In Standing Fluid(feet)	0
Total Volume of standing fluid accounting for tank displacement.	7.36



LINER INSPECTION CLOSURE REPORT

Incident ID nAPP2416940193

Cotton Draw Unit 1-12 Bone Spring CTB

Facility ID fAPP2130734060

Prepared By:

Pima Environmental Services, LLC

Prepared For:

Devon Energy Production, LP

July 1, 2024

Pima Environmental Services, LLC
5614 N Lovington Hwy, Hobbs, NM 88240

July 1, 2024

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

Bureau of Land Management
620 E Green St.
Carlsbad, NM 88220

**RE: Liner Inspection and Closure Report
Cotton Draw Unit 1-12 Bone Spring CTB
Facility ID fAPP2130734060
GPS: Latitude 32.14418163 Longitude -103.732464
ULSTR – K – 12 – 25S – 31E 2417 FSL 2354 FWL Eddy County, NM
NMOCD Incident ID nAPP2416940193**

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 Cotton Draw Unit 1-12 Bone Spring CTB (Cotton Draw). This incident was assigned Incident ID nAPP2416940193, by the New Mexico Oil Conservation Division (NMOCD).

Site Information and Site Characterization

The Cotton Draw is located approximately twenty-one (21) miles southeast of Malaga, NM. This spill site is in Unit K, Section 12, Township 25S, Range 31E, Latitude 32.14418163 Longitude -103.732464, Eddy County, NM. A Location Map can be found in Figure 1.

Based upon the New Mexico Office of the State Engineer (C-04792-POD1) well water data, depth to the nearest groundwater in this area is greater than 55 feet below grade surface (BGS), located approximately 0.30 miles from the Cotton Draw. According to the United States Geological Survey (USGS 3209321034438101 25S.31E.02.23441) well water data, depth to the nearest groundwater in this area is 390 feet BGS. See Appendix A for referenced water surveys and water-related maps. The Cotton Draw is in a low karst area (Figure 3). A Topographic Map can be found in Figure 2.

Release Information

nAPP2416940193: On June 15, 2024, LO found main produced water dump line leaking inside containment. 7.4 bbls released. 7 bbls recovered. 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 June 24, 2024, Pima personnel mobilized equipment to the site to perform power washing of the liner/containment. A vacuum truck accompanied the crew to recover the power washing fluids. At this time the remaining 0.4 bbls missed during the initial recovery effort were also recovered.

On June 28, 2024, after Devon submitted the 48-hour notification, application ID: 357583 to the OCD, Pima Environmental conducted a liner inspection at this location. Pima 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, nAPP2416940193, be closed. Devon has complied with the applicable closure requirements.

Should you have any questions or need additional information, please feel free to contact:

Devon Energy – Dale Woodall at 575-748-0167 or Dale.Woodall@devon.com.

Pima Environmental – Tom Bynum at 580-748-1613 or tom@pimaoil.com.

Attachments

Figures:

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

Appendices:

Appendix A – Referenced Water Surveys & Water-Related Maps

Appendix B – 48-Hour Notification

Appendix C – Liner Inspection Form & Photographic Documentation



Pima Environmental Services
5614 N Lovington Hwy
Hobbs, NM 88240


Figures:

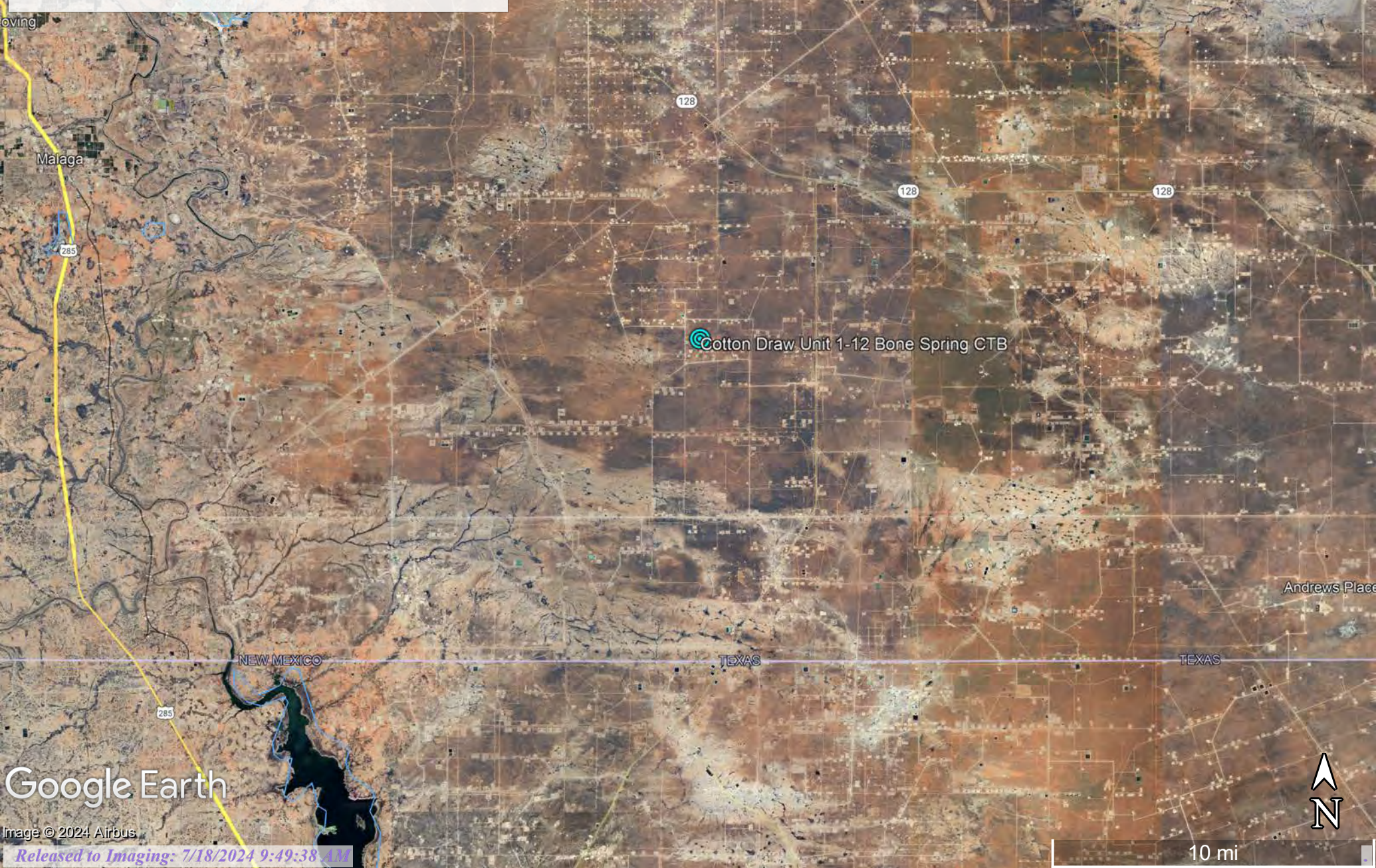
- 1 - Location Map
- 2 - Topographic Map
- 3 - Karst Map
- 4 - Site Map

