Spills In Lined Containment	
Measurements Of Standing Fluid	
Length(Ft)	75
Width(Ft)	65
Depth(in.)	0.25
Total Capacity without tank displacements (bbls)	18.09
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.	12.49

REMEDIATION CLOSURE REPORT

Incident ID nAPP2217833526

Tomb Raider 12-1 CTB 1

Facility ID fAPP2123652397

Prepared By:
Pima Environmental Services, LLC

Prepared For:
Devon Energy Production, LP

July 3, 2024

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

Pima Environmental Services
3514 Lovington Hwy
Hobbs, NM 88240
575-964-7740

July 3, 2024

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

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

RE: Remediation Closure Report
Tomb Raider 12-1 CTB 1
Facility ID fAPP2123652397
GPS: Latitude 32.30922278 Longitude -103.7274908
ULSTR – B – 13 – 23S – 31E 900 FNL 1400 FEL Eddy County, NM
NMOCD Incident ID nAPP2217833526

Devon Energy Production Company (Devon) has contracted Pima Environmental Services, LLC (Pima) to perform delineation activities and prepare this closure report for a produced water release that happened at the Tomb Raider 12-1 CTB 1 (Tomb Raider). This incident was assigned Incident ID nAPP2217833526, by the New Mexico Oil Conservation Division (NMOCD).

Site Information and Site Characterization

The Tomb Raider is located approximately twenty-one (21) miles east of Loving, NM. This spill site is in Unit B, Section 13, Township 23S, Range 31E, Latitude 32.30922278 Longitude -103.7274908, 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 272 feet across the battery pad. 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 Tomb Raider is in a low karst area (Figure 3). A Topographic Map can be found in Figure 2.

Release Information

nAPP2217833526: On June 25, 2022, water tanks developed leak. All fluid stayed within lined containment. Approximately 12.49 bbls of produced water were released. Approximately 12 bbls were recovered via vacuum truck. 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.

Previously Denied Deferral Report

On May 2, 2023, Devon submitted a liner inspection report combined with a closure and deferral request report (OCD Online – Permitting: Application ID - 212407. The liner inspection that was reported noted 2 deficiencies in the liner. On July 15, 2022, seven samples were collected from 2 different sample points underneath the liner. The highest result for chlorides from this sampling event was from Hole 2 – 0-6" bgs and was 5,440 mg/kg. The highest result for Total TPH from this sampling event was also from Hole 2 – 0-6" bgs and was 576 mg/kg. The highest result for GRO + DRO was also from Hole 2 – 0-6" bgs and was 433 mg/kg. The sample results from this sampling event can be found in the Previously Submitted Closure and Deferral Request in Appendix F. The NMOCD requested as part of the denial that horizontal delineation be completed underneath the liner by pulling the liner and collecting samples.

On April 11, 2023, Devon contracted Atkins Engineering Associates, Inc to install a borehole in the southeast corner of this battery pad. The purpose of this borehole was to gain information about the depth to groundwater in this area. The borehole was drilled to 55' bgs, left open for 72 hours, gauged for any possible signs of water presence, then plugged according to the approved plugging plan submitted to the NMOSE. After water bearing soil was not encountered, the borehole was plugged on April 18, 2023.

On May 23, 2024, Pima requested a different method for horizontally delineating this release. The suggestion was made to collect samples from around the outside of the secondary containment wall. Each would be a composite sample consisting of Surface, 1', 2', 3', and 4'. A Proposed Delineation Map can be found in Figure 5. A total of 14 samples would be collected. For each sample point, if contamination is found over the regulatory limits of100/600, we will move laterally away from the release area in 2' increments until delineation is achieved.

On May 28, 2024, the NMOCD approved the suggestion of this method. This email correspondence can be found in Appendix C.

On June 24, 2024, after Devon submitted a 48-Hour sampling notification (Appendix C), Pima personnel mobilized to the site to collect the samples for horizontal delineation. Six sample points were established on the east and west sides of the containment walls. Eight sample points were established on the north and south sides of the containment walls. Each sample point consisted of a composite sample comprised of sample depths Surface, 1', 2', 3', and 4' bgs. The samples were immediately put on ice, jarred, and delivered to Envirotech Labs for official testing. All samples were analyzed for all constituents listed on Table 1 19.15.29.12 NMAC. The results of this sampling event can be seen in the following data table.

6/24/24 Soil Sampling Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100')								
DEVON ENERGY - Tomb Raider 12-1 CTB 1 - nAPP2217833526								
Date: 6/24/24		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
SW1 0-4' Comp	0-4'	ND	ND	ND	ND	ND	0	37.5
SW2 0-4' Comp	0-4'	ND	ND	ND	ND	ND	0	20.2
SW3 0-4' Comp	0-4'	ND	ND	ND	ND	ND	0	30.8
SW4 0-4' Comp	0-4'	ND	ND	ND	ND	ND	0	33.8
SW5 0-4' Comp	0-4'	ND	ND	ND	ND	ND	0	30
SW6 0-4' Comp	0-4'	ND	ND	ND	ND	ND	0	ND
SW7 0-4' Comp	0-4'	ND	ND	ND	ND	ND	0	26.5
SW8 0-4' Comp	0-4'	ND	ND	ND	ND	ND	0	26.5
SW9 0-4' Comp	0-4'	ND	ND	ND	ND	ND	0	37.5
SW10 0-4' Comp	0-4'	ND	ND	ND	ND	ND	0	ND
SW11 0-4' Comp	0-4'	ND	ND	ND	ND	ND	0	45.3
SW12 0-4' Comp	0-4'	ND	ND	ND	ND	ND	0	23.3
SW13 0-4' Comp	0-4'	ND	ND	ND	ND	ND	0	32.6
SW14 0-4' Comp	0-4'	ND	ND	ND	ND	ND	0	26.4

ND – Non-Detect

A Complete Laboratory Report can be found in Appendix E.

Based on these lab results, and the lab results of the initial testing found in the Previously Submitted Closure and Deferral Request, the contaminant levels for all samples collected are under the regulatory limits according to the 51-100' depth to groundwater section of Table 1 19.15.29.12 NMAC.

Closure Request

After careful review, Pima requests that this incident, nAPP2217833526, be closed. Devon has complied with the applicable closure requirements for this incident and understands that reclamation of this pad area once it is no longer needed for production or subsequent drilling operations will require an approved reclamation plan addressing a minimum of four feet of non-waste containing earthen material.

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

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

Attachments

Figures:
1- Location Map
2- Topographic Map
3- Karst Map
4- Site Map
5- Proposed Delineation Map

Appendices:
Appendix A – Referenced Water Surveys & Water-Related Maps
Appendix B – Soil Survey & Geological Data
Appendix C – C-141 Form, 48-Hour Notification, & NMOCD Correspondence
Appendix D – Photographic Documentation
Appendix E – Laboratory Report
Appendix F – Previously Submitted Closure and Deferral Request

Figures:

Figure 1- Location Map

Figure 2- Topographic Map

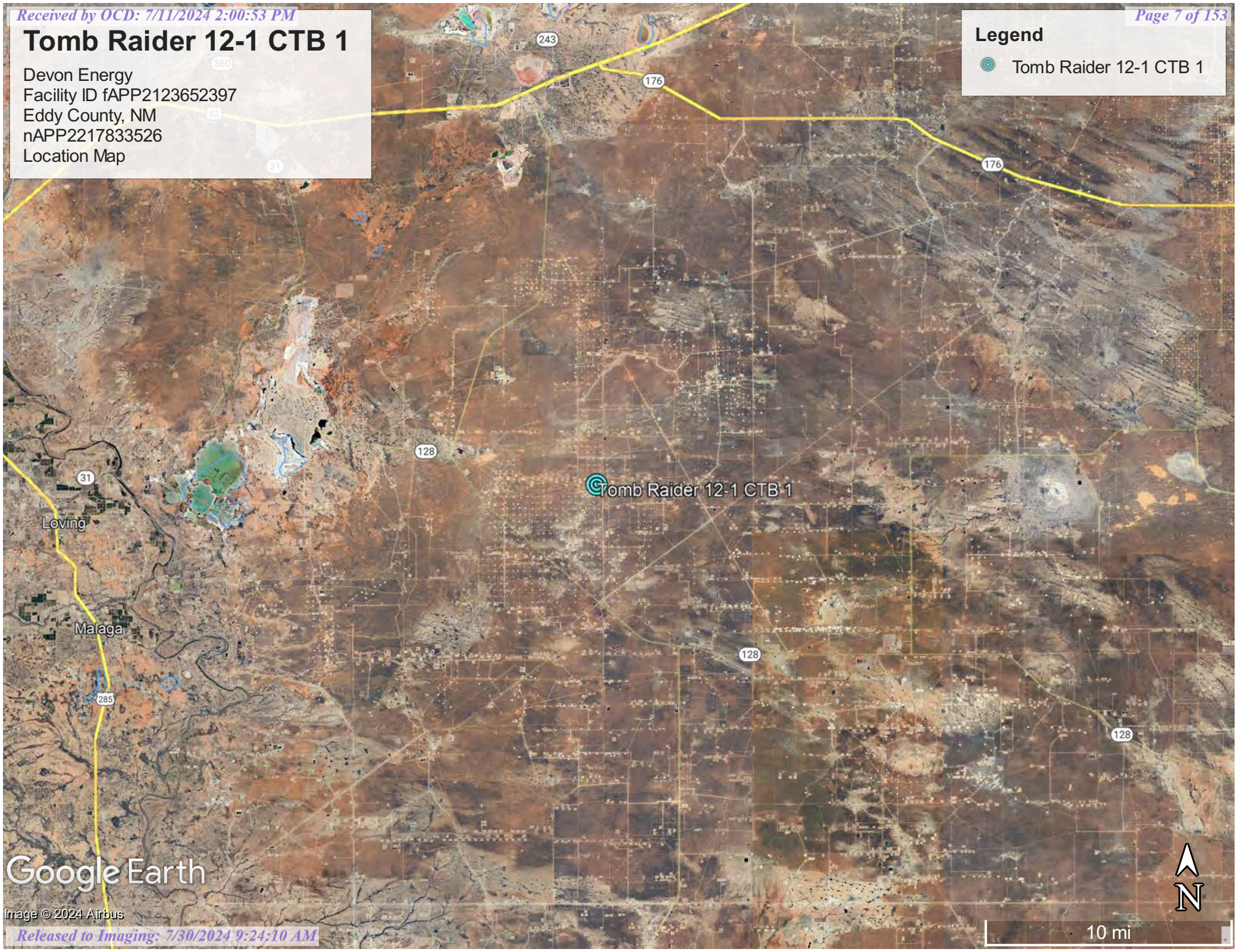
Figure 3- Karst Map

Figure 4- Site Map

Figure 5- Proposed Delineation Map

Tomb Raider 12-1 CTB 1

Devon Energy
Facility ID fAPP2123652397
Eddy County, NM
nAPP2217833526
Location Map

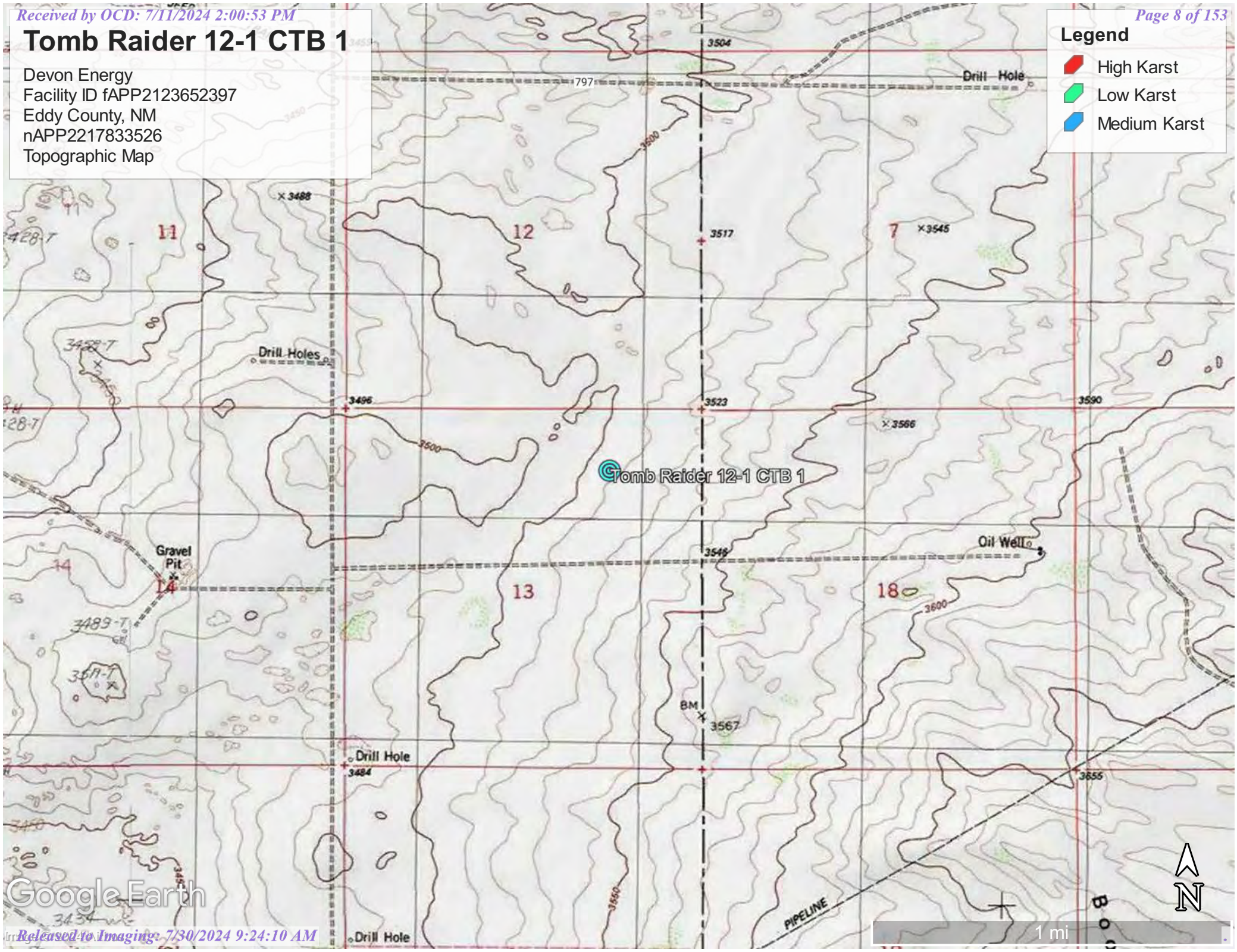


Tomb Raider 12-1 CTB 1

Devon Energy
Facility ID fAPP2123652397
Eddy County, NM
nAPP2217833526
Topographic Map

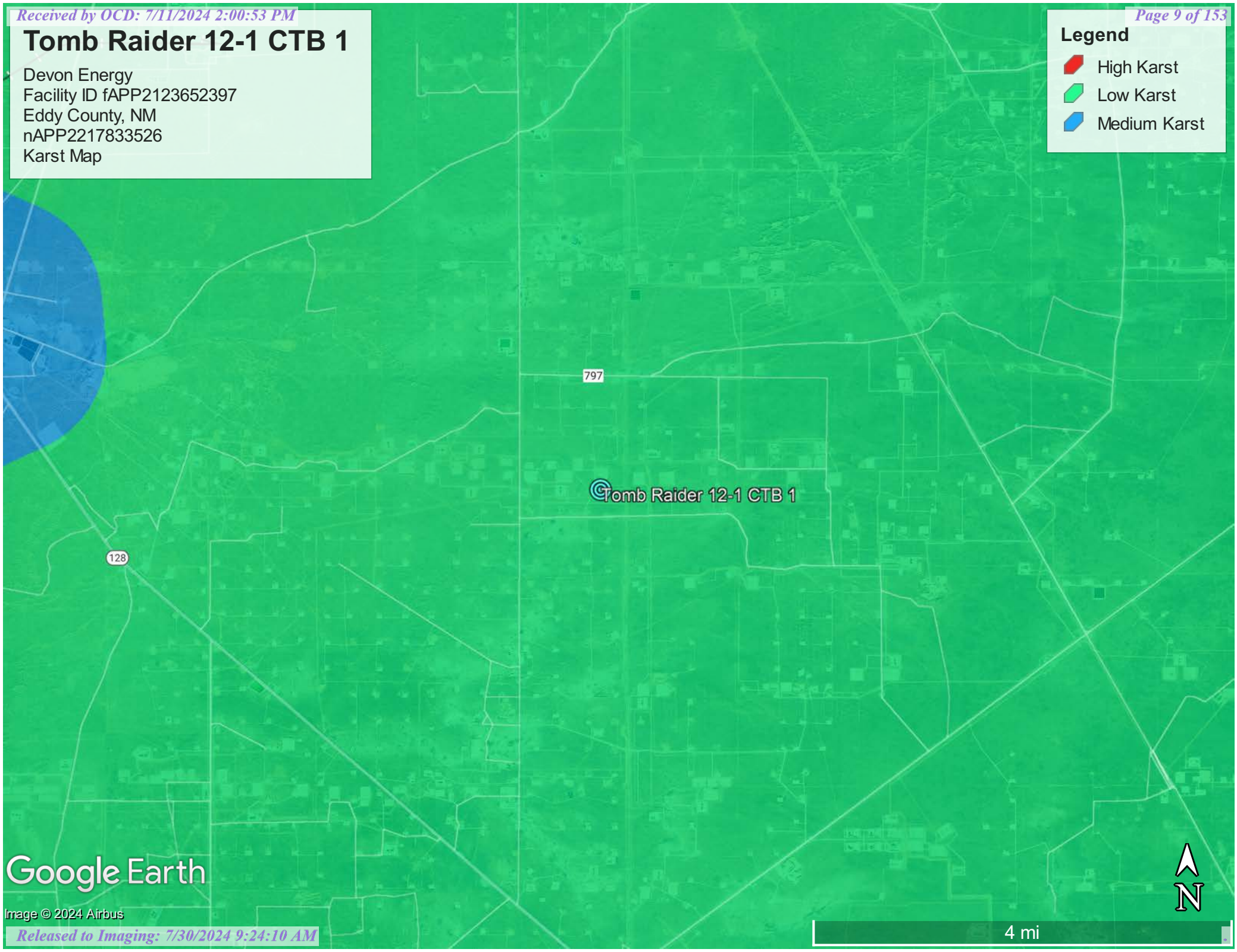
Legend

- High Karst
- Low Karst
- Medium Karst



Tomb Raider 12-1 CTB 1

Devon Energy
Facility ID fAPP2123652397
Eddy County, NM
nAPP2217833526
Karst Map



Tomb Raider 12-1 CTB 1

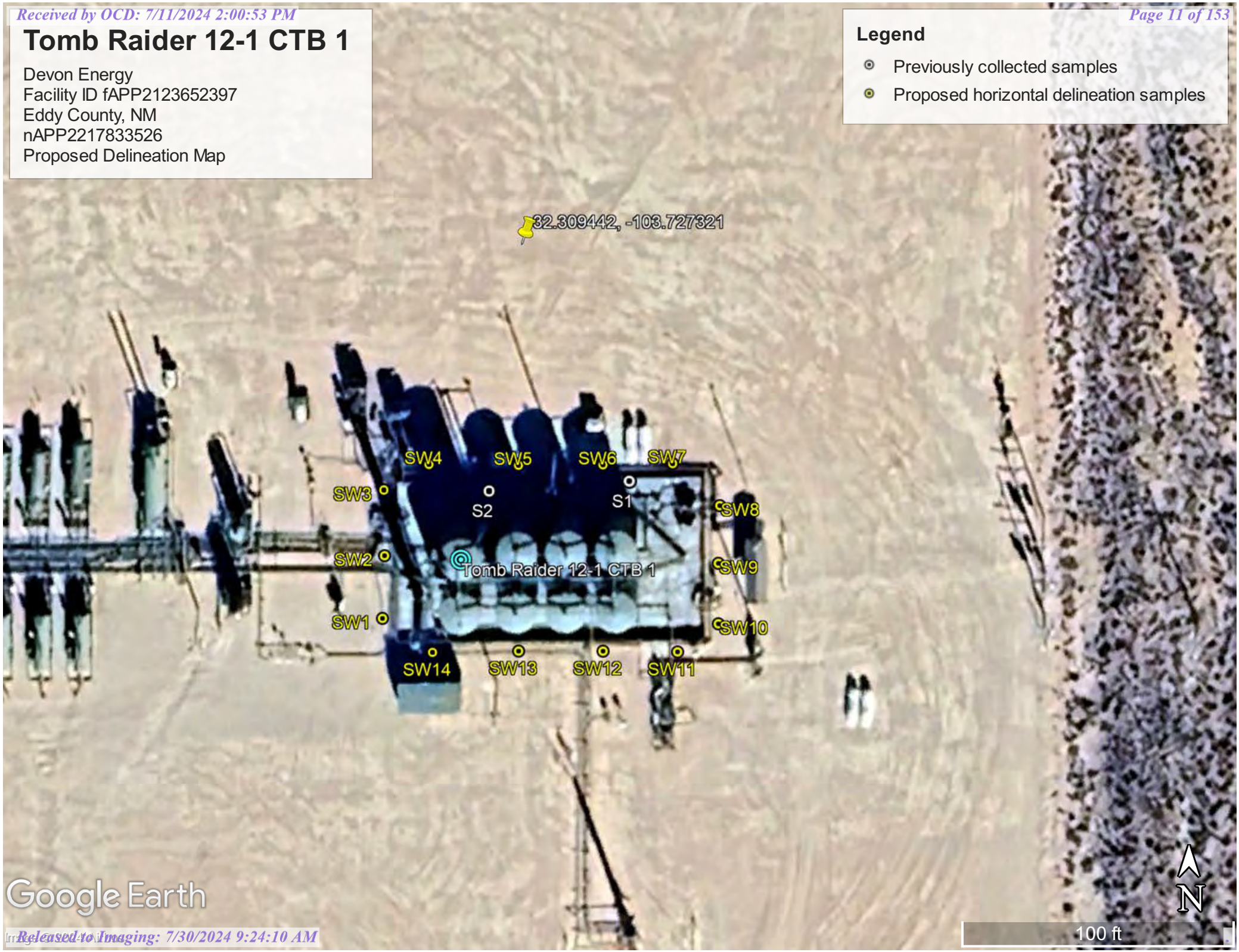
Devon Energy
Facility ID fAPP2123652397
Eddy County, NM
nAPP2217833526
Site Map

Tomb Raider 12-1 CTB 1

Devon Energy
Facility ID fAPP2123652397
Eddy County, NM
nAPP2217833526
Proposed Delineation Map

Legend

- Previously collected samples
- Proposed horizontal delineation samples



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	Sec	Twn	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 04704 POD1		CUB	ED	3	2	2	13	23S	31E	619854	3575363	83			
C 04712 POD3		CUB	ED	4	1	2	24	23S	31E	619651	3573877	1550	55		
C 04712 POD4		CUB	ED	1	4	3	14	23S	31E	617535	3574316	2515	55		
C 02777		CUB	ED	4	4	4	10	23S	31E	616974	3575662	2831	890		
C 03749 POD1		CUB	ED		2	2	15	23S	31E	616974	3575662	2831	865	639	226
C 04726 POD1		CUB	ED	1	1	4	01	23S	31E	619538	3578821	3408			
C 04712 POD2		CUB	LE	4	4	4	17	23S	32E	623332	3574331	3700	55		
C 02258		C	ED		3	2	26	23S	31E	618055	3571853*	3970	662		
C 03851 POD1		CUB	LE	3	3	4	20	23S	32E	622880	3572660	4140	1392	713	679
C 04709 POD1		CUB	ED	3	1	1	15	23S	31E	615509	3575262	4289			
C 02773		CUB	ED	4	1	3	03	23S	31E	615668	3577762*	4744	880		
C 02348		C	ED	1	4	3	26	23S	31E	617648	3571068	4854	700	430	270

Average Depth to Water: **594 feet**
Minimum Depth: **430 feet**
Maximum Depth: **713 feet**

Record Count: 12

UTMNAD83 Radius Search (in meters):

Easting (X): 619795.26 **Northing (Y):** 3575422 **Radius:** 5000

***UTM location was derived from PLSS - see Help**

9/18/23 1:36 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
POD 1 (TW-1)	N/A	C-4704

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Devon Energy	575-748-1838

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
6488 7 Rivers Hwy	Artesia	NM	88210

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	18	31.26	N
	LONGITUDE	103	43	36.7	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHJIP, RANGE) WHERE AVAILABLE

SW NE NE Sec.13 T23S R31E NMPM

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
1249	Jackie D. Atkins	Atkins Engineering Associates, Inc.

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
4/11/23	4/11/23	Temporary Well Material	±55	N/A

COMPLETED WELL IS: ☐ ARTESIAN ☑ DRY HOLE ☐ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): N/A

DATE STATIC MEASURED: 4/18/23

DRILLING FLUID: ☐ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☐ ROTARY ☐ HAMMER ☐ CABLE TOOL ☑ OTHER – SPECIFY: Hollow Stem Auger

CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	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)
0	55	±6.25	Soil Boring	--	--	--	--

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
			N/A		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO. C-04704	POD NO. 1	TRN NO. 742173	
LOCATION 23S.31E.13.322		WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	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)
0	20	20	Sand, fine-grained, poorly graded, semi-consolidated, with caliche Tan/ white	Y ✓ N	
20	44	24	Sand, fine-grained, poorly graded, semi-consolidated, Tan/ Brown	Y ✓ N	
44	55	9	Sand, fine-grained, poorly graded, semi-consolidated, Reddish Brown	Y ✓ N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

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: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface.
35
Tomb Raider 12 CTB 1

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

Shane Eldridge, Cameron Pruitt

6. SIGNATURE

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:

Jack Atkins — Jackie D. Atkins — 4/27/23

SIGNATURE OF DRILLER / PRINT SIGNEE NAME — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO. C-04704	POD NO. 1	TRN NO. 742173
LOCATION 23S.31E.13.322	WELL TAG ID NO.	PAGE 2 OF 2

OSE POD Location Map

7/2/2024, 2:33:57 PM

1:9,028

0 0.05 0.1 0.2 mi

0 0.1 0.2 0.4 km

Esri, HERE, iPC, Esri, HERE, Garmin, iPC, Maxar

GIS WATERS PODs

Active

OSE District Boundary

Water Right Regulations

Closure Area

Artesian Planning Area

Online web user

This is an unofficial map from the OSE's online application.

