



Pima Environmental Services, LLC
1601 N. Turner Ste 500
Hobbs, NM 88240
575-964-7740

April 1st, 2021

NMOCD District 2
Mr. Mike Bratcher
811 S. First Street
Artesia, NM 88210

Bureau of Land Management
Mr. Jim Amos
620 East Green Street
Carlsbad, NM 88220

**Re: Liner Inspection and Closure Report
Boundary Raider 6 7 Fed Com #213H
(Incident Occurred at the Todd-Apache 6 CTB Facility)
API No. 30-025-44147
GPS: Latitude 32.339818 Longitude -103.720109
UL "D", Sec. 6, T23S, R32E
Lea County, NM
NMOCD Ref. No. NOY1809255038 (1RP-5005)**

Dear Mr. Bratcher and Mr. Amos,

Pima Environmental Services, LLC (Pima) has been contracted by Devon Energy Production Company (Devon) to perform a spill assessment and has prepared this Closure Report for a condensate/produced water release that occurred at the Boundary Raider 6 7 Fed Com #213H (Todd-Apache 6 CTB) (Boundary). The initial C-141 was submitted on March 29th, 2018 (Appendix B). This incident was assigned Incident ID NOY1809255038 (1RP-5005), by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The Boundary is located approximately thirty (30) miles east of Carlsbad, NM. This spill site is in Unit D, Section 6, Township 23S, Range 32E, Latitude 32.339818, Longitude -103.720109, Lea County, NM. Figure 1 references a location map.

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 639 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is 487 feet BGS. The closest waterway is a playa located approximately 12.34 miles to the west of this location. See Appendix A for referenced water surveys.

Release Information

NOY1809255038 (1RP-5005): On March 16th, 2018, a gas pocket hit the gun barrel tank forcing oil out of the vent valve, which caused fluid to release into the lined, secondary containment. The calculated fluid released was approximately 5.7 barrels (bbls). A vacuum truck was dispatched and recovered approximately 5.6 bbls.

Site Assessment and Liner Inspection

On March 5th, 2021 Pima Environmental conducted a liner inspection at this facility. The liner inspection form and photo documentation can be found in Appendix C.

On March 22nd, 2021 Pima Environmental returned to the site to collect composite samples of the area around the gun barrel tank. The composite sampling results can be seen in the following table.

3-22-21 Sample Results Table

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY BOUNDARY RAIDER 6 7 FED COM #213H								
Sample Date 3-22-2021		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
S-1 (NComp)	0-6	ND	ND	ND	ND	ND	0	16
S-2 (Ecomp)	0-6	ND	ND	ND	ND	ND	0	32

ND – No Analyte Detected

Closure Request

After careful review, Pima requests that this incident, NOY1809255038 (1RP-5005), be closed. Devon has complied with the applicable closure requirements set forth in rule 19.15.19.12 NMAC.

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

Respectfully,



Tom Bynum
Environmental Project Manager
Pima Environmental Services, LLC

Attachments

Figures:

- 1- Location Map
- 2- Site Map

Appendices:

- Appendix A – Referenced Water Surveys
- Appendix B – C-141s
- Appendix C – Liner Inspection & Photo Documentation
- Appendix D – Laboratory Reports



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Figures:

1-Location Map

2-Site Map

Todd-Apache 6 CTB

Devon Energy
Boundary Raider 6 7 Fed Com 213H
Lea County, NM
Location Map

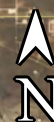
Legend

● Todd-Apache 6 CTB

Todd-Apache 6 CTB

Google Earth

10 mi



Boundary Raider 6 7 Fed Com 213H

Devon Energy
API #30-025-44147
Lea County, NM
Release occurred at Todd-Apache 6 CTB
Site Map

Legend

- Composite Samples
- East Containment
- Gun Barrel Tank

32.339818, -103.720109

S-1
Gun Barrel Tank CS-2

Todd-Apache 6 CTB

Google Earth

© 2021 Google
Released to Imaging: 7/13/2021 1:47:56 PM

400 ft





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Appendix A

Water Surveys:

OSE

USGS



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,
O=orphaned,
C=the file is closed)

