State of New Mexico
Oil Conservation Division

Incident ID	NJMW1325447866
District RP	
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?	<50' (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.

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NJMW1325447866
District RP	
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: Dale Woodall Title: EHS Professional

Signature: Dale Woodall Date: 3/6/2023

email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: Jocelyn Harimon Date: 03/06/2023

State of New Mexico
Oil Conservation Division

Incident ID	NJMW1325447866
District RP	
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.***

[x] A scaled site and sampling diagram as described in 19.15.29.11 NMAC

[x] 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)

[x] Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

[x] 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: Dale Woodall Title: EHS Professional

Signature: Dale Woodall Date: 3-6-2023

email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: Jocelyn Harimon Date: 03/06/2023

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: Ashley Maxwell Date: 3/7/2023

Printed Name: Ashley Maxwell Title: Environmental Specialist

Pima Environmental Services
5614 N. Lovington Highway
Hobbs, NM 88240
575-964-7740

March 3rd, 2023

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

Bureau of Land Management
620 East Green Street
Carlsbad, NM 88220

Re: Site Assessment, Remediation, and Closure Report
Aquila 22 Fed Com 4H
API No. 30-015-41159
GPS: Latitude 32.6442938 Longitude -103.8492756
UL -- I, Sec. 22, T19S, R31E
Eddy County, NM
NMOCD Ref. No. NJMW1325447866

Pima Environmental Services, LLC. (Pima) has been contracted by Devon Energy Production Company, LP (Devon) to perform a spill assessment, remediation activities, and submit this closure report for a 15% HCL Acid release that occurred at the Aquila 22 Fed Com 4H (Aquila). The initial C-141 was submitted on September 10th, 2013 (Appendix C). This incident was assigned Incident ID NJMW1325447866 by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The Aquila is located approximately fourteen (14) miles southeast of Loco Hills, NM. This spill site is in Unit I, Section 22, Township 19S, Range 31E, Latitude 32.6442938 Longitude -103.8492756, Eddy County, NM. Figure 1 references a Location Map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is in the Eolian and Piedmont deposits (Holocene to middle Pleistocene). The soil in this area is made up of Berino complex, 0 to 3 percent slopes according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage courses in this area are well-drained. There is a low potential for karst geology to be present in the area of the Aquila (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 130 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is greater than 166 feet BGS. The closest waterway is an unnamed salt playa, located approximately 6.29 miles to the northwest of this location. See Appendix A for referenced water surveys.

Table 1 NMAC and Closure Criteria 19.15.29					
Depth to Groundwater (Appendix A)	Constituent & Limits				
	Chlorides	Total TPH	GRO+DRO	BTEX	Benzene
<50' (Lack of GW)	600 mg/kg	100 mg/kg		50 mg/kg	10 mg/kg
51-100'	10,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg
>100'	20,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg

Reference Figure 2 for a Topographic Map.

Release Information

NJMW1325447866: On August 29th, 2013, the contract Operations Coordinator for Raging Bull arrived at 6:48 am and discovered the 15% HCL acid was leaking from the front manifold of the frac tank. He closed the butterfly valve isolating the manifold from the frac tank, which slowed down the leak. He notified the Devon consultant who called for vacuum trucks, backhoe, dump truck with sand and for new coated frac tanks to begin cleaning up. Approximately 167 barrels of 15% HCL Acid was released, and 82 barrels were recovered.

Remediation Activities, Site Assessment, and Soil Sampling Results

On February 17th, 2023, Pima Environmental mobilized personnel to the Aquila to assess the impacted area. Pima sampled the areas surrounding the area underlying the frac tank manifold release and collected a total of fifteen soil samples for laboratory analysis. Five bottom samples (S1-S5) were collected at depths of 1 and 4 feet to determine vertical delineation. Additionally, side wall samples (SW1-SW4) were collected at a depth of 6 inches to determine horizontal delineation. One background sample (BG-1) was collected to assess naturally occurring Chloride levels. An initial site map can be found in Figure 4.

2-17-23 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY - AQUILLA 22 FED COM 4H								
Sample Date: 2/17/23	NM Approved Laboratory Results							
Sample ID	Depth (BGS)							Total Corrosivity PH Units
S-1	1'							8.43
	4'							8.23
S-2	1'							8.63
	4'							8.23
S-3	1'							8.47
	4'							8.09
S-4	1'							8.39
	4'							7.66
S-5	1'							8.45
	4'							7.71
SW 1	6"							8.2
SW 2	6"							8.14
SW 3	6"							8.16
SW 4	6"							8.19
BG-1	6"							8.17

ND: Analyte Non-Detect

Based on the sample results, the bottoms and sidewalls are below NMOCD Closure Criteria 19.15.29 NMAC. We believe the impacted area has been adequately remediated. See Appendix D for Photographic Documentation.

Closure Request

Due to analytical levels falling below NMOCD closure criteria, no further action is required.

After careful review, Pima requests that this incident, NJMW1325447866 be closed. Devon has complied with the applicable closure requirements set forth in rule 19.15.19.12 NMAC.

Should you have any questions or need additional information, please feel free to contact Sebastian Orozco at 619-721-4813 or Sebastian@pimaoil.com.

