



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

May 25<sup>th</sup>, 2021

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

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

**RE: Liner Inspection and Closure Report  
Mizar 11 Federal Com #001H  
API No. 30-015-41964  
GPS: Latitude 32.68198 Longitude -103.84817  
UL "D", Section 11, Township 19S, Range 31E  
NMOCD Reference No. NAB1803054013 (2RP-4592)  
Pima Project No.: 1-63**

Dear Mr. Amos and Mr. Bratcher,

Pima Environmental Services, LLC (Pima) has been contracted by Devon Energy Production Company (Devon) to perform a liner inspection and prepare this closure report for a release that happened on the Mizar 11 Federal Com #001H (Mizar). An initial C141 was submitted on January 18<sup>th</sup>, 2018, and can be found in Appendix B. This incident was assigned Incident ID NAB1803054013 (2RP-4592), by the New Mexico Oil Conservation Division (NMOCD).

#### **Site Information and Site Characterization**

The Mizar is located approximately twelve (12) miles southeast of Loco Hills, NM. This spill site is in Unit D, Section 11, Township 19S, Range 31E, Latitude 32.68198, Longitude -103.84817, Eddy County, NM.

Based upon New Mexico Office of the State Engineer well water data, depth to the nearest groundwater in this area is 102 feet below grade surface (BGS). According to the United States Geological Survey well water data, depth to the nearest groundwater in this area is greater than 100 feet BGS. See Appendix A for referenced water surveys. The Mizar is in a low karst area.

#### **Release Information**

**NAB1803054013 (2RP-4592):** On January 16<sup>th</sup>, 2018, the battery was in lease kill and the lease operator did not arrive in time and the water tank was running over with oil into the lined SPCC containment ring because a valve on the FWKO was closed. The valve was opened, and the pump was reset to begin transferring fluids. Approximately 5.6 barrels (bbls) of crude oil was released from the tank. A vacuum truck was dispatched and recovered approximately 5.6 bbls of fluid from the lined SPCC containment ring. All released fluid remained on pad and inside the lined containment. Once fluids were removed the liner was visually inspected by Devon field staff for any pinholes or punctures and none were found. Based on this inspection there is no evidence that the spilled fluids left containment.

### **Site Assessment and Liner Inspection**

On May 21<sup>st</sup>, 2021, after sending the 48-hour notification email, Pima Environmental conducted a liner inspection at this location. The liner inspection form and photographic documentation can be found in Appendix C.

### **Closure Request**

After careful review, Pima requests that this incident, NAB1803054013 (2RP-4592), be closed. Devon has complied with the applicable closure requirements.

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

Respectfully,



Tom Bynum  
Environmental Project Manager  
Pima Environmental Services, LLC

### **Attachments**

Figures:

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

Appendices:

- Appendix A- Referenced Water Surveys
- Appendix B- C-141s
- Appendix C- Liner Inspection Form & Photographic Documentation