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
C_02756		CUB	ED	3	4	4	26	22S	31E	618250	3580606*	2832	1998		
C_03152		CUB	ED	3	4	4	26	22S	31E	618250	3580606*	2832	938		
C_03138		CUB	ED	3	3	3	26	22S	31E	617043	3580591*	3838	750		
C_02939		C	LE	3	3	1	19	22S	32E	620234	3583042*	4225	280		
C_02777		CUB	ED	4	4	4	10	23S	31E	616974	3575662	4697	890		
C_03749 POD1		CUB	ED		2	2	15	23S	31E	616974	3575662	4697	865	639	226
C_02773		CUB	ED	4	1	3	03	23S	31E	615668	3577762*	4897	880		
C_02769 POD2		CUB	ED	4	2	4	33	22S	31E	615261	3579312	5212	753	428	325
C_02687		CUB	ED	4	2	4	33	22S	31E	615246	3579364*	5231	779		
C_02769		CUB	ED	2	2	4	33	22S	31E	615246	3579564*	5256	765		
C_03140		CUB	ED	4	2	4	04	23S	31E	615266	3577758*	5291	684		
C_02349		CUB	ED		2	3	03	23S	32E	625678	3578004*	5291	525		
C_02757		CUB	ED	4	4	4	28	22S	31E	615232	3580571*	5503	4057		
C_03150		CUB	ED	2	4	4	14	22S	31E	618412	3584025*	5587	981		
C_03351		C	ED	4	1	4	04	23S	31E	614917	3577861	5615	320	168	152
C_02767		CUB	ED	4	1	4	33	22S	31E	614844	3579360*	5631	785		
C_02768		CUB	ED	4	1	4	33	22S	31E	614844	3579360*	5631	787		
C_02416		CUB	ED	3	2	4	28	22S	31E	615027	3580973*	5833	800	401	399

Average Depth to Water: **409 feet**

Minimum Depth: **168 feet**

Maximum Depth: **639 feet**

Record Count: 18

UTMNAD83 Radius Search (in meters):

Easting (X): 620449.73

Northing (Y): 3578822.11

Radius: 6000

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

2/15/21 2:48 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER



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National Water Information System: Web Interface

USGS Water Resources

Data Category:


Groundwater

Geographic Area:

United States

GO

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- [Full News](#) 

Groundwater levels for the Nation

* IMPORTANT: [Next Generation Station Page](#)

Search Results -- 1 sites found

site_no list =

- 321952103400801

Minimum number of levels = 1

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

USGS 321952103400801 23S.32E.03.311114

Available data for this site

Groundwater: Field measurements

GO

Lea County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°19'59.2", Longitude 103°40'12.6" NAD83

Land-surface elevation 3,648.00 feet above NGVD29

The depth of the well is 630 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.

