



**EOG Resources, Inc.**  
Artesia Division Office  
104 S. 4<sup>th</sup> Street  
Artesia, N. M. 88210

September 24, 2019

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

Re: Mimosa Federal SWD #3Y  
30-015-29123  
P-4-20S-24E  
Eddy County, NM  
2RP-5426

EOG Resources, Inc. is submitting the enclosed Closure Report for the above referenced site. The report is being submitted accompanying the C-141 Final.

**EOG Resources Inc. requests closure.**

If you have any questions, feel free to call me at (575) 748-1471.

Respectfully,

A handwritten signature in black ink that reads "Chase Settle".

Chase Settle  
Rep Safety & Environmental II  
EOG Resources, Inc.

**EOG Resources, Inc.**

**Mimosa Federal SWD #3Y**

**Closure Report**

**30-015-29123**

**P-4-20S-24E**

**Eddy County, NM**

**September 24, 2019**

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**I. Location**

From the intersection of Hwy 285 and Rock Daisy Road (CR 23), head west for 10.7 miles, then take the lease road south to the location.

**II. Background**

On May 5, 2019, EOG Resources, Inc. submitted to the NMOCD District II office a Form C-141 for the release of 55 B/PW with 45 B/PW recovered. The affected area impacted by the release is approximately 525 feet by 20 feet beginning between the pump house and battery containment and moving west across the pad before flowing off the pad and into the adjacent pasture. A vacuum truck was called to recover the standing fluid and a backhoe crew was contracted to excavate visually impacted soils. Excavated soils were sent to a NMOCD approved disposal facility during the initial excavation activities. Initial soil sampling was conducted May 7, 2019, after providing notice of sampling to NMOCD and BLM on May 1, 2019. Initial sampling was conducted at the below grade surface (bgs) depth the release area was excavated to during the initial excavation process, results (5/13/19 enclosed) indicated that further excavation would be required.

**III. Surface and Ground Water**

Area geology is Cenozoic Quaternary. Based on information from the United States Geological Survey National Water Information System (USGS) regarding this location (Section 4, T20S-R24E), shallowest depth to groundwater is approximately 222 feet with the nearest water well being further than 3,000 feet to the northeast. Watercourses in the area are dry except for infrequent flows in response to major precipitation events, with the nearest body of surface water being Brantley Lake at approximately 10.5 miles away. The site is located outside of critical karst areas and outside of the 100-year floodplain.

**IV. NMOCD Assessment Criteria**

The site assessment criteria is as follows:

Depth to ground water	> 100'
Wellhead Protection Area	> 1000'
Distance to surface water body	> 1000'

Based on the assessment criteria, the NMOCD established RRALs for this site are:

Benzene	10 mg/kg
BTEX	50 mg/kg
TPH	2,500 mg/kg
GRO + DRO	1,000 mg/kg
Chlorides	20,000 mg/kg

**V. Soils**

USDA Natural Resources Conservation Service (NRCS) classifies soil in the area as Ector extremely rocky loam, with 9-25% slopes, and Pima silt loam, with 0-1% slope.



