State of New Mexico
Oil Conservation Division

Incident ID	NTO1415447716
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	NTO1415447716
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: 1/23/2023

email: dale.woodall@dvn.com Telephone: 405-318-4697

OCD Only

Received by: Jocelyn Harimon Date: 01/23/2023

State of New Mexico
Oil Conservation Division

Incident ID	NTO1415447716
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: 1/20/2023

email: dale.woodall@dvn.com Telephone: 405-318-4697

OCD Only

Received by: Jocelyn Harimon Date: 01/23/2023

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: _____ Date: _____

Printed Name: _____ Title: _____

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

January 19, 2023

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

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

Re: Site Assessment, Liner Inspection, and Closure Report
Rio Blanco 4 Federal Com #003
API No. 30-025-36425
GPS: Latitude 32.3309593 Longitude -103.4718094
UL -- J, 4, T23S, R34E
Lea County, NM
NMOCD Ref. No. NTO1415447716

Pima Environmental Services, LLC. (Pima) has been contracted by Devon Energy Production Company, LP (Devon) to perform a liner inspection, spill assessment, remediation activities, and to submit this closure report for a produced water release that occurred at the Rio Blanco 4 Federal Com #003 (Rio Blanco). The initial C-141 was submitted on June 30, 2014 (Appendix C). This incident was assigned Incident ID NTO1415447716 by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The Rio Blanco is located approximately twenty (20) miles southwest of Eunice, NM. This spill site is in Unit J, Section 4, Township 23S, Range 34E, Latitude 32.3309593 Longitude -103.4718094, Lea County, NM. Figure 1 references a Location Map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is made up of Interlayered eolian sands and piedmont-slope deposits along the eastern flank of the Pecos River valley, primarily between Roswell and Carlsbad. Typically capped by thin eolian deposits. The soil in this area is made up of Pyote and Maljamar fine sands, 0 to 3 percent slopes according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage class in this area is well drained. There is a low potential for karst geology to be present around the Rio Blanco (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 285 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is 135 feet BGS. The closest waterway is a Salt Playa located approximately 3.56 miles to the southeast 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 data)	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

NTO1415447716: On May 30,2014, the needle valve came out of the pipe which connected the charge pump causing a produced water release. The released fluids were calculated to be approximately 65 barrels (bbls) of produced water. Vacuum trucks were able to recover approximately 60 bbls of fluid from the lined SPCC containment ring, and 5 bbls of standing fluid from outside the containment. Once fluids were removed, the liner was visually inspected by Devon field staff for any pinholes or punctures.

Site Assessment and Soil Sampling Results

On January 11, 2023, Pima mobilized personnel to the site to assess the area. We sampled the impacted area. Laboratory results of this sampling event can be found in the following data table. A Site Map can be found in Figure 4.

1-11-23 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY -RIO BLANCO 4 FED COM 3								
Sample Date: 1/11/2023		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
BG 1	6"	ND	ND	ND	ND	ND	0	ND
SW 1	6"	ND	ND	ND	ND	ND	0	ND
SW 2	6"	ND	ND	ND	ND	ND	0	ND
SW 3	6"	ND	ND	ND	ND	ND	0	ND
SW 4	6"	ND	ND	ND	ND	ND	0	ND
S-1	1'	ND	ND	ND	ND	ND	0	179
	2'	ND	ND	ND	ND	ND	0	48.7
	3'	ND	ND	ND	ND	ND	0	ND
S-2	1'	ND	ND	ND	ND	ND	0	154
	2'	ND	ND	ND	ND	ND	0	52.9
	3'	ND	ND	ND	ND	ND	0	ND
S-3	1'	ND	ND	ND	ND	ND	0	238
	2'	ND	ND	ND	ND	ND	0	49.3
	3'	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

Based on the soil sample results, the contamination levels are already less than the regulatory limits of the most stringent criteria in Table 1 of NMAC 19.15.29.1.

Complete laboratory reports can be found in Appendix E.

Site Assessment and Liner Inspection

On January 14, 2023, after sending the 48-hour Notification (Appendix C) via email, Pima Environmental conducted a liner inspection at this location. We concluded that this liner and containment maintained its integrity and was able to retain the fluids. The Liner Inspection Form and photographic documentation can be found in Appendix D.

Closure Request

After careful review, Pima requests that this incident, NTO1415447716 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 Gio Gomez at 806-782-1151 or gio@pimaoil.com.