Pima Environmental Services

**Figures:**

1-Location Map

2-Topo Map

3-Karst Map

4-Site Map

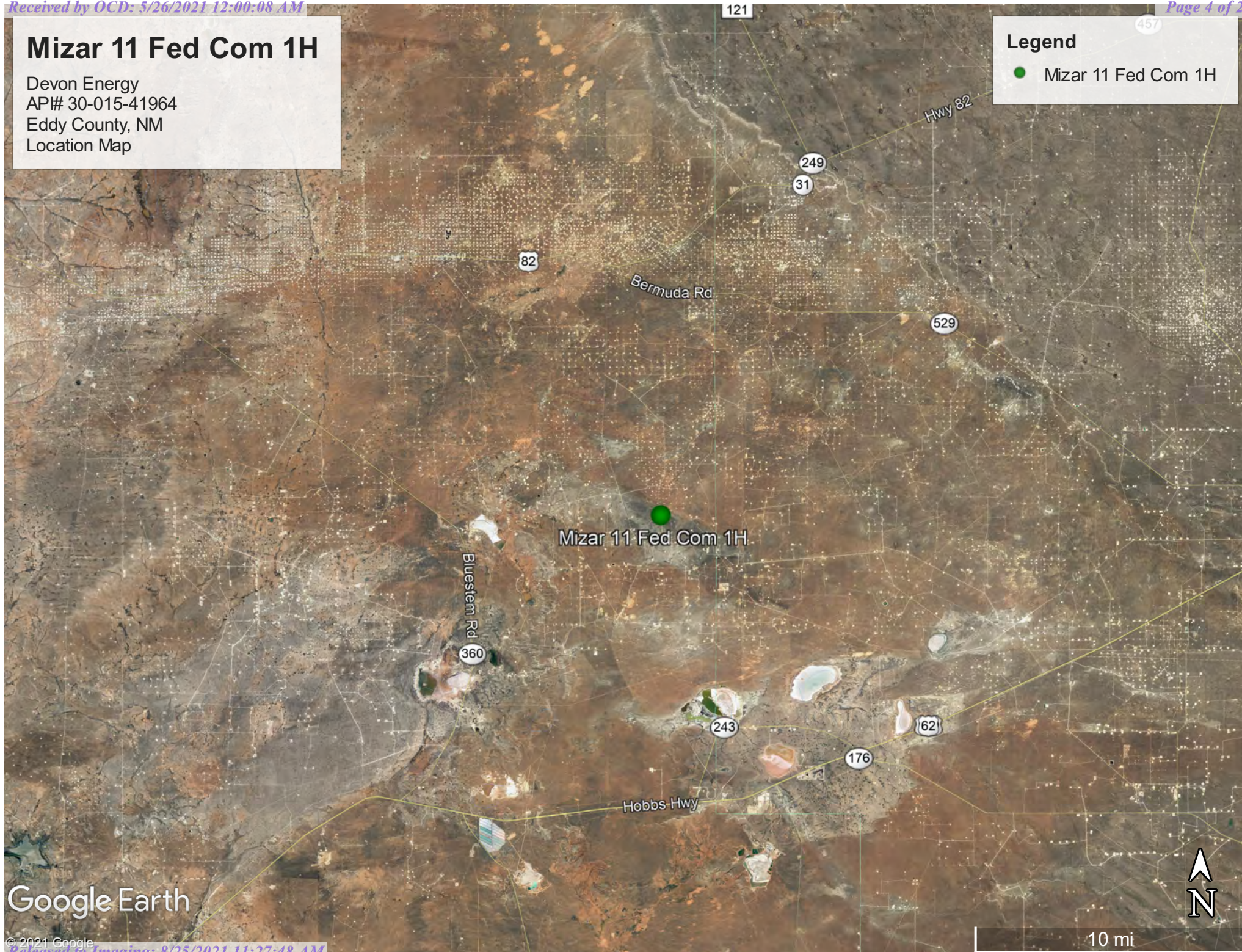


# Mizar 11 Fed Com 1H

Devon Energy  
API# 30-015-41964  
Eddy County, NM  
Location Map

## Legend

● Mizar 11 Fed Com 1H



Google Earth

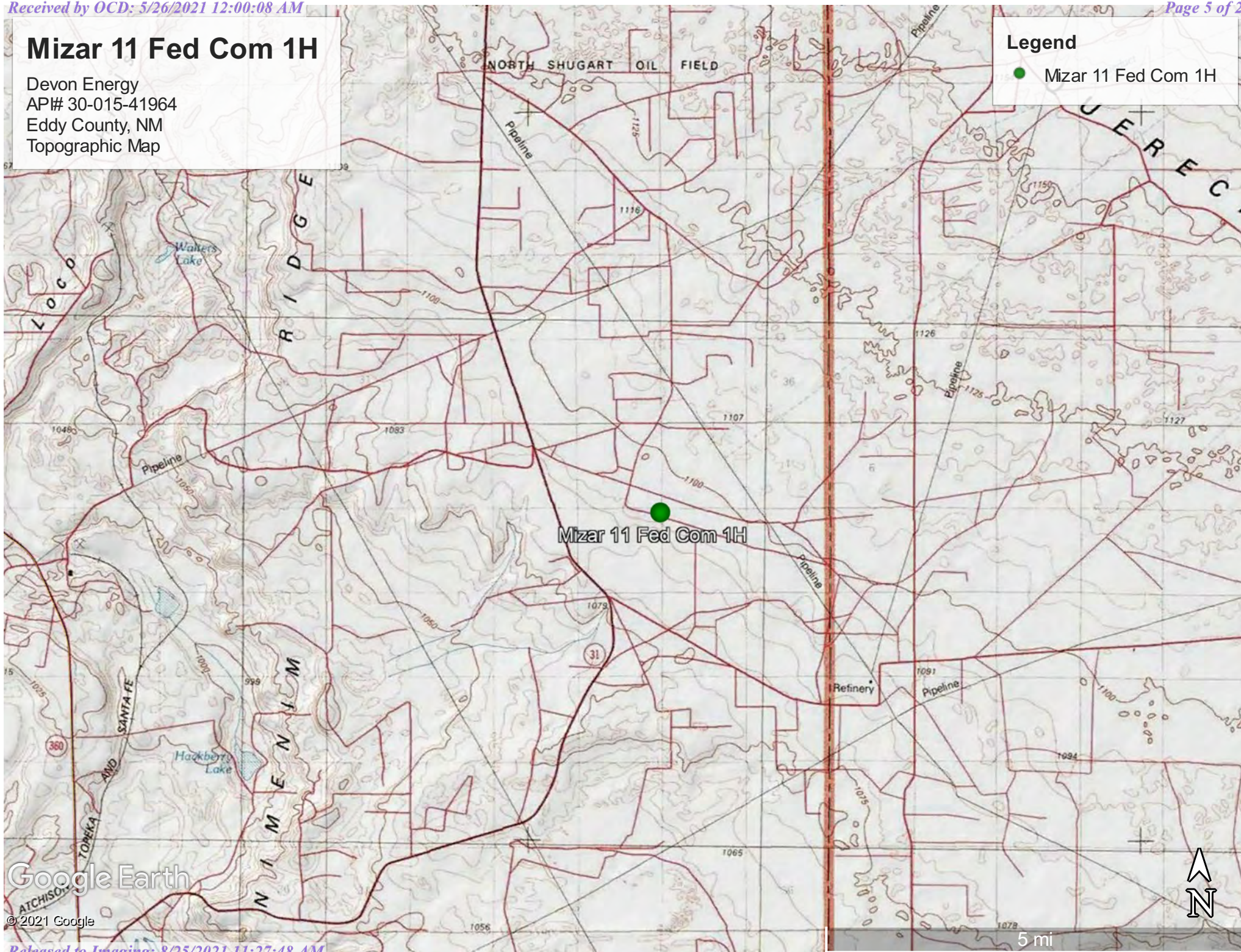


# Mizar 11 Fed Com 1H

Devon Energy  
API# 30-015-41964  
Eddy County, NM  
Topographic Map

## Legend

● Mizar 11 Fed Com 1H





# Mizar 11 Fed Com 1H

Devon Energy  
API# 30-015-41964  