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## **VII. Work Completed**

After the initial sample results were received, EOG Resources, Inc. furthered the excavation depth in all areas except V6, V13, V14, V15, V16, and V17. Confirmation samples taken on May 30, 2019, after notification was provided to NMOCD and BLM on May 28, showed that the V1, V2, V5, V11, V12, and V18 areas had been excavated to depths which the soil impacts were below Table 1 requirements (6/10/19 enclosed). Further excavation was then conducted in the V4, V7, V8, V9, and V10 areas with confirmation sampling occurring on July 18, 2019, after notification was provided to NMOCD and BLM on July 16, 2019. Horizontal extents were also sampled on this date for the initial results (7/22/19 enclosed). Results of the sampling activity showed that further excavation was still needed in all vertical areas (V4, V8, V9, & V10), however, the horizontal areas H4-H8 showed to be below Table 1 standards and also to meet the reclamation requirements of 19.15.29.13. The excavation was enhanced horizontally in the H1, H2, and H3 areas and vertically in the V4, V8, V9, and V10 areas. The H1, H2, and H3 areas were extended out an additional six (6) inches to one (1) foot, with the V4 area excavated to a depth of three (3) feet, and the V8-V10 areas excavated to four (4) feet bgs. An initial sampling notification was sent to NMOCD and BLM on August 5, 2019, but had to be resent on August 8, 2019, after the desired excavation depth was not reached due to the extremely hard rock that was encountered in the four vertical sample areas. Once excavation was complete, sampling occurred on August 14, 2019, with results (8/15/19 enclosed) confirming that all vertical areas had been excavated to depths which remaining soil was under Table 1 standards, and also met the reclamation guidelines for 19.15.29.13. Horizontal samples indicated further boundary expansion was still required for the H1-H3 areas, so the extents of the excavation were increased to two (2) to three (3) feet from the initial excavation boundary. On August 20, 2019, notification was submitted to NMOCD and BLM for sampling that would be conducted on August 22, 2019. Those results (8/26/19) confirmed that the remaining horizontal samples were under Table 1 standards and below the reclamation standards required in 19.15.29.13. All horizontal samples were collected by way of 5-point composite samples, with each composite sample representing less than 200 square feet of sidewall.

All excavated soils were hauled to an NMOCD approved facility for disposal and the site was backfilled with locally sourced soils of similar quality than the soil that was impacted and removed. Once the backfill was completed, the portion of the release area off of location was reseeded with BLM Aplomado Falcon seed mix after erosion humps were installed to help prevent erosion of the newly backfilled area.

The C-141 Final and Sundry are included with this closure report, EOG Resources, Inc. requests closure of 2RP-5426.

# Table 1

## Soil Analytical Data



## Soil Analytical Data

Sample ID	Depth (ft. bgs)	Date	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH (GRO)	TPH (DRO)	TPH EXT DRO	Total TPH	Chlorides
V1-SUR	0	5/7/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	944
V1-6"	0.5	5/7/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	36.6	<10.0	36.6	176
V1-8"	0.66	5/30/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	128
V2-1'	1	5/7/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	240
V2-2'	2	5/7/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	704
V2-3'	3	5/7/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	367	173	540	848
V2-4'	4	5/7/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	607	222	829	384
V2-4'	4	5/30/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	903	338	1241	432
V3-1'	1	5/7/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	160
V3-2'	2	5/7/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	128
V3-3'	3	5/7/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	176
V4-1'	1	5/7/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1100
V4-1.5'	1.5	5/7/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	160
V4-1.5'	1.5	5/30/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	35.5	37.6	73.1	2040
V4-2.5	2.5	7/18/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1310
V4-3'	3	8/14/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	918	280	1198	144
V5-1'	1	5/7/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48
V5-2'	2	5/7/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	2200
V5-3'	3	5/7/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	2120
V5-4'	4	5/30/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	3760
V6-1'	1	5/7/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	160
V6-1.5'	1.5	5/7/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80
V7-6"	0.5	5/7/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	672
V7-6"	0.5	5/30/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	784
V7-1'	1	7/18/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	384
V8-SUR	0	5/7/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	21200
V8-3"	0.25	5/30/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	4880
V8-1'	1	7/18/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	2440
V8-4'	4	8/14/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80
V9-SUR	0	5/7/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	17.7	17.7	11000
V9-3"	0.25	5/30/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1220
V9-1'	1	7/18/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	5120
V9-4'	4	8/14/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96
V10-SUR	0	5/7/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	23.8	23.5	47.3	26000
V10-3"	0.25	5/30/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	2400
V10-1'	1	7/18/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	2080
V10-4'	4	8/14/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	160
V11-SUR	0	5/7/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	27200
V11-3"	0.25	5/30/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	336
V12-SUR	0	5/7/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	42400
V12-3"	0.25	5/30/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	192
V13-SUR	0	5/7/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	480
V14-SUR	0	5/7/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	576
V15-SUR	0	5/7/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	288
V16-SUR	0	5/7/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	448
V17-SUR	0	5/7/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	10.3	<10.0	10.3	304
V18-SUR	0	5/7/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	52.9	61.6	114.5	1960
V18-3"	0.25	5/30/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	176
H1	0	7/18/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1420
H1+1	0	8/14/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1650
H1+3	0	8/22/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	352
H2	0	7/18/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	12000
H2+1	0	8/14/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	704
H2+3	0	8/22/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	256
H3	0	7/18/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1010
H3+1	0	8/14/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	800
H3+3	0	8/22/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64
H4	0	7/18/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80
H5	0	7/18/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16