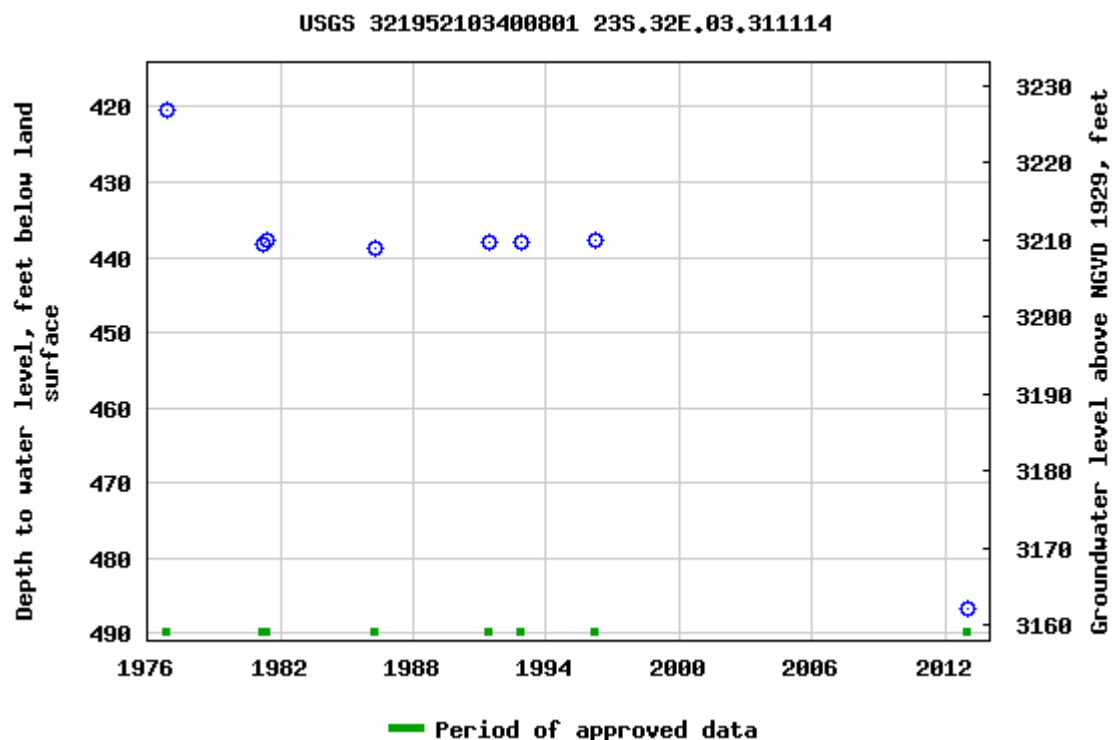
Output formats

[Table of data](#)

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Breaks in the plot represent a gap of at least one year between field measurements.
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Title: Groundwater for USA: Water Levels

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

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

Page Last Modified: 2021-02-15 16:52:08 EST

0.9 0.67 nadww01





USGS Home
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National Water Information System: Web Interface

USGS Water Resources

Data Category:


Groundwater

Geographic Area:

United States

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Groundwater levels for the Nation

* IMPORTANT: [Next Generation Station Page](#)

Search Results -- 1 sites found

site_no list =

- 321950103400601

Minimum number of levels = 1

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

USGS 321950103400601 23S.32E.03.31110

Available data for this site

Groundwater: Field measurements

GO

Lea County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°19'50", Longitude 103°40'06" NAD27

Land-surface elevation 3,668 feet above NAVD88

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

This well is completed in the Chinle Formation (231CHNL) local aquifer.

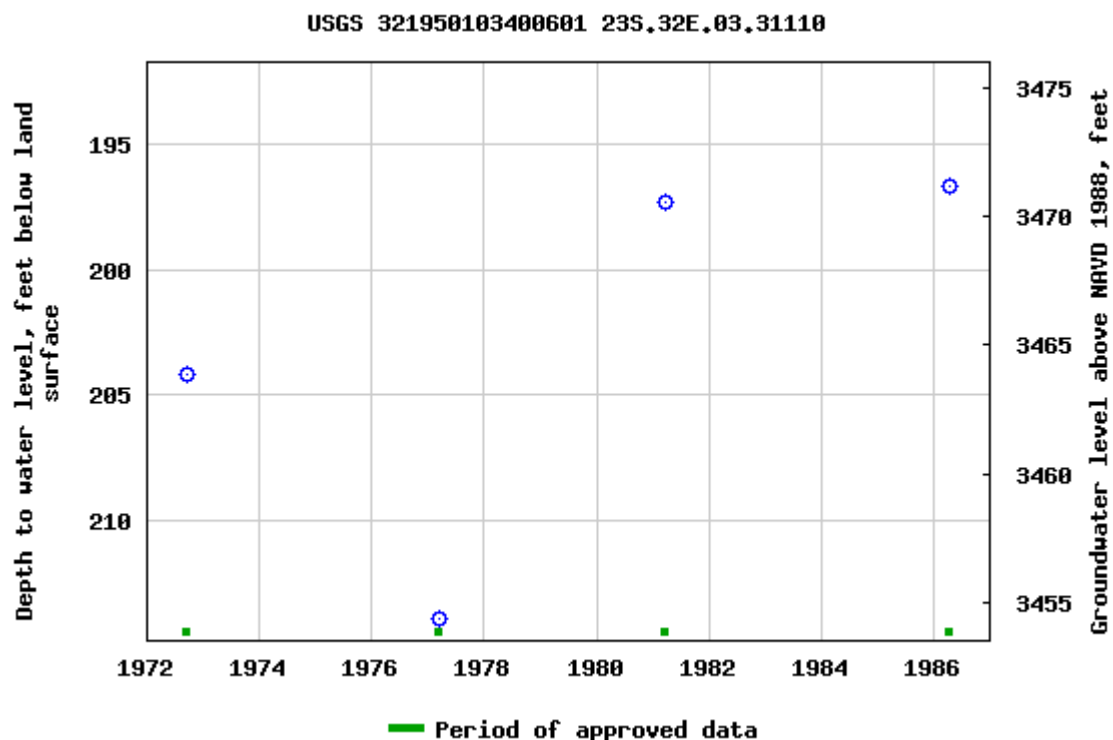
Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

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Breaks in the plot represent a gap of at least one year between field measurements.