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: United States | GO

Click to hideNews Bulletins

How are we doing? We want to hear from you. Take our quick survey to tell us what you think.

- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

site_no list =

- 321732103401701

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

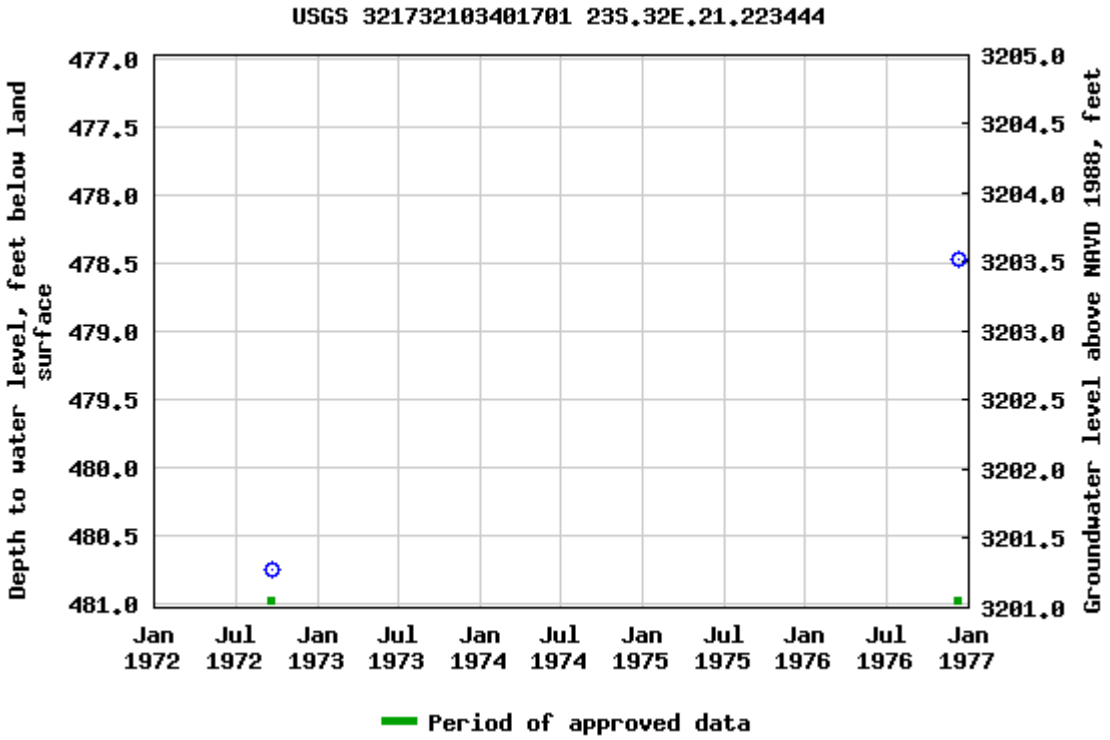
USGS 321732103401701 23S.32E.21.223444

Available data for this site | Groundwater: Field measurements | GO

Lea County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°17'32", Longitude 103°40'17" NAD27
Land-surface elevation 3,682 feet above NAVD88
The depth of the well is 550 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Santa Rosa Sandstone (231SNRS) 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.
Download a presentation-quality graph

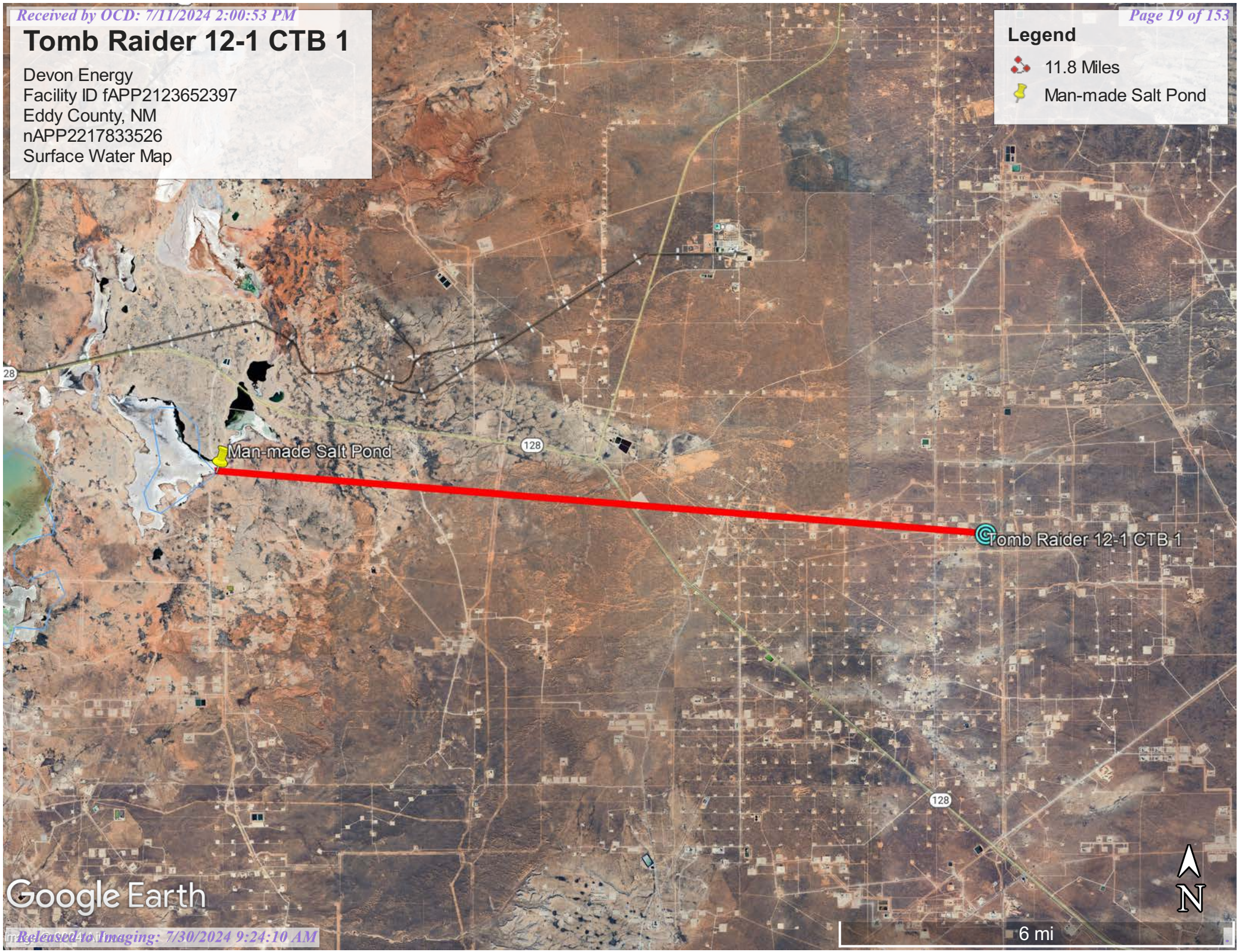
Questions or Comments
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

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: 2023-09-18 15:34:05 EDT
0.76 0.68 nadww01

Tomb Raider 12-1 CTB 1

Devon Energy
Facility ID fAPP2123652397
Eddy County, NM
nAPP2217833526
Surface Water Map



U.S. Fish and Wildlife Service
National Wetlands Inventory

Wetlands Map

September 18, 2023

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

FEMA

103°43'58"W 32°18'48"N

103°43'20"W 32°18'18"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

Basemap Imagery Source: USGS National Map 2023

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
- 20.2 / 17.5 Cross Sections with 1% Annual Chance / Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

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 9/18/2023 at 3:37 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.

Appendix B

- Soil Survey
- Soil Map
- Geologic Unit Map

Eddy Area, New Mexico

BA—Berino loamy fine sand, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w42
Elevation: 2,000 to 5,700 feet
Mean annual precipitation: 6 to 14 inches
Mean annual air temperature: 57 to 70 degrees F
Frost-free period: 180 to 260 days
Farmland classification: Not prime farmland

Map Unit Composition

Berino and similar soils: 99 percent
Minor components: 1 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Berino

Setting

Landform: Plains, fan piedmonts
Landform position (three-dimensional): Riser
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 12 inches: loamy fine sand
H2 - 12 to 58 inches: sandy clay loam
H3 - 58 to 60 inches: clay loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Maximum salinity: Very slightly saline to slightly saline (2.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Moderate (about 8.4 inches)

Interpretive groups

Land capability classification (irrigated): 3e
Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: B
Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Minor Components

Pajarito
Percent of map unit: 1 percent
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 18, Sep 8, 2022

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 19, Sep 8, 2022

Eddy Area, New Mexico

BB—Berino complex, 0 to 3 percent slopes, eroded

Map Unit Setting

National map unit symbol: 1w43
Elevation: 2,000 to 5,700 feet
Mean annual precipitation: 5 to 15 inches
Mean annual air temperature: 57 to 70 degrees F
Frost-free period: 180 to 260 days
Farmland classification: Not prime farmland

Map Unit Composition

Berino and similar soils: 60 percent
Pajarito and similar soils: 25 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Berino

Setting

Landform: Plains, fan piedmonts
Landform position (three-dimensional): Riser
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 17 inches: fine sand
H2 - 17 to 58 inches: sandy clay loam
H3 - 58 to 60 inches: loamy sand

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Maximum salinity: Very slightly saline to slightly saline (2.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Moderate (about 8.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Description of Pajarito

Setting

Landform: Dunes, plains, interdunes
Landform position (three-dimensional): Side slope
Down-slope shape: Convex, linear
Across-slope shape: Convex, linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 9 inches: loamy fine sand
H2 - 9 to 72 inches: fine sandy loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Maximum salinity: Nonsaline (0.0 to 1.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Moderate (about 8.0 inches)

Interpretive groups

Land capability classification (irrigated): 2e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: A
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Wink

Percent of map unit: 4 percent
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Cacique

Percent of map unit: 4 percent
Ecological site: R070BD004NM - Sandy
Hydric soil rating: No

Pajarito

Percent of map unit: 4 percent

Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

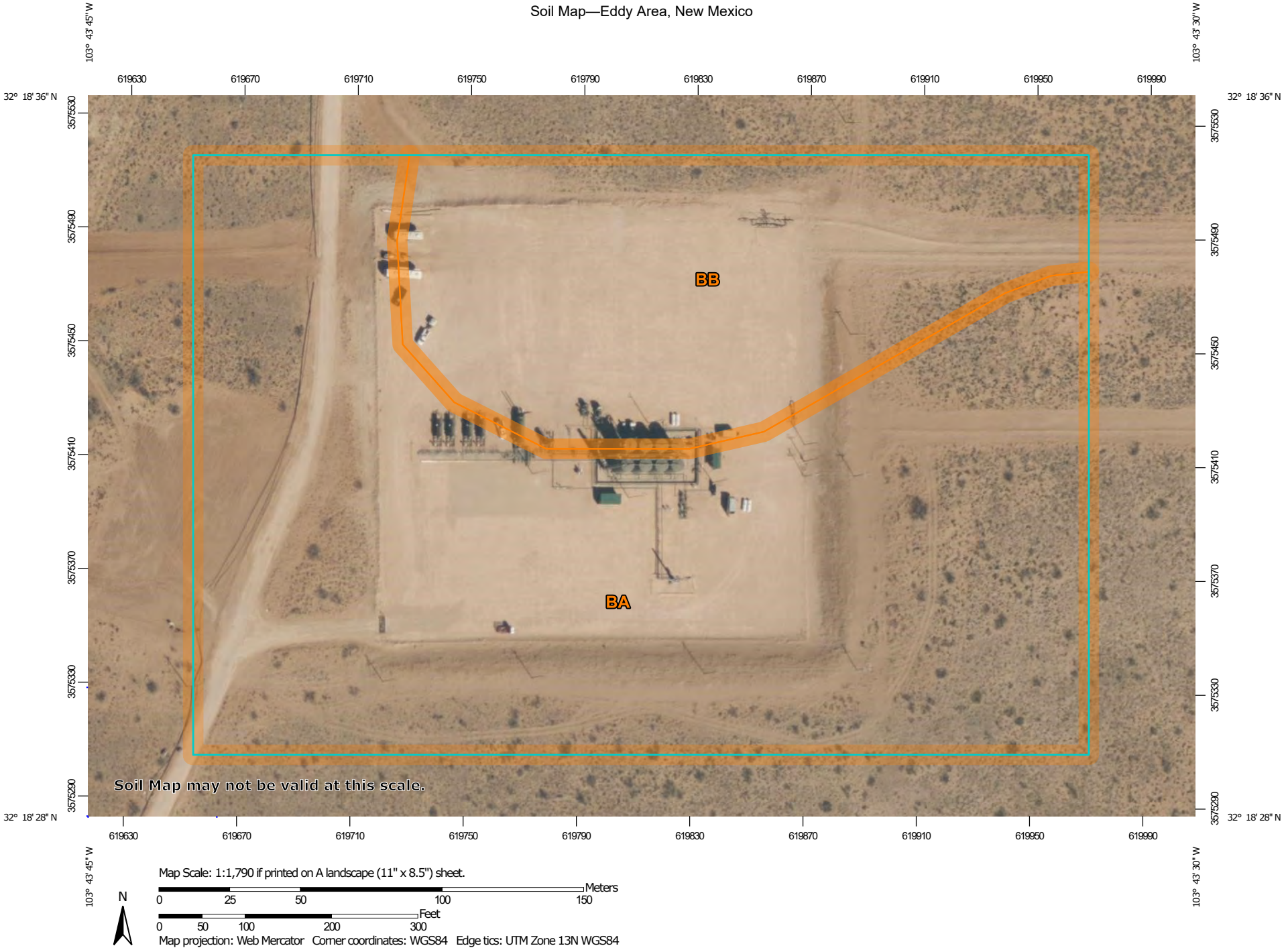
Kermit

Percent of map unit: 3 percent
Ecological site: R070BD005NM - Deep Sand
Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 19, Sep 7, 2023

Soil Map—Eddy Area, New Mexico



MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 19, Sep 7, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020

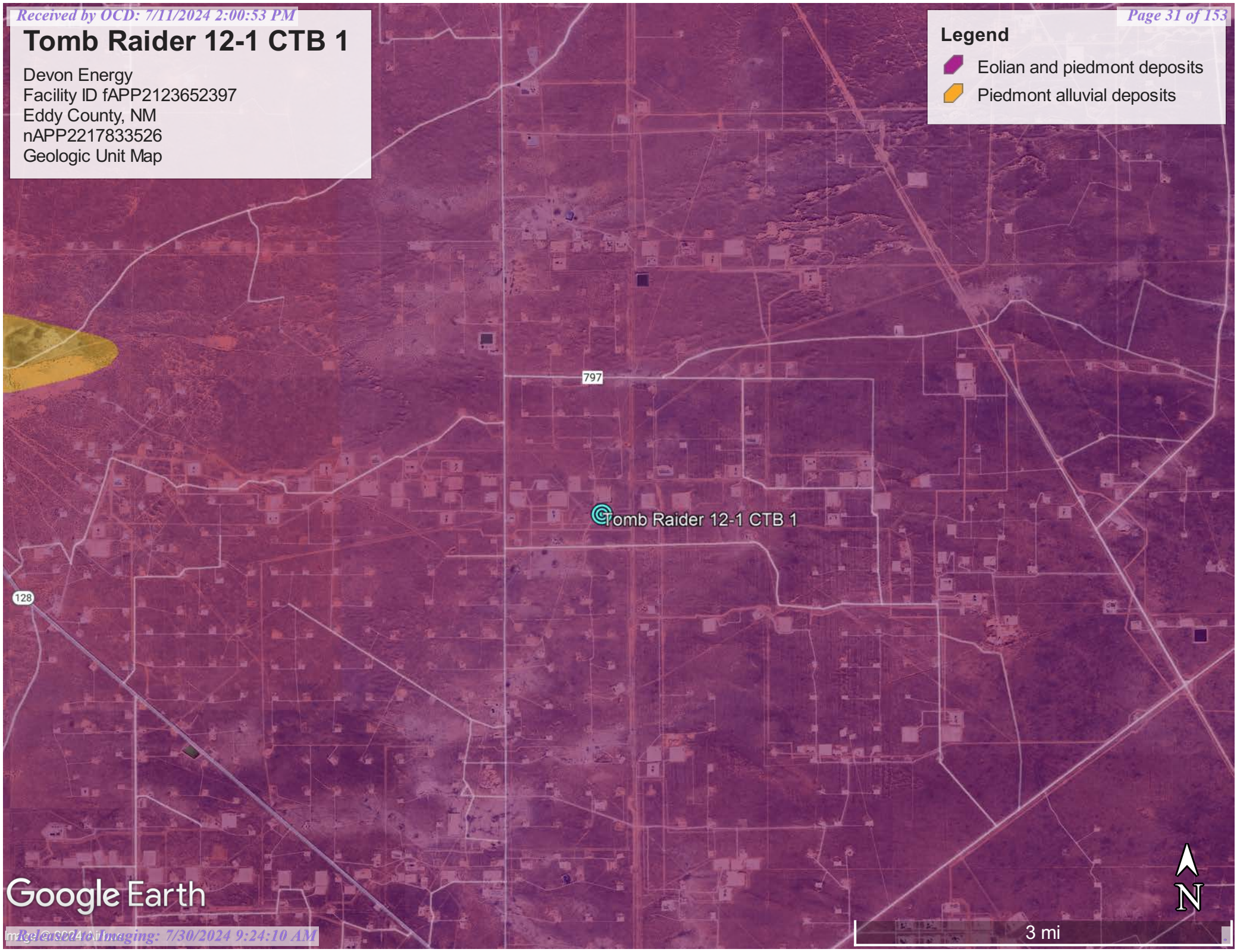
The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BA	Berino loamy fine sand, 0 to 3 percent slopes	11.6	70.2%
BB	Berino complex, 0 to 3 percent slopes, eroded	4.9	29.8%
Totals for Area of Interest		**16.5**	**100.0%**

Tomb Raider 12-1 CTB 1

Devon Energy
Facility ID fAPP2123652397
Eddy County, NM
nAPP2217833526
Geologic Unit Map



Appendix C

- C-141 Form
- 48-Hour Notification
- NMOCD Correspondence

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
Contact Name	Contact Telephone
Contact email	Incident # *(assigned by OCD)*
Contact mailing address	

Location of Release Source

Latitude _____ Longitude _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Site Type
Date Release Discovered	API# *(if applicable)*

Unit Letter	Section	Township	Range	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)	Volume Recovered (bbls)
	Is the concentration of total dissolved solids (TDS) 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		

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2217833526
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

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.
- ☐ 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.

Printed Name: _____ Title: _____

Signature: Kendra Ruiz Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 07/12/2022

Tom Pima Oil <tom@pimaoil.com>

FW: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 356283

1 message

Woodall, Dale <Dale.Woodall@dvn.com> Thu, Jun 20, 2024 at 10:28 AM
To: Tom Pima Oil <tom@pimaoil.com>, Gio PimaOil <gio@pimaoil.com>, Lynsey Pima Oil <lynsey@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: Thursday, June 20, 2024 9:28 AM
To: Woodall, Dale <Dale.Woodall@dvn.com>
Subject: [EXTERNAL] The Oil Conservation Division (OCD) has accepted the application, Application ID: 356283

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

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2217833526.

The sampling event is expected to take place:

When: 06/24/2024 @ 10:00
Where: B-13-23S-31E 900 FNL 1400 FEL (32.30922278,-103.7274908)

Additional Information: Marisa Loya (575) 416-0639

Additional Instructions: B-13-23S-31E Lat/Long: 32.30922278,-103.7274908 From the intersection of Red Road and County Road 797 in Eddy county, travel south on Red Rd for 1.3 miles, turn east on lease road for 0.62 miles, turn north for 0.25 miles, turn east into location.

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. 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 sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples 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

Gmail Tom Pima Oil <tom@pimaoil.com>

RE: [EXTERNAL] Regarding Deferral denial - nAPP2217833526

1 message

Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov> Tue, May 28, 2024 at 3:35 PM
To: Tom Pima Oil <tom@pimaoil.com>, "Bratcher, Michael, EMNRD" <mike.bratcher@emnrd.nm.gov>
Cc: "Woodall, Dale" <Dale.Woodall@dvn.com>, "Mathews, Wesley" <wesley.mathews@dvn.com>, Gio PimaOil <gio@pimaoil.com>, Delrae Pima Oil <delrae@pimaoil.com>

Tom,

I think we would be ok with this type of horizontal delineation if the contaminants stayed underneath the liner. If contaminants are found around the outside of the secondary containment, the lateral delineation points will need to move outward away from the containment until a sample is below closure criteria standards. Depending on how far away from the containment the contaminants go, it may be necessary to remediate the soil around the outside of the containment before a deferral can be granted if it doesn't require a major facility deconstruction.

Regards,

Robert Hamlet ● Environmental Specialist - Advanced

Environmental Bureau

EMNRD - Oil Conservation Division

506 W. Texas Ave.| Artesia, NM 88210

575.909.0302 | robert.hamlet@state.nm.us

http://www.emnrd.state.nm.us/OCD/

From: Tom Pima Oil <tom@pimaoil.com>
Sent: Thursday, May 23, 2024 8:55 AM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Cc: Woodall, Dale <Dale.Woodall@dvn.com>; Mathews, Wesley <wesley.mathews@dvn.com>; Gio PimaOil <gio@pimaoil.com>; Delrae Pima Oil <delrae@pimaoil.com>
Subject: [EXTERNAL] Regarding Deferral denial - nAPP2217833526

Good morning,

In reviewing this denied deferral for Devon on the above-mentioned incident at the Tomb Raider 12-1 CTB 1, I was wondering if I could propose a different method of horizontally delineating this area? Would it suffice if we were to collect samples from around the outside of the secondary containment wall?

Each would be a composite sample consisting of Surface, 1', 2', 3', and 4'. See the attached map for reference. There would be 14 total samples collected. For each sample point, if contamination is found over the regulatory limits of 100/600, we will move laterally away from the release area in 2' increments until delineation is achieved. The exact outline of the release may or may not be defined, but I believe it would be possible to verify if the release migrated away from the pad or is still confined to the pad area. Would you agree that our main objective is to find out if the horizontal extents have migrated off-pad or not?

Verified Information:

Karst - Low

Groundwater - 51-100' (C-04704 POD1)

Vertical Delineation - Hole 1 - @2' // Hole 2 - @1'

Nearest Wetland - over 3 miles

Fema - minimal flood hazard, zone x

Please let us know if this could satisfy the requirement, and/or if you have any questions or other suggestions. Also attached for reference is the previously denied deferral report, and OSE pod map.

09/18/2023	The Deferral Request is Denied. The liner will need to be pulled and sampling should be safely conducted underneath the liner. New Mexico 811 should be called out to do some locates. The OCD needs the spill vertically and horizontally delineated before a deferral can be granted. Safety should be paramount sampling around equipment and pipeline, just use your best judgement. If you believe a certain area will require a deferral, please make sure that it has been fully delineated with a sample at that location or as close to that location as possible. Sidewall/Edge samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Please collect confirmation samples, representing no more than 200 ft2. The work will need to occur in 90 days after the report has been reviewed.

MANY THANKS,

Tom Bynum

Cell – 580-748-1613

Office – 575-964-7740

Appendix D

- Photographic Documentation

Confirmation Sample Collection

Lease Sign

Southwest corner looking east

Southwest corner looking north

Northeast corner looking south

Northeast corner looking west

Southeast corner looking west

Southeast corner looking north

Northwest corner looking south

Northwest corner looking east

Sample Collection 1

Sample Collection 2

Sample Collection 3

Sample Collection 4

Sample Collection 5

Sample Collection 6

Sample Collection 7

Sample Collection 8

Sample Collection 9

Sample Collection 10

Sample Collection 11

Sample Collection 12

Sample Collection 13

Sample Collection 14

Appendix E

- Laboratory Report

Report to:

Gio Gomez

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name:	Tomb Raider 12-1 CTB 1
Work Order:	E406237
Job Number:	21064-0001
Received:	6/26/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/1/24

Date Reported: 7/1/24

Gio Gomez
PO Box 247
Plains, TX 79355-0247

Project Name: Tomb Raider 12-1 CTB 1
Workorder: E406237
Date Received: 6/26/2024 6:00:00AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/26/2024 6:00:00AM, under the Project Name: Tomb Raider 12-1 CTB 1.