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H6	0	7/18/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16
H7	0	7/18/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16
H8	0	7/18/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64

# Figure 1

## Site Map with Sample Points







# Photos







# Appendix A

## USGS Groundwater Information





## National Water Information System: Map View

Sites

Map Layers

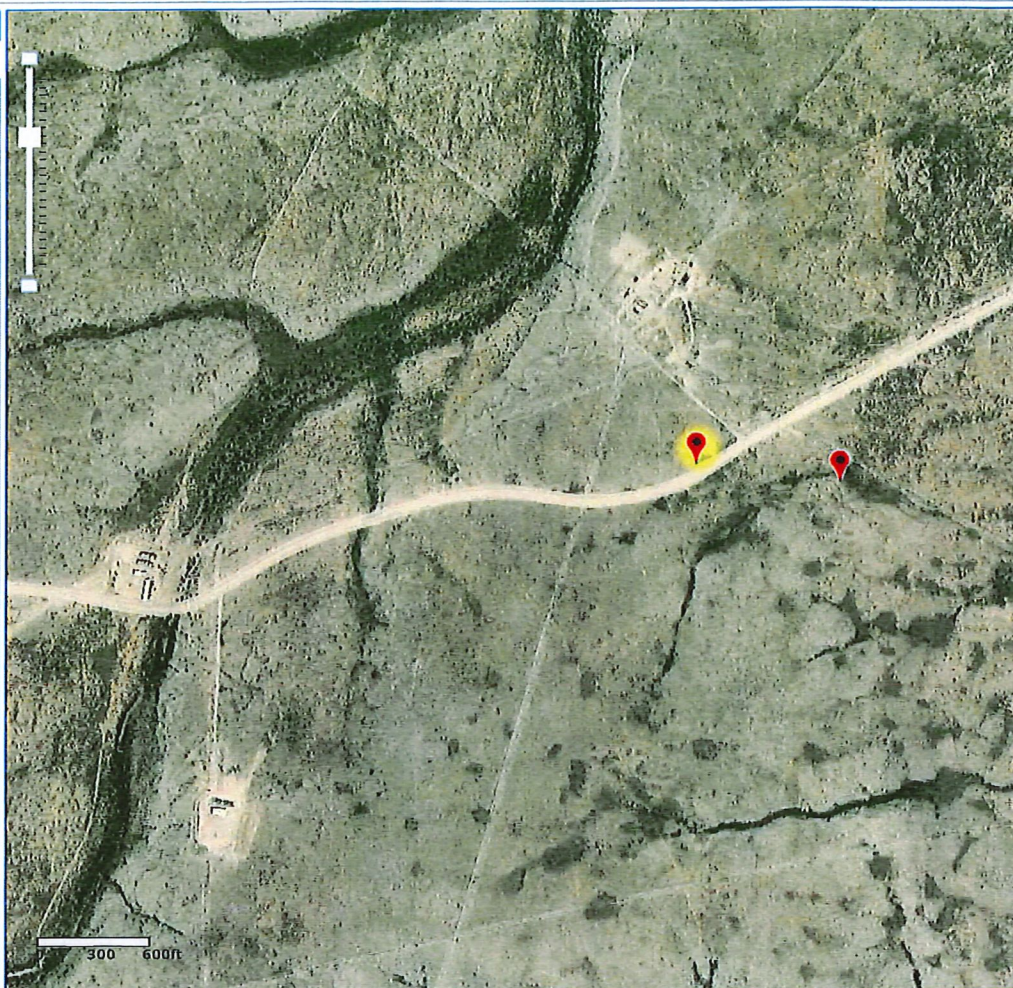
### Search Results

#### Export Sites

Site Number	Site Name
<a href="#">3236101043428</a> 01	20S.24E.03.14322
<a href="#">3236111043437</a> 01	20S.24E.03.132443