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Title: Groundwater for USA: Water Levels

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

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

Page Last Modified: 2021-02-15 16:53:09 EST

0.64 0.58 nadww01





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Appendix B

C-141s:

Initial

Final

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
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised April 3, 2017

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company Devon Energy Production Company	Contact Merle Lewis
Address 6488 Seven Rivers Hwy Artesia, NM 88210	Telephone No. 575-748-3371
Facility Name Boundary Raider 6 7 Federal Com 213H (release occurred at the Todd Apache 6 CTB)	Facility Type CTB

Surface Owner Federal	Mineral Owner Federal	API No. 30-025-44147
-----------------------	-----------------------	----------------------

LOCATION OF RELEASE

Unit Letter D	Section 6	Township 23S	Range 32E	Feet from the	North/South Line	Feet from the	East/West Line	County Lea
------------------	--------------	-----------------	--------------	---------------	------------------	---------------	----------------	---------------

Latitude 32.339818 Longitude 103.720109 NAD83

NATURE OF RELEASE

Type of Release Oil	Volume of Release 5.7 bbls	Volume Recovered 5.6 bbls
Source of Release Gun barrel	Date and Hour of Occurrence March 16, 2018 3:00 AM MST	Date and Hour of Discovery March 16, 2018 3:00 AM MST
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	Via C141	
By Whom? Mike Shoemaker-EHS Representative	Date and Hour N/A	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. N/A	
If a Watercourse was Impacted, Describe Fully.* N/A	<div style="border: 2px solid blue; border-radius: 10px; padding: 10px; text-align: center;"> RECEIVED <i>By Olivia Yu at 3:10 pm, Apr 02, 2018</i> </div>	
Describe Cause of Problem and Remedial Action Taken.* Gas pocket hit gun barrel forcing oil out the vent valve. No dumps were found. The water dump was shut in to prevent any further release.		
Describe Area Affected and Cleanup Action Taken.* Approximately 5.7 BBLS of oil was released from the gun barrel. A vacuum truck was dispatched and recovered approximately 5.6 BBLS of oil. A portion of this release landed inside the containment and a portion affected the well pad. All fluids stayed on location.		

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature: <i>Michael Shoemaker</i>		<u>OIL CONSERVATION DIVISION</u>	
Printed Name: Michael Shoemaker		Approved by Environmental Specialist: <i>dy</i>	
Title: Environmental Professional		Approval Date: 4/2/2018	Expiration Date:
E-mail Address: mike.shoemaker@dv.com		Conditions of Approval:	Attached <input checked="" type="checkbox"/>
Date: 03/29/18 Phone: 575.748.3371		<div style="border: 2px solid red; padding: 5px;"> 1) Please inspect liner in question. Provide NMOCD with a concise report of the inspection with affirmation the liner has and will continue to contain liquids. 2) Laboratory analyses of confirmatory soil samples from impacted area on location. </div>	
* Attach Additional Sheets If Necessary			

nOY1809255038

pOY1809255230

1RP-5005

Todd Apache 6 CTB 1

5.7 BBL Oil_3.16.2018



This map is for illustrative purposes only and is neither a legally recorded map nor survey and is not intended to be used as one. Devon makes no warranty, representation, or guarantee of any kind regarding this map.

WGS_1984_Web_Mercator_Auxiliary_Sphere
Prepared by: Michael Shoemaker
Map is current as of: 29-Mar-2018



Miles

0 0.00 0.01 0.02 1:889

S6, R23S, R32E

5.7 BBLS Oil

Incident ID	NOY1809255038
District RP	1RP-5005
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?	<u>>100'</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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.*

- ☒ 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 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.

