EOG Resources, Inc.
Artesia Division Office
104 S. 4th Street
Artesia, N. M. 88210

October 4, 2019

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

Re: Nix GP Battery
O-22-18S-26E
Eddy County, NM
2RP-5436

EOG Resources, Inc. is submitting the enclosed Remediation Plan for the above referenced site. The plan is being submitted in response to the C-141 dated May 16, 2019.

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

Respectfully,

Chase Settle

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

EOG Resources, Inc.

Nix GP Battery

Remediation Plan

O-22-18S-26E

Eddy County, NM

October 4, 2019

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I. Location

From the intersection of Hwy 285 and E Dayton Road, head east for 1.4 miles, then take the lease road north to the location.

II. Background

On May 16, 2019, EOG Resources, Inc. submitted to the NMOCD District II office a Form C-141 for the release of 21 B/CO and 19 B/PW with 7 B/CO and 0 B/PW recovered that occurred May 5, 2019. There was a pinhole in the bottom of production tank that allowed the release. The area impacted by the release is approximately 52 feet by 52 feet east of the production tanks. 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 excavation consisted of removing all visually impacted soils to a depth of four (4) feet below grade surface (bgs). Initial vertical and horizontal soil sampling (5/28/2019 results enclosed) was conducted May 16, 2019, after providing notice of sampling to NMOCD on May 16, 2019. Without discovering the bottom of impaction or the horizontal extents during the initial sampling, further sampling occurred on June 10, 2019, after notification was provided to NMOCD on June 5, 2019. Results (6/19/2019) determined the vertical depth of impaction from the release. On June 11, 2019, after visually inspecting the soil during the sampling process the previous day, Liquid Remediact (microbial bioremediation product) was mixed into the soils showing BTEX and TPH impacts. 16 gallons of Liquid Remediact was mixed with 160 gallons of fresh water, then added to the impacted soils within the V3, V4, V5, and V6 areas as they were stirred with an excavator. The product was allowed to perform bioremediation of the soils and confirmation samples were taken August 27, 2019, along with final horizontal confirmation samples (8/29/2019 results enclosed).

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 22, T18S-R26E), depth to groundwater is approximately 75 feet with the nearest water wells being approximately 0.7 mile to the northeast and northwest. Watercourses in the area are dry except for infrequent flows in response to major precipitation events, with the nearest body of surface water being the Pecos River at approximately 3.3 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	> 50-99'
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	10,000 mg/kg

V. Soils

USDA Natural Resources Conservation Service (NRCS) classifies soil at the site as Reeves loam, with 1-3% slopes.

VII. Scope of Work

Due to the completion of bioremediation of the V3 area and excavation complete to the horizontal extents required, EOG Resources, Inc. proposes to backfill the V1, V2, and V3 areas with caliche in order to reinstall production tanks and place the battery back into service. Once this is complete, the remaining island supporting the gas meter at the H11 sidewall, will be completely excavated to four (4) feet bgs. This will effectively make the H10 and H12 horizontal areas continuous and address the impacted H11 area. As soon as that excavation is complete, a confirmation sample will be collected at four (4) feet bgs and at the sidewall that will be exposed between H10 and H12, these samples will be sent to a third party laboratory and if confirmation of Table 1 standards and 19.15.29.13 guidelines are met, the area will backfilled with caliche for reinstallation of the gas meter.

With the reduction in contaminate concentration between initial soil sampling on May 16, 2019, and the confirmation samples collected August 27, 2019, EOG again treated the V4, V5, and V6 vertical areas with Liquid Remediact on September 12, 2019. The treatment on September 12 followed the protocol used for the June 11 treatment, 16 gallons of Liquid Remediact was mixed in with 160 gallons of fresh water and the mixture was applied to the soils as it was stirred with an excavator. EOG Resources, Inc. proposes to allow the bioremediation product to work on the impacted soils for 90 days from the treatment date of September 12. This would put the confirmation sampling date at December 12, 2019. EOG would perform confirmation sampling the same as previously completed, taking a sample every two (2) feet within the treatment areas, with sampling to extend four (4) feet past the known impaction depth. If all samples are below Table 1 standards, then the site will be backfilled with caliche to grade and a Closure Report will be submitted with confirmation soil data. If the confirmation samples are not below Table 1 standards, the site will be reevaluated for the appropriate method to complete remediation of the 3 remaining areas.