Search Parameters

Explanation of Symbols





## National Water Information System: Web Interface

USGS Water Resources

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

Data Category:  Geographic Area:

Click to hideNews Bulletins

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

Groundwater levels for the Nation

### Search Results -- 1 sites found

site\_no list =  
• 323610104342801

Minimum number of levels = 1

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

### USGS 323610104342801 20S.24E.03.14322

Available data for this site

Eddy County, New Mexico

Hydrologic Unit Code --

Latitude 32°36'10", Longitude 104°34'28" NAD27

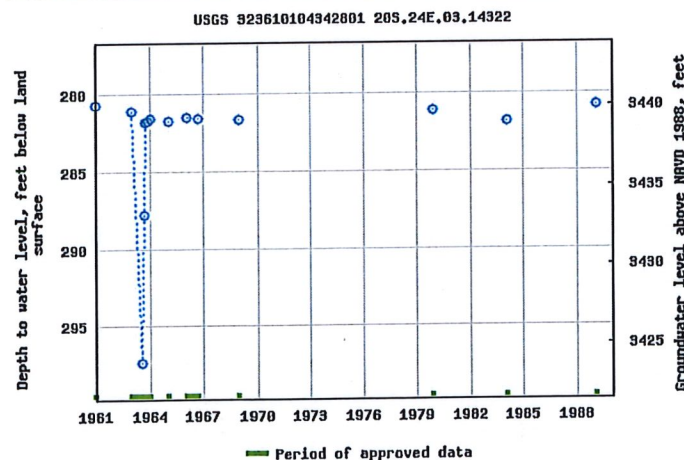
Land-surface elevation 3,721 feet above NAVD88

The depth of the well is 310 feet below land surface.

This well is completed in the Artesia Group (313ARTS) local aquifer.

#### Output formats

<a href="#">Table of data</a>
<a href="#">Tab-separated data</a>
<a href="#">Graph of data</a>
<a href="#">Reselect period</a>



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?>







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## National Water Information System: Web Interface

USGS Water Resources

Data Category:	Geographic Area:	
Groundwater	United States	GO

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Groundwater levels for the Nation

### Search Results -- 1 sites found

site\_no list =  
• 323611104343701

Minimum number of levels = 1

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

### USGS 323611104343701 20S.24E.03.132443

Available data for this site

Eddy County, New Mexico

Hydrologic Unit Code --

Latitude 32°36'11", Longitude 104°34'37" NAD27

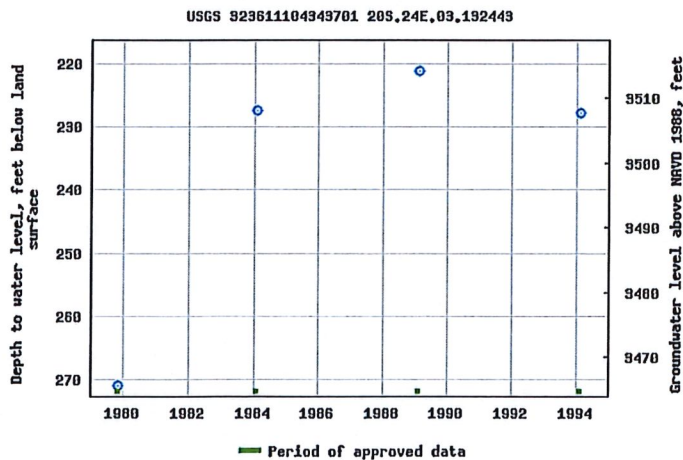
Land-surface elevation 3,736 feet above NAVD88

The depth of the well is 465 feet below land surface.

This well is completed in the Artesia Group (313ARTS) local aquifer.