Respectfully,

Sebastian Orozco

Sebastian Orozco
Environmental Professional
Pima Environment Services, LLC

Attachments

Figures:
1- Location Map
2- Topographic Map
3- Karst Map
4- Initial Site Map

Appendices:
Appendix A – Referenced Water Surveys
Appendix B – Soil Survey and Geological Data
Appendix C – C-141 Form
Appendix D – Photographic Documentation
Appendix E – Laboratory Reports

Pima Environmental Services

Figures:

1-Location Map

2-Topographic Map

3-Karst Map

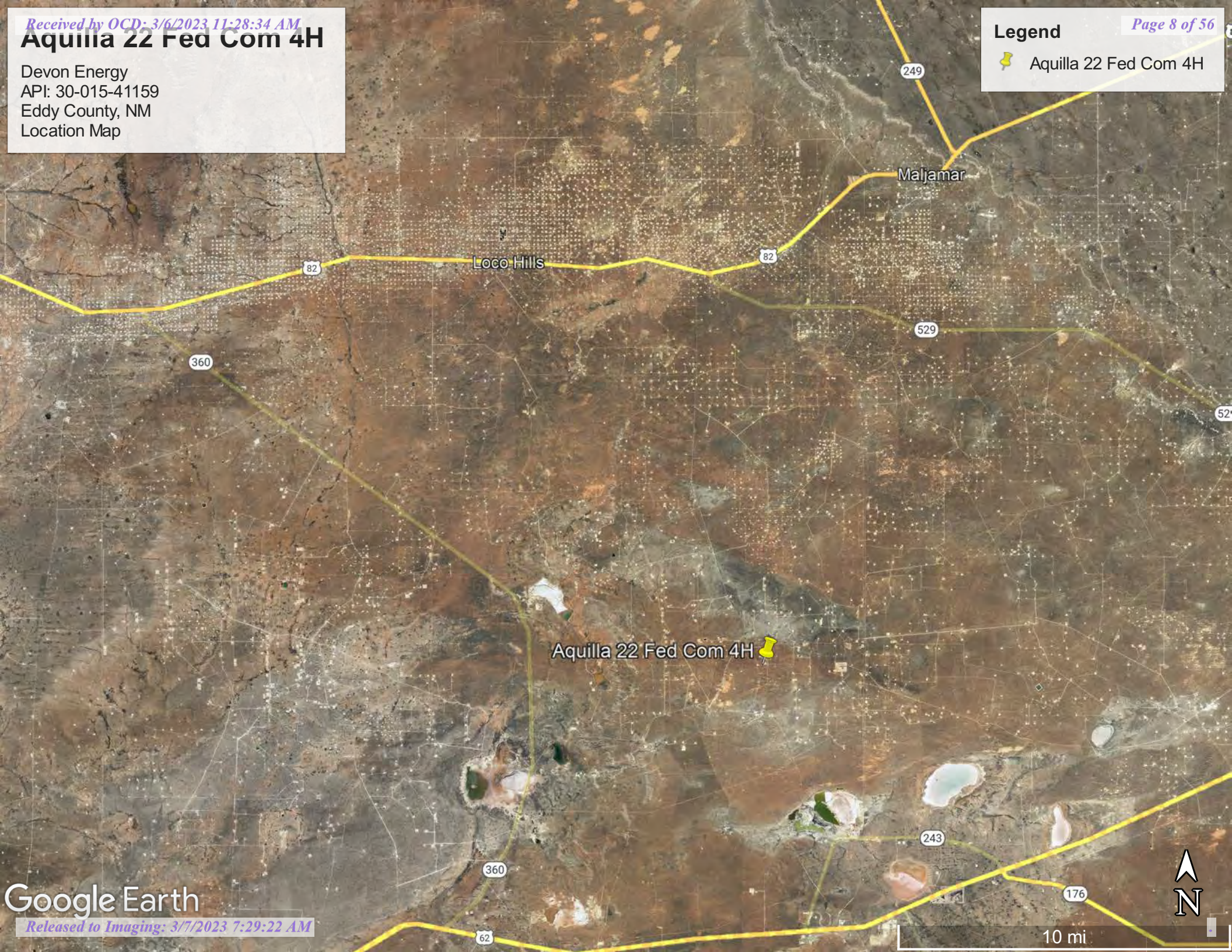
4-Site Map

Aquilla 22 Fed Com 4H

Devon Energy
API: 30-015-41159
Eddy County, NM
Location Map

Legend

Aquilla 22 Fed Com 4H

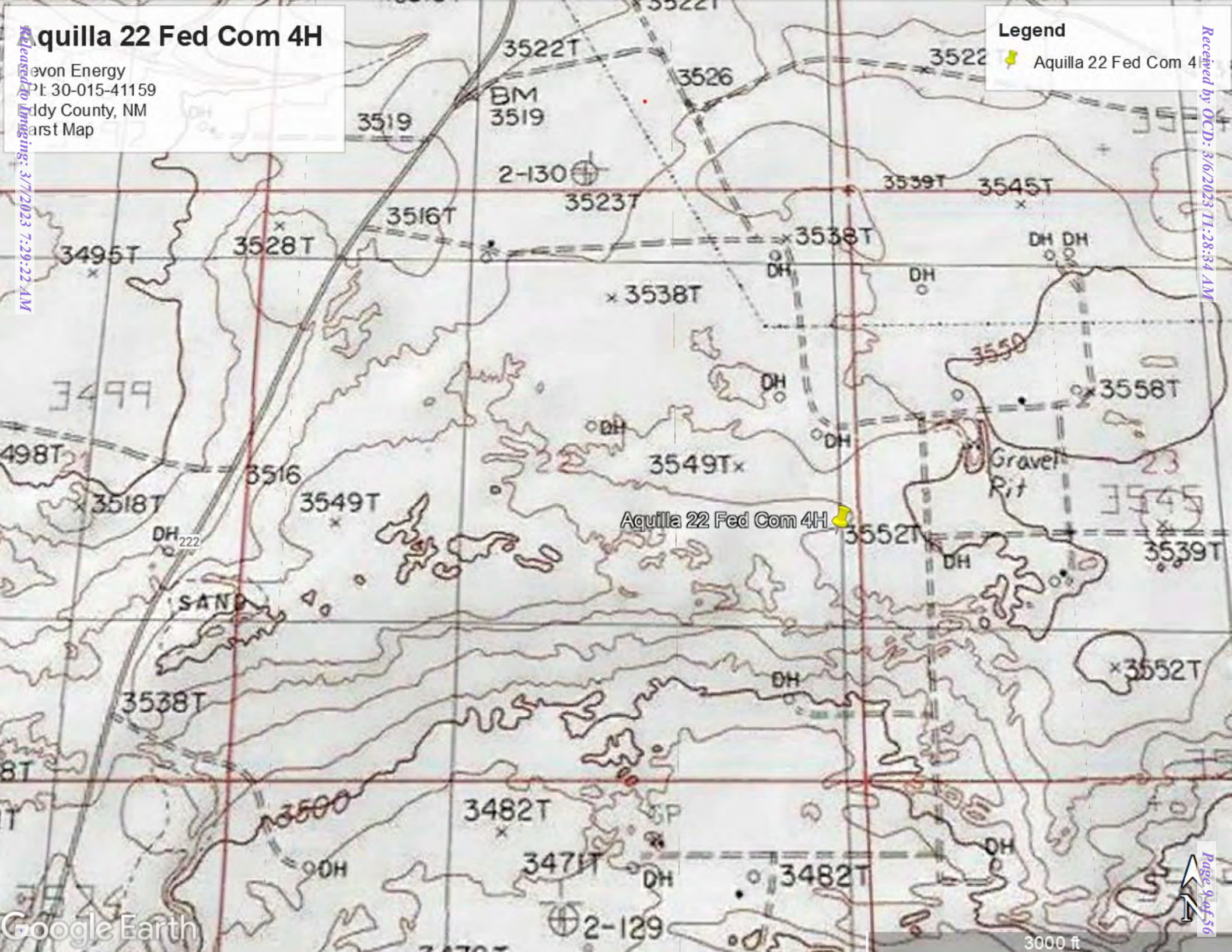


Aquilla 22 Fed Com 4H

Devon Energy
API: 30-015-41159
Eddy County, NM
Vicinity Map

Legend

Aquilla 22 Fed Com 4H

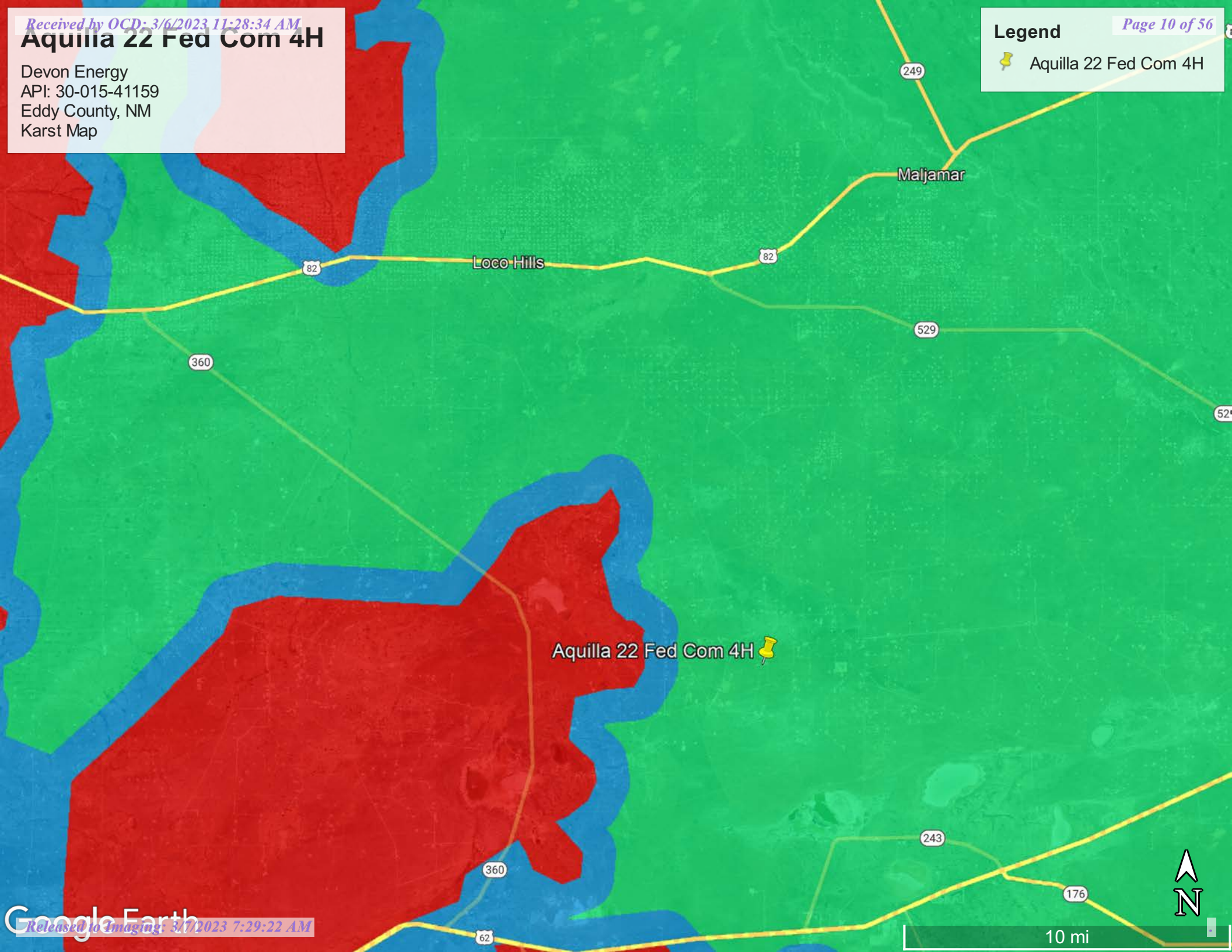