Incident ID	NOY1809255038
District RP	1RP-5005
Facility ID	
Application ID	

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

Printed Name: Lupe Carrasco Title: EHS Professional

Signature: Lupe Carrasco Date: 4/1/2021

email: lupe.carrasco@dvn.com Telephone: 575-725-0787

OCD Only

Received by: _____ Date: _____

Incident ID	NOY1809255038
District RP	1RP-5005
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: Lupe Carrasco Title: EHS Professional
Signature: Lupe Carrasco Date: 4/1/2021
email: lupe.carrasco@dvn.com Telephone: 575-725-0787

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: _____



Pima Environmental Services

Appendix C

Liner Inspection Form

Photographic Documentation



Pima Environmental Services, LLC


Liner Inspection FormCompany Name: Devon EnergySite: Boundary Raider 6 7 Fed Com 213H (Todd-Apache 6 CTB)Lat/Long: 32.339818, -103.720109NMOCD Incident ID
& Incident Date: NOY1809255038 (1RP-5005) -- 3/16/20182-Day Notification
Sent: March 3rd, 2021Inspection Date: March 5th, 2021

Liner Type: Earthen w/liner Earthen no liner Polystar

Steel w/poly liner Steel w/spray epoxy No Liner

Other: _____

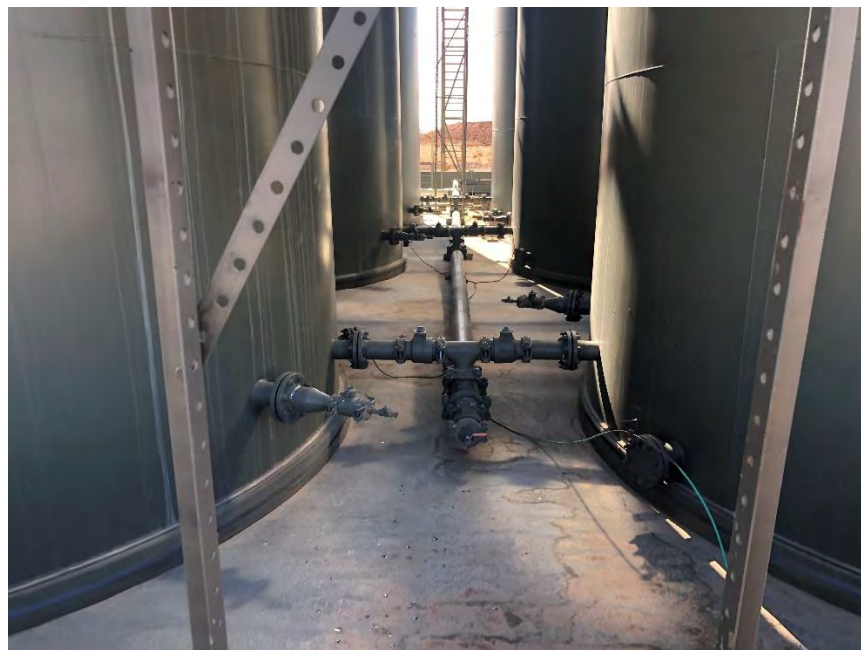
Visualization	Yes	No	Comments
Is there a tear in the liner?		×	
Are there holes in the liner?		×	
Is the liner retaining any fluids?		×	
Does the liner have integrity to contain a leak?	×		

Comments: 2 liner locations on site, east side and west sideInspector Name: Robert Carper Inspector Signature: 



SITE PHOTOGRAPHS
SPUR ENERGY PARTNERS
BOUNDARY RAIDER 6 7 FED COM #213H

Liner Inspection Photographs















Pima Environmental Services

Appendix D

Laboratory Reports



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

March 29, 2021

TOM BYNUM

PIMA ENVIROMENTAL

1601 N TURNER STE. 500

HOBBS, NM 88240

RE: TODD APACHE 6 CTB1

Enclosed are the results of analyses for samples received by the laboratory on 03/25/21 13:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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 accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
TOM BYNUM
1601 N TURNER STE. 500
HOBBS NM, 88240
Fax To:

Received: 03/25/2021
Reported: 03/29/2021
Project Name: TODD APACHE 6 CTB1
Project Number: NONE GIVEN
Project Location: DEVON - EDDY CO NM

Sampling Date: 03/22/2021
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 1 (H210756-01)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/26/2021	ND	2.06	103	2.00	6.37	
Toluene*	<0.050	0.050	03/26/2021	ND	2.01	101	2.00	6.35	
Ethylbenzene*	<0.050	0.050	03/26/2021	ND	1.94	97.1	2.00	6.56	
Total Xylenes*	<0.150	0.150	03/26/2021	ND	5.74	95.6	6.00	6.17	
Total BTX	<0.300	0.300	03/26/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 73.3-129