The analytical test results summarized in this report with the Project Name: Tomb Raider 12-1 CTB 1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Table of Contents (continued)

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Tomb Raider 12-1 CTB 1	**Reported:**
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	07/01/24 12:53

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW1 0-4' Comp	E406237-01A	Soil	06/24/24	06/26/24	Glass Jar, 2 oz.
SW2 0-4'Comp	E406237-02A	Soil	06/24/24	06/26/24	Glass Jar, 2 oz.
SW3 0-4'Comp	E406237-03A	Soil	06/24/24	06/26/24	Glass Jar, 2 oz.
SW4 0-4'Comp	E406237-04A	Soil	06/24/24	06/26/24	Glass Jar, 2 oz.
SW5 0-4'Comp	E406237-05A	Soil	06/24/24	06/26/24	Glass Jar, 2 oz.
SW6 0-4'Comp	E406237-06A	Soil	06/24/24	06/26/24	Glass Jar, 2 oz.
SW7 0-4'Comp	E406237-07A	Soil	06/24/24	06/26/24	Glass Jar, 2 oz.
SW8 0-4'Comp	E406237-08A	Soil	06/24/24	06/26/24	Glass Jar, 2 oz.
SW9 0-4'Comp	E406237-09A	Soil	06/24/24	06/26/24	Glass Jar, 2 oz.
SW10 0-4'Comp	E406237-10A	Soil	06/24/24	06/26/24	Glass Jar, 2 oz.
SW11 0-4'Comp	E406237-11A	Soil	06/24/24	06/26/24	Glass Jar, 2 oz.
SW12 0-4'Comp	E406237-12A	Soil	06/24/24	06/26/24	Glass Jar, 2 oz.
SW13 0-4'Comp	E406237-13A	Soil	06/24/24	06/26/24	Glass Jar, 2 oz.
SW14 0-4'Comp	E406237-14A	Soil	06/24/24	06/26/24	Glass Jar, 2 oz.

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Tomb Raider 12-1 CTB 1	
PO Box 247	Project Number:	21064-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	7/1/2024 12:53:50PM

SW1 0-4' Comp

E406237-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2426037
Benzene	ND	0.0250	1	06/26/24	06/28/24	
Ethylbenzene	ND	0.0250	1	06/26/24	06/28/24	
Toluene	ND	0.0250	1	06/26/24	06/28/24	
o-Xylene	ND	0.0250	1	06/26/24	06/28/24	
p,m-Xylene	ND	0.0500	1	06/26/24	06/28/24	
Total Xylenes	ND	0.0250	1	06/26/24	06/28/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.8 %*	*70-130*	*06/26/24*	*06/28/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2426037
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/24	06/28/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.7 %*	*70-130*	*06/26/24*	*06/28/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2426040
Diesel Range Organics (C10-C28)	ND	25.0	1	06/26/24	06/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/26/24	06/26/24	
Surrogate: n-Nonane		*101 %*	*50-200*	*06/26/24*	*06/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426041
Chloride	**37.5**	20.0	1	06/26/24	06/26/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Tomb Raider 12-1 CTB 1	
PO Box 247	Project Number:	21064-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	7/1/2024 12:53:50PM

SW2 0-4'Comp

E406237-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2426037
Benzene	ND	0.0250	1	06/26/24	06/28/24	
Ethylbenzene	ND	0.0250	1	06/26/24	06/28/24	
Toluene	ND	0.0250	1	06/26/24	06/28/24	
o-Xylene	ND	0.0250	1	06/26/24	06/28/24	
p,m-Xylene	ND	0.0500	1	06/26/24	06/28/24	
Total Xylenes	ND	0.0250	1	06/26/24	06/28/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.9 %*	*70-130*	*06/26/24*	*06/28/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2426037
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/24	06/28/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.1 %*	*70-130*	*06/26/24*	*06/28/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2426040
Diesel Range Organics (C10-C28)	ND	25.0	1	06/26/24	06/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/26/24	06/26/24	
Surrogate: n-Nonane		*97.2 %*	*50-200*	*06/26/24*	*06/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426041
Chloride	**20.2**	20.0	1	06/26/24	06/26/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Tomb Raider 12-1 CTB 1	
PO Box 247	Project Number:	21064-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	7/1/2024 12:53:50PM

SW3 0-4'Comp

E406237-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2426037
Benzene	ND	0.0250	1	06/26/24	06/28/24	
Ethylbenzene	ND	0.0250	1	06/26/24	06/28/24	
Toluene	ND	0.0250	1	06/26/24	06/28/24	
o-Xylene	ND	0.0250	1	06/26/24	06/28/24	
p,m-Xylene	ND	0.0500	1	06/26/24	06/28/24	
Total Xylenes	ND	0.0250	1	06/26/24	06/28/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.9 %*	*70-130*	*06/26/24*	*06/28/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2426037
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/24	06/28/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.4 %*	*70-130*	*06/26/24*	*06/28/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2426040
Diesel Range Organics (C10-C28)	ND	25.0	1	06/26/24	06/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/26/24	06/26/24	
Surrogate: n-Nonane		*102 %*	*50-200*	*06/26/24*	*06/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426041
Chloride	**30.8**	20.0	1	06/26/24	06/26/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Tomb Raider 12-1 CTB 1	
PO Box 247	Project Number:	21064-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	7/1/2024 12:53:50PM

SW4 0-4'Comp

E406237-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2426037
Benzene	ND	0.0250	1	06/26/24	06/28/24	
Ethylbenzene	ND	0.0250	1	06/26/24	06/28/24	
Toluene	ND	0.0250	1	06/26/24	06/28/24	
o-Xylene	ND	0.0250	1	06/26/24	06/28/24	
p,m-Xylene	ND	0.0500	1	06/26/24	06/28/24	
Total Xylenes	ND	0.0250	1	06/26/24	06/28/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.9 %*	*70-130*	*06/26/24*	*06/28/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2426037
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/24	06/28/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.2 %*	*70-130*	*06/26/24*	*06/28/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2426040
Diesel Range Organics (C10-C28)	ND	25.0	1	06/26/24	06/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/26/24	06/26/24	
Surrogate: n-Nonane		*103 %*	*50-200*	*06/26/24*	*06/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426041
Chloride	**33.8**	20.0	1	06/26/24	06/26/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Tomb Raider 12-1 CTB 1	
PO Box 247	Project Number:	21064-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	7/1/2024 12:53:50PM

SW5 0-4'Comp

E406237-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2426037
Benzene	ND	0.0250	1	06/26/24	06/28/24	
Ethylbenzene	ND	0.0250	1	06/26/24	06/28/24	
Toluene	ND	0.0250	1	06/26/24	06/28/24	
o-Xylene	ND	0.0250	1	06/26/24	06/28/24	
p,m-Xylene	ND	0.0500	1	06/26/24	06/28/24	
Total Xylenes	ND	0.0250	1	06/26/24	06/28/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.5 %*	*70-130*	*06/26/24*	*06/28/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2426037
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/24	06/28/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.2 %*	*70-130*	*06/26/24*	*06/28/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2426040
Diesel Range Organics (C10-C28)	ND	25.0	1	06/26/24	06/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/26/24	06/26/24	
Surrogate: n-Nonane		*99.8 %*	*50-200*	*06/26/24*	*06/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426041
Chloride	**30.0**	20.0	1	06/26/24	06/26/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Tomb Raider 12-1 CTB 1	
PO Box 247	Project Number:	21064-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	7/1/2024 12:53:50PM

SW6 0-4'Comp

E406237-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2426037
Benzene	ND	0.0250	1	06/26/24	06/28/24	
Ethylbenzene	ND	0.0250	1	06/26/24	06/28/24	
Toluene	ND	0.0250	1	06/26/24	06/28/24	
o-Xylene	ND	0.0250	1	06/26/24	06/28/24	
p,m-Xylene	ND	0.0500	1	06/26/24	06/28/24	
Total Xylenes	ND	0.0250	1	06/26/24	06/28/24	
Surrogate: 4-Bromochlorobenzene-PID		*87.8 %*	*70-130*	*06/26/24*	*06/28/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2426037
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/24	06/28/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.0 %*	*70-130*	*06/26/24*	*06/28/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2426040
Diesel Range Organics (C10-C28)	ND	25.0	1	06/26/24	06/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/26/24	06/26/24	
Surrogate: n-Nonane		*99.3 %*	*50-200*	*06/26/24*	*06/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426041
Chloride	ND	20.0	1	06/26/24	06/26/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Tomb Raider 12-1 CTB 1	
PO Box 247	Project Number:	21064-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	7/1/2024 12:53:50PM

SW7 0-4'Comp

E406237-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2426037
Benzene	ND	0.0250	1	06/26/24	06/28/24	
Ethylbenzene	ND	0.0250	1	06/26/24	06/28/24	
Toluene	ND	0.0250	1	06/26/24	06/28/24	
o-Xylene	ND	0.0250	1	06/26/24	06/28/24	
p,m-Xylene	ND	0.0500	1	06/26/24	06/28/24	
Total Xylenes	ND	0.0250	1	06/26/24	06/28/24	
Surrogate: 4-Bromochlorobenzene-PID		*89.4 %*	*70-130*	*06/26/24*	*06/28/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2426037
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/24	06/28/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.5 %*	*70-130*	*06/26/24*	*06/28/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2426040
Diesel Range Organics (C10-C28)	ND	25.0	1	06/26/24	06/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/26/24	06/26/24	
Surrogate: n-Nonane		*95.7 %*	*50-200*	*06/26/24*	*06/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426041
Chloride	**26.5**	20.0	1	06/26/24	06/26/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Tomb Raider 12-1 CTB 1	
PO Box 247	Project Number:	21064-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	7/1/2024 12:53:50PM

SW8 0-4'Comp

E406237-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2426037
Benzene	ND	0.0250	1	06/26/24	06/28/24	
Ethylbenzene	ND	0.0250	1	06/26/24	06/28/24	
Toluene	ND	0.0250	1	06/26/24	06/28/24	
o-Xylene	ND	0.0250	1	06/26/24	06/28/24	
p,m-Xylene	ND	0.0500	1	06/26/24	06/28/24	
Total Xylenes	ND	0.0250	1	06/26/24	06/28/24	
Surrogate: 4-Bromochlorobenzene-PID		*88.7 %*	*70-130*	*06/26/24*	*06/28/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2426037
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/24	06/28/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.0 %*	*70-130*	*06/26/24*	*06/28/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2426040
Diesel Range Organics (C10-C28)	ND	25.0	1	06/26/24	06/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/26/24	06/26/24	
Surrogate: n-Nonane		*98.3 %*	*50-200*	*06/26/24*	*06/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426041
Chloride	**26.5**	20.0	1	06/26/24	06/26/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Tomb Raider 12-1 CTB 1	
PO Box 247	Project Number:	21064-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	7/1/2024 12:53:50PM

SW9 0-4'Comp

E406237-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2426037
Benzene	ND	0.0250	1	06/26/24	06/28/24	
Ethylbenzene	ND	0.0250	1	06/26/24	06/28/24	
Toluene	ND	0.0250	1	06/26/24	06/28/24	
o-Xylene	ND	0.0250	1	06/26/24	06/28/24	
p,m-Xylene	ND	0.0500	1	06/26/24	06/28/24	
Total Xylenes	ND	0.0250	1	06/26/24	06/28/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.1 %*	*70-130*	*06/26/24*	*06/28/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2426037
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/24	06/28/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.0 %*	*70-130*	*06/26/24*	*06/28/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2426040
Diesel Range Organics (C10-C28)	ND	25.0	1	06/26/24	06/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/26/24	06/26/24	
Surrogate: n-Nonane		*97.9 %*	*50-200*	*06/26/24*	*06/26/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426041
Chloride	**37.5**	20.0	1	06/26/24	06/26/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Tomb Raider 12-1 CTB 1	
PO Box 247	Project Number:	21064-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	7/1/2024 12:53:50PM

SW10 0-4'Comp

E406237-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2426037
Benzene	ND	0.0250	1	06/26/24	06/28/24	
Ethylbenzene	ND	0.0250	1	06/26/24	06/28/24	
Toluene	ND	0.0250	1	06/26/24	06/28/24	
o-Xylene	ND	0.0250	1	06/26/24	06/28/24	
p,m-Xylene	ND	0.0500	1	06/26/24	06/28/24	
Total Xylenes	ND	0.0250	1	06/26/24	06/28/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.1 %*	*70-130*	*06/26/24*	*06/28/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2426037
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/24	06/28/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.1 %*	*70-130*	*06/26/24*	*06/28/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2426040
Diesel Range Organics (C10-C28)	ND	25.0	1	06/26/24	06/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/26/24	06/27/24	
Surrogate: n-Nonane		*102 %*	*50-200*	*06/26/24*	*06/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426041
Chloride	ND	20.0	1	06/26/24	06/26/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Tomb Raider 12-1 CTB 1	
PO Box 247	Project Number:	21064-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	7/1/2024 12:53:50PM

SW11 0-4'Comp

E406237-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2426037
Benzene	ND	0.0250	1	06/26/24	06/28/24	
Ethylbenzene	ND	0.0250	1	06/26/24	06/28/24	
Toluene	ND	0.0250	1	06/26/24	06/28/24	
o-Xylene	ND	0.0250	1	06/26/24	06/28/24	
p,m-Xylene	ND	0.0500	1	06/26/24	06/28/24	
Total Xylenes	ND	0.0250	1	06/26/24	06/28/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.9 %*	*70-130*	*06/26/24*	*06/28/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2426037
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/24	06/28/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.1 %*	*70-130*	*06/26/24*	*06/28/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2426040
Diesel Range Organics (C10-C28)	ND	25.0	1	06/26/24	06/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/26/24	06/27/24	
Surrogate: n-Nonane		*100 %*	*50-200*	*06/26/24*	*06/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426041
Chloride	**45.3**	20.0	1	06/26/24	06/26/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Tomb Raider 12-1 CTB 1	
PO Box 247	Project Number:	21064-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	7/1/2024 12:53:50PM

SW12 0-4'Comp

E406237-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2426037
Benzene	ND	0.0250	1	06/26/24	06/28/24	
Ethylbenzene	ND	0.0250	1	06/26/24	06/28/24	
Toluene	ND	0.0250	1	06/26/24	06/28/24	
o-Xylene	ND	0.0250	1	06/26/24	06/28/24	
p,m-Xylene	ND	0.0500	1	06/26/24	06/28/24	
Total Xylenes	ND	0.0250	1	06/26/24	06/28/24	
Surrogate: 4-Bromochlorobenzene-PID		*90.9 %*	*70-130*	*06/26/24*	*06/28/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2426037
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/24	06/28/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.6 %*	*70-130*	*06/26/24*	*06/28/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2426040
Diesel Range Organics (C10-C28)	ND	25.0	1	06/26/24	06/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/26/24	06/27/24	
Surrogate: n-Nonane		*98.8 %*	*50-200*	*06/26/24*	*06/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426041
Chloride	**23.3**	20.0	1	06/26/24	06/26/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Tomb Raider 12-1 CTB 1	
PO Box 247	Project Number:	21064-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	7/1/2024 12:53:50PM

SW13 0-4'Comp

E406237-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2426037
Benzene	ND	0.0250	1	06/26/24	06/28/24	
Ethylbenzene	ND	0.0250	1	06/26/24	06/28/24	
Toluene	ND	0.0250	1	06/26/24	06/28/24	
o-Xylene	ND	0.0250	1	06/26/24	06/28/24	
p,m-Xylene	ND	0.0500	1	06/26/24	06/28/24	
Total Xylenes	ND	0.0250	1	06/26/24	06/28/24	
Surrogate: 4-Bromochlorobenzene-PID		*91.0 %*	*70-130*	*06/26/24*	*06/28/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2426037
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/24	06/28/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.6 %*	*70-130*	*06/26/24*	*06/28/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2426040
Diesel Range Organics (C10-C28)	ND	25.0	1	06/26/24	06/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/26/24	06/27/24	
Surrogate: n-Nonane		*92.4 %*	*50-200*	*06/26/24*	*06/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426041
Chloride	**32.6**	20.0	1	06/26/24	06/26/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Tomb Raider 12-1 CTB 1	
PO Box 247	Project Number:	21064-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	7/1/2024 12:53:50PM

SW14 0-4'Comp

E406237-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2426037
Benzene	ND	0.0250	1	06/26/24	07/01/24	
Ethylbenzene	ND	0.0250	1	06/26/24	07/01/24	
Toluene	ND	0.0250	1	06/26/24	07/01/24	
o-Xylene	ND	0.0250	1	06/26/24	07/01/24	
p,m-Xylene	ND	0.0500	1	06/26/24	07/01/24	
Total Xylenes	ND	0.0250	1	06/26/24	07/01/24	
Surrogate: 4-Bromochlorobenzene-PID		*93.0 %*	*70-130*	*06/26/24*	*07/01/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2426037
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/26/24	07/01/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.6 %*	*70-130*	*06/26/24*	*07/01/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2426040
Diesel Range Organics (C10-C28)	ND	25.0	1	06/26/24	06/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/26/24	06/27/24	
Surrogate: n-Nonane		*93.6 %*	*50-200*	*06/26/24*	*06/27/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2426041
Chloride	**26.4**	20.0	1	06/26/24	06/26/24	

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Tomb Raider 12-1 CTB 1	**Reported:**
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	7/1/2024 12:53:50PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2426037-BLK1)									Prepared: 06/26/24 Analyzed: 06/28/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.19*		*8.00*		*89.9*	*70-130*			
LCS (2426037-BS1)									Prepared: 06/26/24 Analyzed: 06/28/24
Benzene	5.03	0.0250	5.00		101	70-130			
Ethylbenzene	4.88	0.0250	5.00		97.5	70-130			
Toluene	4.96	0.0250	5.00		99.2	70-130			
o-Xylene	4.83	0.0250	5.00		96.6	70-130			
p,m-Xylene	9.89	0.0500	10.0		98.9	70-130			
Total Xylenes	14.7	0.0250	15.0		98.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.23*		*8.00*		*90.3*	*70-130*			
Matrix Spike (2426037-MS1)				**Source: E406237-08**					Prepared: 06/26/24 Analyzed: 06/28/24
Benzene	4.65	0.0250	5.00	ND	93.1	54-133			
Ethylbenzene	4.53	0.0250	5.00	ND	90.7	61-133			
Toluene	4.61	0.0250	5.00	ND	92.2	61-130			
o-Xylene	4.52	0.0250	5.00	ND	90.3	63-131			
p,m-Xylene	9.23	0.0500	10.0	ND	92.3	63-131			
Total Xylenes	13.7	0.0250	15.0	ND	91.6	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.11*		*8.00*		*88.9*	*70-130*			
Matrix Spike Dup (2426037-MSD1)				**Source: E406237-08**					Prepared: 06/26/24 Analyzed: 06/28/24
Benzene	4.88	0.0250	5.00	ND	97.7	54-133	4.81	20	
Ethylbenzene	4.73	0.0250	5.00	ND	94.6	61-133	4.20	20	
Toluene	4.82	0.0250	5.00	ND	96.5	61-130	4.58	20	
o-Xylene	4.70	0.0250	5.00	ND	93.9	63-131	3.89	20	
p,m-Xylene	9.60	0.0500	10.0	ND	96.0	63-131	3.94	20	
Total Xylenes	14.3	0.0250	15.0	ND	95.3	63-131	3.92	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.05*		*8.00*		*88.1*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Tomb Raider 12-1 CTB 1	**Reported:**
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	7/1/2024 12:53:50PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2426037-BLK1)									Prepared: 06/26/24 Analyzed: 06/28/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.61*		*8.00*		*95.2*	*70-130*			
LCS (2426037-BS2)									Prepared: 06/26/24 Analyzed: 06/28/24
Gasoline Range Organics (C6-C10)	52.5	20.0	50.0		105	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.65*		*8.00*		*95.6*	*70-130*			
Matrix Spike (2426037-MS2)				**Source: E406237-08**					Prepared: 06/26/24 Analyzed: 06/28/24
Gasoline Range Organics (C6-C10)	50.7	20.0	50.0	ND	101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.83*		*8.00*		*97.9*	*70-130*			
Matrix Spike Dup (2426037-MSD2)				**Source: E406237-08**					Prepared: 06/26/24 Analyzed: 06/28/24
Gasoline Range Organics (C6-C10)	51.2	20.0	50.0	ND	102	70-130	0.898	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.75*		*8.00*		*96.9*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Tomb Raider 12-1 CTB 1	**Reported:**
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	7/1/2024 12:53:50PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2426040-BLK1)									Prepared: 06/26/24 Analyzed: 06/26/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*49.3*		*50.0*		*98.5*	*50-200*			
LCS (2426040-BS1)									Prepared: 06/26/24 Analyzed: 06/26/24
Diesel Range Organics (C10-C28)	289	25.0	250		115	38-132			
Surrogate: n-Nonane	*52.1*		*50.0*		*104*	*50-200*			
Matrix Spike (2426040-MS1)				**Source: E406237-08**					Prepared: 06/26/24 Analyzed: 06/26/24
Diesel Range Organics (C10-C28)	299	25.0	250	ND	119	38-132			
Surrogate: n-Nonane	*49.9*		*50.0*		*99.7*	*50-200*			
Matrix Spike Dup (2426040-MSD1)				**Source: E406237-08**					Prepared: 06/26/24 Analyzed: 06/26/24
Diesel Range Organics (C10-C28)	310	25.0	250	ND	124	38-132	3.85	20	
Surrogate: n-Nonane	*54.0*		*50.0*		*108*	*50-200*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Tomb Raider 12-1 CTB 1	**Reported:**
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	7/1/2024 12:53:50PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2426041-BLK1)									Prepared: 06/26/24 Analyzed: 06/26/24
Chloride	ND	20.0							
LCS (2426041-BS1)									Prepared: 06/26/24 Analyzed: 06/26/24
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2426041-MS1)				**Source: E406237-07**					Prepared: 06/26/24 Analyzed: 06/26/24
Chloride	277	20.0	250	26.5	100	80-120			
Matrix Spike Dup (2426041-MSD1)				**Source: E406237-07**					Prepared: 06/26/24 Analyzed: 06/26/24
Chloride	282	20.0	250	26.5	102	80-120	1.62	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Tomb Raider 12-1 CTB 1	
PO Box 247	Project Number:	21064-0001	**Reported:**
Plains TX, 79355-0247	Project Manager:	Gio Gomez	07/01/24 12:53

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Project Information | Chain of Custody | Page _1_ of __2__

Client: Pima Environmental Services	Bill To	Lab Use Only
Project: Tomb Raider 12-1 CTB 1	Attention: PIMA	Lab WO# E406237 / Job Number 21064-0001
Project Manager: Gio Gomez	Address:	TAT: 1D / 2D / 3D / Standard: X
Address: 5614 N. Lovington Hwy.	City, State, Zip	EPA Program: CWA / SDWA / RCRA
City, State, Zip Hobbs, NM, 88240	Phone:	State: NM X / CO / UT / AZ / TX
Phone: 806-782-1151	Email:	
Email: gio@pimaoil.com	Pima Project # 1-359	
Report due by:		

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM	BGDOC TX			Remarks
10:06	6/24	S	1	SW1 0-4' Comp	1									X				
10:12			2	SW2 0-4' Comp	2													
10:21			3	SW3 0-4' Comp	3													
10:29			4	SW4 0-4' Comp	4													
10:33			5	SW5 0-4' Comp	5													
10:37			6	SW6 0-4' Comp	6													
10:42			7	SW7 0-4' Comp	7													
10:44			8	SW8 0-4' Comp	8													
10:53			9	SW9 0-4' Comp	9													
10:59			10	SW10 0-4' Comp	10													

Additional Instructions: nAPP2217833526 -- Bill to Pima Environmental

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Karine Adame	6.25.24	1305		6.25.24	1305
	6.25.24	1530		6.25.24	1700
	6.25.24	2315		6-26-24	0600

Lab Use Only — Received on ice: Y / N — T1 ____ T2 ____ T3 ____ — AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other ____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Project Information | Chain of Custody | Page _2_ of __2__

Client: Pima Environmental Services	Bill To	Lab Use Only
Project: Tomb Raider 12-1 CTB 1	Attention: PIMA	Lab WO# E406237 / Job Number 21064-0001
Project Manager: Gio Gomez	Address:	TAT: 1D / 2D / 3D / Standard X
Address: 5614 N. Lovington Hwy.	City, State, Zip	EPA Program: CWA / SDWA / RCRA
City, State, Zip Hobbs, NM, 88240	Phone:	State: NM X / CO / UT / AZ / TX
Phone: 806-782-1151	Email:	
Email: gio@pimaoil.com	Pima Project # 1-359	
Report due by:		

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM	BGDOC TX			Remarks
11:16	6/24	S	11	SW11 0-4' Comp	11									X				
11:21	"	"	12	SW12 0-4' Comp	12													
11:28	"	"	13	SW13 0-4' Comp	13													
11:33	"	"	14	SW14 0-4' Comp														

Additional Instructions: nAPP2217833526 -- Bill to Pima Environmental

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Karine Adame	6.25.24	1305		6.25.24	1305
	6.25.24	1530		6.25.24	1700
	6.25.24	2315	Hayley L Hall	6-26-24	0600

Lab Use Only — Received on ice: Y / N; T1 ____ T2 ____ T3 ____; AVG Temp °C ____

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other ____

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Envirotech Analytical Laboratory

Printed: 6/27/2024 2:48:16PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Pima Environmental Services-Carlsbad	Date Received:	06/26/24 06:00	Work Order ID:	E406237
Phone:	(575) 631-6977	Date Logged In:	06/26/24 05:49	Logged In By:	Keyliegh Hall
Email:	gio@pimaoil.com	Due Date:	07/02/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	Yes	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Comments/Resolution

Number of containers is listed incorrectly on COC by client.