Aquilla 22 Fed Com 4H

Devon Energy
API: 30-015-41159
Eddy County, NM
Karst Map

Legend

Aquilla 22 Fed Com 4H



Aquila 22 Fed Com 4H

Devon Energy
API:30-015-41159
Eddy County, NM
NJMW1325447866
Site Map

Legend

- 7866 Release Area
- Side Wall Sample
- Soil Sample

Google Earth

N

100 ft

Pima Environmental Services

Appendix A

Water Surveys:

OSE

USGS

Surface Water Map

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

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

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

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Twn	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 01554 POD2		CP	LE	2	2	1	22	19S	31E	607165	3613322	1167	400		
CP 01554 POD1		CP	LE	2	2	1	22	19S	31E	607166	3613354	1192	400		
CP 00829 POD1		CP	LE		2	4	16	19S	31E	606165	3614009*	2361	120		
CP 01864 POD1		CP	ED	4	2	1	34	19S	31E	607068	3609824	2752	110		
CP 00642 POD1		CP	ED		2	2	25	19S	31E	611025	3611657*	3193	250		
CP 00722 POD1		CP	LE	4	3	3	28	19S	31E	605106	3610273*	3557	200		
CP 00722 POD1	R	CP	LE	4	3	3	28	19S	31E	605106	3610273*	3557	200		
CP 00725 POD1		CP	ED	1	3	3	28	19S	31E	604906	3610473*	3605	231		
CP 00641 POD1		CP	ED		4	1	36	19S	31E	610247	3609634*	3638	300	130	170
CP 00722 POD3		CP	LE	2	4	1	33	19S	31E	605519	3609673*	3668	220	140	80
CP 00723 POD1		CP	ED	2	1	1	33	19S	31E	605111	3610071*	3680	139		
CP 00563 POD1		CP	LE	1	1	2	19	19S	32E	612118	3613376*	4292	300		
CP 00640 POD1		CP	LE		2	2	19	19S	32E	612621	3613280*	4766	260	102	158

Average Depth to Water: **124 feet**
Minimum Depth: **102 feet**
Maximum Depth: **140 feet**

Record Count: 13

UTMNAD83 Radius Search (in meters):

