



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

May 25th, 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 18th, 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 16th, 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 21st, 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.

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

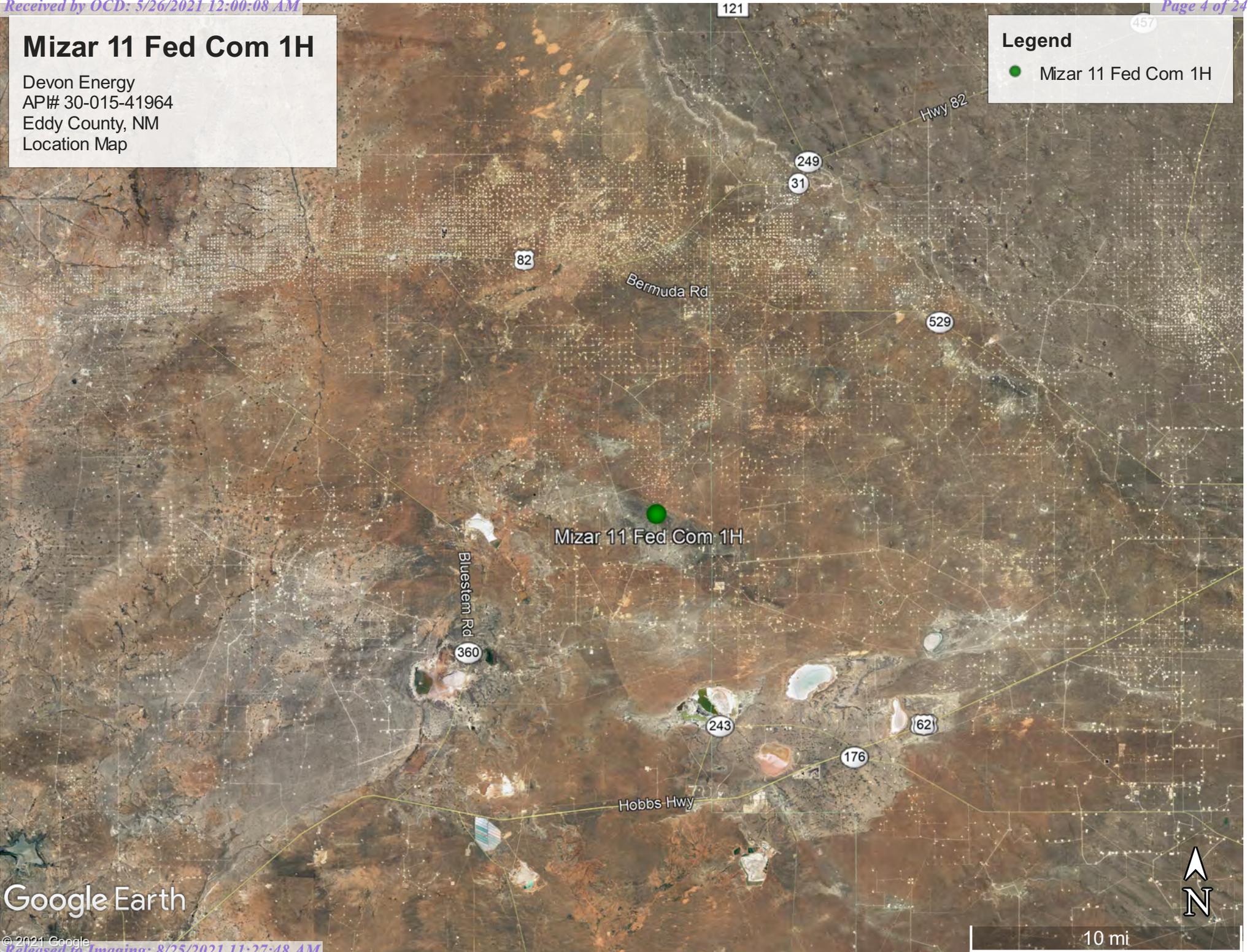
4-Site Map

Mizar 11 Fed Com 1H

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

Legend

- Mizar 11 Fed Com 1H



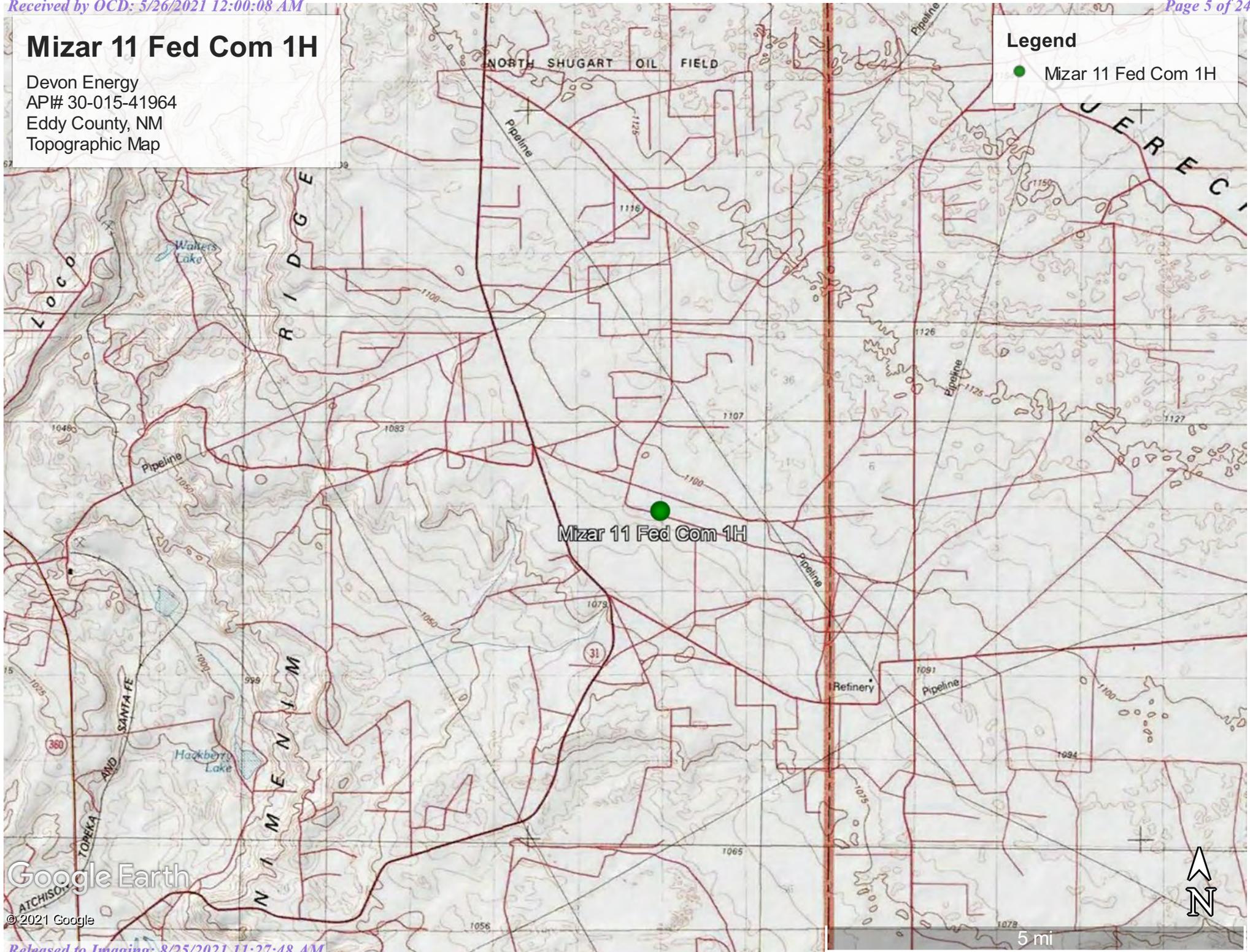