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Project Information | Chain of Custody | Page _1_ of __2__

Client: Pima Environmental Services	Bill To	Lab Use Only
Project: Tomb Raider 12-1 CTB 1	Attention: PIMA	Lab WO# E4016237
Project Manager: Gio Gomez	Address:	Job Number 26064-0001
Address: 5614 N. Lovington Hwy.	City, State, Zip	
City, State, Zip Hobbs, NM, 88240	Phone:	
Phone: 806-782-1151	Email:	
Email: gio@pimaoil.com	Pima Project # 1-359	
Report due by:		

TAT				EPA Program	
1D	2D	3D	Standard	CWA	SDWA
			X		
					RCRA

State: NM X | CO | UT | AZ | TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM	BGDOC TX			Remarks
10:06	6/24	S	1	SW1 0-4' Comp	1									X				Number of containers incorrectly listed by client. 6/27/24 RAS
10:12	"	"	~~2~~ 1	SW2 0-4' Comp	2													
10:21	"	"	~~3~~ 1	SW3 0-4' Comp	3													
10:29	"	"	~~4~~ 1	SW4 0-4' Comp	4													
10:33	"	"	~~5~~ 1	SW5 0-4' Comp	5													
10:37	"	"	~~6~~ 1	SW6 0-4' Comp	6													
10:42	"	"	~~7~~ 1	SW7 0-4' Comp	7													
10:49	"	"	~~8~~ 1	SW8 0-4' Comp	8													
10:53	"	"	9 1	SW9 0-4' Comp	9													
10:59	"	"	~~10~~ 1	SW10 0-4' Comp	10													

Additional Instructions: nAPP2217833526 -- Bill to Pima Environmental

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Karina Adame	6.25.24	1305		6.25.24	1305
	6.25.24	1530		6.25.24	1700
	6.25.24	2315		6-26-24	0600

Lab Use Only
Received on ice: Y / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Project Information | Chain of Custody | Page _2_ of __2__

Client: Pima Environmental Services	Bill To	Lab Use Only
Project: Tomb Raider 12-1 CTB 1	Attention: PIMA	Lab WO# E401e237 / Job Number 21064-0001
Project Manager: Gio Gomez	Address:	
Address: 5614 N. Lovington Hwy.	City, State, Zip	
City, State, Zip Hobbs, NM, 88240	Phone:	
Phone: 806-782-1151	Email:	
Email: gio@pimaoil.com	Pima Project # 1-359	
Report due by:		

TAT: 1D | 2D | 3D | Standard: X

EPA Program: CWA | SDWA | RCRA

State: NM X | CO | UT | AZ | TX

Analysis and Method: DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC NM | BGDOC TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	BGDOC NM	Remarks
11:16	6/24	S	~~11~~ 1	SW11 0-4' Comp	11	X	number of containers incorrectly listed by client. 6/27/24 RAB
11:21	"	"	~~12~~ 1	SW12 0-4' Comp	12	"	
11:28	"	"	~~13~~ 1	SW13 0-4' Comp	13	"	
11:33	"	"	~~14~~ 1	SW14 0-4' Comp		"	

Additional Instructions: nAPP2217833526 -- Bill to Pima Environmental

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Karine Adame	6.25.24	1305		6.25.24	1305
	6.25.24	1530		6.25.24	1700
	6.25.24	2315		6-26-24	0600

Lab Use Only — Received on ice: Y / N — T1 ____ T2 ____ T3 ____ — AVG Temp °C ____

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other ____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Appendix F

- Previously Submitted Closure and Deferral Request

McNabb Partners

DATE: May 2, 2023

New Mexico Oil Conservation Division, District 2
811 South First Street
Artesia, New Mexico 88210

Re: **Closure and Deferral Request**
Name of Site Devon Energy Tomb Raider 12-1 CTB 1
Incident ID #: nAPP2217833526

McNabb Partners (McNabb), on behalf of Devon Energy (Devon), hereby submits the following Closure and Deferral Request in response to a release at the location named above and further described below.

Site Information	
Incident ID #	nAPP2217833526
Site Name	Tomb Raider 12 CTB 1
Company	Devon Energy
County	Eddy
ULSTR	UL B, Sect 13, TWP 23, R31E
Coordinates	Lat. 32.3092228 N, Long. -103.7274908
Landowner	Federal

BACKGROUND AND RELEASE CHARACTERIZATION

On June 25, 2022, Devon reported an approximate 12.5 bbl. produced water release within a lined battery containment at the Tomb Raider 12-1 CTB 1. The release was caused when internal corrosion caused a pinhole leak in an 8-inch wheel valve on the suction side. The valve was replaced after the leak was stopped. A liner inspection was attempted on Thursday, July 7, 2022. The liner was covered with a salt encrustation and could not be inspected. A crew was on site and had started to remove the salt at the time of the attempted inspection. The Crew leader noted the cleanup of salt at the battery would be finished on July 13, 2022.

At the client's direction, the inspection was moved to the afternoon of July 13, 2022. The McNabb Environmentalist returned in the afternoon of July 13, 2022 and performed the liner inspection. The inspector walked the exterior and interior of the containment looking for liner

defects. At the time of the release, the liner was intact and in good condition. There are no signs of deterioration of the liner. Unfortunately, two small holes were found in the liner. The holes appear to have been mechanically induced due to the freshness and shape of the cuts. The inspection was photo documented and Attachment 3 Inspection Report - along with documentation photos Attachment 4 are provided in the Appendices.

The required 48-hour notice of liner inspection was delivered by email to the New Mexico Oil Conservation Division (NMOCD) Staff on the morning of July 5, 2022.

Release Information	
Date of Release	June 25, 2022
Nature of the Release	Reported as produced water
Source of the Release	Corrosion caused a pin hole leak in a valve
Volume Released – Produced water	Approximately 12.5 bbls
Volume Recovered – Produced water	Approximately 12.5 bbls
Affected Area – Impacted Soil	Soil beneath the containment liner appears to be minimally affected. No soil on the pad outside the containment or in the pasture was affected
Site Location Map	Figure 1.

SITE INFORMATION AND CLOSURE CRITERIA

Depth to Groundwater/Wellhead Protection:

Data Source	Well Designation	Data Date	Depth (Ft)
NMOSE	C-03749	8/30/2014	639
NMOSE	C-4707	4/11/2023	55

Online searches of the groundwater well databases maintained by the New Mexico Office of State Engineer (NMOSE) and the United States Geological Survey (USGS) were conducted to determine if any registered groundwater wells are located within ½ mile of the release site. The searches revealed that no wells were found in the databases that meets the New Mexico Oil Conservation Division (NMOCD) criteria for age of the data, distance of the data point well from the release point and a data point well having a diagram of construction. A distant well did show up in the database (C-03749) drilled by Stewart Brothers Drilling for the U S Department of Energy in 2014. The well is listed as a monitoring well completed August 30, 2014 with a static water level of 639 feet below ground surface (bgs). The well is approximately 9,300 feet from the release location. Devon opted to drill a 55-foot-deep soil boring (Pod C-4704) on their production pad location to prove that groundwater is deeper than 51 feet at the Tomb Raider 12, CTB 1 location. Devon wanted a POD number for the boring so the soil boring data point could potentially be used for other Devon production wells and batteries within a one-half mile radius of the soil boring location. Executed NMOSE Form WR-07 and WD-08 plus supporting documents are included as Attachment 9.

Depth to Groundwater/Wellhead Protection:

Site Characterization	Distance to Nearest Watercourse
Low Karst	> 1000 feet

A Liner Inspection was performed in accordance with the New Mexico Administrative Code Title 19 – Chapter 15 Part 29.11.5, i and ii. for this release incidental to oil and gas development and production in New Mexico (effective August 14, 2018). To summarize the Site Assessment/Characterization Evaluation, the release of produced water was completely within the fully lined containment of a tank battery. The liner was found to be fully intact with the exception of two small mechanically induced holes. These holes were photo documented and are shown in Attachment 4, page 11.

Vertical delineation was attempted through the holes in the liner. Hole 1 was sampled 0-6", 6"-12" and at 2 ft. Hole 2 was sampled 0-6", 6"- 12", 2 ft. and 3 ft. Horizontal delineation was not attempted because it would require cutting the liner in multiple places. All samples collected were field screened with a chloride test kit. The samples were jarred, labeled, and submitted to Cardinal Laboratories of Hobbs, New Mexico, (a State of New Mexico certified laboratory) via a chain-of-custody. The sample analysis suite consisted of total petroleum hydrocarbons (TPH), benzene, toluene, ethylbenzene, and xylenes (BTEX), and chloride. Constituents in the soil were tested using Environmental Protection Agency (EPA) Methods SW846-8015MOD, SW846-8021B and SM4500Cl-B, respectively. Laboratory analytical results for all samples indicated that BTEX, TPH and chloride were well below the "Recommended Remediation Action Levels" (RRALs) as provided in NMAC 19.15.29.12.E.(2) Table 1 for a site where the depth to groundwater exceeds 51 feet bgs.

A summary table of the results of laboratory analysis are found in Table 1. The laboratory data summary is provided as Attachment 6 – Table 1 "Concentrations of Benzene, BTEX, TPH & Choride in Soil" and Attachment 8 – Laboratory Analytical Report. Results of laboratory analyses demonstrate vertical delineation was achieved. Results of field testing are found in Table 2- Attachment 7.

The battery is located in a low karst area, there is no continually flowing watercourse, no lake bed, sinkhole or playa, no fresh water well or spring and no wetlands noted within the regulatorily promulgated distances in the vicinity of the battery. Google Earth® was consulted to see if there are potential receptors nearby the battery facility. No nearby receptors, entities or boundaries (residence, schools, hospitals, institutions, churches, mining, municipal or other ordinance boundaries) appear to be present within the regulatorily promulgated distances surrounding the release site.

Regulatory Framework:

Regulatory– Recommended Remedial Action Levels (RRALs)	
BENZENE	10 mg/kg
BTEX	50 mg/kg
GRO + DRO	1,000 mg/kg
TPH (GRO+DRO+MRO)	2,500 mg/kg
CHLORIDE	10,000 mg/kg

No groundwater well data was found within ½ mile of the release area in NMOSE and USGS databases. Devon drilled a soil boring Pod C-4707 to ~55 feet bgs on the production pad and no groundwater was found to be present. The NMAC 10.15.29.12 Table 1 RRALs for depth to groundwater between 51 feet bgs and 100 feet bgs were applied to this release.

DELINEATION AND REMEDIATION ACTIONS

Initial Sampling Activities:

Delineation Summary	
Delineation Dates	July 15, 2022
Sample Locations	Hole 1 and Hole 2
Total Initial Samples	7
Depths Sampled	2-3 feet
Delineation Map	Provided as Figure 5
Laboratory Results	Summarized in Table 1, included as Attachment 6. Lab Report in Attachment 8
Field Results	Table 2 – Attachment 7

Remediation Activities:

Remediation Summary	
Remediation Dates	Deferral Requested
Confirmation Sample Notification	Deferral Requested
Liner Variance Request	Containment Liner already In-Situ
Deferral Request	Included in this report below
Depth(s) Excavated	Deferral Requested
Area Represented by Required five-point Confirmation Samples – Floors and Walls	Deferral Requested
Total Volume of Soil Excavated	Deferral Requested
Remediation Map	Deferral Requested
Laboratory Results	Provided in Table 1 (Attachment 6) and the Laboratory Report - Attachment 8

The released fluids were captured by the containment liner. No fluids were observed to have been released outside of the containment. Two mechanically induced holes were found in the

liner. The cuts in the liner appear to be very recent in origin. The timing as to when these holes were cut into the liner is uncertain but the holes definitely were not due to the deterioration of the liner. Vertical delineation samples were taken through holes in the liner.

The collection of horizontal delineation samples could not be performed without cutting the liner thus no horizontal delineation samples were taken in order to preserve the integrity of the liner.

SITE RECLAMATION AND RESTORATION

The released fluids were contained. No fluids were observed to have been released onto the pad or in the pasture.

Deferral Request

There is a small area of contamination beneath each of the holes cut into the liner. The soils at the two holes have been sampled and then field and laboratory tested. McNabb Partners recommends that the removal of these small quantities of contamination beneath the containment liner be deferred until the battery is deconstructed at the end of its useful life. The volumes of impacted soil appear to be small, the implied depth to groundwater is deep (although not defined by a nearby well meeting NMOCD criteria), and the likelihood of vertical or horizontal migration of these contaminants beneath the containment liner is minimal. A soil boring to ~51 feet bgs was executed at the Tomb Raider 12 CTB 1 production pad to demonstrate that the depth to groundwater exceeds 51 feet bgs.

REQUEST FOR CLOSURE

Supporting Documentation	
Initial C-141 with Spill Calculations	Signed and attached
C-141, page 6	Signed and attached
US National Wetlands Inventory Map	Figure 2
FEMA Flood Hazard Map	Figure 3
Karst Potential Map	Figure 4
Location Map for the Vertical Delineation Samples	Figure 5
Depth to Groundwater Maps and Sources	Attachment 1
USDA Soil Survey	Attachment 2
Liner Inspection Form	Attachment 3
Site Photography	Attachment 4
48 Hour Inspection Notice to NMOCD	Attachment 5
Table 1 Concentrations of Benzene, BTEX, TPH and Chloride in Soil	Attachment 6
Table 2 Field Test Results	Attachment 6
Laboratory Analytical Report with Chain of Custody	Attachment 8
NMOSE Drilling Permit, Drill Log, Plugging Plan and Supporting Documentation	Attachment 9

This site was protected by a safeguard (the synthetic reinforced liner) installed at the time of battery construction and is less than 6 years old based on Google Earth photography of the location (there is no battery at the location on 11/02/2017 per available Google Earth imagery). Upon inspection, the liner was found to be in good condition without visible signs of deterioration. There was no release of fluids to the ground outside of the containment. McNabb recommends that a deferral be granted for the small volume of impacted soil occurring beneath the two mechanically cut holes found in the liner. Therefore, on behalf of Devon, McNabb respectfully requests that the NMOCD grant closure approval for Incident # nAPP221733526.

Sincerely,

John P. Farrell P.G.

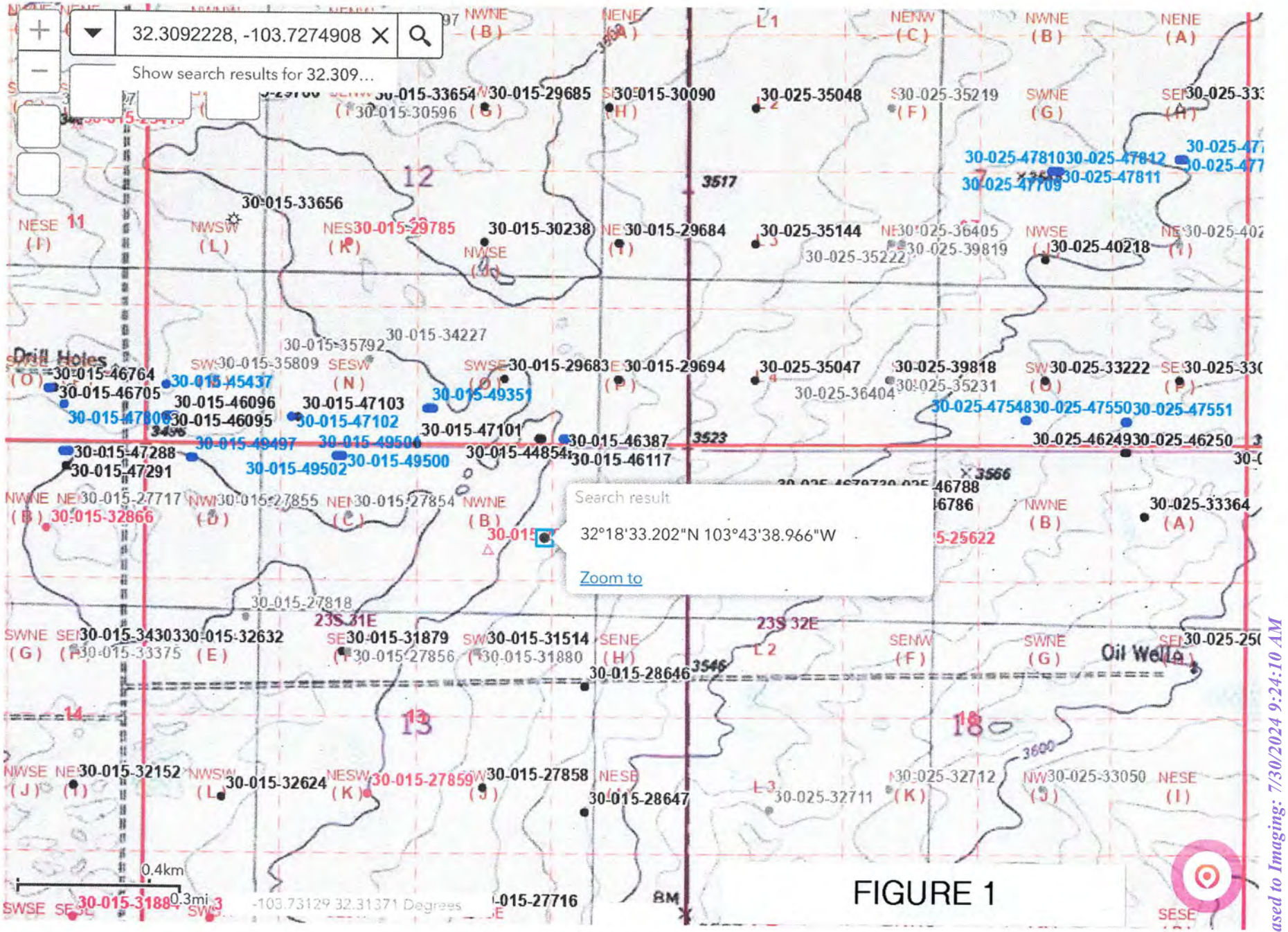
APPENDICES

- Figures
- Attachments

NM OCD OIL AND GAS MAP

New Mexico Oil Conservation Division

NM OCD Oil and Gas Map User Guide



U.S. Fish and Wildlife Service

National Wetlands Inventory

Devon Tomb Raider 12 CTB 1

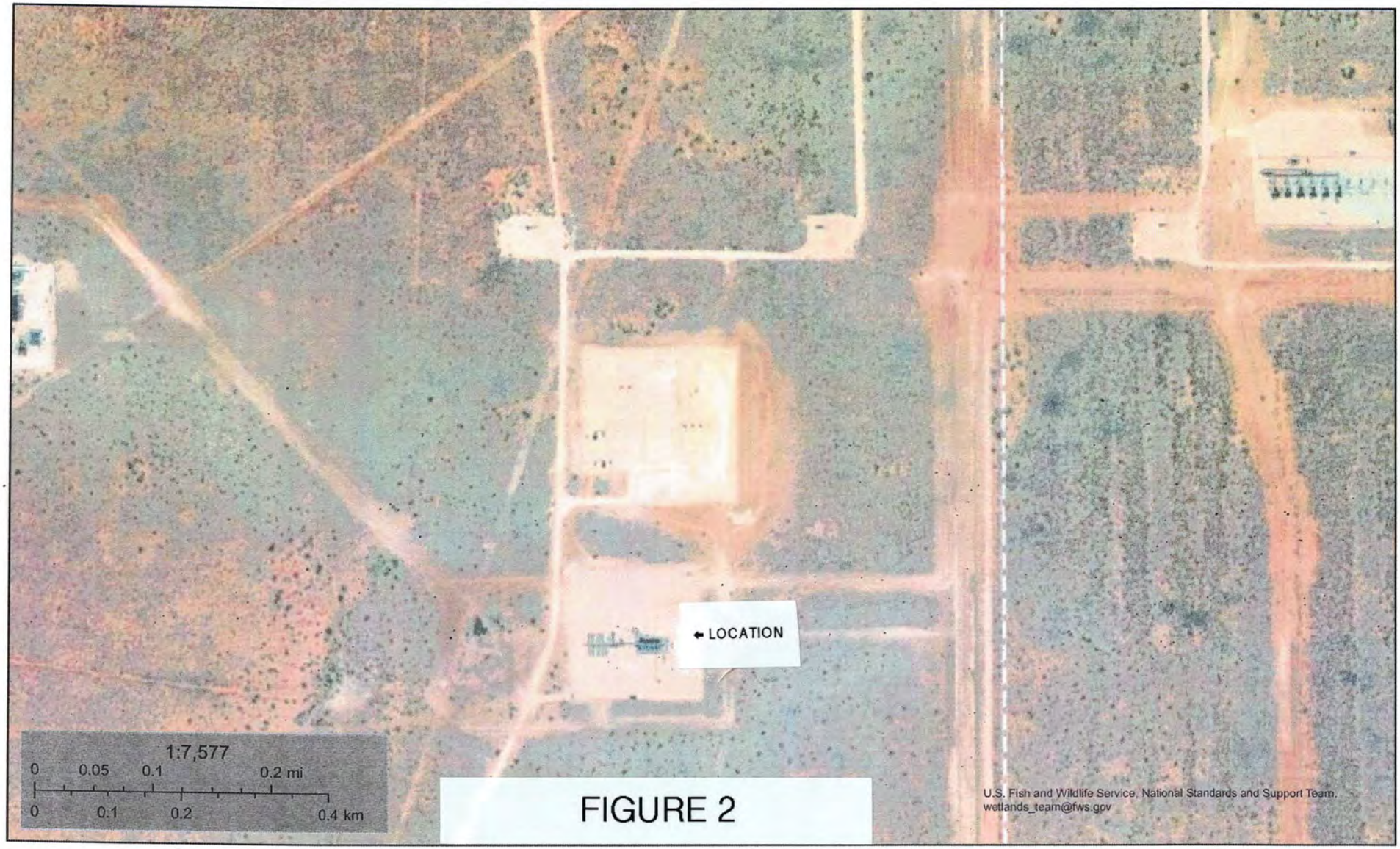


FIGURE 2

July 12, 2022

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 Wetlands Inventory (NWI)
This page was produced by the NWI mapper

National Flood Hazard Layer FIRMette

FEMA

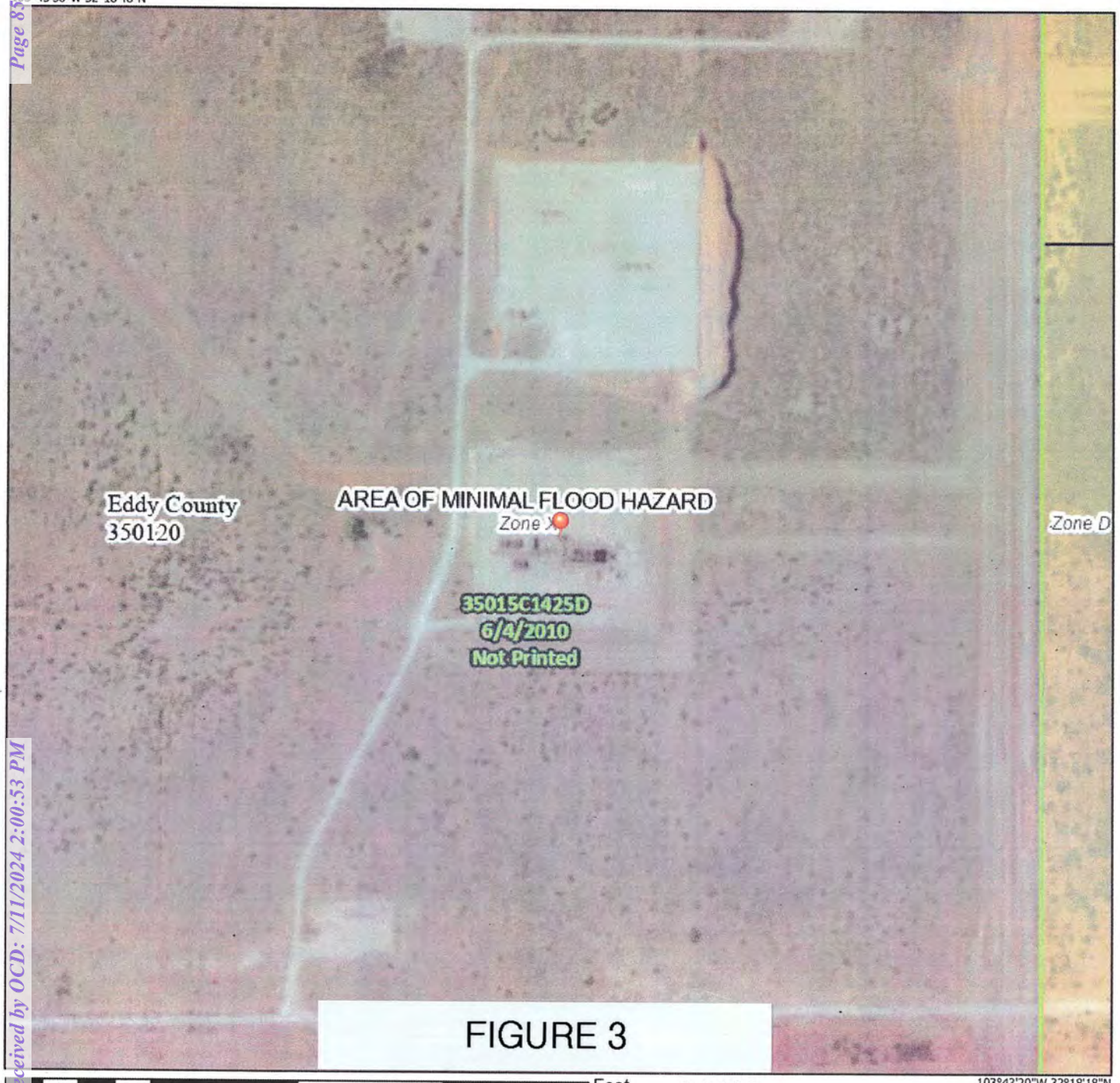


FIGURE 3

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
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- 513 Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

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 7/1/2022 at 12:47 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.