Cotton Draw Unit 1-12 BS CTB

Devon Energy
Facility ID fAPP2130734060
Eddy County, NM
nAPP2416940193
Location Map

Legend

-  Cotton Draw Unit 1-12 Bone Spring CTB

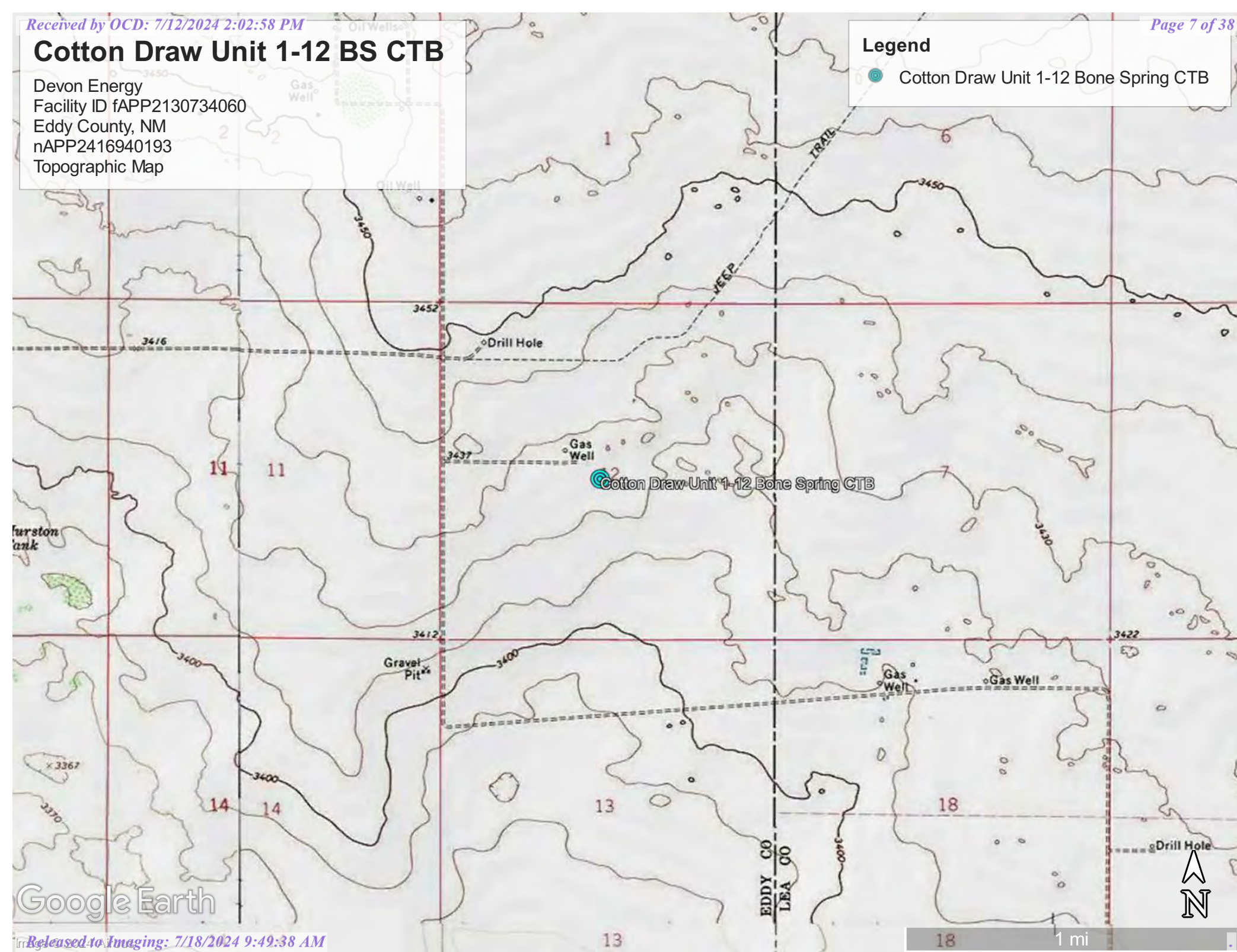


Cotton Draw Unit 1-12 BS CTB

Devon Energy
Facility ID fAPP2130734060
Eddy County, NM
nAPP2416940193
Topographic Map