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
V1-4'	4	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64
V1-6'	6	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80
V1-8'	8	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64
V1-10'	10	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	112
V2-4'	4	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48
V2-6'	6	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32
V2-8'	8	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32
V2-10'	10	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48
V3-4'	4	5/16/19	<0.050	0.050	<0.050	<0.150	<0.300	<10.0	1830	509	2339	3080
V3-6'	6	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	352
V3-8'	8	5/16/19	<0.050	<0.050	0.160	<0.150	<0.300	<10.0	487	<10.0	487	160
V3-10'	10	5/16/19	<0.050	0.074	5.61	0.370	6.06	66.9	1000	104	1170.9	96
V3-12'	12	6/10/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1720
V3-15'	15	6/10/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1090
V4-4'	4	5/16/19	0.094	0.179	3.38	13.8	17.4	<50.0	9710	2200	11910	4520
V4-6'	6	5/16/19	0.869	1.20	12.7	26.5	41.3	242	6040	1110	7392	1790
V4-8'	8	5/16/19	0.907	1.27	14.5	29.6	46.3	300	5900	935	7135	1920
V4-10'	10	5/16/19	0.234	0.482	6.35	13.0	20.0	127	2250	388	2765	1940
V4-12'	12	6/10/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	6320
V4-14'	14	6/10/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	9800
V5-4'	4	5/16/19	0.059	0.089	2.54	4.50	7.18	<50.0	8570	1990	10560	6560
V5-6'	6	5/16/19	0.896	0.437	11.3	5.87	18.5	193	3400	852	4445	5200
V5-8'	8	5/16/19	0.596	0.275	8.73	3.66	13.3	106	1970	403	2479	4080
V5-10'	10	5/16/19	0.827	0.426	12.8	5.43	19.5	216	3200	698	4114	4800
V5-15'	15	6/10/19	<0.050	<0.050	0.072	<0.150	<0.300	<10.0	30.9	<10.0	30.9	6240
V5-19'	19	6/10/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	6480
V6-4'	4	5/16/19	<0.050	<0.050	0.054	<0.150	<0.300	<10.0	1160	288	1448	7460
V6-6'	6	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1820	561	2381	6320
V6-8'	8	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	897	215	1112	7600
V6-10'	10	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	8800
H1	0-4	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	352
H2	0-4	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	27.9	30.8	58.7	64
H3	0-4	5/16/19	<0.050	0.056	<0.050	<0.150	<0.300	<10.0	65.7	55.3	121	48
H4	0-4	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	2440
H4-2	0-4	6/10/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	521	347	868	560
H5	0-4	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1280
H5-2	0-4	6/10/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	132	84	216	2560
H5-3	0-4	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	10	<10.0	10	288
H6	0-4	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1310
H6-2	0-4	6/10/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	154	20.7	174.7	560
H7	0-4	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	608
H7-3	0-4	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	251	129	380	80
H8	0-4	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64
H9	0-4	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	336
H10	0-4	5/16/19	<0.050	<0.050	0.811	2.02	2.83	<10.0	1560	384	1944	3080
H10-2	0-4	6/10/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1220
H10-3	0-4	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32
H11	0-4	5/16/19	<0.050	<0.050	0.232	<0.150	<0.300	<100	<100	<100	<100	848
H11-2	0-4	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	343	162	505	896
H12	0-4	5/16/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64