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

Karst Potential Map

Karst Potential Map for the Devon Energy Tomb Rainer 12 CTB 1

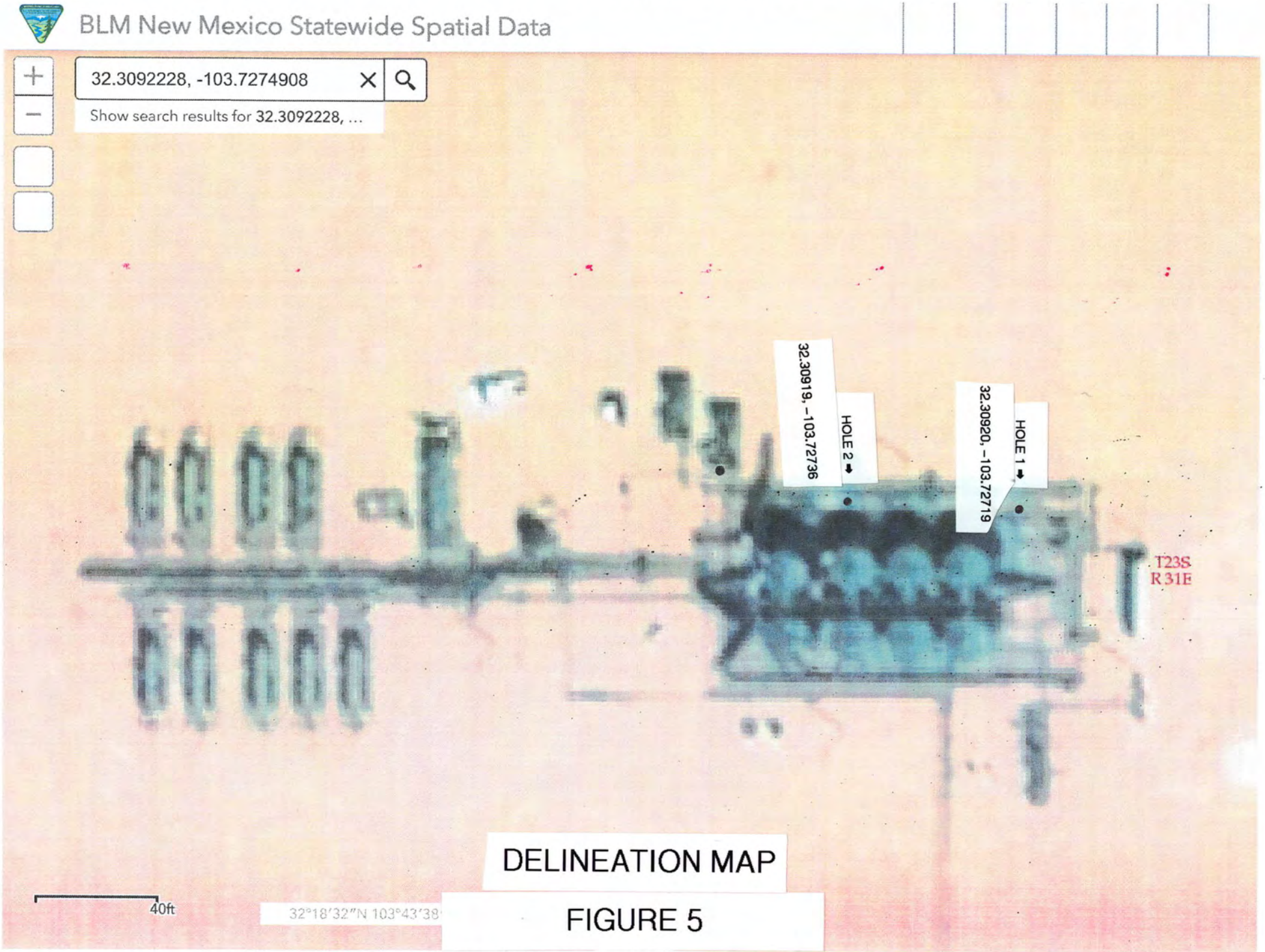
Legend

32.3092228, -103.7274908

Low Karst Area

32.3092228, -103.7274908

FIGURE 4



New Mexico Office of the State Engineer
Water Column/Average Depth to Water

No records found.

Basin/County Search:

County: Eddy

UTMNAD83 Radius Search (in meters):

Easting (X): 619794 **Northing (Y):** 3575423 **Radius:** 810

ATTACHMENT 1

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

No records found.

Basin/County Search:

County: Eddy

UTMNAD83 Radius Search (in meters):

Easting (X): 619794 **Northing (Y):** 3575423 **Radius:** 1620

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

No records found.

Basin/County Search:

County: Eddy

UTMNAD83 Radius Search (in meters):

Easting (X): 619794 **Northing (Y):** 3575423 **Radius:** 2430

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	POD Sub-basin Code	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 02777	CUB	ED	4	4	4	10	23S	31E	616974	3575662	2830	890		
C 03749 POD1	CUB	ED		2	2	15	23S	31E	616974	3575662	2830	865	639	226
C 02258	C	ED		3	2	26	23S	31E	618055	3571853*	3971	662		

Average Depth to Water: **639 feet**

Minimum Depth: **639 feet**

Maximum Depth: **639 feet**

Record Count: 3

Basin/County Search:

County: Eddy

UTMNAD83 Radius Search (in meters):

Easting (X): 619794 **Northing (Y):** 3575423 **Radius:** 4240

***UTM location was derived from PLSS - see Help**

New Mexico Office of the State Engineer
Water Right Summary

get image list

WR File Number: C 03749 **Subbasin:** CUB **Cross Reference:** -

Primary Purpose: MON MONITORING WELL

Primary Status: PMT PERMIT

Total Acres: **Subfile:** - **Header:** -

Total Diversion: 0 **Cause/Case:** -

Owner: US DEPARTMENT OF ENERGY

Contact: GEORGE BASABILVAZO

Documents on File

	Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/ To	Acres	Diversion	Consumptive
get images	548076	EXPL	2014-06-24	PMT	LOG	C 03749 POD1	T	0	0	

Current Points of Diversion

(NAD83 UTM in meters)

POD Number	Well Tag	Source	Q 64	Q16	Q4	Sec	Tws	Rng	X	Y	Other Location Desc
C 03749 POD1		Shallow	2	2		15	23S	31E	616974	3575662	H-12

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NUMBER (WELL NUMBER): C-3749 POD 1 (H12R)	OSE FILE NUMBER(S): C-3749 POD 1
WELL OWNER NAME(S): US Dept of Energy	PHONE (OPTIONAL): 575-234-7488
WELL OWNER MAILING ADDRESS: POB 3090	CITY: Carlsbad STATE: NM ZIP: 88221-3090

WELL LOCATION (FROM GPS)	DEGREES	MINUTES	SECONDS	
LATITUDE	32	18	42.0588	N
LONGITUDE	-103	45	26.7078	W

* 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

From Jal Hwy take Redd Rd 3 miles north, head west 1 mile on dirt road to H12 Well site

2. DRILLING & CASING INFORMATION

LICENSE NUMBER	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
NM 331	Randy Stewart	Stewart Brothers

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
7/10/14	8/6/14	865	865	

COMPLETED WELL IS: ○ ARTESIAN ○ DRY HOLE ◉ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): 639

DRILLING FLUID: ○ AIR ○ MUD ADDITIVES - SPECIFY:

DRILLING METHOD: ◉ ROTARY ○ HAMMER ○ CABLE TOOL ○ OTHER - SPECIFY:

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0	40	17 1/2	13 3/8	Weld	12 1/4	.375	
40	820	12 1/4	5" Fiberglass Blank	Threaded	4.5		
820	846	12 1/4	5" Fiberglass Slotted	Threaded	4.5		.070
846	858	12 1/4	5" Fiberglass Blank	Threaded	4.5		

STATE ENGINEER OFFICE

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
857	865	12 1/4	8/12 Sand	2	Tremie
851	857	12 1/4	Gelacryl Superflex Seal	1	Tremie
816	851	12 1/4	8/16 Sand Pack	6	Tremie
811	816	12 1/4	Fine Sand	1	Tremie
806	811	12 1/4	Gelacryl Super Flex	1	Tremie

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/08/2012)

FILE NUMBER C-3749	POD NUMBER 1	TRN NUMBER 548076
LOCATION 4-4-3	23S.32E.07	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	TO	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)
1	12	11	Dune sand and pad material	○ Y ◉ N	
12	16	4	Mescalero Caliche	○ Y ◉ N	
16	20	4	Gatuna (Sandstone)	○ Y ◉ N	
20	70	50	Santa Rosa (Sandstone)	○ Y ◉ N	
70	620	550	Dewy Lake Sandstone	○ Y ◉ N	
620	648	28	Anhydrite	○ Y ◉ N	
648	663	15	Mudstone	○ Y ◉ N	
663	678	15	Anhydrite	○ Y ◉ N	
678	702	4	Magenta Dolomite	○ Y ○ N	
702	756	54	Anhydrite	○ Y ○ N	
756	772	16	Halite	○ Y ○ N	
772	820	48	Anhydrite	○ Y ○ N	
820	846	26	Culebra Dolomite	◉ Y ○ N	
846	856	10	Mudstone	○ Y ◉ N	
856	865	9	Anhydrite	○ Y ◉ N	
				○ Y ○ N	
				○ Y ○ N	
				○ Y ○ N	
				○ Y ○ N	
				○ Y ○ N	
				○ Y ○ N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: ○ PUMP ◉ AIR LIFT ○ BAILER ○ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): 5

5. TEST; RIG SUPERVISION

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:

Monitor Well

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

Don Ward

STATE ENGINEER OFFICE

6. SIGNATURE

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 20 DAYS AFTER COMPLETION OF WELL DRILLING:

Randy Stewart — Randy Stewart — 8/30/14

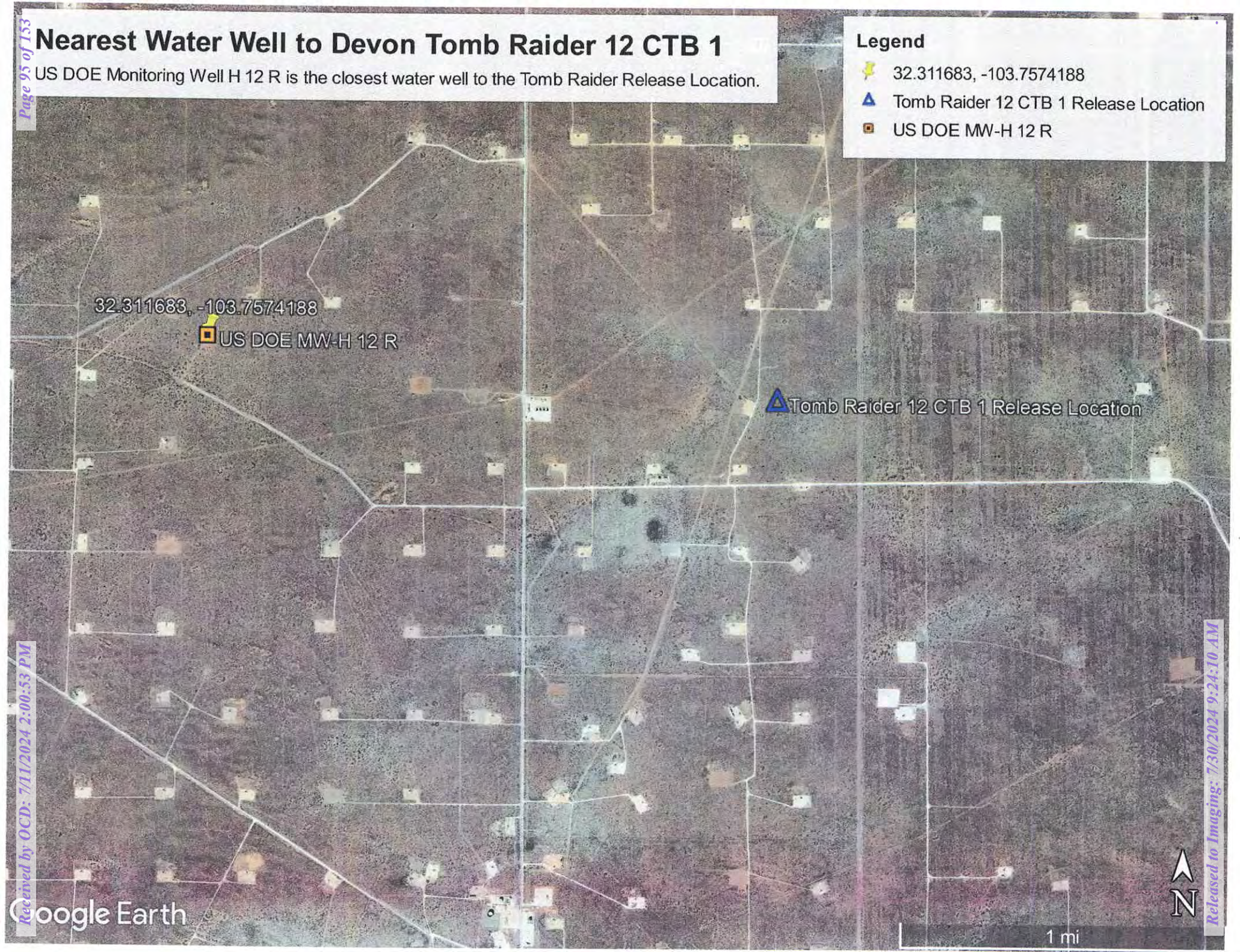
SIGNATURE OF DRILLER / PRINT SIGNEE NAME — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 06/08/2012)

FILE NUMBER	C-3749	POD NUMBER		TRN NUMBER	548076
LOCATION	4-4-3	23S.32E.07			PAGE 2 OF 2

Nearest Water Well to Devon Tomb Raider 12 CTB 1

US DOE Monitoring Well H 12 R is the closest water well to the Tomb Raider Release Location.



USGS science for a changing world

National Water Information System: Web Interface

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.
- Full News

We're replacing this page with a Next Generation Monitoring Location Page.
We're modernizing Water Data for the Nation delivery. Find out what this means for you.
This page will be discontinued Jan.1, 2023.

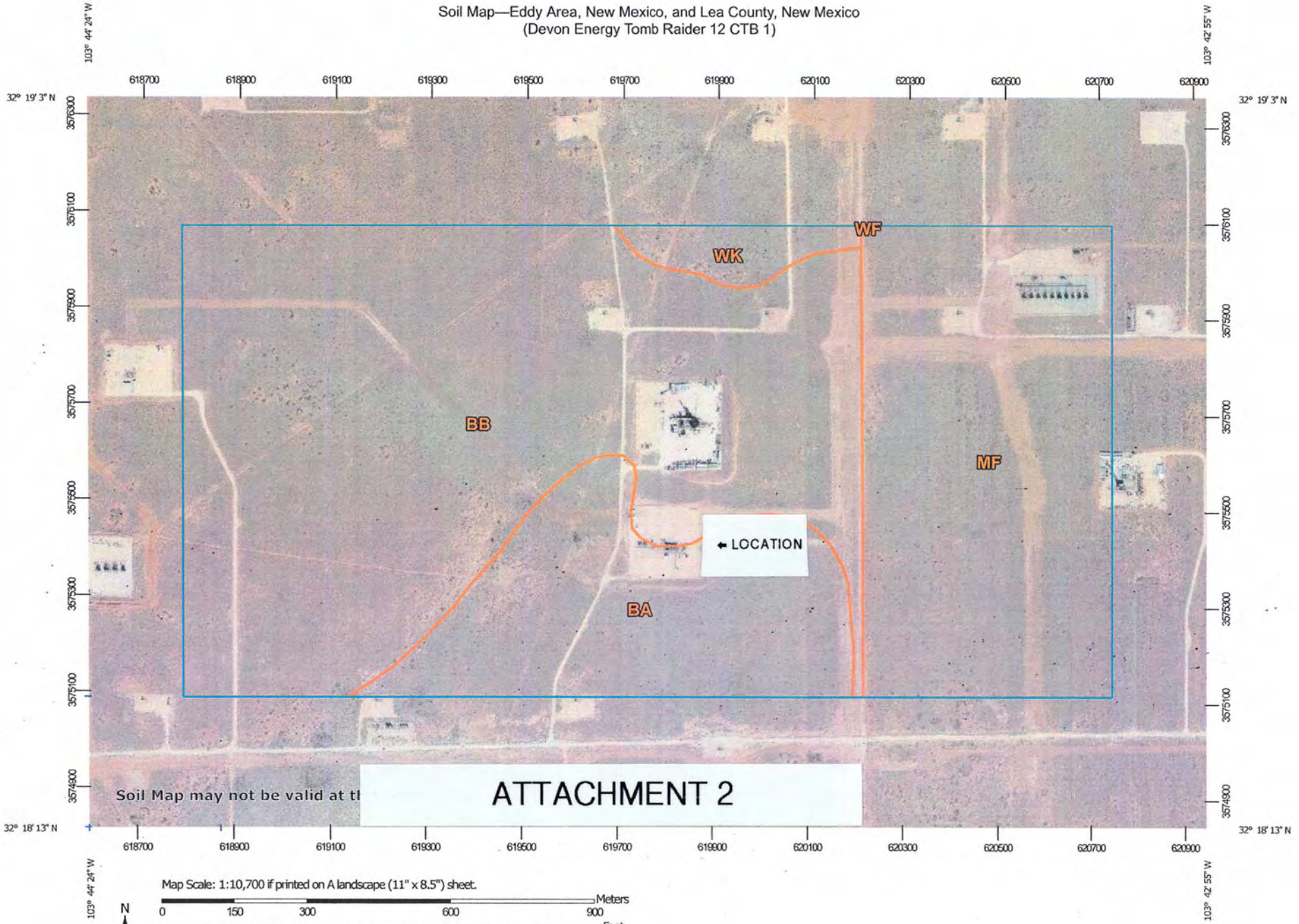
Search Results -- No sites were found that meet the following criteria...

Parameter codes = 30210
Site type = Well
State/Territory = New Mexico
lat_long_bounding_box =

Position	Latitude	Longitude
Corner 1	32.338954	-103.762163
Corner 2	32.280156	-103.693176
Coordinates are entered as Decimal Degrees. DMS values are converted to Decimal degrees using NAD83 as the datum. Make your bounding box bigger if you are using NAD27 Datum for your DMS values		

Return To Previous Page

Soil Map—Eddy Area, New Mexico, and Lea County, New Mexico
(Devon Energy Tomb Raider 12 CTB 1)



MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 17, Sep 12, 2021

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 18, Sep 10, 2021

Your area of interest (AOI) includes more than one soil survey area. These survey areas may have been mapped at different scales, with a different land use in mind, at different times, or at different levels of detail. This may result in map unit symbols, soil properties, and interpretations that do not completely agree across soil survey area boundaries.

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020

MAP LEGEND

MAP INFORMATION

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BA	Berino loamy fine sand, 0 to 3 percent slopes	79.9	16.8%
BB	Berino complex, 0 to 3 percent slopes, eroded	255.4	53.8%
WK	Wink loamy fine sand, 0 to 3 percent slopes, eroded	10.7	2.3%
Subtotals for Soil Survey Area		**346.0**	**72.9%**
Totals for Area of Interest		**474.8**	**100.0%**

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
MF	Maljamar and Palomas fine sands, 0 to 3 percent slopes	128.7	27.1%
WF	Wink fine sand	0.1	0.0%
Subtotals for Soil Survey Area		**128.8**	**27.1%**
Totals for Area of Interest		**474.8**	**100.0%**

Date: July 15, 2022 Time: 13:45

To Whom it May Concern:

Devon Energy contracted with McNabb Partners regarding a release within a lined containment at location: Tomb Raider 12 CTB 1, NMOCD Incident Number nAPP2217833526 and at coordinates: Lat. 32.3092228 and Long. -103.7274908 for a liner inspection.

A vacuum truck was deployed to recover the fluids and dispose of them properly.

The NMOCD the required 48-hours-notice of liner inspection was given to the District Office as required on July 5, 2022.

The inspector first visited the site on the afternoon of July 7, 2022. During the initial walk around, the inspector observed a ¼ to ½ inch crust of salt on top of the liner. No liner inspection could be performed. The inspector noted a crew of two men were beginning to remove the salt covering the liner.

Salt crust removal took place at the location between July 7 and July 14, 2022. The inspector observed that one of the salt removal personnel was using a square end shovel on July 7, 2022. Two mechanically induced holes were found in the liner on the north side of the containment. The holes appeared to be freshly cut in the opinion of the inspector. The inspector believes that the holes were cut with a shovel during removal of the salt crust observed covering the liner. No other holes were found.

The liner was systematically inspected on July 14, 2022. Time/date/coordinate stamped photos showing the condition of the liner were taken to demonstrate liner integrity. No defects **related to liner deterioration** were found. The liner is in very good condition.

The timing of the mechanically induced cuts is uncertain. Therefore, samples of the soil beneath the liner were collected through the holes. Results of field and laboratory testing are provided in the Remedial Action/Closure Request for this location.

This Closure Request will be sent to NMOCD with copy to: jamos@blm.gov at the US BLM to complete this action.

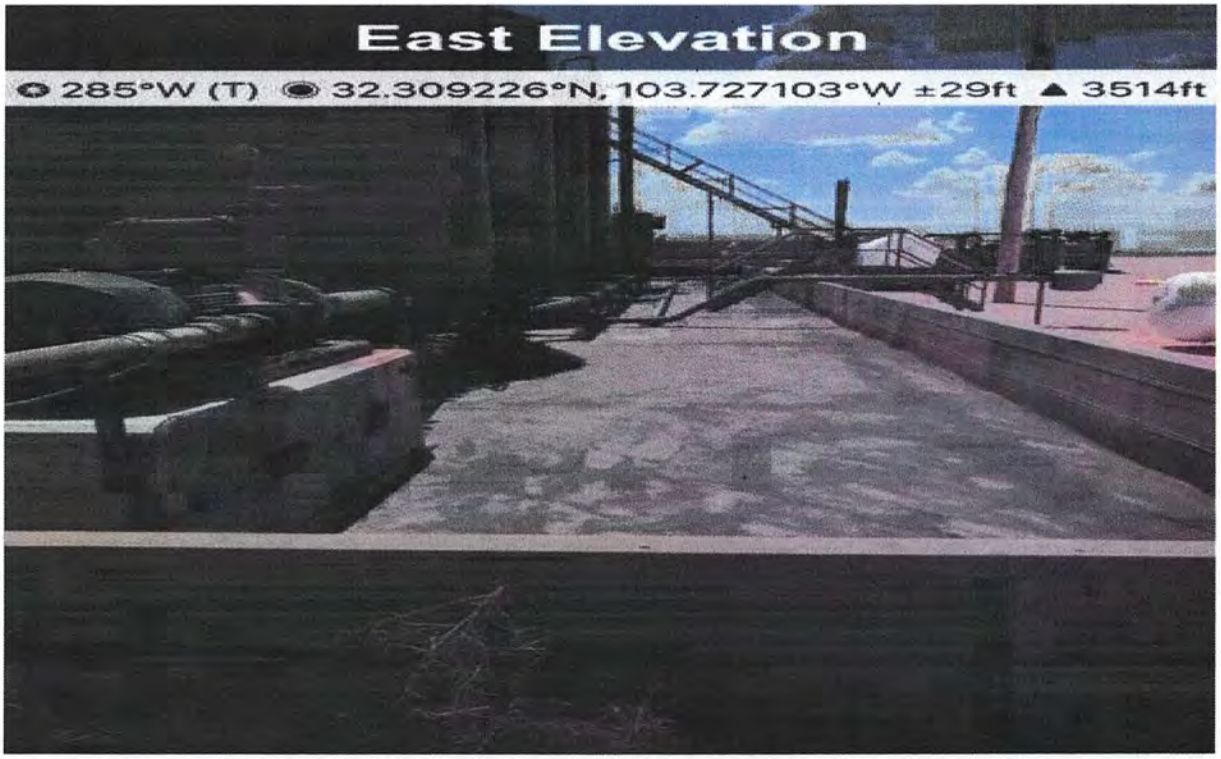
Signature: 