Legend

-  Cotton Draw Unit 1-12 Bone Spring CTB







Google Earth

Cotton Draw Unit 1-12 BS CTB

Devon Energy
Facility ID fAPP2130734060
Eddy County, NM
nAPP2416940193
Karst Map

Legend

-  High Karst
-  Low Karst
-  Medium Karst

 Cotton Draw Unit 1-12 Bone Spring CTB

Olla Rd





2 mi


Google Earth


Cotton Draw Unit 1-12 BS CTB

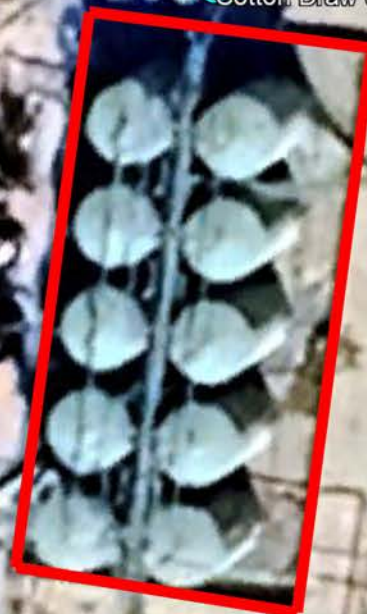
Devon Energy
Facility ID fAPP2130734060
Eddy County, NM
nAPP2416940193
Site Map

Legend

-  32.144494, -103.732142
-  Lined Containment - 5,765 sqft

 32.144494, -103.732142

 Cotton Draw Unit 1-12 Bone Spring CTB



Google Earth



100 ft



Pima Environmental Services
5614 N Lovington Hwy
Hobbs, NM 88240

Appendix A

Water Surveys:

OSE

USGS

Surface Water Map

Wetlands Map

Fema Flood 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)

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Q 4	Sec	Tw	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
C 04792 POD1		CUB	ED	1	3	4	12	25S	31E		619688	3556651	490	55		
C 04635 POD1		CUB	ED	4	3	4	01	25S	31E		619958	3558078	1043	55		
C 03830 POD1		CUB	ED	4	2	4	02	25S	31E		618632	3558432	1597	450		
C 02570		CUB	ED	4	2	4	02	25S	31E		618704	3558489*	1605	895		
C 02568		CUB	ED	4	3	1	01	25S	31E		619103	3558892*	1825	1025		
C 02569		CUB	ED	4	4	2	02	25S	31E		618699	3558891*	1961	1016		
C 04620 POD1		CUB	LE	4	3	4	06	25S	32E		621445	3558018	2103	55		
C 02573		CUB	ED	1	4	2	02	25S	31E		618499	3559091*	2230			
C 02572		CUB	ED	4	2	2	02	25S	31E		618695	3559294*	2333	852		
C 02571		CUB	ED	4	1	2	02	25S	31E		618292	3559294*	2507	860		
C 04618 POD1		CUB	LE	3	4	3	18	25S	32E		621041	3554886	2689	55		
C 04722 POD2		CUB	LE	2	1	1	06	25S	32E		620808	3559499	2694	55		
C 02574		CUB	ED	1	1	2	02	25S	31E		618092	3559494*	2781			
C 04632 POD1		CUB	ED	1	2	2	10	25S	31E		616802	3557964	2867	55		

Average Depth to Water: --

Minimum Depth: --

Maximum Depth: --

Record Count: 14

UTM NAD83 Radius Search (in meters):

Easting (X): 619542.95

Northing (Y): 3557120.34

Radius: 3000

*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.


6/17/24 2:48 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)				(quarters are smallest to largest)				(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y		
NA	C 04792 POD1	1	3	4	12	25S	31E	619688	3556651		
<hr/>											
Driller License: 1833		Driller Company:				VISION RESOURCES, INC					
Driller Name:		JASON MALEY									
Drill Start Date: 02/06/2024		Drill Finish Date:				02/06/2024		Plug Date:		02/10/2024	
Log File Date: 02/26/2024		PCW Rev Date:						Source:			
Pump Type:		Pipe Discharge Size:						Estimated Yield:			
Casing Size: 2.00		Depth Well:				55 feet		Depth Water:			
<hr/>											

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.

6/17/24 2:51 PM

POINT OF DIVERSION SUMMARY



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

OSE 011 FEB 26 2024 PM 2:04

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) C04792 POD1		WELL TAG ID NO. C4792		OSE FILE NO(S). C 04792			
	WELL OWNER NAME(S) Devon Energy Resources				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 205 E Bender Road #150				CITY Hobbs	STATE NM	ZIP 88240	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 8	SECONDS 23.7768 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1833		NAME OF LICENSED DRILLER Jason Maley			NAME OF WELL DRILLING COMPANY Vision Resources		
	DRILLING STARTED 2-6-24		DRILLING ENDED 2-6-24		DEPTH OF COMPLETED WELL (FT) 55'	BORE HOLE DEPTH (FT) 55'	DEPTH WATER FIRST ENCOUNTERED (FT) Dry hole	
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) 0	DATE STATIC MEASURED 2-10-24	
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:						CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>	
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	45'	6"	2" PVC SCH 40	Thread	2"	SCH40	N/A
	45'	55'	6"	2" PVC CH40	Thread	2"	SCH40	.02
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
				None pulled and plugged				