Google Earth

Mizar 11 Fed Com 1H

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

Legend

- Mizar 11 Fed Com 1H



Google Earth

© 2021 Google

Mizar 11 Fed Com 1H

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

Legend

-  High Karst
-  Low Karst
-  Medium Karst



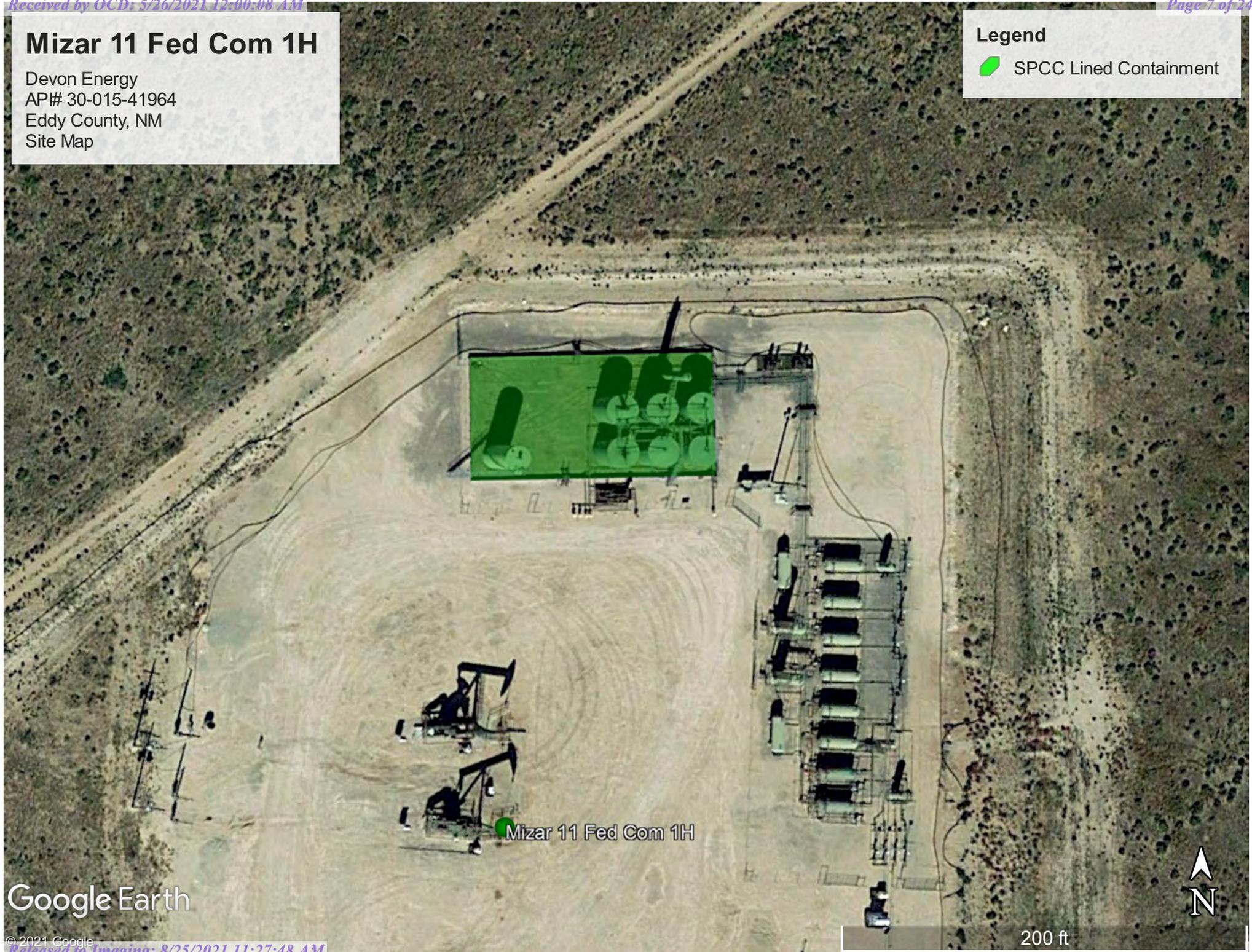
Google Earth

Mizar 11 Fed Com 1H

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

Legend

 SPCC Lined Containment



Mizar 11 Fed Com 1H

Google Earth

200 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	POD Code	Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
CP 00849 POD1	CP	LE	3	1	3	35	18S	31E	608012	3618757*		2190	300		
CP 00829 POD1	CP	LE	2	4	16	19S	31E	606165	3614009*		3123	120			
CP 01554 POD1	CP	LE	2	2	1	22	19S	31E	607166	3613354		3308	400		
CP 01554 POD2	CP	LE	2	2	1	22	19S	31E	607165	3613322		3340	400		
CP 00563 POD1	CP	LE	1	1	2	19	19S	32E	612118	3613376*		5244	300		
CP 00640 POD1	CP	LE	2	2	19	19S	32E	612621	3613280*		5706	260	102	158	
CP 00642 POD1	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

UTMNAD83 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.