Date: July 15, 2022

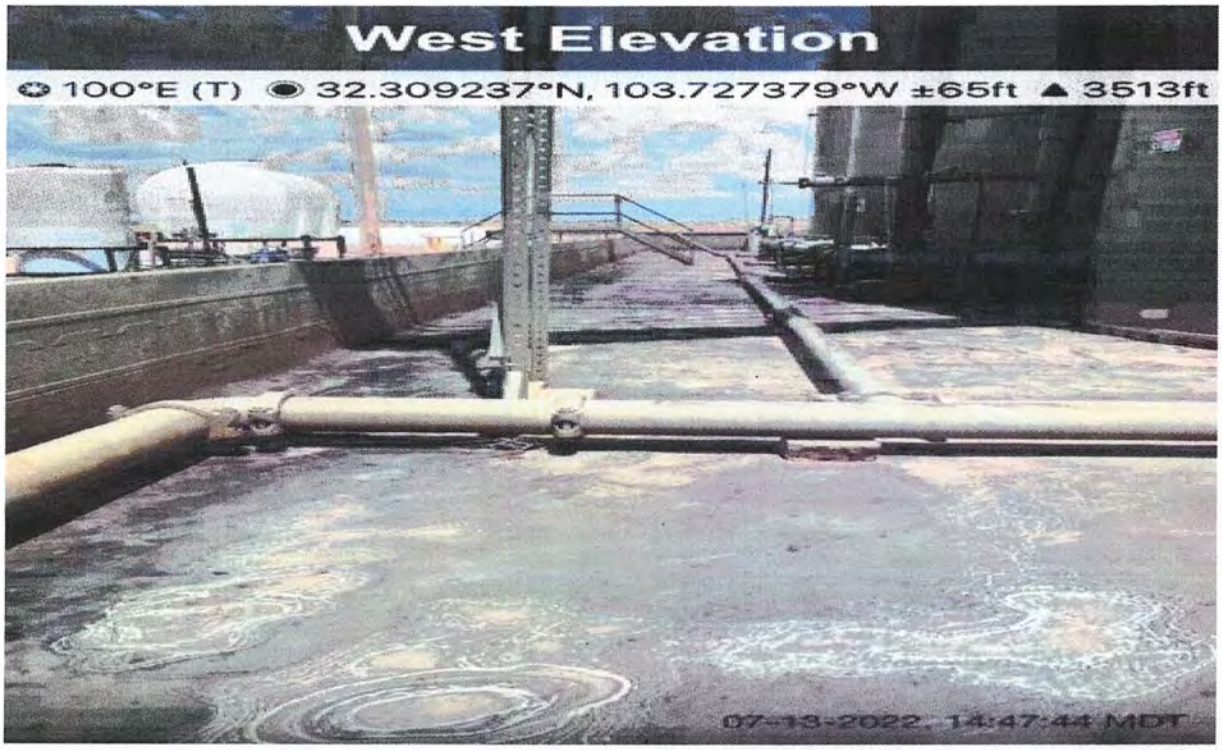
ATTACHMENT 3

ATTACHMENT 4

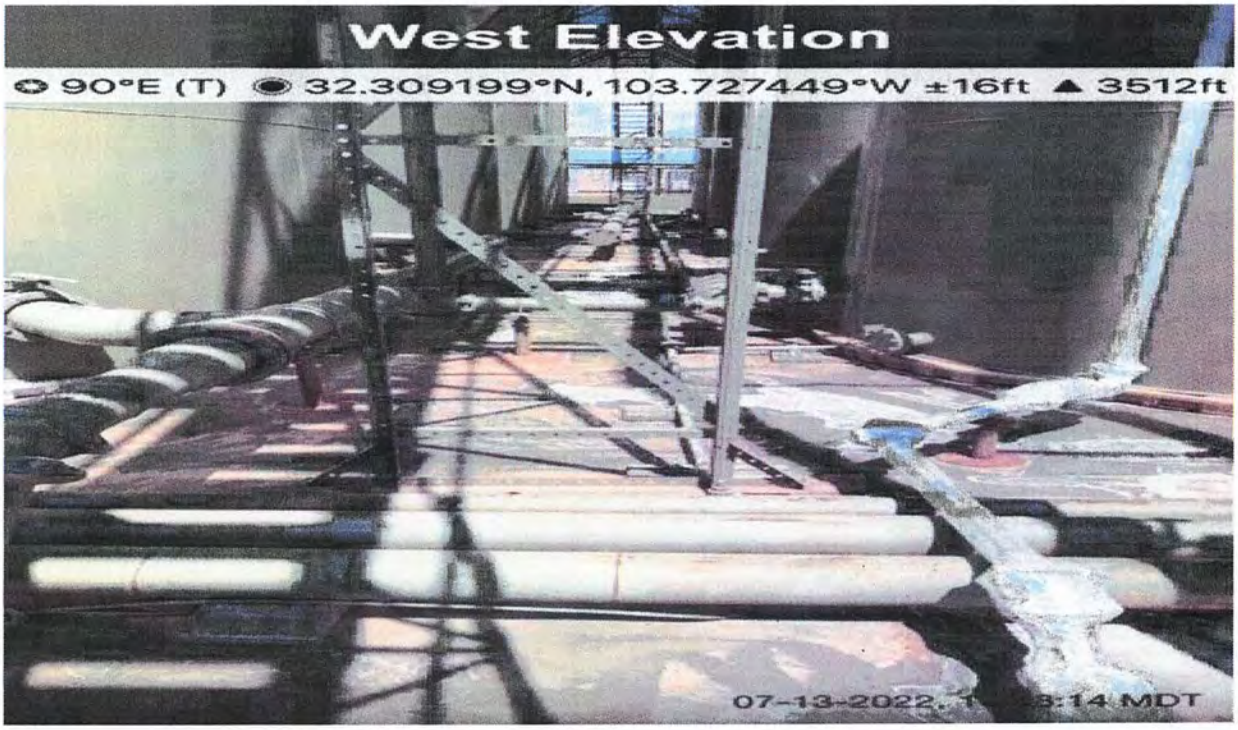
Tomb Raider 12 CTB 1



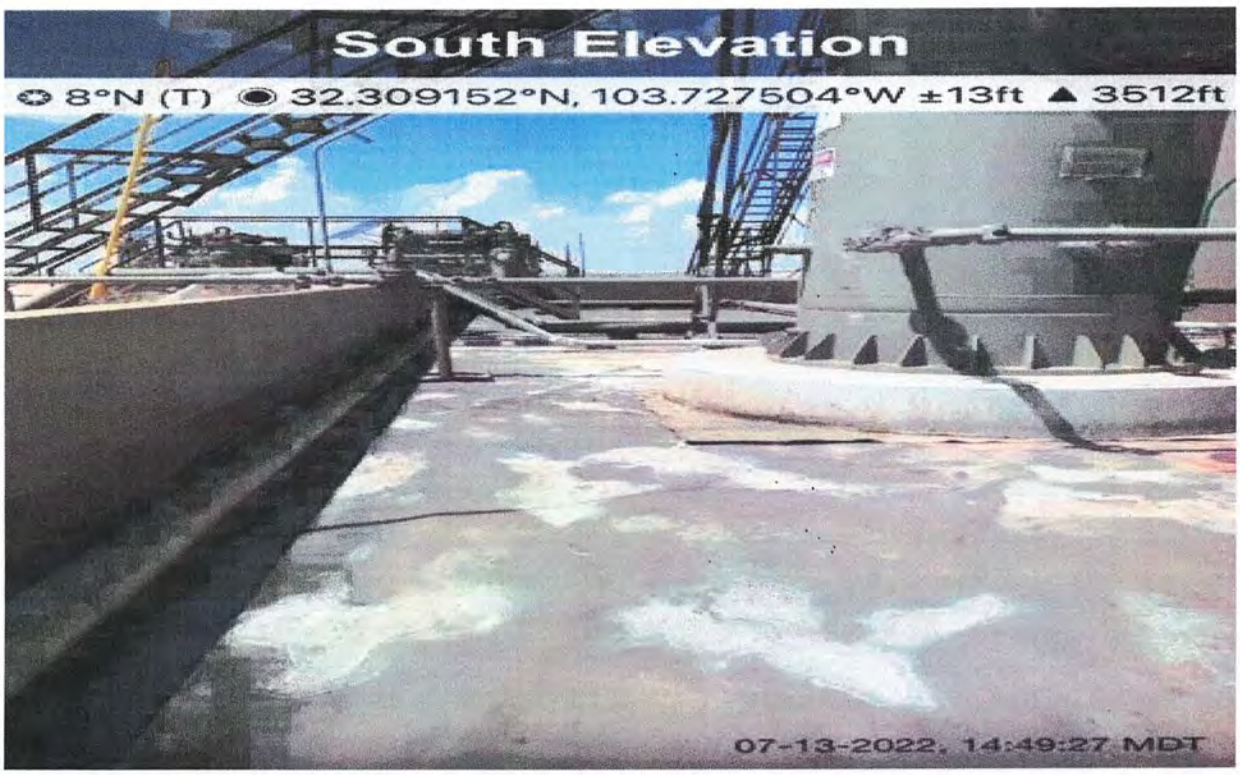
North Side of the Containment Area Looking Northwesterly



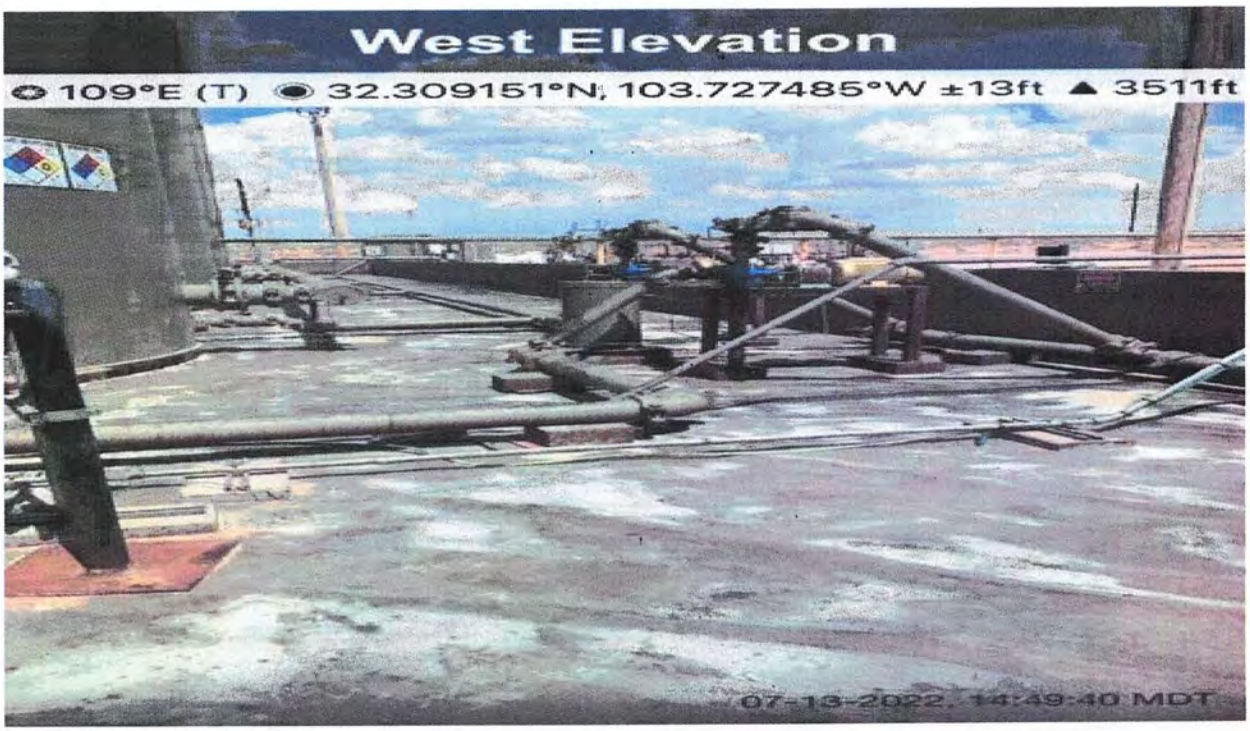
North Side of the Containment Area Looking Southeasterly



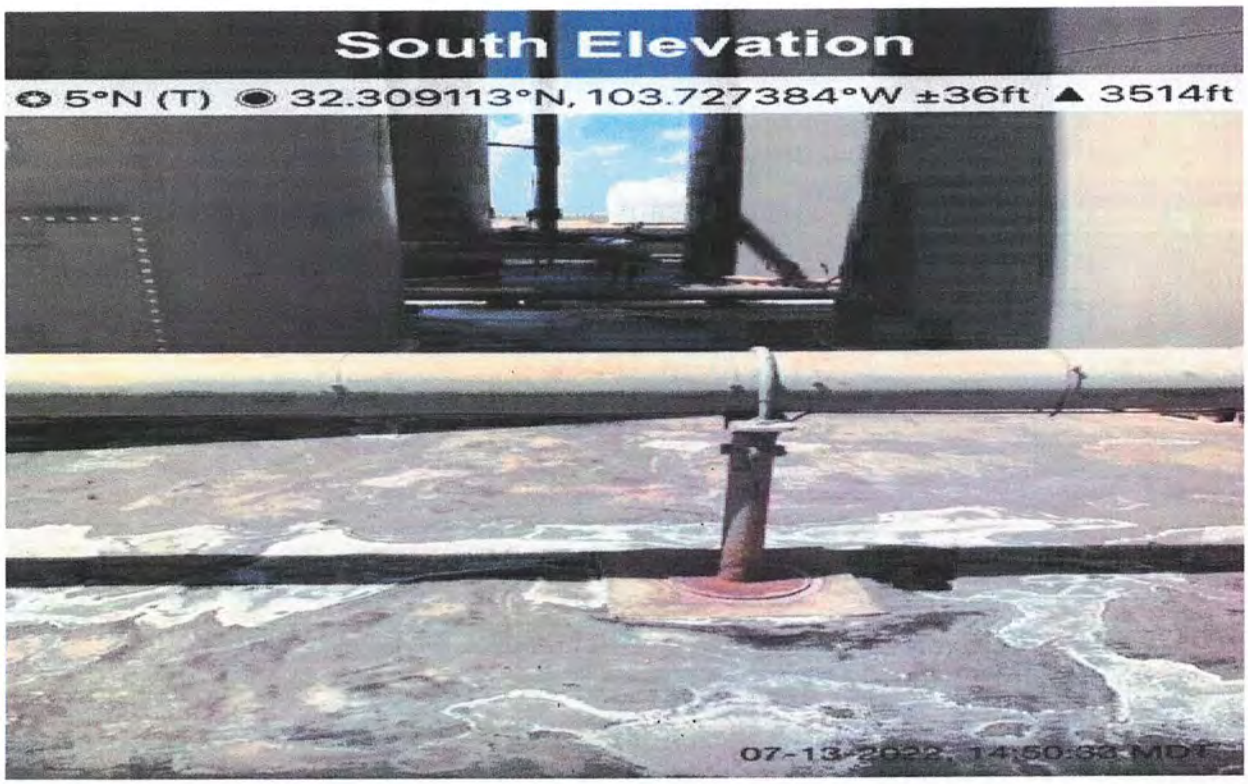
Between the Tanks Looking East



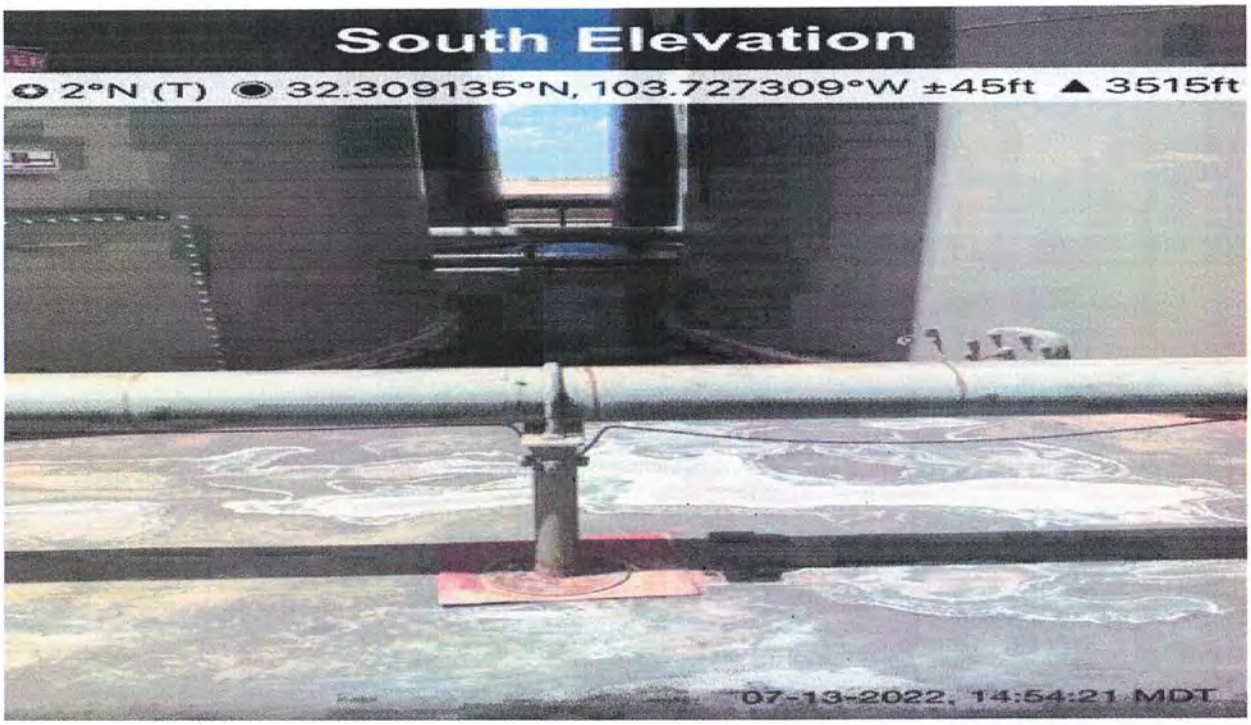
West End of the Battery Looking Northerly



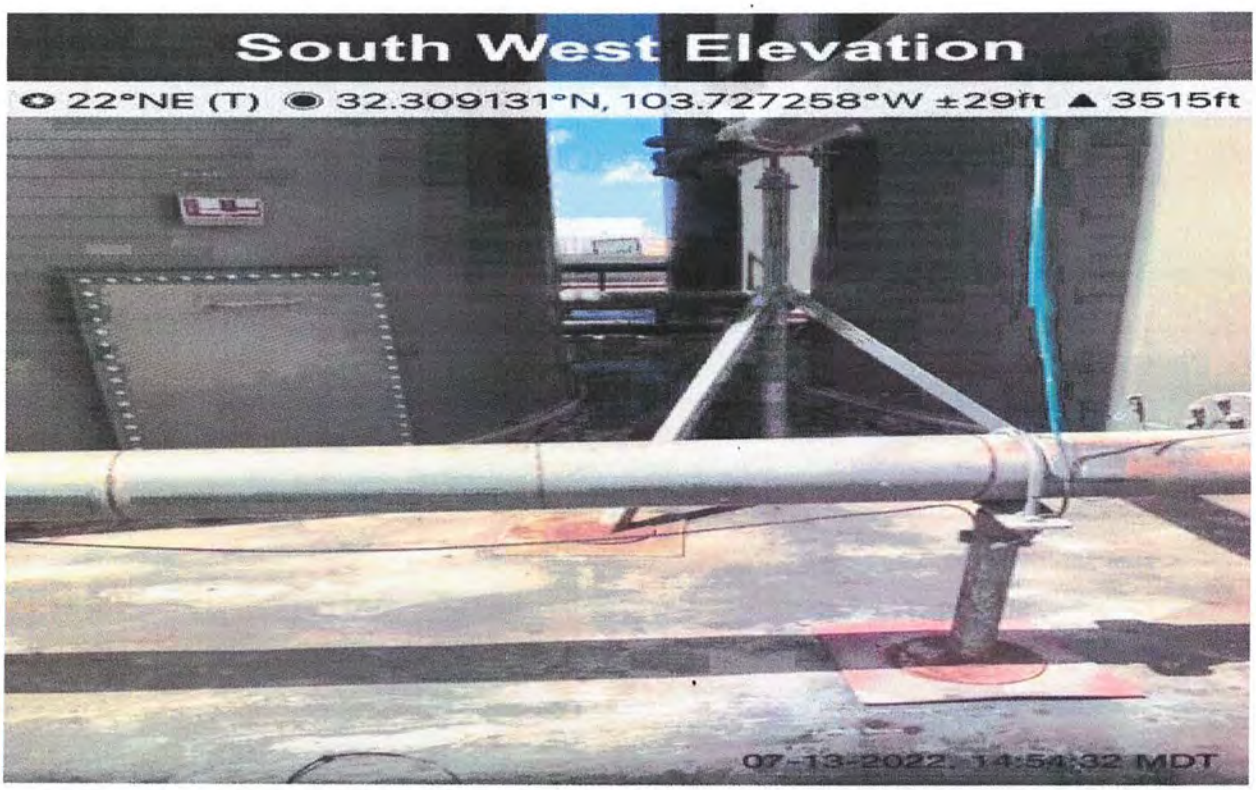
South Side of the Battery Looking Easterly



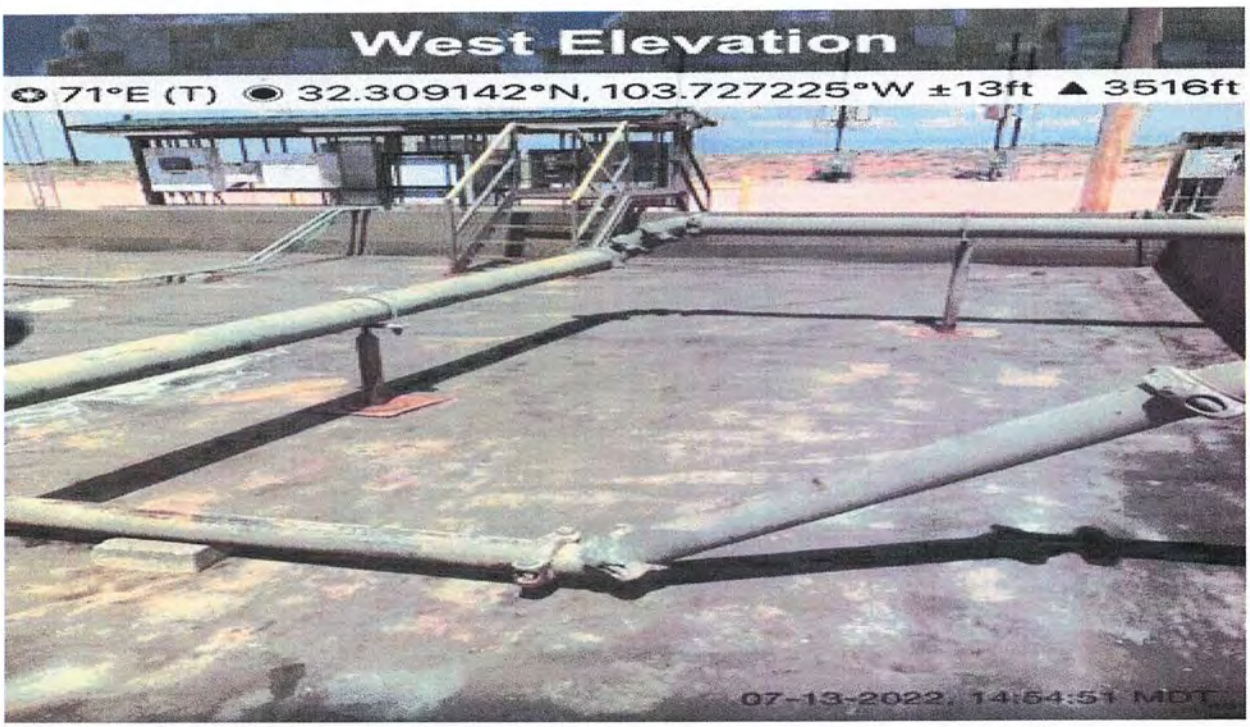
From South to North, Photo of Liner Between First and Second Group of Tanks Looking North



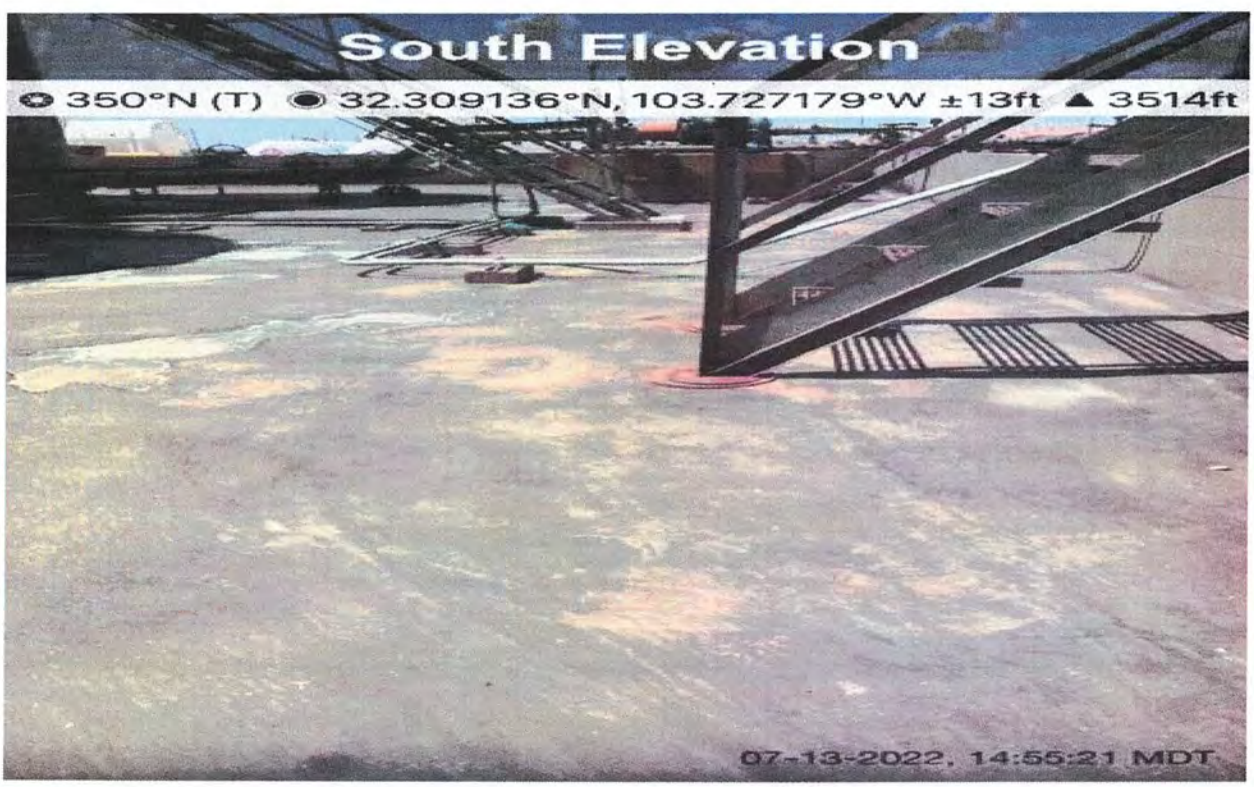
From South to North, Photo of Liner Between Second and Third Group of Tanks Looking North