FOR OSE INTERNAL USE

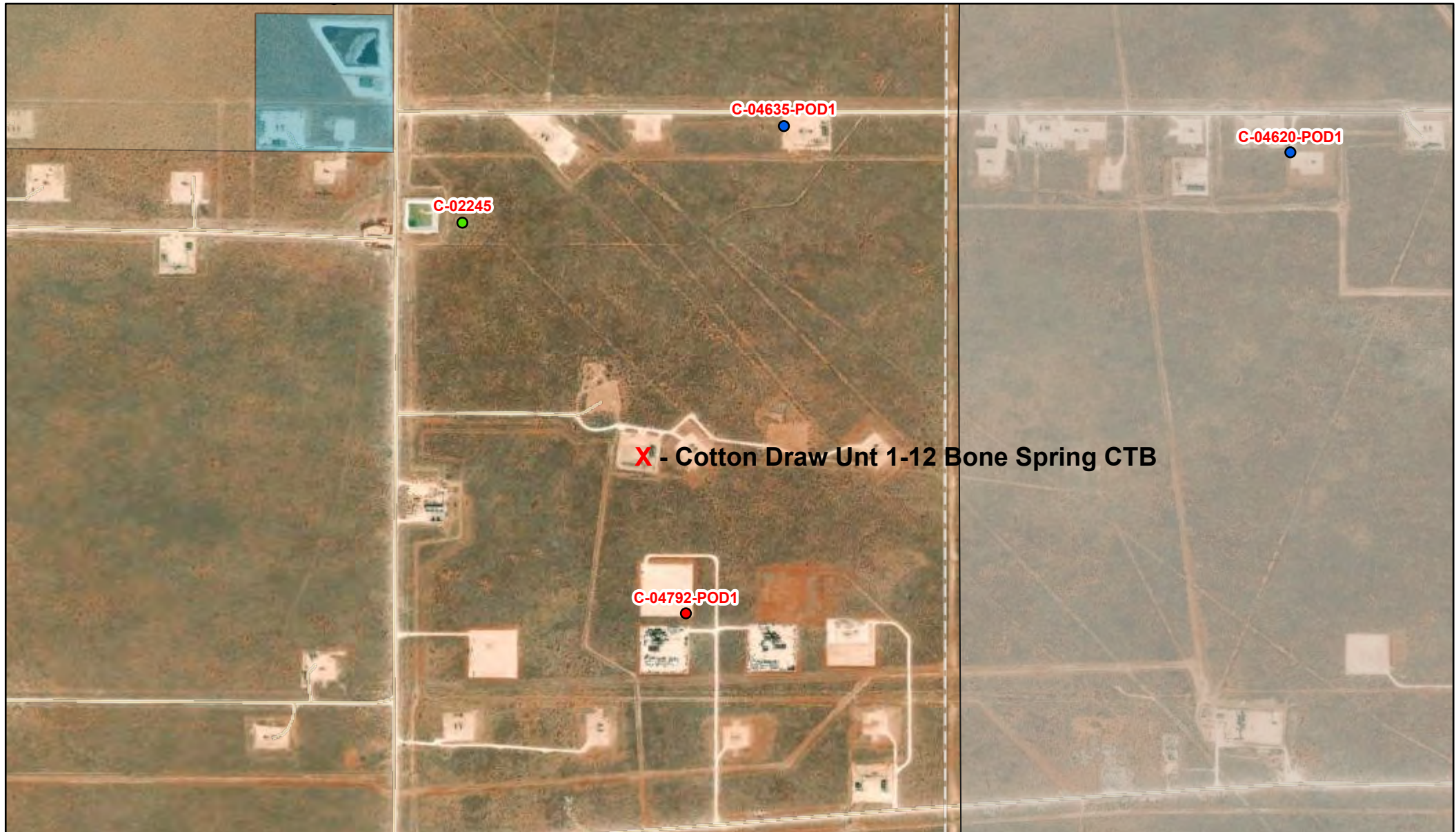
WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO. C-04792	POD NO. 1	TRN NO. 753940
LOCATION 256.31E.12.134	WELL TAG ID NO.	PAGE 1 OF 2

DEPTH (feet bgl)	THICKNESS (feet)		COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO			
0	10'	10'	Red topsoil wih small to medium rock	Y ✓ N	
10'	20'	10'	White caliche rock	Y ✓ N	
20'	40'	20'	Tan fine sand with caliche	Y ✓ N	
40'	55'	15'	Brown fine sand with small rock	Y ✓ N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
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				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER – SPECIFY: Dry hole				TOTAL ESTIMATED WELL YIELD (gpm): Dry	
WELL TEST		TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.			
MISCELLANEOUS INFORMATION: <div style="text-align: right;">QSE DTI FEB 26 2024 PM2:04</div>					
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:					
THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:					
SIGNATURE		Jason Maley		2/21/24	
SIGNATURE OF DRILLER / PRINT SIGNEE NAME				DATE	

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 09/22/2022)	
FILE NO	C-04792	POD NO.	1
LOCATION		TRN NO.	753940
755.3/E.12.134		WELL TAG ID NO.	PAGE 2 OF 2

OSE POD Location Map




6/17/2024, 3:51:56 PM

GIS WATERS PODs


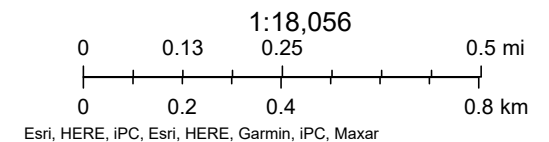
- Plugged
- Active
- Pending

 OSE District Boundary

Water Right Regulations

 Closure Area Artesian Planning Area

New Mexico State Trust Lands

 Subsurface Estate Both Estates



National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

Click to hideNews Bulletins

- Explore the *NEW* [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.