Easting (X): 607929 **Northing (Y):** 3612438.54 **Radius:** 5000

***UTM location was derived from PLSS - see Help**

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: United States | GO

Click to hideNews Bulletins

- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

site_no list =

- 323810103511401

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

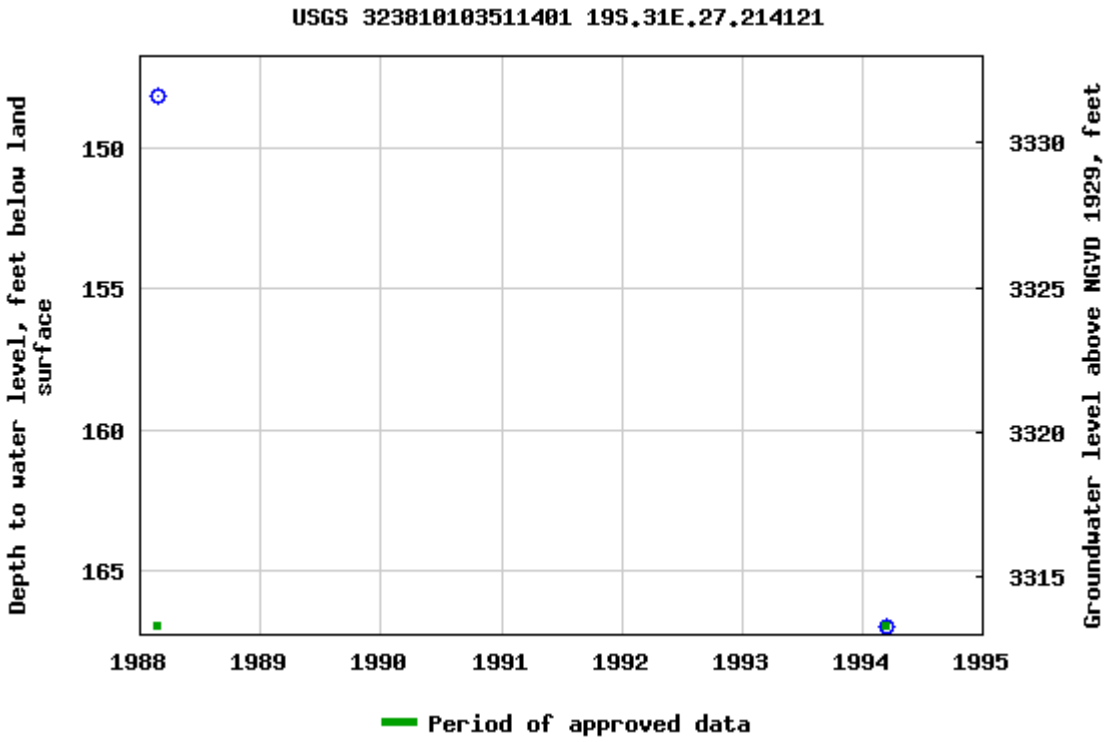
USGS 323810103511401 19S.31E.27.214121

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

Eddy County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°38'10", Longitude 103°51'14" NAD27
Land-surface elevation 3,480 feet above NGVD29
The depth of the well is 210.00 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Santa Rosa Sandstone (231SNRS) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period



Breaks in the plot represent a gap of at least one year between field measurements.
Download a presentation-quality graph

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

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: 2023-01-24 11:33:55 EST
0.59 0.51 nadww01

Aquilla 22 Fed Com 4H

Devon Energy
API: 30-015-41159
Eddy County, NM
Surface Water Map

Legend

- 6.29 Miles
- Aquilla 22 Fed Com 4H

Pima Environmental Services

Appendix B

Soil Survey & Geological Data

FEMA Flood Map

Wetlands Map

Eddy Area, New Mexico

BB—Berino complex, 0 to 3 percent slopes, eroded

Map Unit Setting

National map unit symbol: 1w43
Elevation: 2,000 to 5,700 feet
Mean annual precipitation: 5 to 15 inches
Mean annual air temperature: 57 to 70 degrees F
Frost-free period: 180 to 260 days
Farmland classification: Not prime farmland

Map Unit Composition

Berino and similar soils: 60 percent
Pajarito and similar soils: 25 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Berino

Setting

Landform: Fan piedmonts, plains
Landform position (three-dimensional): Riser
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 17 inches: fine sand
H2 - 17 to 58 inches: sandy clay loam
H3 - 58 to 60 inches: loamy sand

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 40 percent
Salinity, maximum in profile: Very slightly saline to slightly saline (2.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum in profile: 1.0
Available water storage in profile: Moderate (about 8.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: B
Ecological site: Loamy Sand (R042XC003NM)
Hydric soil rating: No

Description of Pajarito

Setting

Landform: Interdunes, plains, dunes
Landform position (three-dimensional): Side slope
Down-slope shape: Linear, convex
Across-slope shape: Linear, convex
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 9 inches: loamy fine sand
H2 - 9 to 72 inches: fine sandy loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 40 percent
Salinity, maximum in profile: Nonsaline (0.0 to 1.0 mmhos/cm)
Sodium adsorption ratio, maximum in profile: 1.0
Available water storage in profile: Moderate (about 8.0 inches)

Interpretive groups

Land capability classification (irrigated): 2e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: A
Ecological site: Loamy Sand (R042XC003NM)
Hydric soil rating: No

Minor Components

Cacique

Percent of map unit: 4 percent
Ecological site: Sandy (R042XC004NM)
Hydric soil rating: No

Pajarito

Percent of map unit: 4 percent
Ecological site: Loamy Sand (R042XC003NM)
Hydric soil rating: No

Wink

Percent of map unit: 4 percent
Ecological site: Loamy Sand (R042XC003NM)
Hydric soil rating: No

Kermit

Percent of map unit: 3 percent
Ecological site: Deep Sand (R042XC005NM)
Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 16, Jun 8, 2020