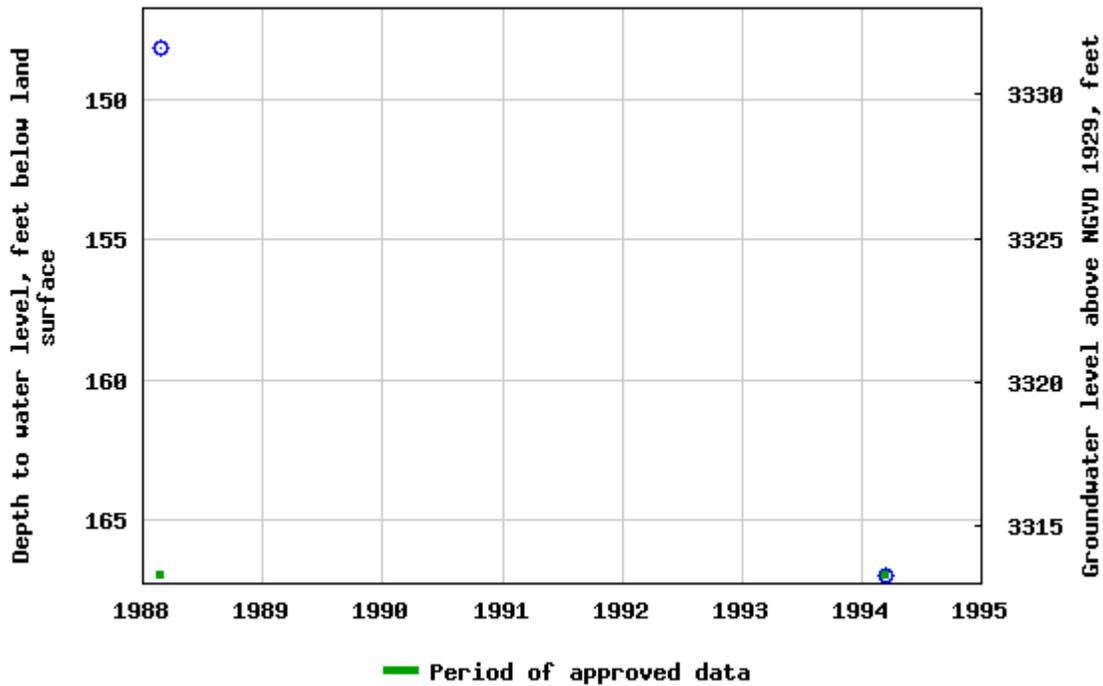
This well is completed in the Other aquifers (N9999OTHER) national aquifer.

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

USGS 323810103511401 19S.31E.27.214121



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

[Download a presentation-quality graph](#)

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[Data Tips](#)

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[Accessibility](#) [FOIA](#) [Privacy](#) [Policies and Notices](#)

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

Title: Groundwater for USA: Water Levels

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



Page Contact Information: [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 <i>L0137</i>	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: Jennifer Reyna	OIL CONSERVATION DIVISION	
Printed Name: Jennifer Reyna	Approved by Environmental Specialist <i>[Signature]</i>	
Title: Field Admin Support	Approval Date: 1/30/18	Expiration Date: N/A
E-mail Address: Jennifer.Reyna@dvn.com	Conditions of Approval: See attached	
Date: 1/18/2018 Phone: 575.746.5588	Attached <input type="checkbox"/> 2RP-4592	

* 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?	>100 (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.

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@dvn.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 Energy