Groundwater levels for the Nation



Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

site_no list =

- 320932103443801

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 320932103443801 25S.31E.02.23441

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13070001

Latitude 32°09'37.4", Longitude 103°44'29.6" NAD83

Land-surface elevation 3,460.00 feet above NGVD29

The depth of the well is 1,016 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.

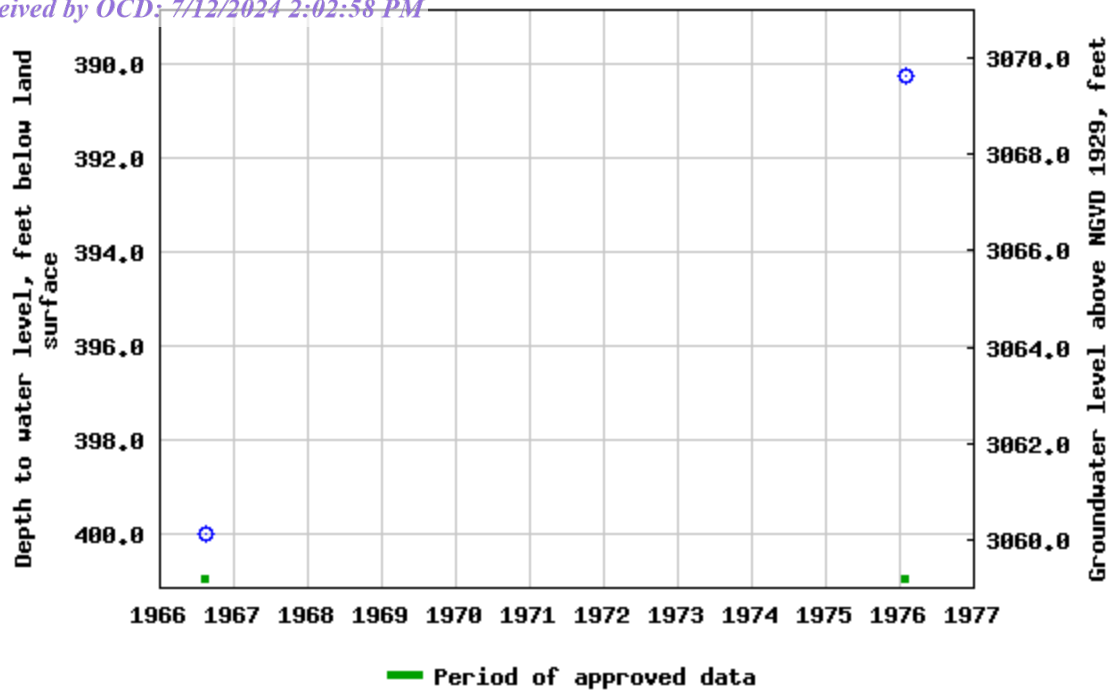
Output formats

[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.

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Title: Groundwater for USA: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>



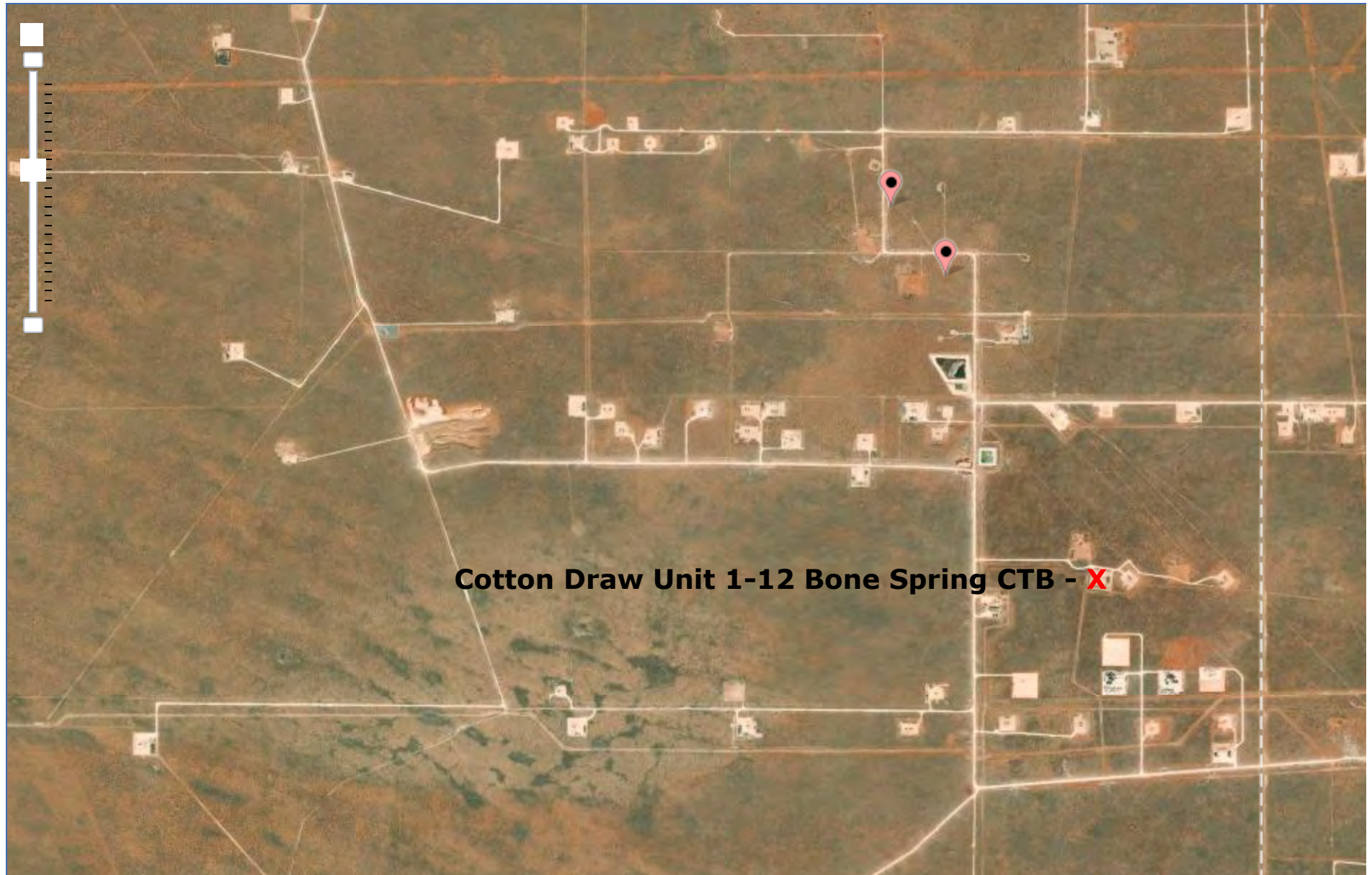
Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2024-06-17 16:53:31 EDT