National Flood Hazard Layer FIRMette

FEMA

103°51'16"W 32°38'56"N

103°50'39"W 32°38'25"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

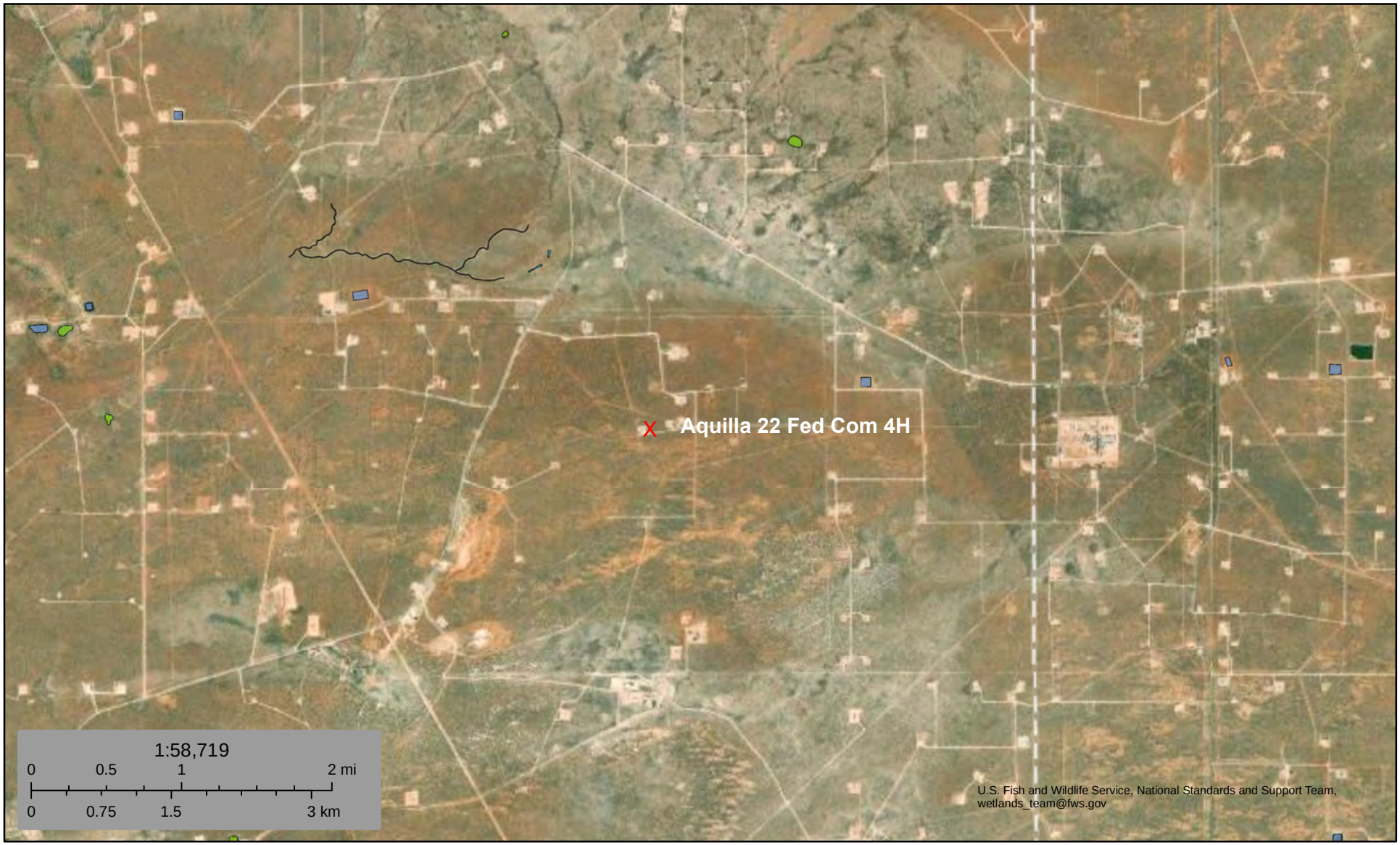
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 3/3/2023 at 12:13 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

U.S. Fish and Wildlife Service
National Wetlands Inventory

Wetlands Map



January 24, 2023

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

Pima Environmental Services

Appendix C

C-141 Form

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

RECEIVED
SEP 19 2013
OCD ARTESIA

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

nJMW1325447866o

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	**Devon Energy (#6137) Production**	Contact:	**Denise Menoud**
Address	**PO Box 250 Artesia, NM 88211**	Telephone No.	**575- 746-5544**
Facility Name	**Aquila 22 Fed Com #4H**	Facility Type	**Well**

Surface Owner: **BLM**	Mineral Owner	API No. **30-015-41159**

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
I	**22**	**19S**	**31E**	**2030**	**South**	**225**	**East**	**Eddy**

Latitude: ___ Longitude:__

NATURE OF RELEASE

Type of Release **15% HCL Acid**	Volume of Release: **167 bbls**	Volume Recovered **82 bbls**
Source of Release **Frac Tank**	Date and Hour of Occurrence **8/29/2013 6:48 AM**	Date and Hour of Discovery **8/29/2013 6:48 AM**
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? **1) Jim Amos, BLM–Carlsbad, NM and 2) Mike Bratcher, NMOCD–Artesia, NM**	
By Whom? **Tony Bunch, Devon Completions Foreman**	Date and Hour **1) 8/29/13 1:45 pm 2) 8/29/13 2:15 pm**	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*
NA

Describe Cause of Problem and Remedial Action Taken.*
The contract Operations Coordinator for Raging Bull arrived at 6:48 AM and discovered the 15% HCL acid was leaking from the front manifold of the frac tank. He closed the butterfly valve isolating the manifold from the frac tank, which slowed down the leak. He notified the Devon consultant who called for vacuum trucks, backhoe, dump truck with sand and for new coated frac tanks to begin clean up. The leaks were coming from new welds on the manifold. Either the manifold was not recoated after welding or the coating was poorly applied.

Describe Area Affected and Cleanup Action Taken.*
A large area around the frac tanks and a 20' x 20' off location were affected. Approximately ½ of the acid was recovered by vacuum trucks and the rest was covered by sand. The BLM advised this was satisfactory until Devon's operations were complete and then final cleanup and restoration would be required.

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: D. Menoud

Printed Name: **Denise Menoud**

Title: **Field Admin Support**

E-mail Address: **Denise.Menoud@ dvn.com**

Date: **9/9/2013** Phone: **575-746-5544**

OIL CONSERVATION DIVISION

Approved by Environmental Specialist: Signed By Mike Bratcher

Approval Date: SEP 11 2013 Expiration Date:

Conditions of Approval:
Remediation per OCD Rule & Guidelines, & like approval by BLM. SUBMIT REMEDIATION PROPOSAL NO LATER THAN:
October 11, 2013

Attached ☐

2RP-1902

* Attach Additional Sheets If Necessary

State of New Mexico
Oil Conservation Division

Incident ID	NJMW1325447866
District RP	
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?	<50' (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.