Eddy County, NM  
Karst Map

**Legend**

- High Karst
- Low Karst
- Medium Karst



Google Earth




5 mi

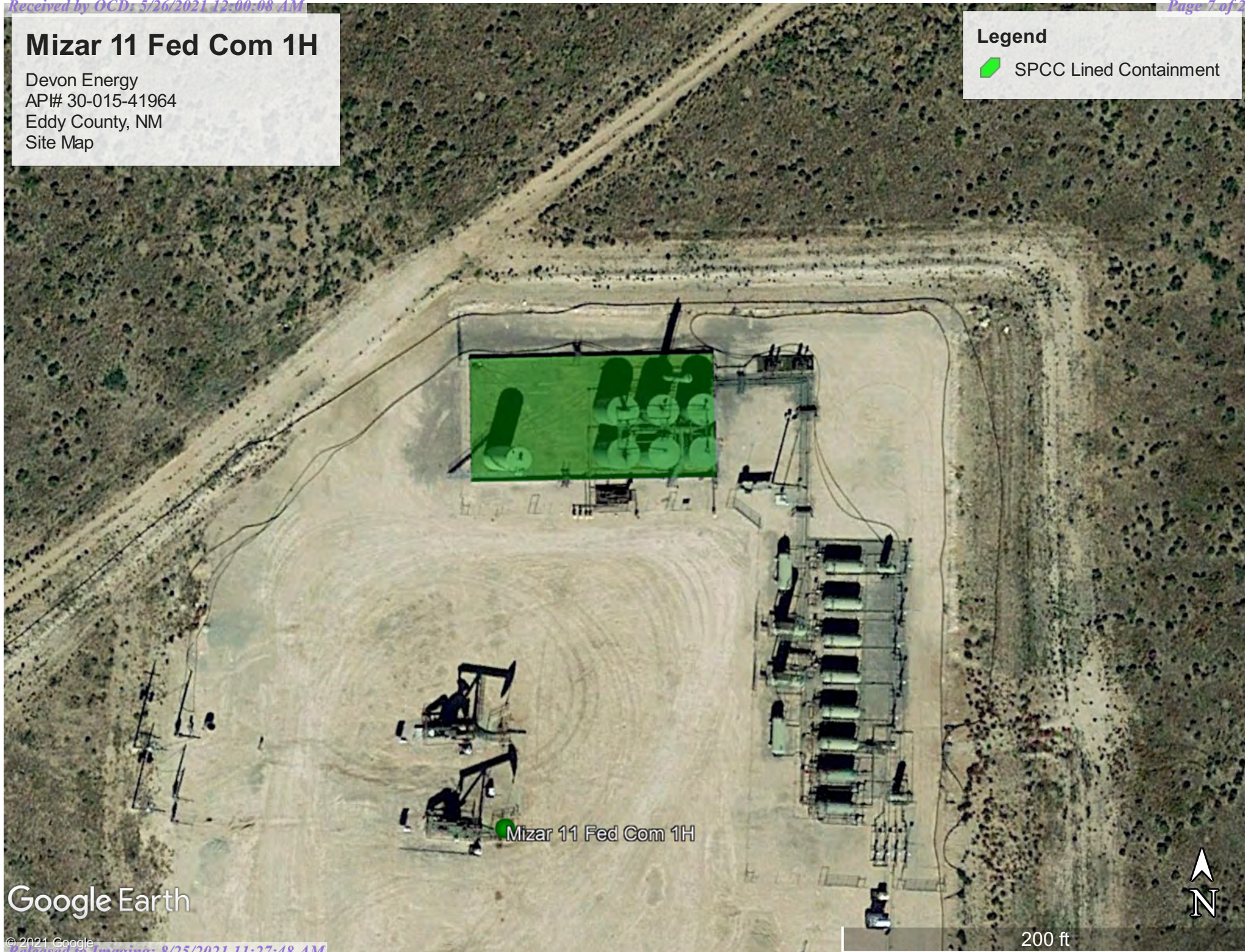


# Mizar 11 Fed Com 1H

Devon Energy  
API# 30-015-41964  
Eddy County, NM  
Site Map

## Legend

 SPCC Lined Containment



Google Earth





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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	Depth	Well	Depth	Water Column
<a href="#">CP 00849 POD1</a>		CP	LE	3	1	3	35	18S	31E	608012	3618757*	2190		300		
<a href="#">CP 00829 POD1</a>		CP	LE		2	4	16	19S	31E	606165	3614009*	3123		120		
<a href="#">CP 01554 POD1</a>		CP	LE	2	2	1	22	19S	31E	607166	3613354	3308		400		
<a href="#">CP 01554 POD2</a>		CP	LE	2	2	1	22	19S	31E	607165	3613322	3340		400		
<a href="#">CP 00563 POD1</a>		CP	LE	1	1	2	19	19S	32E	612118	3613376*	5244		300		
<a href="#">CP 00640 POD1</a>		CP	LE		2	2	19	19S	32E	612621	3613280*	5706		260	102	158
<a href="#">CP 00642 POD1</a>		CP	ED		2	2	25	19S	31E	611025	3611657*	5790		250		