Nix GP Battery
Remediation Plan
2RP-5436

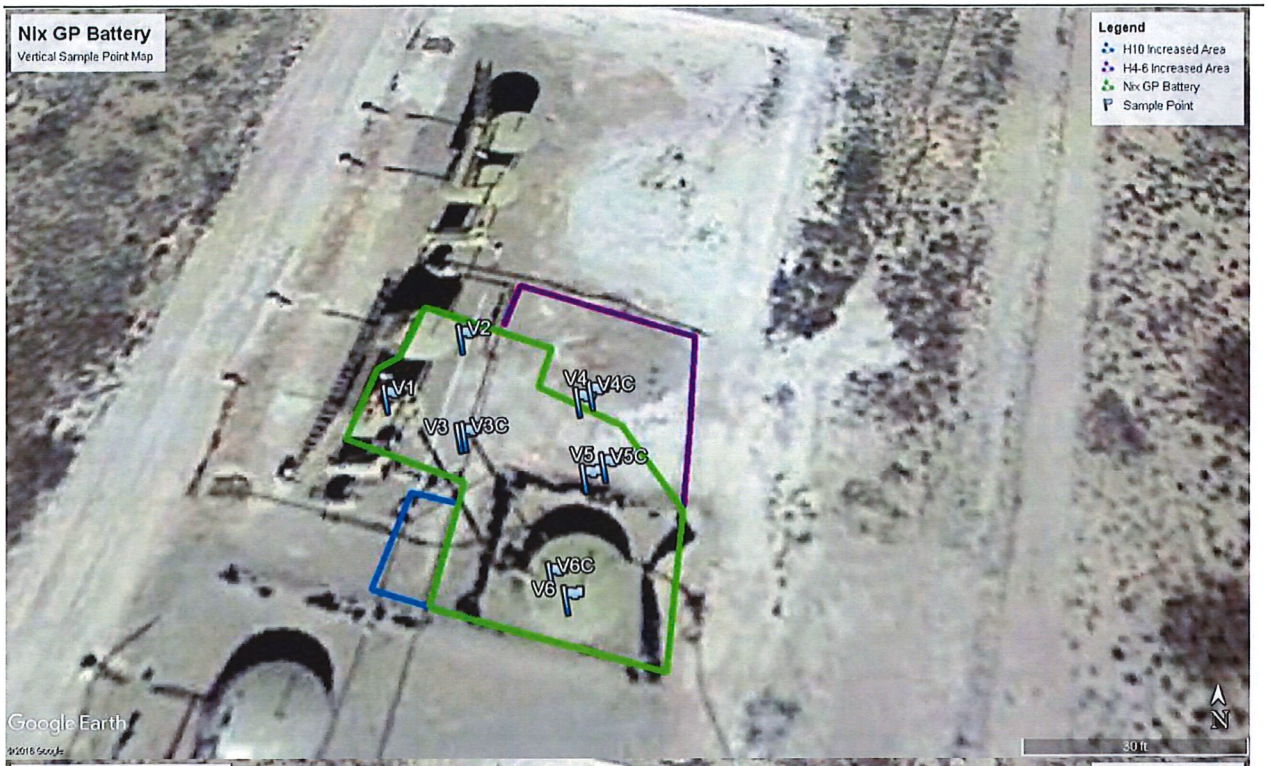
eog resources

October 4, 2019

Confirmation Sample Data

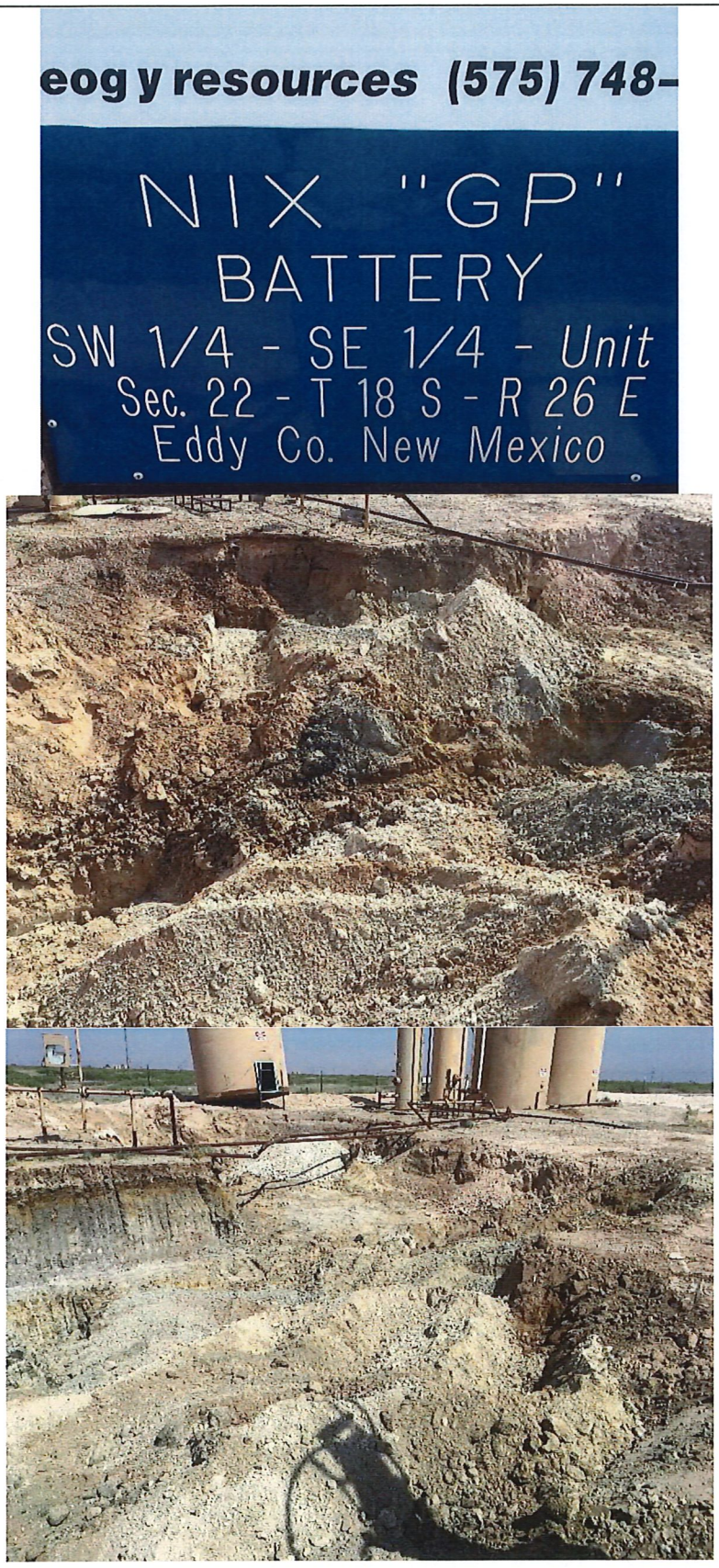
Sample ID	Depth (ft. bgs)	Date	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH (GRO)	TPH (DRO)	TPH EXT DRO	Total TPH	Chlorides
V3C-4'	4	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	710	227	937	1410
V3C-6'	6	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	397	132	529	1040
V3C-8'	8	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	14.3	<10.0	14.3	944
V3C-10'	10	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	41.1	<10.0	41.1	832
V3C-12'	12	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	320
V3C-14'	14	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	976
V4C-4'	4	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<50.0	10500	3160	13660	5920
V4C-6'	6	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	3600
V4C-8'	8	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	3080
V4C-10'	10	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	3440
V4C-12'	12	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	4080
V4C-14'	14	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	5680
V4C-16'	16	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	7060
V5C-4'	4	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	2780	752	3532	5600
V5C-6'	6	8/27/19	<0.050	<0.050	0.063	0.299	0.362	58	2890	746	3694	3600