#### Output formats

<a href="#">Table of data</a>
<a href="#">Tab-separated data</a>
<a href="#">Graph of data</a>
<a href="#">Reselect period</a>



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?>



# Appendix B










































## NRCS Soil Classification

Soil Map—Eddy Area, New Mexico  
(Mimosa Federal #3Y SWD)





## MAP LEGEND

 Area of Interest (AOI)	 Spoil Area
 Soils	 Stony Spot
 Soil Map Unit Polygons	 Very Stony Spot
 Soil Map Unit Lines	 Wet Spot
 Soil Map Unit Points	 Other
 Special Point Features	 Special Line Features
 Blowout	 Water Features
 Borrow Pit	 Streams and Canals
 Clay Spot	 Transportation
 Closed Depression	 Rails
 Gravel Pit	 Interstate Highways
 Gravelly Spot	 US Routes
 Landfill	 Major Roads
 Lava Flow	 Local Roads
 Marsh or swamp	 Background
 Mine or Quarry	 Aerial Photography
 Miscellaneous Water	
 Perennial Water	
 Rock Outcrop	
 Saline Spot	
 Sandy Spot	
 Severely Eroded Spot	
 Sinkhole	
 Slide or Slip	
 Sodic Spot	

## 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 14, Sep 12, 2018

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

Date(s) aerial images were photographed: Nov 30, 2015—Dec 15, 2017

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
EE	Ector extremely rocky loam, 9 to 25 percent slopes	9.4	83.8%
PM	Pima silt loam, 0 to 1 percent slopes	1.8	16.2%
Totals for Area of Interest		11.2	100.0%

# Appendix C

## 100 Year Floodplain Map



# FEMA Flood Map Service Center: Search By Address

Navigation

Search

Languages

[MSC Home \(/portal/\)](#)

[MSC Search by Address \(/portal/search\)](#)

[MSC Search All Products \(/portal/advanceSearch\)](#)

▼ [MSC Products and Tools \(/portal/resources/productsandtools\)](#)

[Hazus \(/portal/resources/hazus\)](#)

[LOMC Batch Files \(/portal/resources/lomc\)](#)

[Product Availability \(/portal/productAvailability\)](#)

[MSC Frequently Asked Questions \(FAQs\) \(/portal/resources/faq\)](#)

[MSC Email Subscriptions \(/portal/subscriptionHome\)](#)

[Contact MSC Help \(/portal/resources/contact\)](#)

Enter an address, place, or coordinates: ?

Eddy County New Mexico

Search

Whether you are in a high risk zone or not, you may need [flood insurance \(https://www.fema.gov/national-flood-insurance-program\)](https://www.fema.gov/national-flood-insurance-program) because most homeowners insurance doesn't cover flood damage. If you live in an area with low or moderate flood risk, you are 5 times more likely to experience flood than a fire in your home over the next 30 years. For many, a National Flood Insurance Program's flood insurance policy could cost less than \$400 per year. Call your insurance agent today and protect what you've built.

Learn more about [steps you can take \(https://www.fema.gov/what-mitigation\)](https://www.fema.gov/what-mitigation) to reduce flood risk damage.



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[Home \(/www.fema.gov/\)](http://www.fema.gov/) [Download Plug-ins \(/www.fema.gov/download-plugin-ins\)](http://www.fema.gov/download-plugin-ins) [About Us \(/www.fema.gov/about-agency\)](http://www.fema.gov/about-agency) [Privacy Policy \(/www.fema.gov/privacy-policy\)](http://www.fema.gov/privacy-policy) [FOIA \(/www.fema.gov/foia\)](http://www.fema.gov/foia) [Office of the Inspector General \(/www.oig.dhs.gov/\)](http://www.oig.dhs.gov/) [Strategic Plan \(/www.fema.gov/fema-strategic-plan\)](http://www.fema.gov/fema-strategic-plan) [Whitehouse.gov \(/www.whitehouse.gov\)](http://www.whitehouse.gov) [DHS.gov \(/www.dhs.gov\)](http://www.dhs.gov) [Ready.gov \(/www.ready.gov\)](http://www.ready.gov) [USA.gov \(/www.usa.gov\)](http://www.usa.gov) [DisasterAssistance.gov \(/www.disasterassistance.gov/\)](http://www.disasterassistance.gov)



[\(/https://www.oig.dhs.gov/hotline\)](https://www.oig.dhs.gov/hotline)