Respectfully,

Gio Gomez

Gio Gomez
Project Manager
Pima Environmental Services, LLC

Attachments

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

Appendices:
Appendix A – Referenced Water Surveys
Appendix B – Soil Survey and Geological Data
Appendix C – C-141 Form and 48-Hour Notification
Appendix D – Liner Inspection Form & Photographic Documentation
Appendix E – Laboratory Reports

Pima Environmental Services

Figures:

1-Location Map

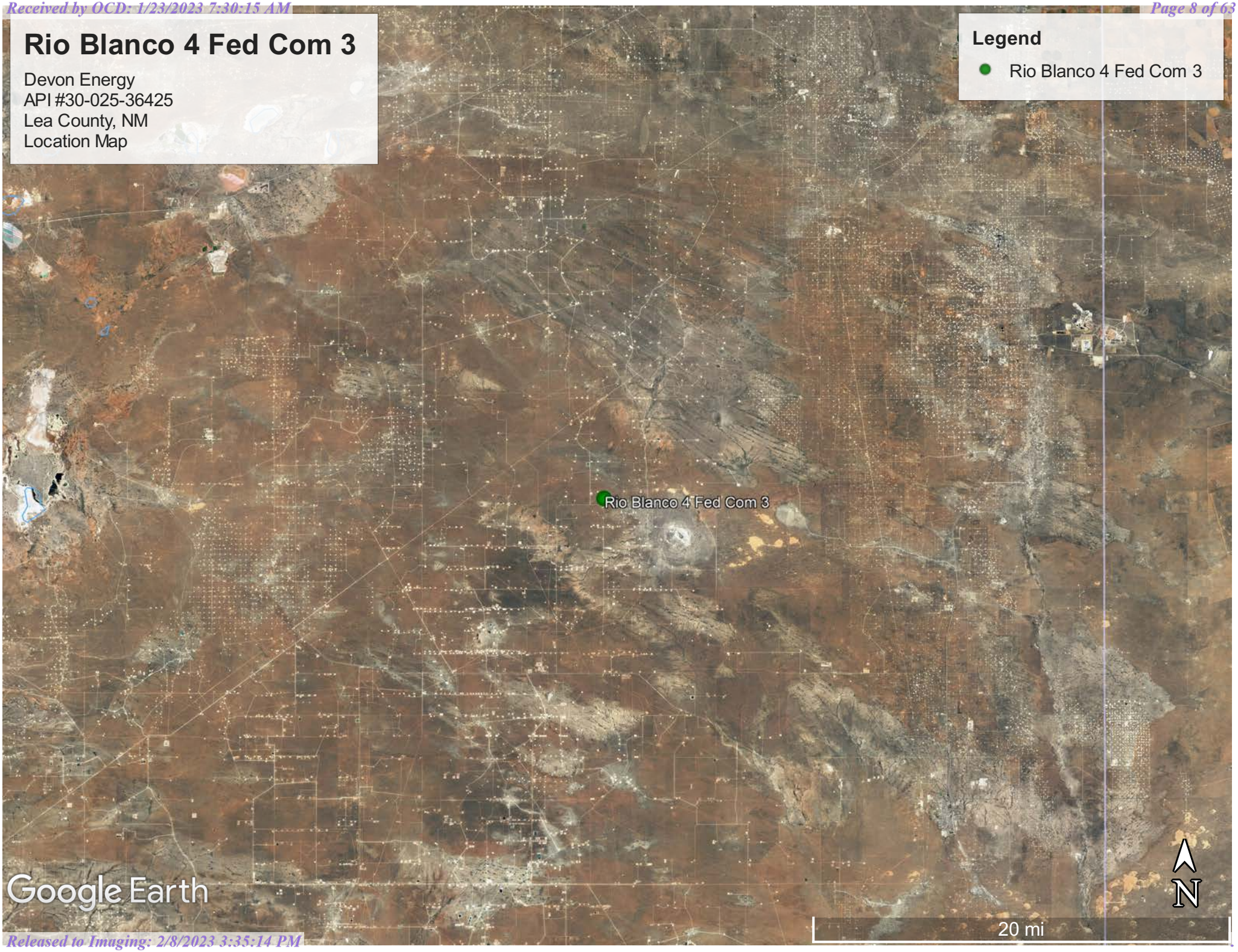
2-Topographic Map

3-Karst Map

4-Site Map

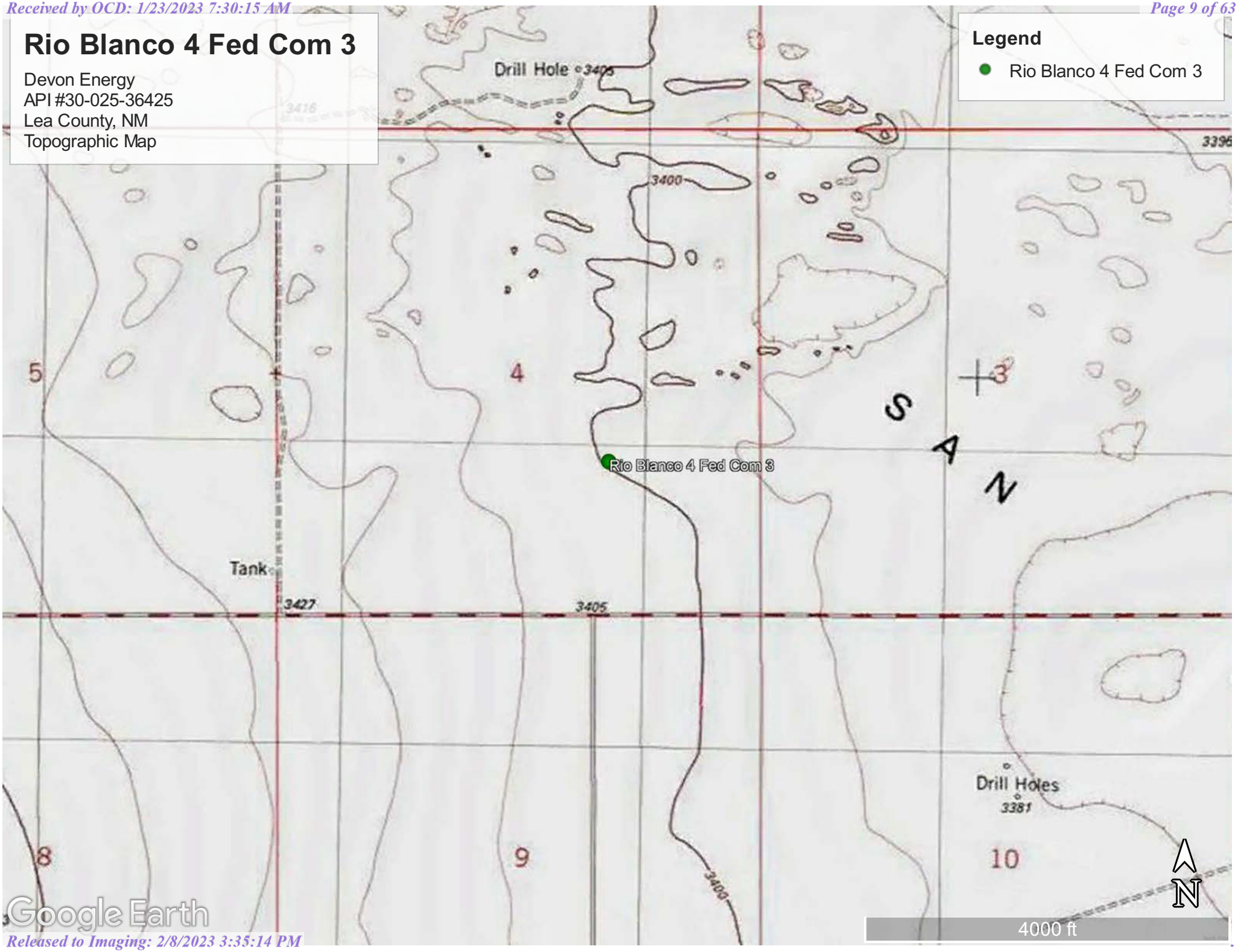
Rio Blanco 4 Fed Com 3

Devon Energy
API #30-025-36425
Lea County, NM
Location Map



Rio Blanco 4 Fed Com 3

Devon Energy
API #30-025-36425
Lea County, NM
Topographic Map



Rio Blanco 4 Fed Com 3

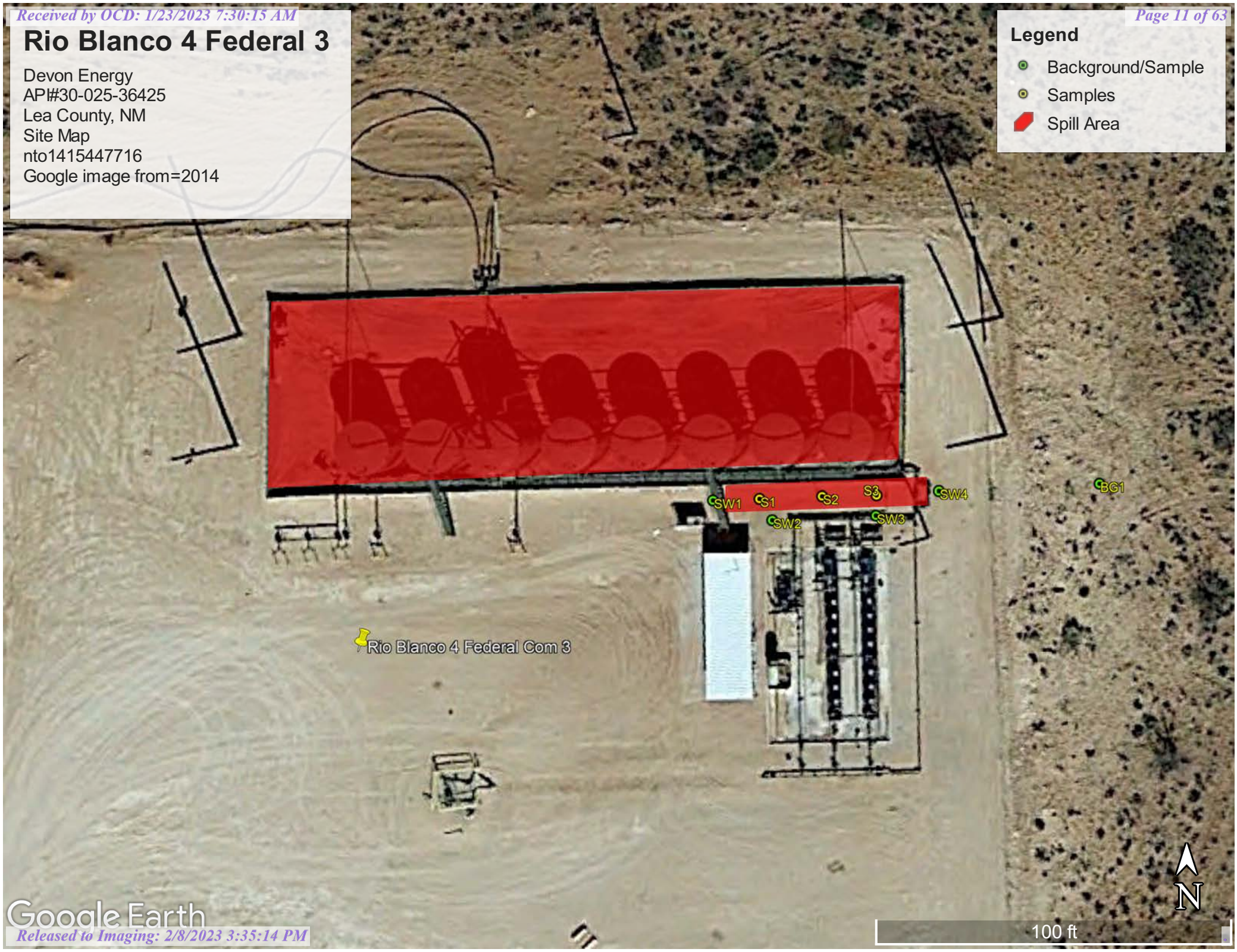
Devon Energy
API #30-025-36425
Lea County, NM
Karst Map

Rio Blanco 4 Federal 3