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	03/26/2021	ND	416	104	400	3.77		

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	03/26/2021	ND	219	109	200	4.08	
DRO >C10-C28*	<10.0	10.0	03/26/2021	ND	226	113	200	3.93	
EXT DRO >C28-C36	<10.0	10.0	03/26/2021	ND					

Surrogate: 1-Chlorooctane 86.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 78.7 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PIMA ENVIROMENTAL
TOM BYNUM
1601 N TURNER STE. 500
HOBBS NM, 88240
Fax To:

Received: 03/25/2021
Reported: 03/29/2021
Project Name: TODD APACHE 6 CTB1
Project Number: NONE GIVEN
Project Location: DEVON - EDDY CO NM

Sampling Date: 03/22/2021
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 2 (H210756-02)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/26/2021	ND	2.06	103	2.00	6.37	
Toluene*	<0.050	0.050	03/26/2021	ND	2.01	101	2.00	6.35	
Ethylbenzene*	<0.050	0.050	03/26/2021	ND	1.94	97.1	2.00	6.56	
Total Xylenes*	<0.150	0.150	03/26/2021	ND	5.74	95.6	6.00	6.17	
Total BTX	<0.300	0.300	03/26/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500CI-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	03/26/2021	ND	416	104	400	3.77	

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	03/26/2021	ND	219	109	200	4.08	
DRO >C10-C28*	<10.0	10.0	03/26/2021	ND	226	113	200	3.93	
EXT DRO >C28-C36	<10.0	10.0	03/26/2021	ND					

Surrogate: 1-Chlorooctane 84.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 78.9 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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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

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Pima Environment</u>		BILL TO		ANALYSIS REQUEST																					
Project Manager: <u>Tom Jones</u>		P.O. #:		<div style="display: flex; justify-content: space-around;"> <div>TPH ext</div> <div>BTEX</div> <div>Chloride</div> </div>																					
Address: <u>1601 Turner Ste 500</u>		Company: <u>Devon</u>																							
City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88240</u>		Attn: <u>Wes Mathews</u>																							
Phone #: <u>580-748-1613</u> Fax #:		Address:																							
Project #: _____ Project Owner: <u>Devon</u>		City:																							
Project Name: <u>Todd APACHE 6 CTBI</u>		State: _____ Zip: _____																							
Project Location: <u>Eddy</u>		Phone #:																							
Sampler Name: <u>Robert Cooper</u>		Fax #:																							
FOR LAB USE ONLY																									
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX				PRESERV.	SAMPLING																
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME											
<u>H210756</u>	<u>S-1</u>	<u>C</u>				<u>X</u>				<u>L</u>			<u>3-22-21</u>	<u>13:05</u>	<u>X</u>	<u>L</u>	<u>L</u>								
<u>2</u>	<u>S-2</u>	<u>C</u>				<u>L</u>				<u>L</u>			<u>3-22-21</u>	<u>13:20</u>	<u>L</u>	<u>L</u>	<u>X</u>								

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Relinquished By: <u>[Signature]</u>	Date: <u>3-24-21</u>	Received By: <u>[Signature]</u>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Time: <u>1:10</u>			All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS:
Time:			
Delivered By: (Circle One)	Observed Temp. °C <u>4.3</u>	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) <u>JO</u>
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No
Thermometer ID #113 Correction Factor None		Observed Temp. °C Corrected Temp. °C	

FORM-006 R 3.1 06/04/20

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

Incident ID	NOY1809255038
District RP	1RP-5005
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: Lupe Carrasco Title: EHS Professional
Signature: Lupe Carrasco Date: 4/1/2021
email: lupe.carrasco@dvn.com Telephone: 575-725-0787

OCD Only

Received by: Robert Hamlet Date: 7/13/2021

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: Robert Hamlet Date: 7/13/2021
Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 22801

CONDITIONS

Operator: Pima Environmental Services, LLC 1601 N. Turner Hobbs, NM 88240	OGRID: 329999
	Action Number: 22801
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NOY1809255038 BOUNDARY RAIDER 6 7 FEDERAL COM 213H, thank you. This closure is approved.	7/13/2021