 Official website of the Department of Homeland Security

# Appendix D

## Laboratory Soil Data

# **Appendix E**

## **Form C-141**

### **(Initial and Closure)**

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	2RP-5426
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party EOG Y Resources, Inc.	OGRID 7377
Contact Name Chase Settle	Contact Telephone 575-748-1471
Contact email Chase.Settle@eogresources.com	Incident # (assigned by OCD)
Contact mailing address 104 S. 4 <sup>th</sup>	

### Location of Release Source

Latitude 32.5973969 Longitude -104.5858536  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Mimosa SWD Federal Com #3Y	Site Type SWD
Date Release Discovered 04/27/2019	API# 30-015-29123

Unit Letter	Section	Township	Range	County
P	04	20S	24E	Eddy

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)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 55	Volume Recovered (bbls) 45
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

#### Cause of Release

The air eliminator on top of the prime pump had come off and produced water was being discharged into the shallow containment the pump was in. A valve was immediately closed preventing further release of produced water. Upon further inspection it was found that a bushing between the air eliminator and the pump had corroded to the point of failure causing incident. A vacuum truck was on location within an hour to begin cleanup.

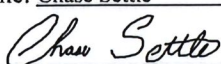
State of New Mexico  
Oil Conservation Division

Incident ID	
District RP	2RP-5426
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? The volume released was greater than 25 barrels.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Yes, email notification was sent by Robert Asher on April 28, 2019 at 10:57 a.m., to Mike Bratcher, Jim Griswold, and Jim Amos.	

### Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> 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: <u>Chase Settle</u>	Title: <u>Rep Safety and Environmental II</u>
Signature: <u></u>	Date: <u>05/06/2019</u>
email: <u><a href="mailto:Chase_Settle@eogresources.com">Chase_Settle@eogresources.com</a></u>	Telephone: <u>575-748-1471</u>
<b><u>OCD Only</u></b>  Received by: _____ Date: _____	

State of New Mexico  
Oil Conservation Division

Incident ID	
District RP	2RP-5426
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>220</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 checked="" type="checkbox"/> Yes <input 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.



State of New Mexico  
Oil Conservation Division

Incident ID	
District RP	2RP-5426
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: Chase Settle Title: Rep Safety and Environmental II

Signature: *Chase Settle* Date: 09/24/2019

email: Chase\_Settle@eogresources.com Telephone: 575-748-1471

**OCD Only**

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

State of New Mexico  
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

## Remediation Plan

**Remediation Plan Checklist:** *Each of the following items must be included in the plan.*

- ☐ 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.
- ☐ 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.

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

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

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

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

State of New Mexico  
Oil Conservation Division

Incident ID	
District RP	2RP-5426
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: Chase Settle Title: Rep Safety and Environmental II

Signature:  Date: 09/24/2019

email: Chase\_Settle@eogresources.com Telephone: 575-748-1471

### 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: \_\_\_\_\_

# Appendix F

## BLM Sundry

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: October 31, 2014

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

5. Lease Serial No.  
NM-39635

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other Instructions on page 2.

7. If Unit of CA/Agreement, Name and/or No.

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other INJECTION

8. Well Name and No.  
Mimosa Federal SWD #3Y

2. Name of Operator  
EOG Resources, Inc.

9. API Well No.  
30-015-29123

3a. Address  
104 S. 4th St., Artesia, NM 88210

3b. Phone No. (include area code)  
575-748-1471

10. Field and Pool or Exploratory Area  
Wildcat; Devonian

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 4-T20S-R24E, SESE 63S FSL & 330 FEL

11. County or Parish, State  
Eddy County, New Mexico

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Clean up actions to be taken.</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

The air eliminator on top of the prime pump had come off and produced water was being discharged into the shallow containment the pump was in. A valve was immediately closed preventing further release of produced water. Upon further inspection it was found that a bushing between the air eliminator and the pump had corroded to the point of failure causing incident. A vac truck was on location within an hour to begin cleanup. Approximately 10 bbls were not recovered and escaped the containment impacting the facility pad and an area off the location pad.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)  
Chase Settle

Title Rep Safety and Environmental II

Signature

*Chase Settle*

Date 05/06/2019

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

*James A. Brown*

Title

*SAET*

Date

*8-8-19*

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

*CFD*

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)