Average Depth to Water: **102 feet**

Minimum Depth: **102 feet**

Maximum Depth: **102 feet**

**Record Count:** 7

**UTM NAD83 Radius Search (in meters):**

**Easting (X):** 607956

**Northing (Y):** 3616567.44

**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 3:27 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER





[USGS Home](#)  
[Contact USGS](#)  
[Search USGS](#)

## National Water Information System: Web Interface

USGS Water Resources

Data Category:


Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

- [Introducing The Next Generation of USGS Water Data for the Nation](#)
- [Full News](#) 

Groundwater levels for the Nation

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

## Search Results -- 1 sites found

site\_no list =

- 323810103511401

Minimum number of levels = 1

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

## USGS 323810103511401 19S.31E.27.214121

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°38'10", Longitude 103°51'14" NAD27

Land-surface elevation 3,480 feet above NGVD29

The depth of the well is 210.00 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

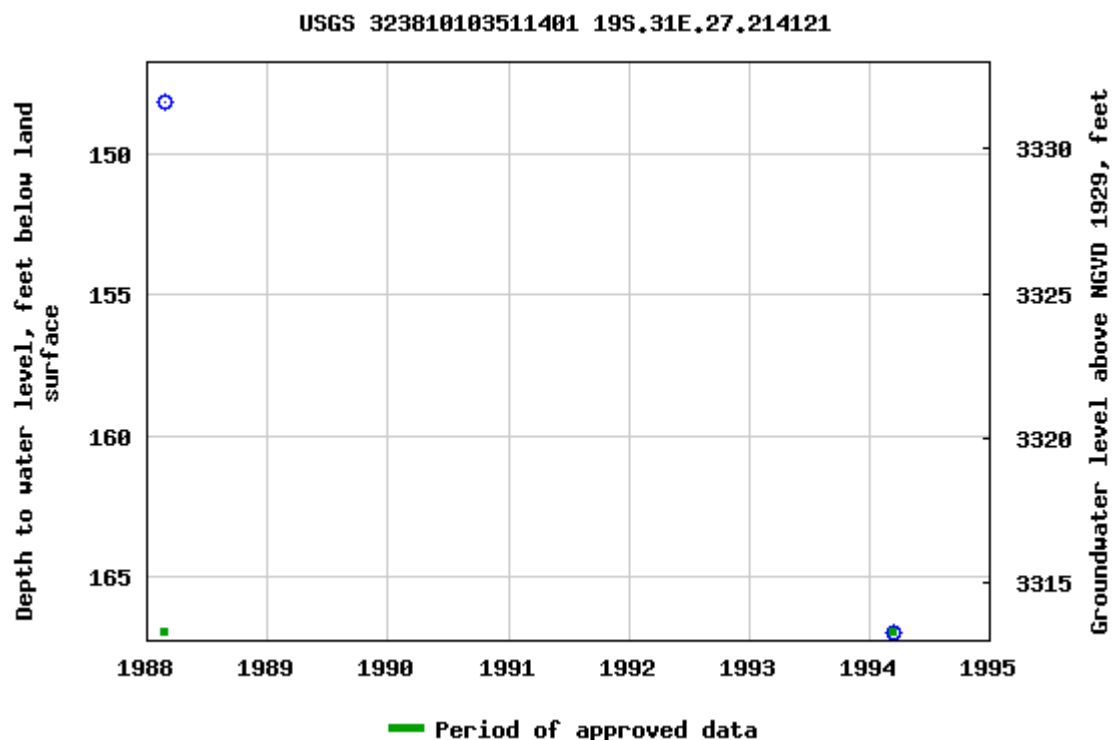
[Table of data](#)

[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 about sites/data?](#)

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[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)

**Title: Groundwater for USA: Water Levels**

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

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

Page Last Modified: 2021-02-15 17:29:00 EST

0.68 0.6 nadww02







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## **Appendix B**

C-141's:

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

## NM OIL CONSERVATION

ARTESIA DISTRICT

Form C-141  
Revised April 3, 2017

JAN 30 2018

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

RECEIVED

## Release Notification and Corrective Action

NAB1808054013

## OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	Devon Energy Production Company	Contact	Wesley Ryan
Address	6488 Seven Rivers Hwy Artesia, NM 88210	Telephone No.	575-390-5436
Facility Name	Mizar 11 Fed Com 1H	Facility Type	Oil

Surface Owner	Federal	Mineral Owner	Federal	API No.	30-015-41964
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## LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	11	19S	31E					Eddy

Latitude 32.68198 Longitude 103.84817 NAD83

## NATURE OF RELEASE

Type of Release	Oil	Volume of Release	5.6 BBLs	Volume Recovered	5.6 BBLs
Source of Release	Oil tank	Date and Hour of Occurrence	January 16, 2018 12:30 PM MST	Date and Hour of Discovery	January 16, 2018 12:30 PM MST
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	BLM- Shelly Tucker & OCD-Mike Bratcher, Crystal Weaver		
By Whom?	Mike Shoemaker	Date and Hour	January 17, 2018 10:23 AM MST		
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

## Describe Cause of Problem and Remedial Action Taken.\*

The battery was in lease kill and the lease operator did not arrive in time and the water tank was running over with oil into the lined SPCC containment ring because a valve on the FWKO was closed. The valve was opened and the pump was reset to begin transferring fluids.

## Describe Area Affected and Cleanup Action Taken.\*

Approximately 5.6 BBLs of Oil was released from the water tank. A vacuum truck was dispatched and recovered approximately 5.6 BBLs of Oil from the lined SPCC containment ring. All released fluid remained on pad and inside the lined containment. Once fluids were removed the liner was visually inspected by Devon field staff for any pinholes or punctures and none were found. Based on this inspection there is no evidence that the spill fluids left containment.

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: <u>Jennifer Reyna</u>		OIL CONSERVATION DIVISION	
Printed Name: Jennifer Reyna		Approved by Environmental Specialist <u>[Signature]</u>	
Title: Field Admin Support	Approval Date: <u>1/30/18</u>	Expiration Date: <u>N/A</u>	
E-mail Address: Jennifer.Reyna@dmv.com	Conditions of Approval: <u>See attached</u>		Attached <input type="checkbox"/> <u>2RP-4592</u>
Date: 1/18/2018	Phone: 575.746.5588		

\* Attach Additional Sheets If Necessary



Incident ID	NAB1803054013
District RP	2RP-4592
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>&gt;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 <b>not</b> 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.

## Oil Conservation Division

Incident ID	NAB1803054013
District RP	2RP-4592
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: Wes Mathews Title: EHS Professional

Signature: Wesley Mathews Date: 5/25/2021

email: wesley.mathews@dm.com Telephone: 575-513-8608

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_



Incident ID	NAB1803054013
District RP	2RP-4592
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: Wes Mathews Title: EHS Professional

Signature: Wesley Mathews Date: 5/25/2021

email: wesley.mathews@dvn.com Telephone: 575-513-8608

### 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 Form**Company Name: Devon EnergySite: Mizar 11 Fed Com 1HLat/Long: 32.68198, -103.84817NMOCD Incident ID  
& Incident Date: NAB1803054013 (2RP-4592) -- 1/16/20182-Day Notification  
Sent: via email by Tom Bynum on 5/19/21Inspection Date: 5/21/2021