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NJMW1325447866
District RP	
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: Dale Woodall Title: EHS Professional

Signature: Dale Woodall Date: 3/6/2023

email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	NJMW1325447866
District RP	
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.***

[x] A scaled site and sampling diagram as described in 19.15.29.11 NMAC

[x] 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)

[x] Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

[x] 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: Dale Woodall Title: EHS Professional

Signature: Dale Woodall Date: 3-6-2023

email: dale.woodall@dvn.com Telephone: 575-748-1838

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 D

Photographic Documentation

SITE PHOTOGRAPHS
DEVON ENERGY
AQUILA 22 FED COM #4H

Site Assessment


32.64455342N 103.84953858W
Aquila 22 fed com 4h
Assessment
Devon


32.64445551N 103.84960351W
Aquila 22 fed com 4h
Assessment
Devon


32.64437174N 103.84948485W
Aquila 22 fed com 4h
Assessment
Devon


32.64453478N 103.84933388W
Aquila 22 fed com 4h
Assessment
Devon


32.6446133N 103.84942234W
Aquila 22 fed com 4h
Assessment
Devon

Pima Environmental Services

Appendix E

Laboratory Reports

Report to:

Tom Bynum

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name:	Aquila 22 Fed Com 4H
Work Order:	E302093
Job Number:	01058-0007
Received:	2/22/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/24/23

Date Reported: 2/24/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Aquila 22 Fed Com 4H
Workorder: E302093
Date Received: 2/22/2023 7:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/22/2023 7:00:00AM, under the Project Name: Aquila 22 Fed Com 4H.

The analytical test results summarized in this report with the Project Name: Aquila 22 Fed Com 4H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Aquila 22 Fed Com 4H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	02/24/23 10:11

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 - 1'	E302093-01A	Soil	02/17/23	02/22/23	Glass Jar, 2 oz.
S1 - 4'	E302093-02A	Soil	02/17/23	02/22/23	Glass Jar, 2 oz.
S2 - 1'	E302093-03A	Soil	02/17/23	02/22/23	Glass Jar, 2 oz.
S2 - 4'	E302093-04A	Soil	02/17/23	02/22/23	Glass Jar, 2 oz.
S3 - 1'	E302093-05A	Soil	02/17/23	02/22/23	Glass Jar, 2 oz.
S3 - 4'	E302093-06A	Soil	02/17/23	02/22/23	Glass Jar, 2 oz.
S4 - 1'	E302093-07A	Soil	02/17/23	02/22/23	Glass Jar, 2 oz.
S4 - 4'	E302093-08A	Soil	02/17/23	02/22/23	Glass Jar, 2 oz.
S5 - 1'	E302093-09A	Soil	02/17/23	02/22/23	Glass Jar, 2 oz.
S5 - 4'	E302093-10A	Soil	02/17/23	02/22/23	Glass Jar, 2 oz.
SW1	E302093-11A	Soil	02/17/23	02/22/23	Glass Jar, 2 oz.
SW2	E302093-12A	Soil	02/17/23	02/22/23	Glass Jar, 2 oz.
SW3	E302093-13A	Soil	02/17/23	02/22/23	Glass Jar, 2 oz.
SW4	E302093-14A	Soil	02/17/23	02/22/23	Glass Jar, 2 oz.
BG1	E302093-15A	Soil	02/17/23	02/22/23	Glass Jar, 2 oz.

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Aquila 22 Fed Com 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/24/2023 10:11:44AM

S1 - 1'

E302093-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Corrosivity by 9045D/9040C	pH Units	pH Units	Analyst: KF			Batch: 2308022
pH @25°C	**8.43**		1	02/22/23	02/22/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Aquila 22 Fed Com 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/24/2023 10:11:44AM

S1 - 4'

E302093-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Corrosivity by 9045D/9040C	pH Units	pH Units	Analyst: KF			Batch: 2308022
pH @25°C	**8.23**		1	02/22/23	02/22/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Aquila 22 Fed Com 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/24/2023 10:11:44AM

S2 - 1'

E302093-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Corrosivity by 9045D/9040C	pH Units	pH Units	Analyst: KF			Batch: 2308022
pH @25°C	**8.63**		1	02/22/23	02/22/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Aquila 22 Fed Com 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/24/2023 10:11:44AM

S2 - 4'

E302093-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Corrosivity by 9045D/9040C	pH Units	pH Units	Analyst: KF			Batch: 2308022
pH @25°C	**8.23**		1	02/22/23	02/22/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Aquila 22 Fed Com 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/24/2023 10:11:44AM

S3 - 1'

E302093-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Corrosivity by 9045D/9040C	pH Units	pH Units	Analyst: KF			Batch: 2308022
pH @25°C	**8.47**		1	02/22/23	02/22/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Aquila 22 Fed Com 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/24/2023 10:11:44AM

S3 - 4'

E302093-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Corrosivity by 9045D/9040C	pH Units	pH Units	Analyst: KF			Batch: 2308022
pH @25°C	**8.09**		1	02/22/23	02/22/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Aquila 22 Fed Com 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/24/2023 10:11:44AM

S4 - 1'

E302093-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Corrosivity by 9045D/9040C	pH Units	pH Units	Analyst: KF			Batch: 2308022
pH @25°C	**8.39**		1	02/22/23	02/22/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Aquila 22 Fed Com 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/24/2023 10:11:44AM

S4 - 4'

E302093-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Corrosivity by 9045D/9040C	pH Units	pH Units	Analyst: KF			Batch: 2308022
pH @25°C	**7.66**		1	02/22/23	02/22/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Aquila 22 Fed Com 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/24/2023 10:11:44AM

S5 - 1'