V5C-8'	8	8/27/19	<0.050	0.079	0.995	2.06	3.14	87.2	2620	683	3390.2	3920
V5C-10'	10	8/27/19	<0.050	0.154	1.61	2.04	3.8	81.3	2420	616	3117.3	3360
V5C-12'	12	8/27/19	<0.200	0.294	1.98	4.90	7.18	137	5020	1470	6627	3320
V5C-14'	14	8/27/19	0.072	0.184	2.04	4.26	6.55	96.3	3010	831	3937.3	3680
V5C-16'	16	8/27/19	0.073	0.126	1.71	1.84	3.74	37.3	1150	295	1482.3	4760
V6C-4'	4	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	2330	679	3009	6000
V6C-6'	6	8/27/19	<0.050	<0.050	0.074	<0.150	<0.300	<10.0	225	78.5	303.5	3080
V6C-8'	8	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	371	90.3	461.3	3680
V6C-10'	10	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	5460
V6C-12'	12	8/27/19	<0.050	<0.050	0.174	0.158	0.332	<10.0	71.9	<10.0	71.9	2320
V6C-14'	14	8/27/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	5200

Figure 1
Site Map with Sample Points


Nix GP Battery
Vertical Sample Point Map
Legend
H10 Increased Area
H4-6 Increased Area
Nix GP Battery
Sample Point
V1
V2
V3
V3C
V4
V4C
V5
V5C
V6
V6C
Google Earth
30 ft
N


Nix GP Battery
Horizontal Sample and Excavation Map
Legend
H10 Increased Area
H4-6 Increased Area
Nix GP Battery
Sample Point
H1
H2
H3
H4
H4-2
H5
H5-3
H6
H6-2
H7
H7-3
H8
H9
H10
H10-3
H11
H11-2
H12
Google Earth
50 ft
N

Photos


eog y resources (575) 748-
NIX "GP"
BATTERY
SW 1/4 - SE 1/4 - Unit
Sec. 22 - T 18 S - R 26 E
Eddy Co. New Mexico