0.66 0.58 nadww01





National Water Information System: Mapper

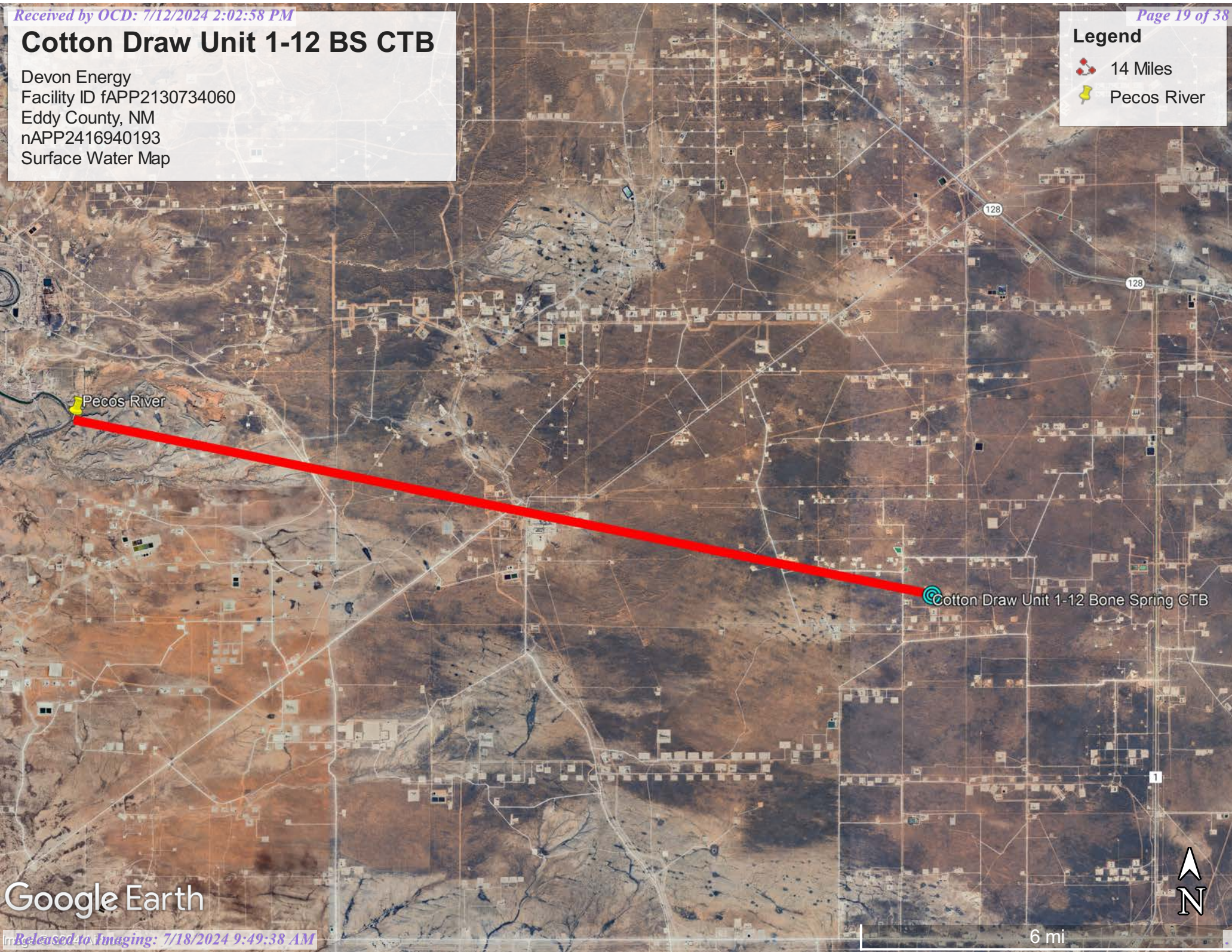


Cotton Draw Unit 1-12 BS CTB

Devon Energy
Facility ID fAPP2130734060
Eddy County, NM
nAPP2416940193
Surface Water Map