Site: Mizar 11 Fed Com 1H

Lat/Long: 32.68198, -103.84817

NMOCD Incident ID & Incident Date: NAB1803054013 (2RP-4592) -- 1/16/2018

2-Day Notification Sent: via email by Tom Bynum on 5/19/21

Inspection Date: 5/21/2021

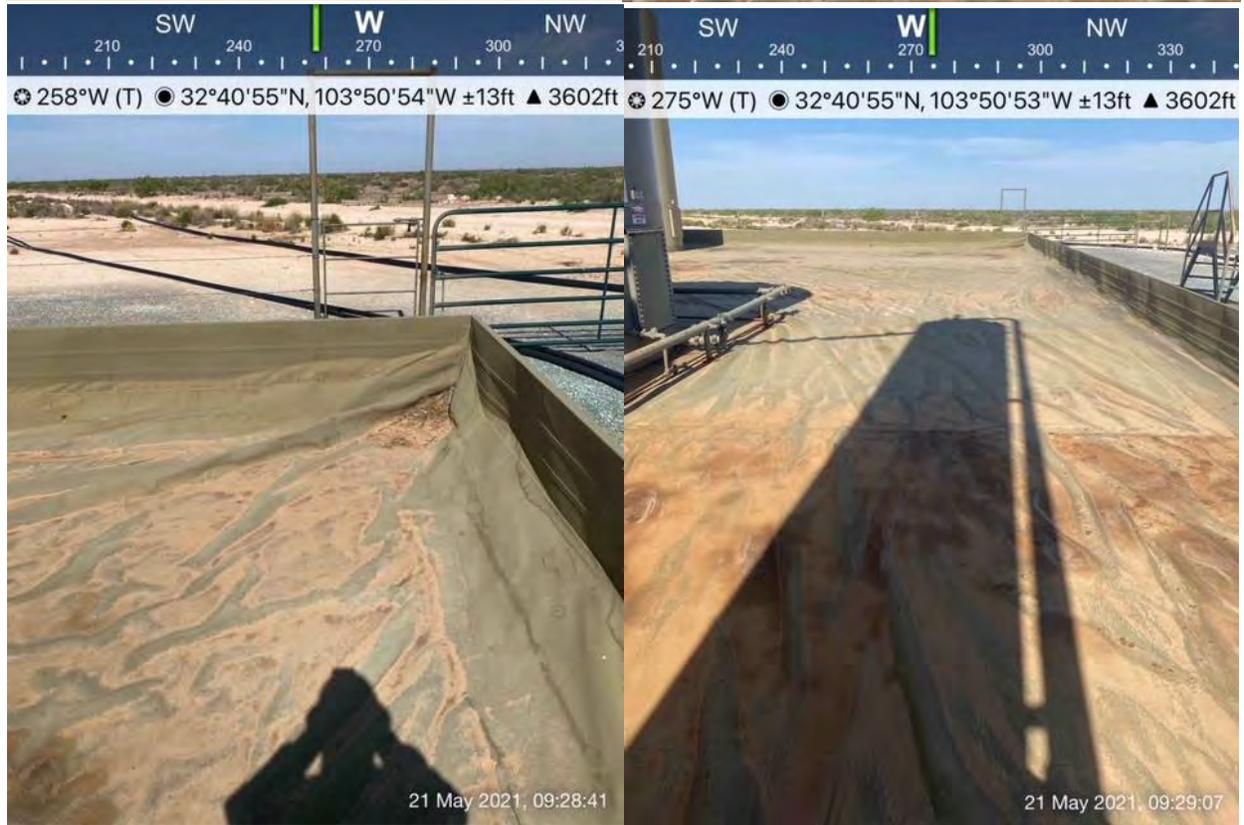
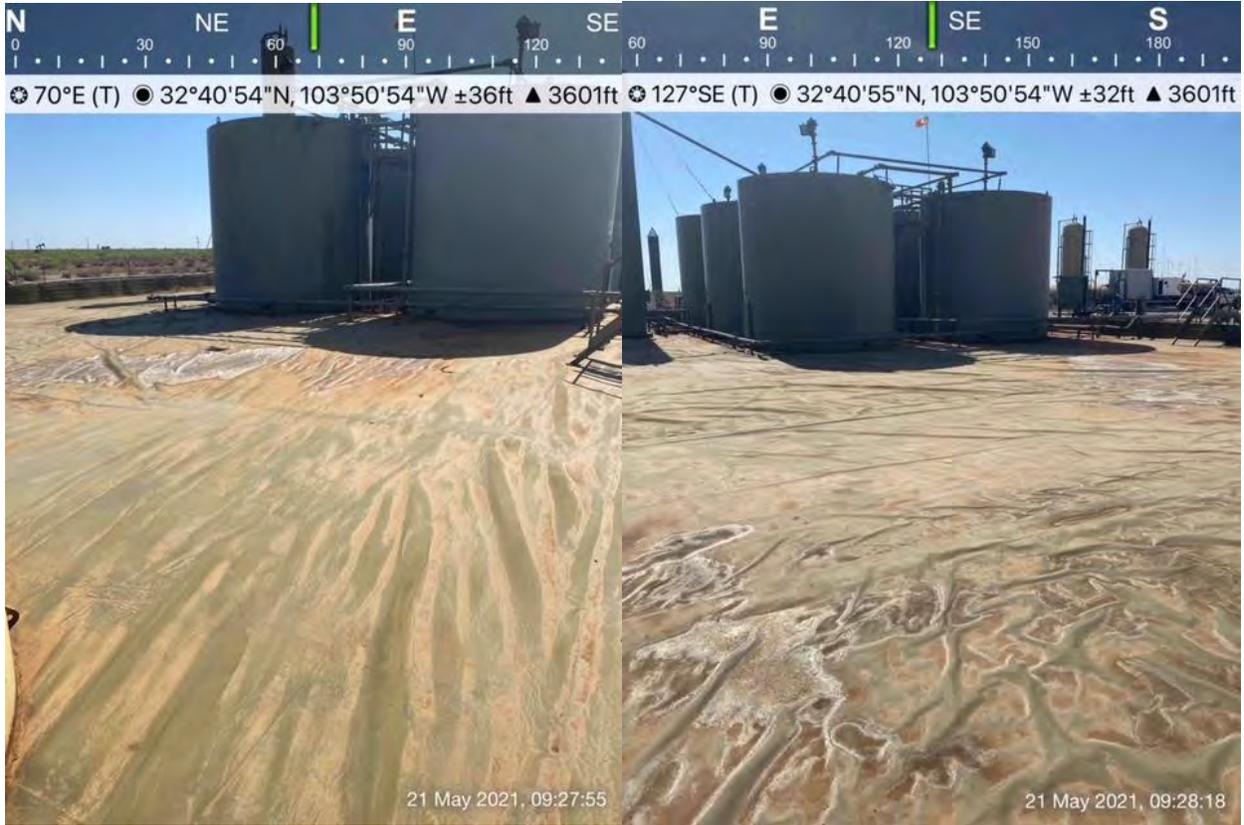
Liner Type: Earthen w/liner Earthen no liner Polystar
 Steel w/poly liner **Steel w/spray epoxy** No Liner