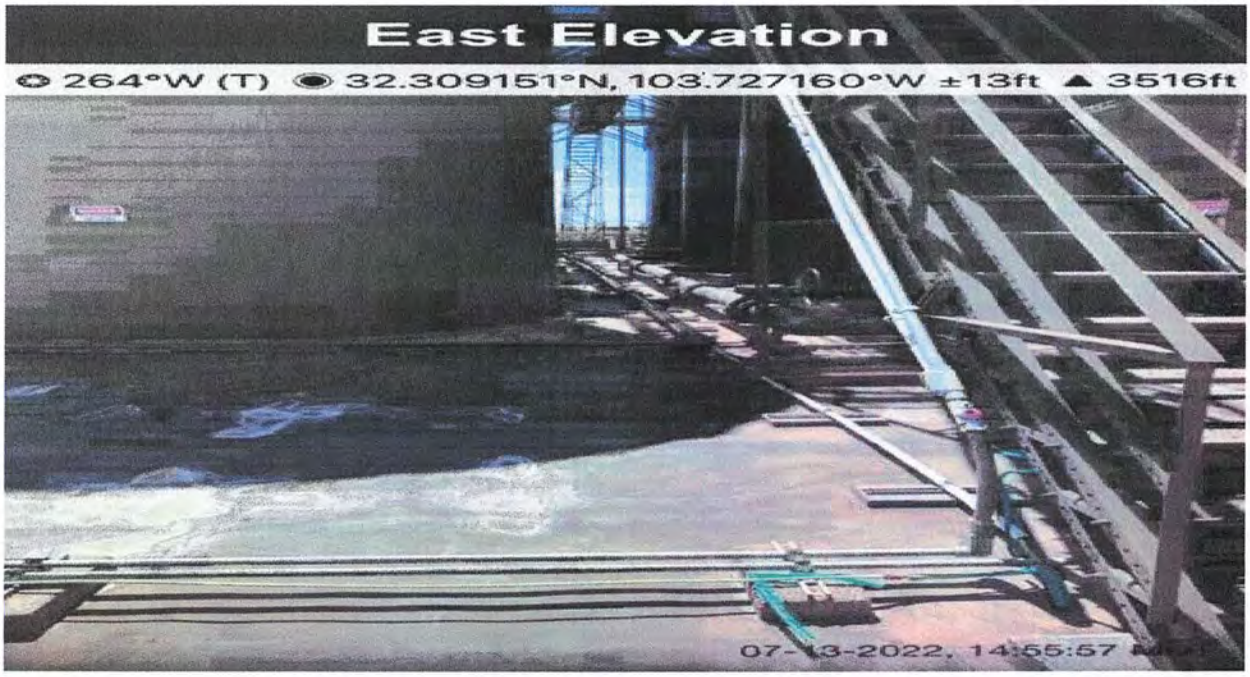
From South to North, Photo of Liner Between Third and Fourth Group of Tanks Looking North



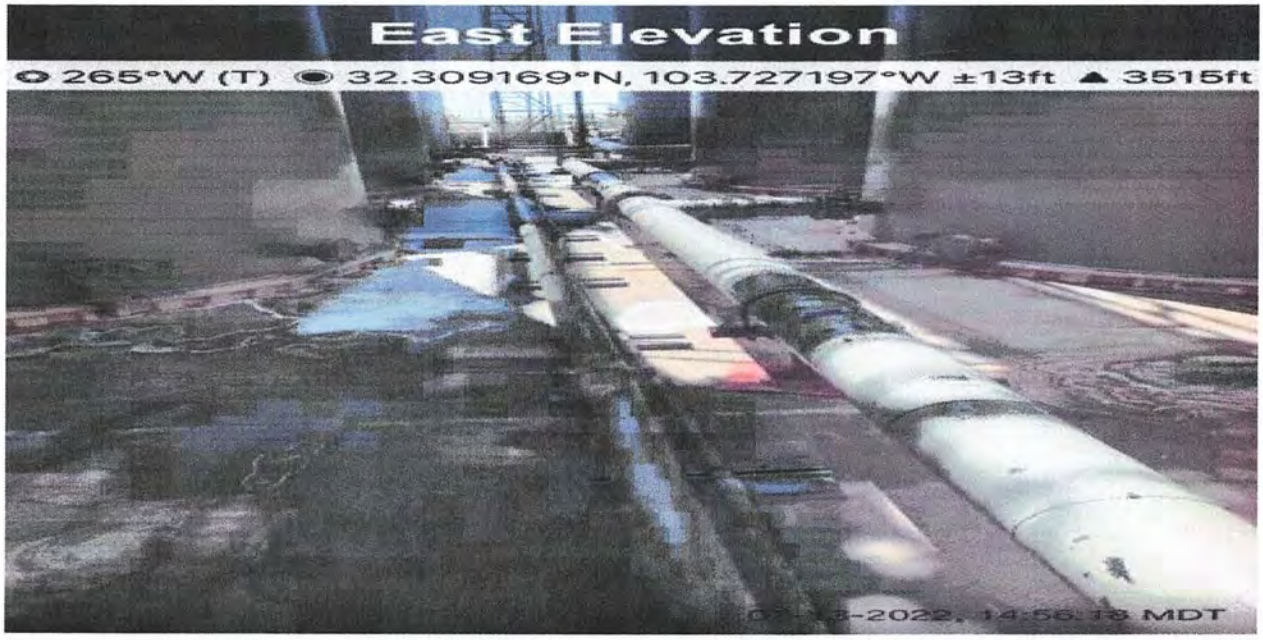
Southeastern Corner of the Liner Looking East-Northeast



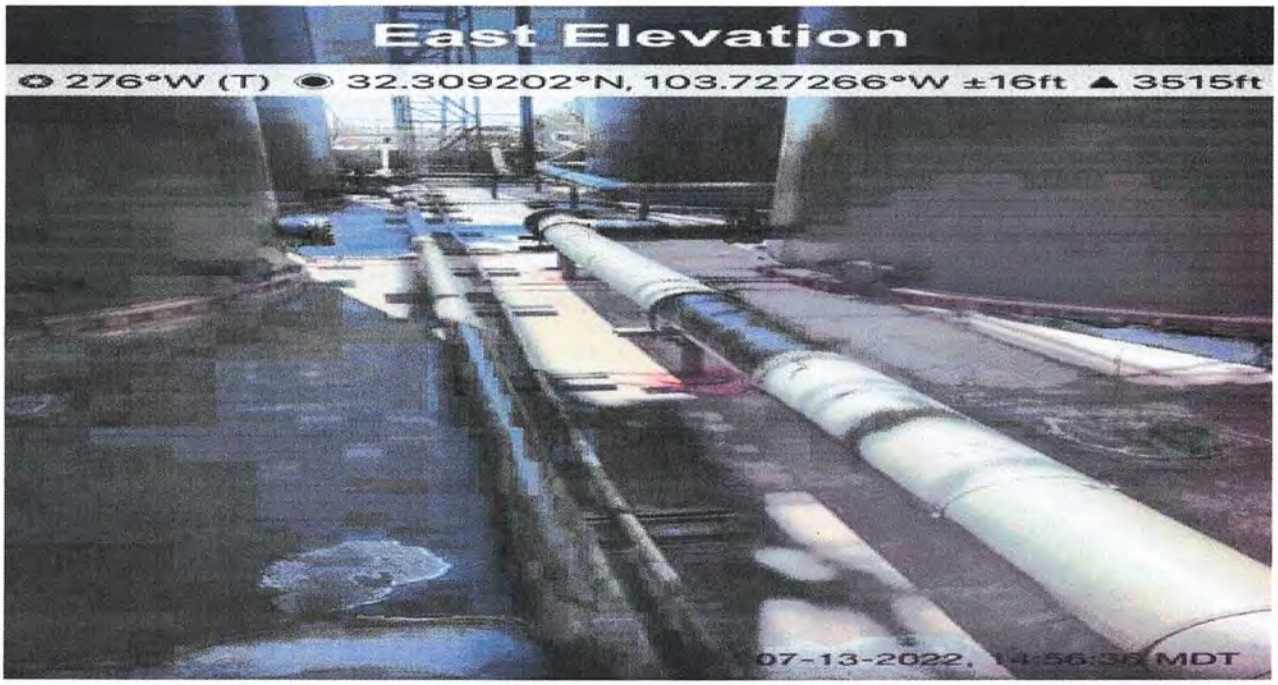
East End of the Containment Area Looking Northerly



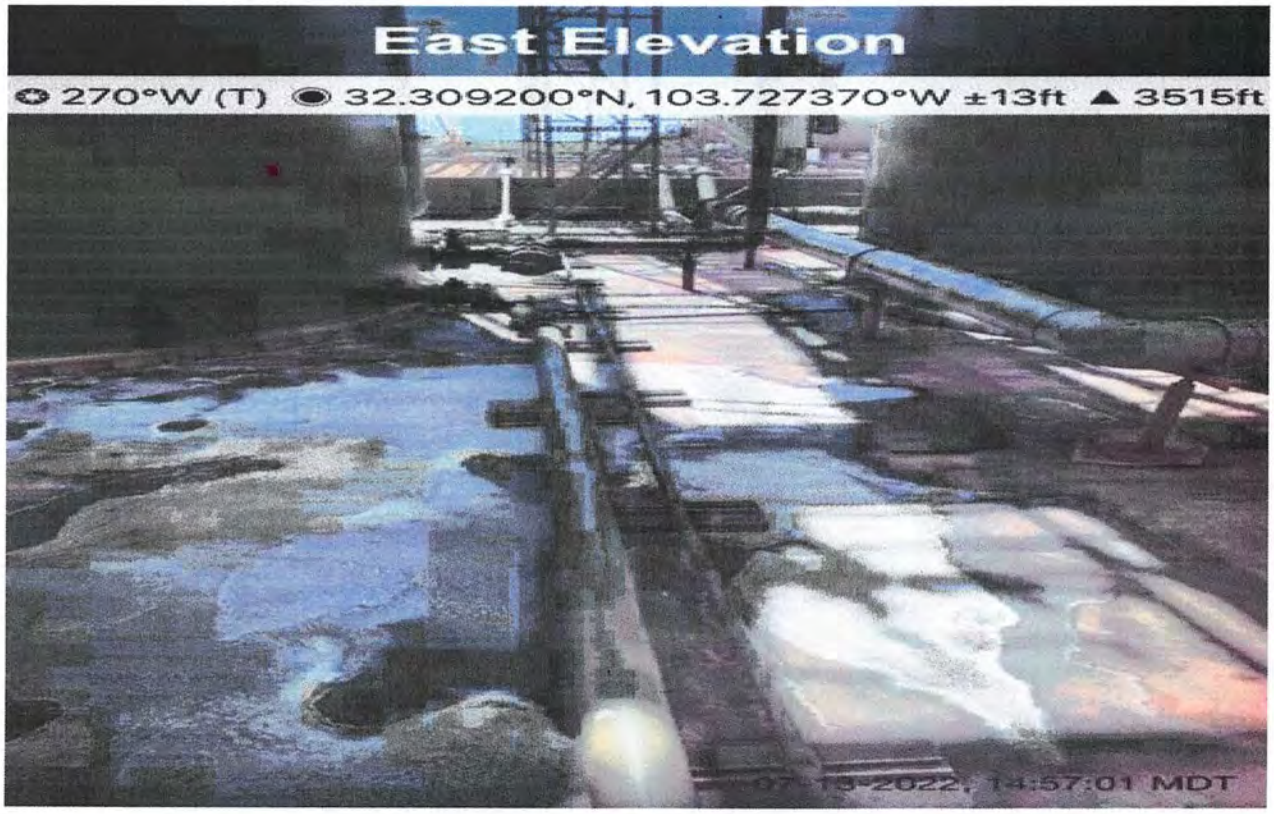
View in Between the Tanks Looking Westerly



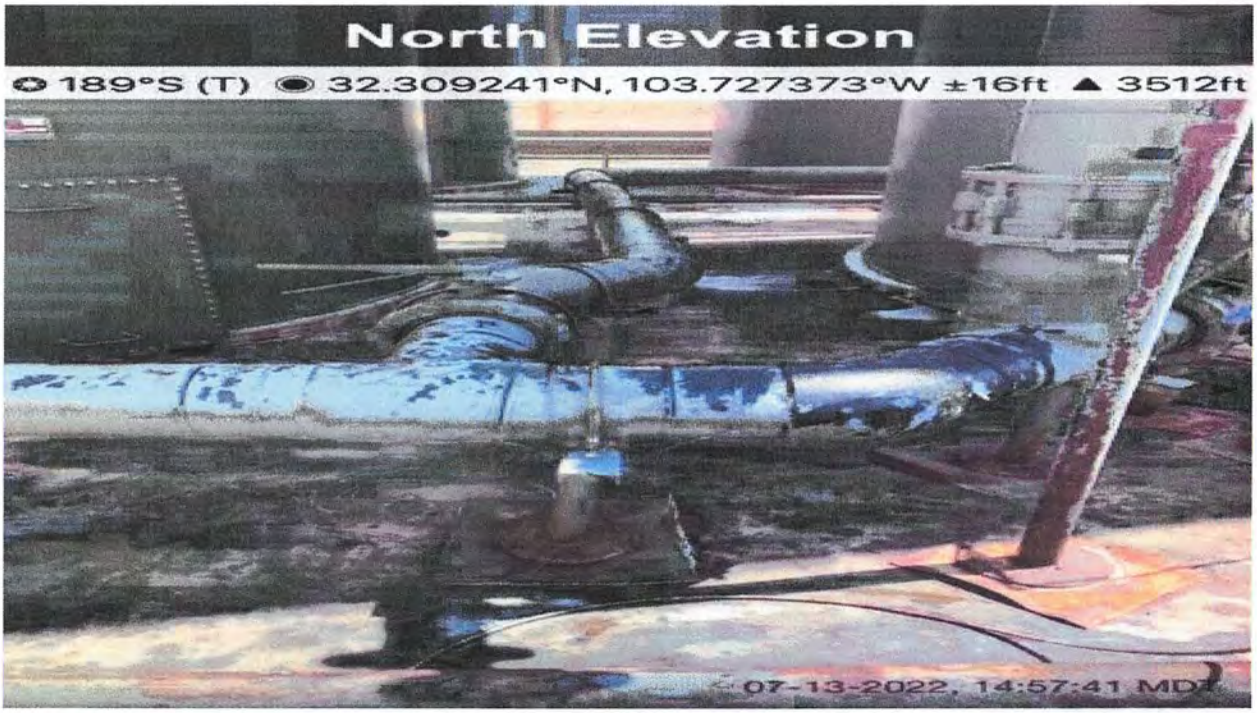
From South to North, Photo of Liner In Between Third and Fourth Group of Tanks



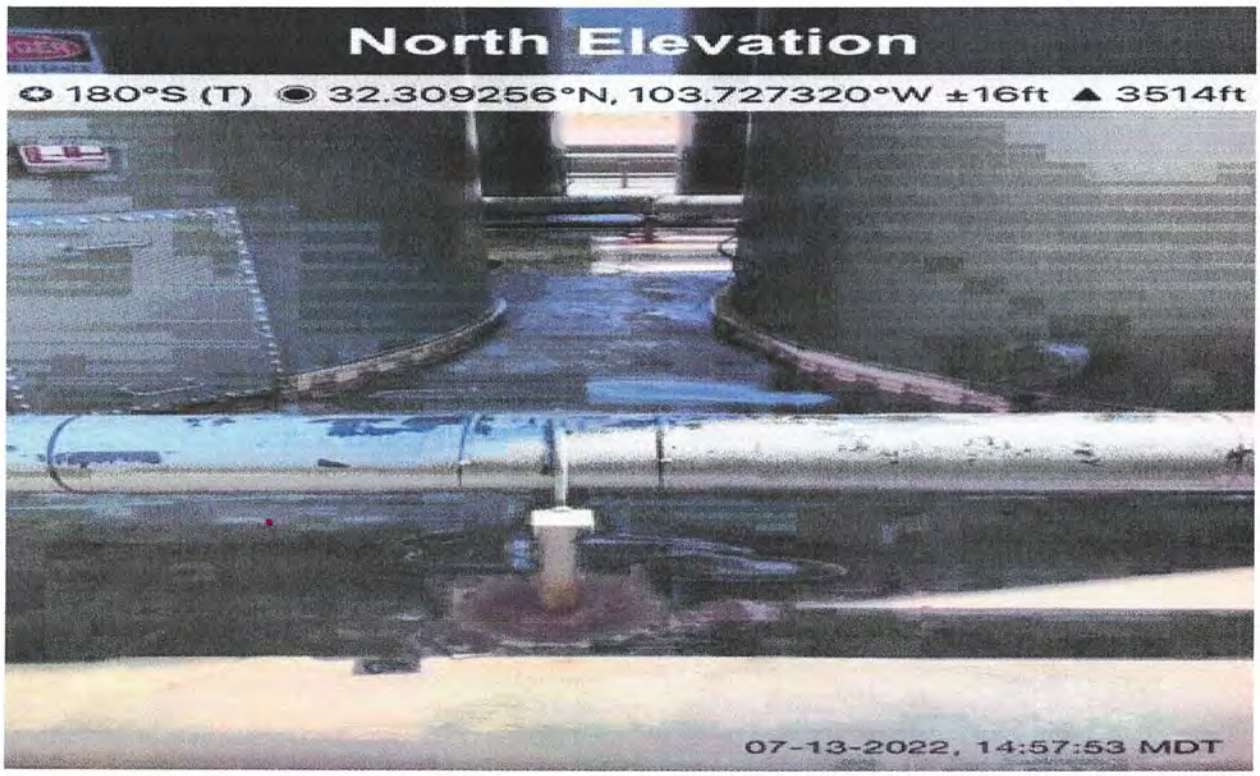
From South to North, Photo of Liner In Between Second and Third Group of Tanks



From South to North, Photo of Liner In Between First and Second Group of Tanks

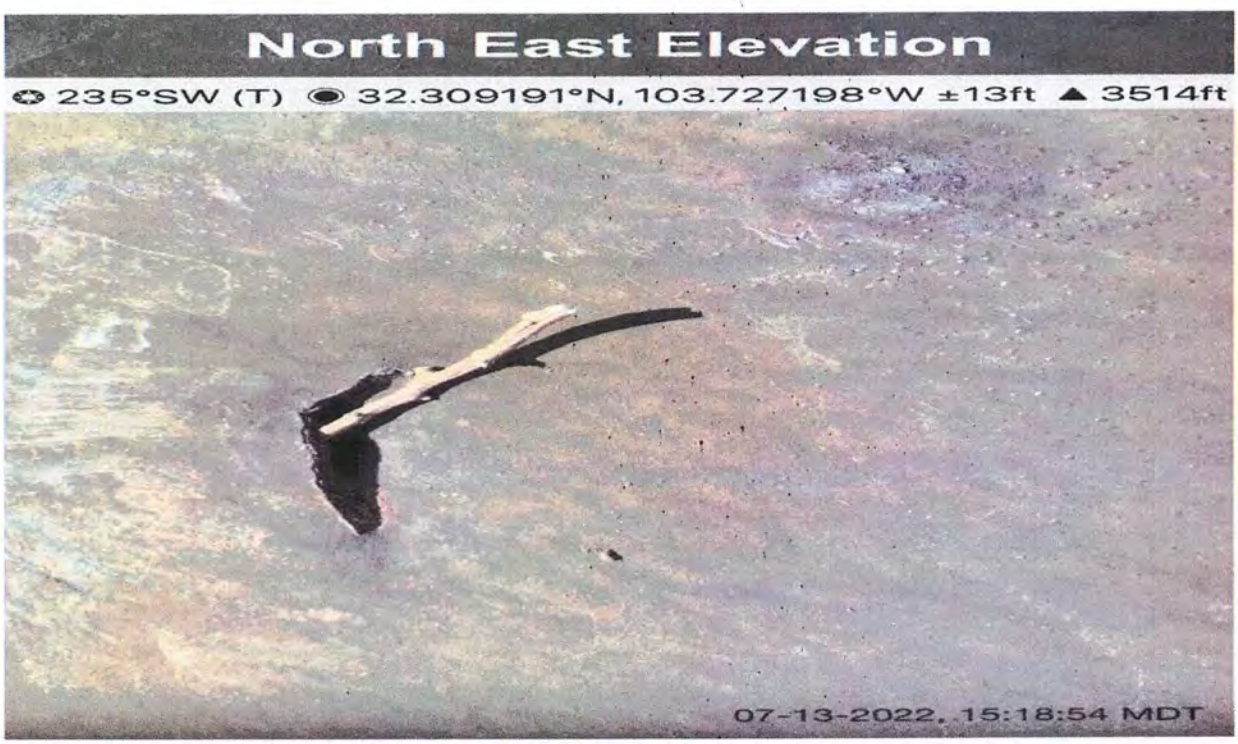


From South to North, Photo of Liner Between First and Second Group of Tanks Looking South



From South to North, Photo of Liner Between Second and Third Group of Tanks Looking South

From South to North, Photo of Liner Between Third and Fourth Group of Tanks Looking South



Small Mechanically Induced Hole in Liner - Designated Hole 1 – Near the Northeast Corner on the North Side of the Lined Containment

Small Mechanically Induced Hole in Liner – Designated Hole 2 - West Central Portion of North Side of the Lined Containment

John Farrell

From: Marcus, Ramona, EMNRD <Ramona.Marcus@state.nm.us>
Sent: Tuesday, July 5, 2022 5:23 PM
To: John Farrell; EMNRD-OCD-District1spills; EMNRD-OCD - ARTESIA
Subject: RE: [EXTERNAL] john.farrell@mcnabbpartners.com

From: John Farrell <mailservices@sks.com>
Sent: Tuesday, July 5, 2022 9:31 AM
To: Marcus, Ramona, EMNRD <Ramona.Marcus@state.nm.us>
Subject: [EXTERNAL] john.farrell@mcnabbpartners.com

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Name

John Farrell

Email

john.farrell@mcnabbpartners.com

Subject

required 48 hours notice for liner inspection

Message

I am having a difficult time contacting the District 1 and District 2 Office of NMOCD to give 48 hour notice for two liner inspections.

The Devon Fighting Okra CTB 3 is located in Lea County at coordinates 32.0491528 N, -103.516478 W. Approximately 201 bbls were released. Date of release: 6/21/22. OCD Incident #nAPP2217329066

The Devon Tomb Raider 12 CTB 1 is located in Eddy County at Coordinates 32.3092228 N, -103.7274908 W. Approximately 12 .5 bbls were released. Date of release: 6/25/22. OCD Incident # nAPP2217833526

Fluids were recovered via a vacuum truck. No releases to the ground occurred.

This problem with giving notifications is a reoccurring. I have been trying since 7:30 AM today to give notice.

I am considering this message as a a sufficient notice of intent to inspect the liners, I plan to do the Lea County location in the morning and the Eddy County location in the afternoon. Times not specified.

ATTACHMENT 5

TABLE 1
CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

DEVON TOMB RAIDER 12 CTB 1
EDDY COUNTY, NM
COORDINATES: 32.3092228, -103.7274908
NMOCD INCIDENT # nAPP2217833526

SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SAMPLE TYPE	SOIL STATUS	EPA SW-846 Method 8021B							TX 1005					SM4500Cl-B
					BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL-BENZENE (mg/Kg)	M,P-XYLENES (mg/Kg)	O-XYLENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C_6-C_{12} (mg/Kg)	DRO C_{12}-C_{28} (mg/Kg)	GRO+ DRO (mg/kg)	MRO C_{28}-C_{35} (mg/Kg)	TPH C_6-C_{35} (mg/Kg)	CHLORIDE (mg/Kg)
NMOCD Closure Limits					10	NE	NE	NE	NE	NE	50	NE	NE	1,000	NE	2,500	10,000
Hole 1	0-6"	7/15/2022	Grab	In-Situ	< 0.050	< 0.050	< 0.050	-	-	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**4,000**
Hole 1	6" - 12"	7/15/2022	Grab	In-Situ	< 0.050	< 0.050	< 0.050	-	-	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	**5,120**
Hole 1	2'	7/15/2022	Grab	In-Situ	< 0.050	< 0.050	< 0.050	-	-	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
Hole 2	0-6"	7/15/2022	Grab	In-Situ	< 0.050	< 0.050	< 0.050	-	-	<0.150	<0.300	<10.0	433	433	143	**576**	5440
Hole 2	6" - 12"	7/15/2022	Grab	In-Situ	< 0.050	< 0.050	< 0.050	-	-	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
Hole 2	2'	7/15/2022	Grab	In-Situ	< 0.050	< 0.050	< 0.050	-	-	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
Hole 2	3'	7/15/2022	Grab	In-Situ	< 0.050	< 0.050	< 0.050	-	-	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16

Concentrations in **BOLD** exceed the Remedial Objective of 600 mg/kg Chloride and 100 mg/kg TPH

ATTACHMENT 6

Table 2

Tomb Raider 12 CTB 1 Field Data Summary

Sample #	HACH Strip Used	HACH strip result	Cl^-	Cl^- Result * 4
Hole 1 0-6"	Low	> 8.0	> 2432	off scale
	High	7.2	2743	10972
Hole 1 6"-12"	Low	9	> 2432	off scale
	Hiigh	5.1	1192	4568
Hole 1 2 ft.	Low	0.6	< 116	off scale
Hole 2 0-6"	Low	8.3	> 2432	off scale
	High	4.6	967	3868
Hole 2 6"-12"	Low	2.8	78	312
Hole 2 2 ft.	Low	0.6	< 116	off scale
Hole 2 2 ft.	Low	0.6	< 116	off scale

Attachment 7

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

July 18, 2022

JOHN FARELL

MC NABB SERVICES

P. O. BOX 5753

HOBBS, NM 88240

RE: TOMB RAIDER 12 CTB 1

Enclosed are the results of analyses for samples received by the laboratory on 07/15/22 13:18.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

ATTACHMENT 8

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

MC NABB SERVICES
JOHN FARELL
P. O. BOX 5753
HOBBS NM, 88240
Fax To: (575) 391-8484

Received:	07/15/2022	Sampling Date:	07/15/2022
Reported:	07/18/2022	Sampling Type:	Soil
Project Name:	TOMB RAIDER 12 CTB 1	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO NM		

Sample ID: HOLE 1 0-6" (H223094-01)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/15/2022	ND	2.04	102	2.00	7.42	
Toluene*	<0.050	0.050	07/15/2022	ND	2.13	106	2.00	6.64	
Ethylbenzene*	<0.050	0.050	07/15/2022	ND	2.16	108	2.00	5.71	
Total Xylenes*	<0.150	0.150	07/15/2022	ND	6.57	109	6.00	4.74	
Total BTEX	<0.300	0.300	07/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *118 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**4000**	16.0	07/18/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2022	ND	234	117	200	8.36	
DRO >C10-C28*	<10.0	10.0	07/16/2022	ND	244	122	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	07/16/2022	ND					