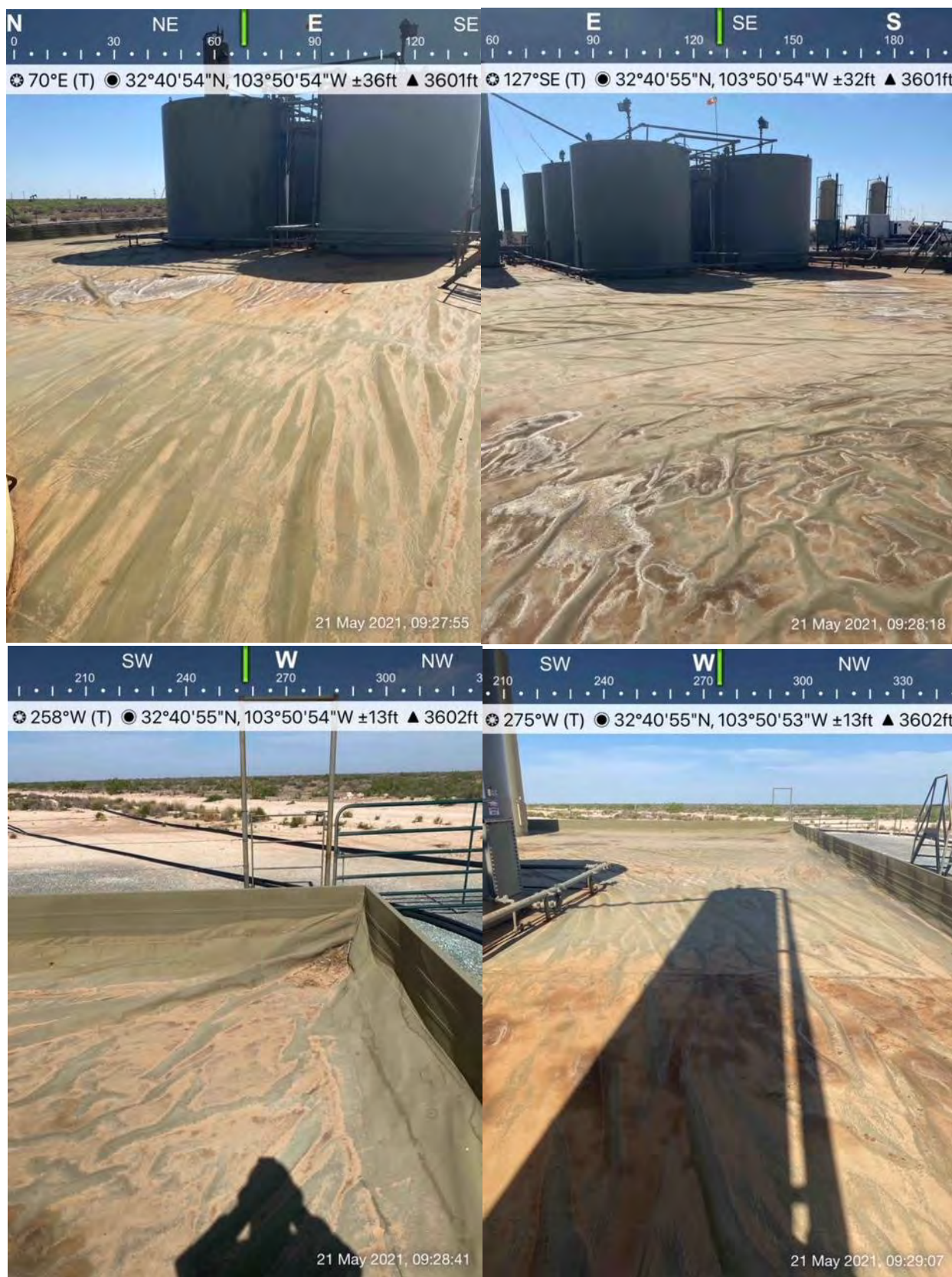
Liner Type:      Earthen w/liner      Earthen no liner      Polystar  
                         Steel w/poly liner      Steel w/spray epoxy      No Liner

Other: \_\_\_\_\_

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

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

Inspector Name: Sebastian Orozco Inspector Signature: 















Incident ID	NAB1803054013
District RP	2RP-4592
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: Wes Mathews Title: EHS Professional  
Signature: Wesley Mathews Date: 5/25/2021  
email: wesley.mathews@dvn.com Telephone: 575-513-8608

**OCD Only**

Received by: Robert Hamlet Date: 8/25/2021

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: 8/25/2021  
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 29491

CONDITIONS

Operator: Pima Environmental Services, LLC 1601 N. Turner Hobbs, NM 88240	OGRID: 329999
	Action Number: 29491
	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 #NAB1803054013 MIZAR 11 FED COM 1H, thank you. This closure is approved.	8/25/2021