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		

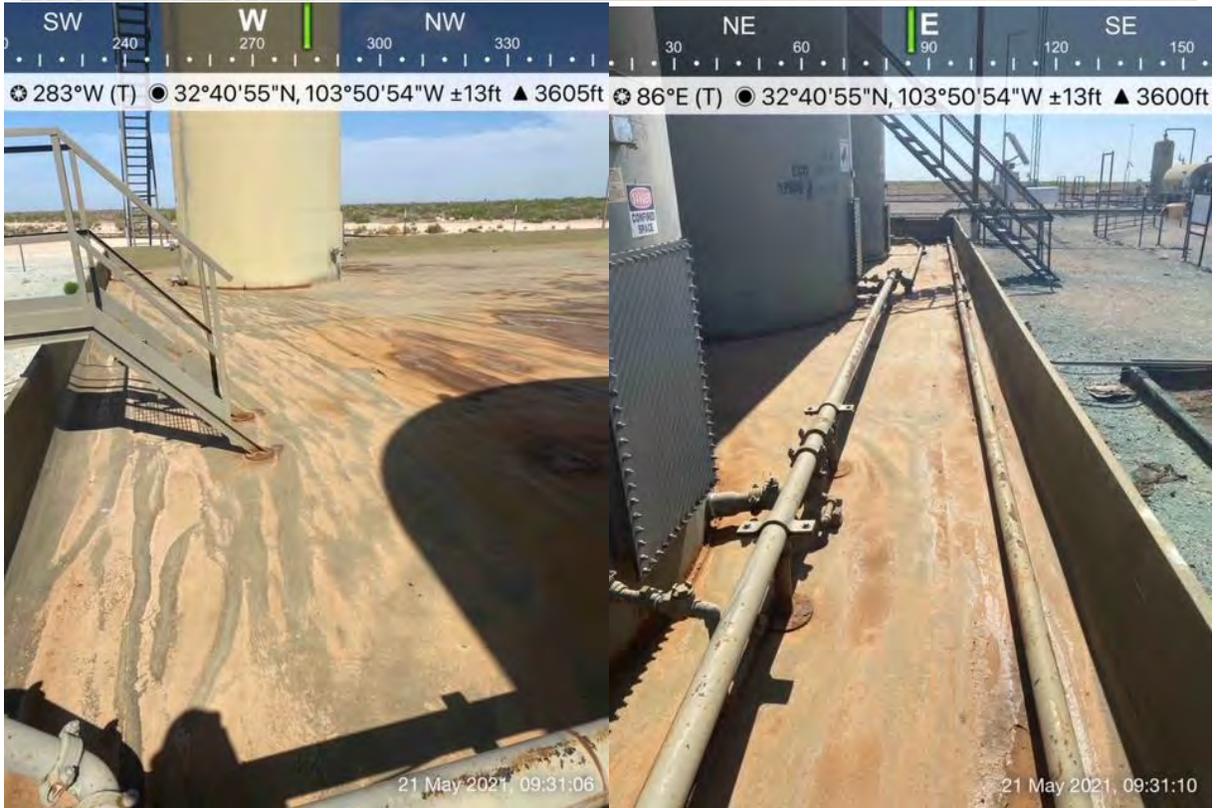
Comments: _____

Inspector Name: Sebastian Orozco Inspector Signature: *Sebastian Orozco*









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
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- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- Description of remediation activities

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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