Surrogate: 1-Chlorooctane *88.6 %* *43-149*

Surrogate: 1-Chlorooctadecane *89.3 %* *42.5-161*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

MC NABB SERVICES
JOHN FARELL
P. O. BOX 5753
HOBBS NM, 88240
Fax To: (575) 391-8484

Received:	07/15/2022	Sampling Date:	07/15/2022
Reported:	07/18/2022	Sampling Type:	Soil
Project Name:	TOMB RAIDER 12 CTB 1	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO NM		

Sample ID: HOLE 1 6"-12" (H223094-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/15/2022	ND	2.04	102	2.00	7.42	
Toluene*	<0.050	0.050	07/15/2022	ND	2.13	106	2.00	6.64	
Ethylbenzene*	<0.050	0.050	07/15/2022	ND	2.16	108	2.00	5.71	
Total Xylenes*	<0.150	0.150	07/15/2022	ND	6.57	109	6.00	4.74	
Total BTEX	<0.300	0.300	07/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID 119 % 69.9-140

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**5120**	16.0	07/18/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2022	ND	234	117	200	8.36	
DRO >C10-C28*	<10.0	10.0	07/16/2022	ND	244	122	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	07/16/2022	ND					

Surrogate: 1-Chlorooctane 90.9 % 43-149

Surrogate: 1-Chlorooctadecane 92.0 % 42.5-161

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

MC NABB SERVICES
JOHN FARELL
P. O. BOX 5753
HOBBS NM, 88240
Fax To: (575) 391-8484

Received:	07/15/2022	Sampling Date:	07/15/2022
Reported:	07/18/2022	Sampling Type:	Soil
Project Name:	TOMB RAIDER 12 CTB 1	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO NM		

Sample ID: HOLE 1 2' (H223094-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/15/2022	ND	2.04	102	2.00	7.42	
Toluene*	<0.050	0.050	07/15/2022	ND	2.13	106	2.00	6.64	
Ethylbenzene*	<0.050	0.050	07/15/2022	ND	2.16	108	2.00	5.71	
Total Xylenes*	<0.150	0.150	07/15/2022	ND	6.57	109	6.00	4.74	
Total BTEX	<0.300	0.300	07/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PIL 119 % 69.9-140

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	07/18/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2022	ND	234	117	200	8.36	
DRO >C10-C28*	<10.0	10.0	07/16/2022	ND	244	122	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	07/16/2022	ND					

Surrogate: 1-Chlorooctane 90.4 % 43-149

Surrogate: 1-Chlorooctadecane 90.6 % 42.5-161

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

MC NABB SERVICES
JOHN FARELL
P. O. BOX 5753
HOBBS NM, 88240
Fax To: (575) 391-8484

Received:	07/15/2022	Sampling Date:	07/15/2022
Reported:	07/18/2022	Sampling Type:	Soil
Project Name:	TOMB RAIDER 12 CTB 1	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO NM		

Sample ID: HOLE 2 0-6" (H223094-04)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/15/2022	ND	2.04	102	2.00	7.42	
Toluene*	<0.050	0.050	07/15/2022	ND	2.13	106	2.00	6.64	
Ethylbenzene*	<0.050	0.050	07/15/2022	ND	2.16	108	2.00	5.71	
Total Xylenes*	<0.150	0.150	07/15/2022	ND	6.57	109	6.00	4.74	
Total BTEX	<0.300	0.300	07/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *117 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**5440**	16.0	07/18/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2022	ND	234	117	200	8.36	
DRO >C10-C28*	**433**	10.0	07/16/2022	ND	244	122	200	1.01	
EXT DRO >C28-C36	**143**	10.0	07/16/2022	ND					

Surrogate: 1-Chlorooctane *91.6 %* *43-149*

Surrogate: 1-Chlorooctadecane *110 %* *42.5-161*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

MC NABB SERVICES
JOHN FARELL
P. O. BOX 5753
HOBBS NM, 88240
Fax To: (575) 391-8484

Received:	07/15/2022	Sampling Date:	07/15/2022
Reported:	07/18/2022	Sampling Type:	Soil
Project Name:	TOMB RAIDER 12 CTB 1	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO NM		

Sample ID: HOLE 2 6"-12" (H223094-05)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/15/2022	ND	2.04	102	2.00	7.42	
Toluene*	<0.050	0.050	07/15/2022	ND	2.13	106	2.00	6.64	
Ethylbenzene*	<0.050	0.050	07/15/2022	ND	2.16	108	2.00	5.71	
Total Xylenes*	<0.150	0.150	07/15/2022	ND	6.57	109	6.00	4.74	
Total BTEX	<0.300	0.300	07/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PIL *117 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**288**	16.0	07/18/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2022	ND	184	91.9	200	2.55	
DRO >C10-C28*	<10.0	10.0	07/16/2022	ND	196	97.9	200	0.938	
EXT DRO >C28-C36	<10.0	10.0	07/16/2022	ND					

Surrogate: 1-Chlorooctane *73.6 %* *43-149*

Surrogate: 1-Chlorooctadecane *81.7 %* *42.5-161*

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

MC NABB SERVICES
JOHN FARELL
P. O. BOX 5753
HOBBS NM, 88240
Fax To: (575) 391-8484

Received:	07/15/2022	Sampling Date:	07/15/2022
Reported:	07/18/2022	Sampling Type:	Soil
Project Name:	TOMB RAIDER 12 CTB 1	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO NM		

Sample ID: HOLE 2 2' (H223094-06)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/15/2022	ND	2.04	102	2.00	7.42	
Toluene*	<0.050	0.050	07/15/2022	ND	2.13	106	2.00	6.64	
Ethylbenzene*	<0.050	0.050	07/15/2022	ND	2.16	108	2.00	5.71	
Total Xylenes*	<0.150	0.150	07/15/2022	ND	6.57	109	6.00	4.74	
Total BTEX	<0.300	0.300	07/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PIL *118 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	07/18/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2022	ND	184	91.9	200	2.55	
DRO >C10-C28*	<10.0	10.0	07/16/2022	ND	196	97.9	200	0.938	
EXT DRO >C28-C36	<10.0	10.0	07/16/2022	ND					

Surrogate: 1-Chlorooctane *78.6 %* *43-149*

Surrogate: 1-Chlorooctadecane *86.7 %* *42.5-161*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

MC NABB SERVICES
JOHN FARELL
P. O. BOX 5753
HOBBS NM, 88240
Fax To: (575) 391-8484

Received:	07/15/2022	Sampling Date:	07/15/2022
Reported:	07/18/2022	Sampling Type:	Soil
Project Name:	TOMB RAIDER 12 CTB 1	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO NM		

Sample ID: HOLE 2 3' (H223094-07)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/16/2022	ND	2.04	102	2.00	7.42	
Toluene*	<0.050	0.050	07/16/2022	ND	2.13	106	2.00	6.64	
Ethylbenzene*	<0.050	0.050	07/16/2022	ND	2.16	108	2.00	5.71	
Total Xylenes*	<0.150	0.150	07/16/2022	ND	6.57	109	6.00	4.74	
Total BTEX	<0.300	0.300	07/16/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID *117 %* *69.9-140*

Chloride, SM4500Cl-B mg/kg **Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	16.0	07/18/2022	ND	432	108	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/16/2022	ND	184	91.9	200	2.55	
DRO >C10-C28*	<10.0	10.0	07/16/2022	ND	196	97.9	200	0.938	
EXT DRO >C28-C36	<10.0	10.0	07/16/2022	ND					

Surrogate: 1-Chlorooctane *78.3 %* *43-149*

Surrogate: 1-Chlorooctadecane *86.7 %* *42.5-161*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: McNABB PARTNER
Project Manager: JOHN FARRELL
Address: John.farrell@mcnabbpartners.com
City: HOBBS State: NM Zip: 88240
Phone #: Fax #:
Project #: Project Owner:
Project Name: TOMB RAIDER 12 CTB 1
Project Location: EDDY Co
Sampler Name: JOHN FARRELL

BILL TO

P.O. #:
Company: DEVON ENERGY
Attn: DALE WOODALL
Address: SEVEN RIVERS PKWY
City: ARTESIA NM
State: NM Zip:
Phone #:
Fax #:

ANALYSIS REQUEST

dale.woodall@dvn.com

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	BTEX	TPH	1D
H223094																	
1	HOLE 1 0-6"	G	1			✓					✓		7/15/22	8:10	✓	✓	✓
2	HOLE 1 6"-12"	G	1			✓					✓		7/15/22	8:19	✓	✓	✓
3	HOLE 1 2'	G	1			✓					✓		7/15/22	10:27	✓	✓	✓
4	HOLE 2 0-6"	G	1			✓					✓		7/15/22	8:39	✓	✓	✓
5	HOLE 2 6"-12"	G	1			✓					✓		7/15/22	8:48	✓	✓	✓
6	HOLE 2 2'	G	1			✓					✓		7/15/22	9:00	✓	✓	✓
7	HOLE 2 3'	G	1			✓					✓		7/15/22	9:10	✓	✓	✓

Relinquished By: Date: 7/15/22 Time: 13:18 Received By:
Relinquished By: Date: Time: Received By:

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:
REMARKS:

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:
Observed Temp. °C 9.3
Corrected Temp. °C 8.7
Sample Condition: Cool ☐ Yes ☑ No Intact ☑ Yes ☐ No
CHECKED BY: (Initials) TO

Turnaround Time: Standard ☐ Rush ☑
Thermometer ID #113
Correction Factor -0.6°C
Bacteria (only) Sample Condition: Cool ☐ Yes ☐ Nc Intact ☐ Yes ☐ No
Observed Temp. °C
Corrected Temp. °C

FORM-006 R 3.2 10/07/21

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

ATTACHMENT 9

(Placeholder for NMOSE Drilling Permit, Plugging Report and Associated Documents)

PLUGGING RECORD

NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: C-4704 POD-1

Well owner: Devon Energy Phone No.: 575-748-1838

Mailing address: 6488 7 Rivers Hwy

City: Artesia State: New Mexico Zip code: 88210

II. WELL PLUGGING INFORMATION:

1) Name of well drilling company that plugged well: Jackie D. Atkins (Atkins Engineering Associates Inc.)

2) New Mexico Well Driller License No.: 1249 Expiration Date: 04/30/25

3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Shane Eldridge, Cameron Pruitt

4) Date well plugging began: 4/18/23 Date well plugging concluded: 4/18/23

5) GPS Well Location: Latitude: 32 deg, 18 min, 31.26 sec
Longitude: 103 deg, 43 min, 36.7 sec, WGS 84

6) Depth of well confirmed at initiation of plugging as: 55 ft below ground level (bgl), by the following manner: weighted tape

7) Static water level measured at initiation of plugging: n/a ft bgl

8) Date well plugging plan of operations was approved by the State Engineer: 2/9/23

9) Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	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)
0	20	20	Sand, fine-grained, poorly graded, semi-consolidated, with caliche Tan/ white	Y ✓ N	
20	44	24	Sand, fine-grained, poorly graded, semi-consolidated, Tan/ Brown	Y ✓ N	
44	55	9	Sand, fine-grained, poorly graded, semi-consolidated, Reddish Brown	Y ✓ N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

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: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface.
35
Tomb Raider 12 CTB 1

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

Shane Eldridge, Cameron Pruitt

6. SIGNATURE

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:

Jack Atkins — Jackie D. Atkins — 4/27/23

SIGNATURE OF DRILLER / PRINT SIGNEE NAME — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 2 OF 2

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
POD 1 (TW-1)	N/A	C-4704

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Devon Energy	575-748-1838

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
6488 7 Rivers Hwy	Artesia	NM	88210

WELL LOCATION (FROM GPS)	DEGREES	MINUTES	SECONDS	
LATITUDE	32	18	31.26	N
LONGITUDE	103	43	36.7	W

* 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

SW NE NE Sec.13 T23S R31E NMPM

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
1249	Jackie D. Atkins	Atkins Engineering Associates, Inc.

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
4/11/23	4/11/23	Temporary Well Material	±55	N/A

COMPLETED WELL IS: ☐ ARTESIAN ☑ DRY HOLE ☐ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): N/A

DATE STATIC MEASURED: 4/18/23

DRILLING FLUID: ☐ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☐ ROTARY ☐ HAMMER ☐ CABLE TOOL ☑ OTHER – SPECIFY: Hollow Stem Auger

CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	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)
0	55	±6.25	Soil Boring	--	--	--	--

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
			N/A		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 1 OF 2

Atkins ENGINEERING ASSOCIATES INC.
2904 W 2nd St.
Roswell, NM 88201
voice: 575.624.2420
fax: 575.624.2421
www.atkinseng.com

April 27, 2023

DII-NMOSE
1900 W 2nd Street
Roswell, NM 88201

Hand Delivered to the DII Office of the State Engineer

Re: Well RecordC-4704 Pod-1

To whom it may concern:

Attached please find a well log & record and a plugging record, in duplicate, for a one (1) soil borings, C-4704 Pod-1.

If you have any questions, please contact me at 575.499.9244 or lucas@atkinseng.com.

Sincerely,

Lucas Middleton

Enclosures: as noted above

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
	0-10' Hydrated Bentonite	Approx. 15 gallons	15 gallons	Augers	
	10'-55' Drill Cuttings	Approx. 71 gallons	71 gallons	Boring	

MULTIPLY		BY		AND OBTAIN
cubic feet	x	7.4805	=	gallons
cubic yards	x	201.97	=	gallons

III. SIGNATURE:

I, Jackie D. Atkins, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Jack Atkins — Signature of Well Driller

4/27/23 — Date

Version: September 8, 2009
Page 2 of 2

35-CP-4704-WR-20 Well Record and Log-packet-forsign1

Final Audit Report 2023-04-27

Created:	2023-04-27
By:	Lucas Middleton (lucas@atkinseng.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAAHO0KgzeQPyVVpK28-KGa4nCyrrjCE1qh

"35-CP-4704-WR-20 Well Record and Log-packet-forsign1" History

Document created by Lucas Middleton (lucas@atkinseng.com)
2023-04-27 - 5:25:43 PM GMT- IP address: 174.205.225.2

Document emailed to Jack Atkins (jack@atkinseng.com) for signature
2023-04-27 - 5:26:16 PM GMT

Email viewed by Jack Atkins (jack@atkinseng.com)
2023-04-27 - 7:56:28 PM GMT- IP address: 64.90.153.232

Document e-signed by Jack Atkins (jack@atkinseng.com)
Signature Date: 2023-04-27 - 7:57:01 PM GMT - Time Source: server- IP address: 64.90.153.232

Agreement completed.
2023-04-27 - 7:57:01 PM GMT

RECEIVED APR 28 2023 8:11:02

Adobe Acrobat Sign

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
Contact Name	Contact Telephone
Contact email	Incident # *(assigned by OCD)*
Contact mailing address	

Location of Release Source

Latitude _____ Longitude _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Site Type
Date Release Discovered	API# *(if applicable)*

Unit Letter	Section	Township	Range	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)	Volume Recovered (bbls)
	Is the concentration of total dissolved solids (TDS) 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		

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2217833526
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

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.
☐ 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.

Printed Name: _____ Title: _____

Signature: Kendra Ruiz Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Jocelyn Harimon Date: 07/12/2022

Spills In Lined Containment	
Measurements Of Standing Fluid	
Length(Ft)	75
Width(Ft)	65
Depth(in.)	0.25
Total Capacity without tank displacements (bbls)	18.09
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.	12.49

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2217833526
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?	Over 51 (ft. bgs.)
Did this release impact groundwater or surface water?	☐ Yes ☒ 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 ☒ 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 ☒ 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 **not** 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.*** **NOTE: All fluids released were captured within a lined containment. This C-141 documents the requirements of NMAC 19.15.29.11.5(a)(i) and (ii). A documented liner inspection including photographs with time, date, directionals and coordinates are included with the closure request. 48-hours-notice was given to NMOCD in the event that NMOCD wanted to observe the liner inspection. Two mechanically induced holes were found in the liner. Soils beneath the liner were sampled through the holes. Attached reporting summarizes field and lab results.**

☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
☒ 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

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

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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.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Dale Woodall Title: Environment Professional

Signature: Dale Woodall Date: 5/2/2023

email: Dale.Woodall@dvn.com Telephone: 405 318 4697

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

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Remediation Plan

Remediation Plan Checklist: ***Each of the following items must be included in the plan.*** **NOTE: This release occurred within a lined containment. The release was reported as 12.49 bbls. of produced water. A vacuum truck was utilized to recover released fluid. The liner was inspected on July 13, 2022 and found to be intact with no obvious sign of deterioration. No Fluids were spilled to the ground outside the containment. The fluids were properly disposed. Vertical delineation at the 2 mechanically induced holes was performed.** A deferral is requested under NMAC 19.15.29.12.C.2. Based on Laboratory Results, the volume of impacted soils is estimated at less than 2 yds^3. **Holes in the liner were repaired by Devon Construction personnel. Soil remediation will be required at the time of facility closure. The valve was replaced and the battery is back in service.**

☒ Detailed description of proposed remediation technique
☒ Scaled sitemap with GPS coordinates showing delineation points
☒ Estimated volume of material to be remediated
☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: ***Each of the following items must be confirmed as part of any request for deferral of remediation.***

☒ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.

☐ Extents of contamination must be fully delineated. Horizontal delineation could not be performed without cutting a large portion of the liner. Coordinates of the vertical delineation are provided in Attachment 4, page 11 of the attached report and here. Hole 1 – Lat. 32.30920 N, Long. -103.72719 W, Hole 2 – Lat. 32.30919 N, -103.72736 W. A deferral is requested under NMAC 19.15.29.12.C.2

☒ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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.

Name: Dale Woodall Title: Environment Professional

Signature: Dale Woodall Date: 5/2/2023

email: Dale.Woodall@dvn.com Telephone: 405 318 4697

OCD Only

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

Incident ID	nAPP2217833526
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.*

☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☒ 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)

☒ 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: Dale Woodall Title: Environment Professional

Signature: Dale Woodall Date: 5/2/2023

email: Dale.Woodall@dvn.com Telephone: 405 318 4697

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

From: Bratcher, Michael, EMNRD
To: Woodall, Dale
Cc: Hamlet, Robert, EMNRD
Subject: RE: [EXTERNAL] Request for extension - Tomb Raider 12 CTB 1; Incident # nAPP2217833526
Date: Thursday, October 6, 2022 9:54:14 AM

Mr. Woodall,

As per our conversation, you are approved for a 60 day extension with submittal now due 12/05/2022. Please try to get extension requests in before the submittal due date. On this one, it was 09/23/2022. Please include all correspondence in the closure report to insure inclusion in the project file.

Thank you,

Mike Bratcher ● Incident Supervisor
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave | Artesia, NM 88210
(575) 626-0857 | mike.bratcher@emnrd.nm.gov *NOTE NEW EMAIL ADDRESS*
http://www.emnrd.state.nm.us/OCD/

From: Woodall, Dale <Dale.Woodall@dvn.com>
Sent: Thursday, October 6, 2022 8:44 AM
To: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Cc: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Subject: RE: [EXTERNAL] Request for extension - Tomb Raider 12 CTB 1; Incident # nAPP2217833526

Yes sir. There was a breach in the liner that was repaired. Samples were collected, and per our consultant, we were requested to install a test boring. I am working on getting that coordinated.

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

From: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Sent: Thursday, October 6, 2022 8:43 AM

To: Woodall, Dale <Dale.Woodall@dvn.com>
Cc: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Subject: RE: [EXTERNAL] Request for extension - Tomb Raider 12 CTB 1; Incident # nAPP2217833526

Mr. Woodall,

I am unclear as to why you are asking for an extension to inspect the liner. Is the test boring being done because of discovery of a breach in the liner? Need a little more information.

Thanks,

Mike Bratcher ● Incident Supervisor
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave | Artesia, NM 88210
(575) 626-0857 | mike.bratcher@emnrd.nm.gov *NOTE NEW EMAIL ADDRESS*
http://www.emnrd.state.nm.us/OCD/

From: Woodall, Dale <Dale.Woodall@dvn.com>
Sent: Thursday, October 6, 2022 8:24 AM
To: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: [EXTERNAL] Request for extension - Tomb Raider 12 CTB 1; Incident # nAPP2217833526

I am requesting an extension for the liner inspection report for the spill at the Tomb Raider 12 CTB 1 (nAPP2217833526). We are scheduling a test boring for the site and when it is completed, the report will be submitted.

Please let me know if you have any questions or need additional information.

Dale Woodall
Environment Professional
205 E Bender Road
Hobbs, New Mexico 88420
Office: 575-748-1838
Mobile: 405-318-4697
Dale.Woodall@dvn.com

Woodall, Dale

From: Whitfield, Rafael
Sent: Saturday, November 19, 2022 11:57 AM
To: Woodall, Dale
Subject: RE: Holes in the liner at the Tomb Raider 12 CTB 1

I don't know if you've been informed, but these holes have been repaired.

From: Woodall, Dale <Dale.Woodall@dvn.com>
Sent: Wednesday, August 10, 2022 7:20 AM
To: Whitfield, Rafael <Rafael.Whitfield@dvn.com>; West, Christopher <Christopher.West@dvn.com>; Marquez, Alex <Alex.Marquez@dvn.com>; Savoie, Dustin <Dustin.Savoie@dvn.com>
Cc: Mathews, Wesley <Wesley.Mathews@dvn.com>; Maxwell, Sheldon (Contract) <Sheldon.Maxwell@dvn.com>
Subject: RE: Holes in the liner at the Tomb Raider 12 CTB 1

Please let me know when these repairs have been made.

Dale Woodall
Environment Professional
Artesia, NM
Office: 575-748-1838
Mobile: 405-318-4697
Dale.Woodall@dvn.com

From: Whitfield, Rafael <Rafael.Whitfield@dvn.com>
Sent: Tuesday, July 19, 2022 3:14 PM
To: West, Christopher <Christopher.West@dvn.com>; Woodall, Dale <Dale.Woodall@dvn.com>; Marquez, Alex <Alex.Marquez@dvn.com>
Cc: Mathews, Wesley <Wesley.Mathews@dvn.com>; Maxwell, Sheldon (Contract) <Sheldon.Maxwell@dvn.com>
Subject: Re: Holes in the liner at the Tomb Raider 12 CTB 1

M1 11709415 has been submitted

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From: West, Christopher <Christopher.West@dvn.com>
Sent: Tuesday, July 19, 2022 3:10:01 PM
To: Woodall, Dale <Dale.Woodall@dvn.com>; Marquez, Alex <Alex.Marquez@dvn.com>
Cc: Mathews, Wesley <Wesley.Mathews@dvn.com>; Maxwell, Sheldon (Contract) <Sheldon.Maxwell@dvn.com>; Whitfield, Rafael <Rafael.Whitfield@dvn.com>
Subject: RE: Holes in the liner at the Tomb Raider 12 CTB 1

Thanks Dale,

Adding Rafael and Sheldon to this to get the M1 submitted to have the liner repaired.

From: Woodall, Dale <Dale.Woodall@dvn.com>
Sent: Tuesday, July 19, 2022 2:32 PM
To: West, Christopher <Christopher.West@dvn.com>; Marquez, Alex <Alex.Marquez@dvn.com>

Cc: Mathews, Wesley <Wesley.Mathews@dvn.com>
Subject: Holes in the liner at the Tomb Raider 12 CTB 1

The consultant was doing a liner inspection at the Tomb Raider 12 CTB 1. He found two holes in the liner. They have been marked to make it easy to see.

Let me know if you have any questions.

Dale Woodall
Environment Professional
6488 Seven Rivers Highway
Artesia, New Mexico 88210
Office: 575-748-1838
Mobile: 405-318-4697
Dale.Woodall@dvn.com

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State of New Mexico
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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 363393

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 363393
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2217833526**
Incident Name	**NAPP2217833526 TOMB RAIDER 12-1 CTB 1 @ 0**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Closure Report Received**
Incident Facility	**[fAPP2123652397] TOMB RAIDER 12-1 CTB 1**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	TOMB RAIDER 12-1 CTB 1
Date Release Discovered	06/25/2022
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 | Valve | Produced Water | Released: 12 BBL | Recovered: 12 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 was called to investigate water around the WTP. LO found a pin hole on 8 inch wheel valve on the suction side of produced water transfer pumps. The transfer pumps were shut off. The valves on the water tanks were shut to isolate them. Vacuum truck called to recover fluids. Leak did not breach lined containment. Leak did not reach the pad. 12.49 bbls relased. 12 bbls recovered.

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QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 363393
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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	*Unavailable.*
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.	

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	*Not answered.*
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@dvn.com Date: 07/11/2024

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QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 363393
	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)	Between 1 and 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	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	45.3
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
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	06/24/2024
On what date will (or did) the final sampling or liner inspection occur	06/24/2024
On what date will (or was) the remediation complete(d)	06/24/2024
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
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 (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 363393
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
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.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	*Not answered.*
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	*Not answered.*
(In Situ) Soil Vapor Extraction	*Not answered.*
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	*Not answered.*
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	*Not answered.*
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	*Not answered.*
Ground Water Abatement pursuant to 19.15.30 NMAC	*Not answered.*
OTHER (Non-listed remedial process)	Yes
Other Non-listed Remedial Process. Please specify	analytical results were below state action levels
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 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@dvn.com Date: 07/11/2024

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 (continued)

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	Action Number: 363393
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 363393
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**356283**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**06/24/2024**
What was the (estimated) number of samples that were to be gathered	**14**
What was the sampling surface area in square feet	**3000**

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	**No**
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	0
What was the total volume (cubic yards) remediated	0
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	analytical results were below state action levels

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@dvn.com Date: 07/11/2024

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QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 363393
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 363393

CONDITIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	6137
	Action Number: 363393
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAPP2217833526 TOMB RAIDER 12-1 CTB 1, thank you. This Remediation Closure Report is approved.	7/30/2024