E302093-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Corrosivity by 9045D/9040C	pH Units	pH Units	Analyst: KF			Batch: 2308022
pH @25°C	**8.45**		1	02/22/23	02/22/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Aquila 22 Fed Com 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/24/2023 10:11:44AM

S5 - 4'

E302093-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Corrosivity by 9045D/9040C	pH Units	pH Units	Analyst: KF			Batch: 2308022
pH @25°C	**7.71**		1	02/22/23	02/22/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Aquila 22 Fed Com 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/24/2023 10:11:44AM

SW1

E302093-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Corrosivity by 9045D/9040C	pH Units	pH Units	Analyst: KF			Batch: 2308022
pH @25°C	**8.20**		1	02/22/23	02/22/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Aquila 22 Fed Com 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/24/2023 10:11:44AM

SW2

E302093-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Corrosivity by 9045D/9040C	pH Units	pH Units	Analyst: KF			Batch: 2308022
pH @25°C	**8.14**		1	02/22/23	02/22/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Aquila 22 Fed Com 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/24/2023 10:11:44AM

SW3

E302093-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Corrosivity by 9045D/9040C	pH Units	pH Units	Analyst: KF			Batch: 2308022
pH @25°C	**8.16**		1	02/22/23	02/22/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Aquila 22 Fed Com 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/24/2023 10:11:44AM

SW4

E302093-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Corrosivity by 9045D/9040C	pH Units	pH Units	Analyst: KF			Batch: 2308022
pH @25°C	**8.19**		1	02/22/23	02/22/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Aquila 22 Fed Com 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/24/2023 10:11:44AM

BG1

E302093-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Corrosivity by 9045D/9040C	pH Units	pH Units	Analyst: KF			Batch: 2308022
pH @25°C	**8.17**		1	02/22/23	02/22/23	

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Aquila 22 Fed Com 4H	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	2/24/2023 10:11:44AM

Corrosivity by 9045D/9040C

Analyst: KF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	pH Units	pH Units	pH Units	pH Units	%	%	%	%	
LCS (2308022-BS1)							Prepared: 02/22/23 Analyzed: 02/22/23		
pH	8.00		8.00		100	98.75-101.25			
Duplicate (2308022-DUP1)				**Source: E302093-01**			Prepared: 02/22/23 Analyzed: 02/22/23		
pH	8.37			8.43			0.714	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Aquila 22 Fed Com 4H	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	02/24/23 10:11

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Project Information | Chain of Custody | Page 1 of 2

Client: Pima Environmental Services	
Project: Aquila 22 Fed Com 4H	
Project Manager: Tom Bynum	
Address: 5614 N. Lovington Hwy.	
City, State, Zip Hobbs, NM, 88240	
Phone: 580-748-1613	
Email: tom@pimaoil.com	
Report due by:	

Bill To

Attention: Devon	
Address:	
City, State, Zip	
Phone:	
Email:	
Pima Project # 1-20	

Lab Use Only

Lab WO#	Job Number
E302093	01058-0007

TAT

1D	2D	3D	Standard
			X

EPA Program

CWA	SDWA
	RCRA

State

NM	CO	UT	AZ	TX	
X					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	EPA Method 9040/9035	BGDOC NM	BGDOC TX	Remarks
9:40	2/17/23	S	1	S1-1'	1							X			
9:45				S1-4'	2										
9:50				S2-1'	3										
9:55				S2-4'	4										
10:00				S3-1'	5										
10:05				S3-4'	6										
10:10				S4-1'	7										
10:15				S4-4'	8										
10:20				S5-1'	9										
10:25				S5-4'	10										

Additional Instructions: Billing Number: NONE

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Dominic G

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
AB	2.21.23	2:00	Michelle Campos	2.21.23	1400
Michelle Campos	2.21.23	1630	Lorenzo Lei	2-21-23	1645
Lorenzo Lei	2-21-23	2230	Irene Zaffa	2/22/23	7:00

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4.0

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Project Information | Chain of Custody | Page 2 of 2

Client: Pima Environmental Services	
Project: Aquila 22 Fed com 4H	
Project Manager: Tom Bynum	
Address: 5614 N. Lovington Hwy.	
City, State, Zip Hobbs, NM, 88240	
Phone: 580-748-1613	
Email: tom@pimaoil.com	
Report due by:	

Bill To

Attention:	
Address:	
City, State, Zip	
Phone:	
Email:	
Pima Project #	

Lab Use Only

Lab WO#	Job Number
E302093	01058-0007

TAT

1D	2D	3D	Standard
			X

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX	
X					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	EPA Method 5040/9045	BGDOC NM	BGDOC TX	Remarks
10:30	2/17/23	S	1	SW1	11							X			
10:35				SW2	12										
10:40				SW3	13										
10:45				SW4	14										
10:50				BG1	15										

Additional Instructions: Billing Number:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Dominic G

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	2-21-23	2:00	Michelle Cruz	2-21-23	1400
Michelle Cruz	2-21-23	1630	Lorenzo Lei	2-21-23	1645
Lorenzo Lei	2-21-23	2230	Irene Zozzi	2/22/23	7:00

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4.0

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 2/22/2023 8:48:54AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Pima Environmental Services-Carlsbad	Date Received:	02/21/23 07:00	Work Order ID:	E302093
Phone:	(575) 631-6977	Date Logged In:	02/21/23 15:21	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	02/27/23 07:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	No	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

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 193600

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 193600
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	None	3/7/2023