Appendix A
USGS Groundwater Information

USGS
science for a changing world

National Water Information System: Map View

Sites | Map Layers

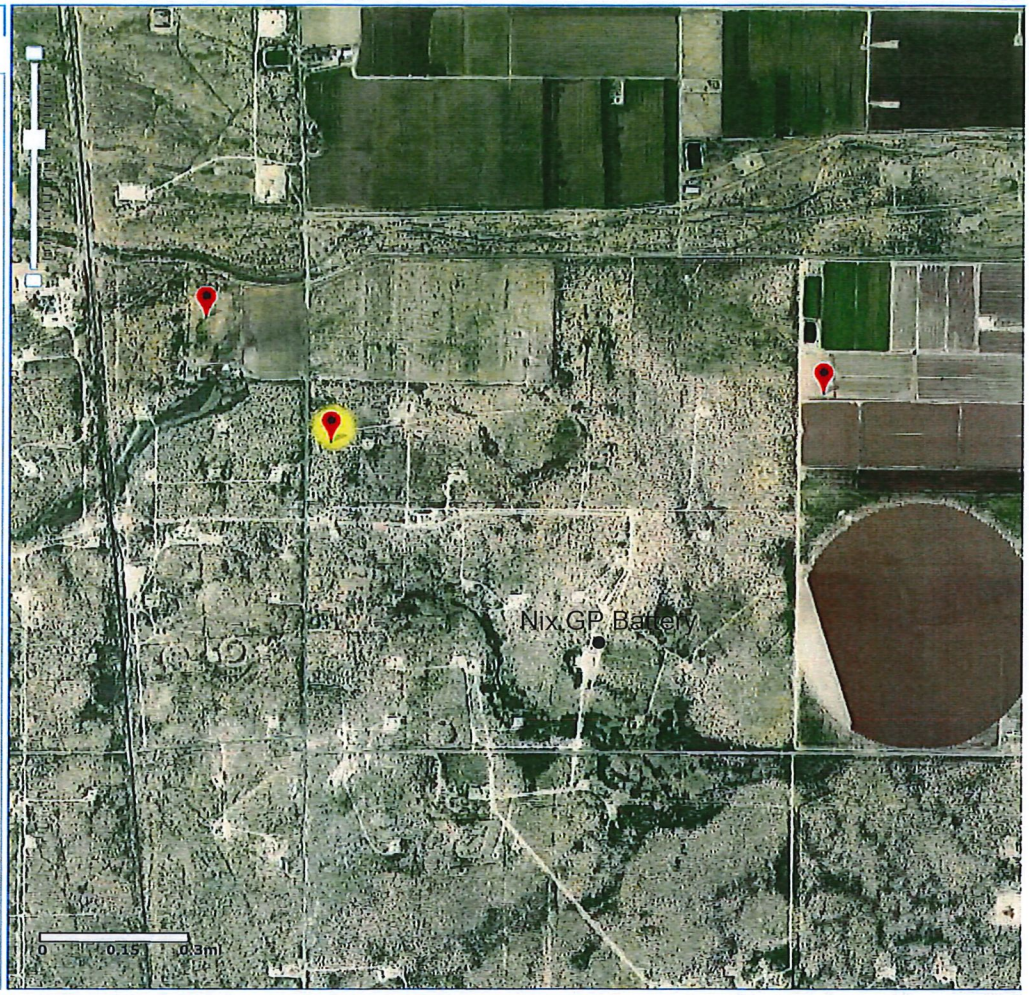
Search Results

Export Sites

Site Number	Site Name
324408104223701	18S.26E.22.133313
324413104213501	18S.26E.23.131331
324421104225301	18S.26E.21.2233113

Search Parameters

Explanation of Symbols



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- 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 =

- 324408104223701

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

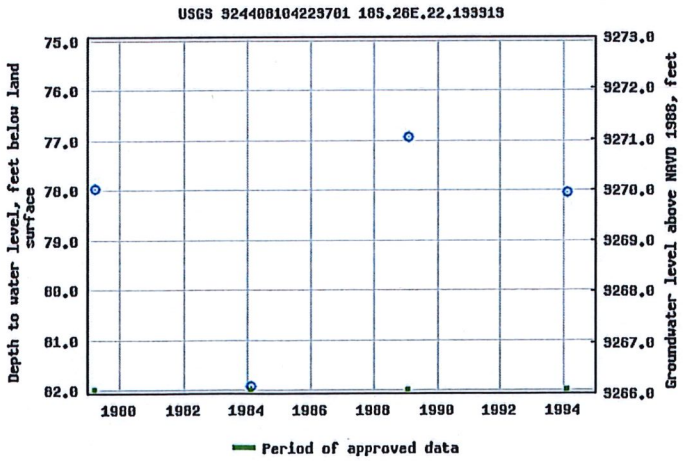
USGS 324408104223701 18S.26E.22.133313

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

Eddy County, New Mexico
Hydrologic Unit Code --
Latitude 32°44'08", Longitude 104°22'37" NAD27
Land-surface elevation 3,348 feet above NAVD88
The depth of the well is 100 feet below land surface.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) 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