Legend

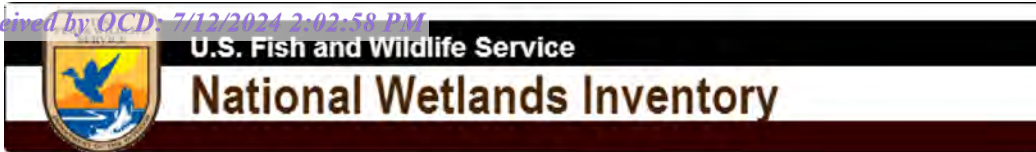
-  14 Miles
-  Pecos River



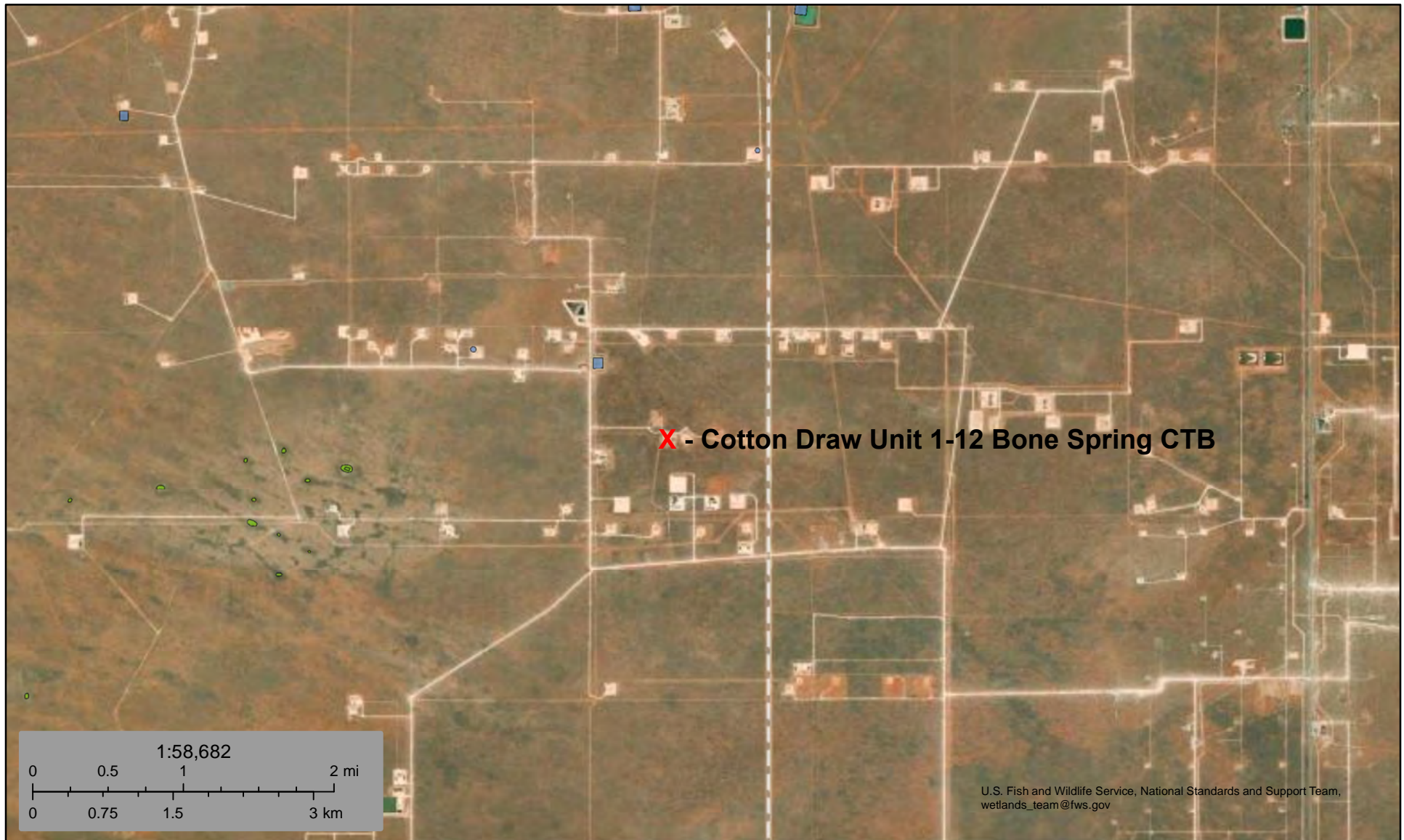
Google Earth

6 mi





Wetlands Map



June 17, 2024

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Flood Hazard Layer FIRMette



103°44'16"W 32°8'54"N



1:6,000

103°43'38"W 32°8'23"N

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		Cross Sections with 1% Annual Chance Water Surface Elevation
		Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 6/18/2024 at 3:19 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



***Pima Environmental Services
5614 N Lovington Hwy
Hobbs, NM 88240***

Appendix B

48-Hour Notification



Tom Pima Oil <tom@pimaoil.com>

FW: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 357583

1 message

Woodall, Dale <Dale.Woodall@dvn.com>

Wed, Jun 26, 2024 at 8:09 AM

To: Tom Pima Oil <tom@pimaoil.com>, Gio PimaOil <gio@pimaoil.com>, Lynsey Pima Oil <lynsey@pimaoil.com>, Delrae Pima Oil <delrae@pimaoil.com>

Dale Woodall

*Environmental Professional**Hobbs, NM**Office: 575-748-1838**Mobile: 405-318-4697**Dale.Woodall@dvn.com*

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>**Sent:** Wednesday, June 26, 2024 7:08 AM**To:** Woodall, Dale <Dale.Woodall@dvn.com>**Subject:** [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 357583

To whom it may concern (c/o Dale Woodall for DEVON ENERGY PRODUCTION COMPANY, LP),

The OCD has received the submitted *Notification for Liner Inspection for a Release* (C-141L), for incident ID (n#) nAPP2416940193.