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Groundwater levels for the Nation

Search Results -- 1 sites found

site_no list =

- 324413104213501

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

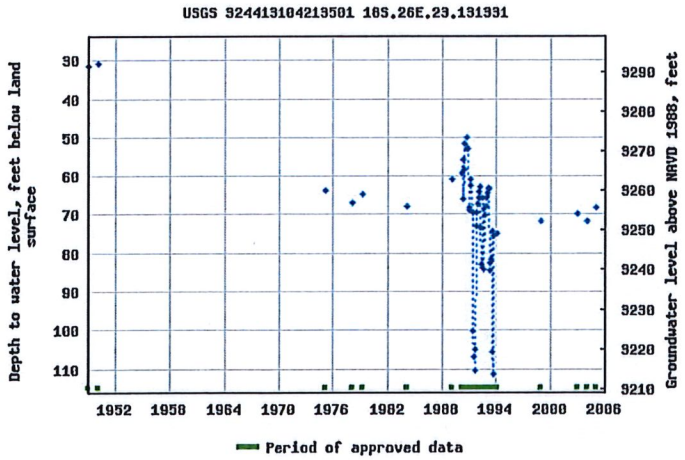
USGS 324413104213501 18S.26E.23.131331

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

Eddy County, New Mexico
Hydrologic Unit Code --
Latitude 32°44'13", Longitude 104°21'35" NAD27
Land-surface elevation 3,324 feet above NAVD88
The depth of the well is 180 feet below land surface.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) 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

Appendix B
NRCS Soil Classification

Soil Map—Eddy Area, New Mexico
(Nix GP Battery)

Map Scale: 1:509 if printed on A portrait (8.5" x 11") sheet.

N

Meters
0 5 10 20 30

Feet
0 20 40 80 120

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84

MAP LEGEND

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

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

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

Water Features
- Streams and Canals

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

Background
- Aerial Photography

MAP INFORMATION

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

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

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

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

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

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

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

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 15, Sep 15, 2019

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
Pe	Pima silt loam, 0 to 1 percent slopes	0.0	0.0%
Rn	Reeves loam, 1 to 3 percent slopes	1.3	100.0%
Totals for Area of Interest		**1.3**	**100.0%**

Appendix C
100 Year Floodplain Map

FEMA
(//www.fema.gov/)

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) 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) to reduce flood risk damage.

Share This Page.

(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)

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-5436
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	EOG 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. Fourth St., Artesia, NM 88210		

Location of Release Source

Latitude 32.72936 Longitude -104.36830
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Nix GP Battery	Site Type	Battery
Date Release Discovered	05/05/2019	API# *(if applicable)*	

Unit Letter	Section	Township	Range	County
O	22	18S	26E	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)

☑ Crude Oil	Volume Released (bbls) 21	Volume Recovered (bbls) 7
☑ Produced Water	Volume Released (bbls) 19	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☑ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

A pin hole formed in the production tank due to corrosion which allowed for the release of Crude Oil and Produced Water.

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	2RP-5436
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☑ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? Greater than 25 barrels of fluid was released.

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
Yes, email notification to Rob Hamlet, Victoria Venegas, Mark Naranjo, and Ryan Mann on May 6, 2019, at 9:14 a.m. Email was sent by Katie Jamison.

Initial Response

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

☑ The source of the release has been stopped.
☑ The impacted area has been secured to protect human health and the environment.
☑ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☑ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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

Printed Name: Chase Settle Title: Rep Safety and Environmental II

Signature: Chase Settle Date: 05/16/2019

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	2RP-5436
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?	75 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☑ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☑ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☑ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☑ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☑ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☑ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☑ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☑ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☑ No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: ***Each of the following items must be included in the report.***

- ☑ 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-5436
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: October 4, 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	2RP-5436
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: Chase Settle Title: Rep Safety and Environmental II

Signature: Chase Settle Date: 10-4-2019

email: Chase_Settle@eogresources.com Telephone: 575-748-1471

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____