The liner inspection is expected to take place:

When: 06/28/2024 @ 13:00**Where:** K-12-25S-31E 2417 FSL 2354 FWL (32.14418163,-103.732464)**Additional Information:** Andrew Franco (806) 200-0054**Additional Instructions:** K-12-25S-31E Lat/Long: 32.14418163, -103.732464 From the intersection of NM128 and Buck Jackson Road in Eddy county, travel south on Buck Jackson Rd for 4.75 miles, turn southeast on lease road for 3.2 miles, turn east for 1.9 miles, turn south for 0.3 miles, turn east for 0.4 miles, turn south into location.

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, liner inspection pursuant to 19.15.29.11.A(5)(a) NMAC is required. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of liner inspections including any changes in date/time per the requirements of 19.15.29.11.A(5)(a)(ii) NMAC, may result in the inspection not being accepted.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
[1220 South St. Francis Drive](#)
Santa Fe, NM 87505

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***Pima Environmental Services
5614 N Lovington Hwy
Hobbs, NM 88240***

Appendix C

Liner Inspection Form
Photographic Documentation



Pima Environmental Services, LLC
5614 N Lovington Hwy.
Hobbs, NM 88240

Liner Inspection Form

Company Name: Devon Energy Production

Site: Cotton Draw Unit 1-12 Bone Spring CTB

Lat/Long: 32.14418163, -103.732464

NMOCD Incident ID
& Incident Date: nAPP2416940193 June 15, 2024

2-Day Notification
Sent: June 26, 2024

Inspection Date: June 28, 2024 @1:00 p.m.

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?		X	
Are there holes in the liner?		X	
Is the liner retaining any fluids?	X		Traces from power washing
Does the liner have integrity to contain a leak?	X		

Comments: _____

Inspector Name: Andrew Franco Inspector Signature: Andrew Franco

Pre-Inspection



Lease Sign



Point of Release



Fluid Inside Containment



Pre-inspection, pre-wash

Cotton Draw Unit 1-12 Bone Spring CTB



Pre-inspection, pre-wash



Pre-inspection, pre-wash



Pre-inspection, pre-wash



Pre-inspection, pre-wash



Pre-inspection, pre-wash



Pre-inspection, pre-wash

Cotton Draw Unit 1-12 Bone Spring CTB



Pre-inspection, pre-wash



Pre-inspection, pre-wash aerial view



Pre-inspection, pre-wash aerial view



Pre-inspection, pre-wash aerial view



Pre-inspection, pre-wash aerial view



Pre-inspection, pre-wash aerial view

Liner Inspection



Post-wash, southwest corner looking north



Post-wash, southeast corner looking west



Post-wash, southeast corner looking west



Post-wash, southeast corner looking north

Cotton Draw Unit 1-12 Bone Spring CTB



Post-wash, northeast corner looking south



Post-wash, northeast corner looking west



Post-wash, northwest corner looking east



Post-wash, northwest corner looking south

Cotton Draw Unit 1-12 Bone Spring CTB



Post-wash, aerial view east side



Post-wash, aerial view north side



Post-wash, aerial view south end



Post-wash, aerial view overhead

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1000 Rio Brazos Rd., Aztec, NM 87410
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District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
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Oil Conservation Division
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QUESTIONS

Action 363646

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:
	6137
	Action Number:
	363646
Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2416940193
Incident Name	NAPP2416940193 COTTON DRAW UNIT 1-12 BONE SPRING CTB @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2130734060] COTTON DRAW UNIT 1-12 BONE SPRING CTB

Location of Release Source	
Please answer all the questions in this group.	
Site Name	COTTON DRAW UNIT 1-12 BONE SPRING CTB
Date Release Discovered	06/15/2024
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Flow Line - Production Produced Water Released: 7 BBL Recovered: 7 BBL Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	LO found main produced water dump line leaking inside tank containment. 7.4 bbls released. 7 bbls recovered.

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QUESTIONS, Page 2

Action 363646

QUESTIONS (continued)

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QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	<i>Not answered.</i>

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmv.com Date: 07/12/2024
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QUESTIONS, Page 3

Action 363646

QUESTIONS (continued)

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	Action Number:	363646
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	Yes
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	06/28/2024
On what date will (or did) the final sampling or liner inspection occur	06/28/2024
On what date will (or was) the remediation complete(d)	06/28/2024
What is the estimated surface area (in square feet) that will be remediated	0
What is the estimated volume (in cubic yards) that will be remediated	0
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS, Page 4

Action 363646

QUESTIONS (continued)

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	Action Number:	363646
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
Is (or was) there affected material present needing to be removed	Yes
Is (or was) there a power wash of the lined containment area (to be) performed	Yes
OTHER (Non-listed remedial process)	No
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
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.	
I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 07/12/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 6

Action 363646

QUESTIONS (continued)

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	Action Number:	363646
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Liner Inspection Information	
Last liner inspection notification (C-141L) recorded	357583
Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC	06/28/2024
Was all the impacted materials removed from the liner	Yes
What was the liner inspection surface area in square feet	5765

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	Yes
What was the total surface area (in square feet) remediated	0
What was the total volume (cubic yards) remediated	0
Summarize any additional remediation activities not included by answers (above)	the liner was cleaned and inspected. there were no holes or tears.

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 (in .pdf format) 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.

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.

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 07/12/2024
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CONDITIONS

Action 363646

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 363646
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	7/18/2024