Devon Energy
API#30-025-36425
Lea County, NM
Site Map
nto1415447716
Google image from=2014

Legend

- Background/Sample
- Samples
- Spill Area



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	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 01622 POD1		CP	LE	1	3	3	04	23S	34E	642830	3577872	1040	575	285	290
CP 01502 POD2		CP	LE	4	3	3	05	23S	34E	642074	3577676	1820	680	300	380
CP 01760 POD1		CP	LE	3	1	2	16	23S	34E	643627	3575897	2258	767	290	477
CP 01730 POD1		CP	LE	2	2	1	16	23S	34E	643549	3575824	2338	594	200	394
CP 01706 POD1		CP	LE	4	4	2	32	22S	34E	642603	3580185	2381	340	282	58
CP 01705 POD1		CP	LE	4	4	2	32	22S	34E	642588	3580179	2383	700	305	395
CP 01829 POD1		CP	LE	4	4	2	32	22S	34E	642559	3580172	2393	1410	1150	260
CP 01502 POD1		CP	LE	4	3	3	05	23S	34E	641316	3577635	2568	648	200	448
CP 01075 POD1		CP	LE	1	1	1	08	23S	34E	641278	3577525	2629	430	20	410
CP 01740 POD1		CP	LE	1	1	1	34	22S	34E	644402	3580765	2680	600	560	40
CP 00872 POD1		CP	LE	1	1	1	08	23S	34E	641225	3577504*	2685	494	305	189
CP 01826 POD1		CP	LE	1	1	1	34	22S	34E	644379	3580778	2688	698	180	518
CP 01803 POD1		CP	LE	1	1	1	34	22S	34E	644357	3580786	2691	240	180	60
CP 00556 POD1		CP	LE	4	4	3	08	23S	34E	641762	3576206	2837	497	255	242
E 07616 POD1		E	TO							646466	3576970	2883	500	300	200

Average Depth to Water: **320 feet**
Minimum Depth: **20 feet**
Maximum Depth: **1150 feet**

Record Count: 15

UTMNAD83 Radius Search (in meters):

Easting (X): 643833 **Northing (Y):** 3578146.4 **Radius:** 3000

***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

- See the Water Data for the Nation Blog for the latest news and updates.

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

site_no list =

- 321917103303001

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

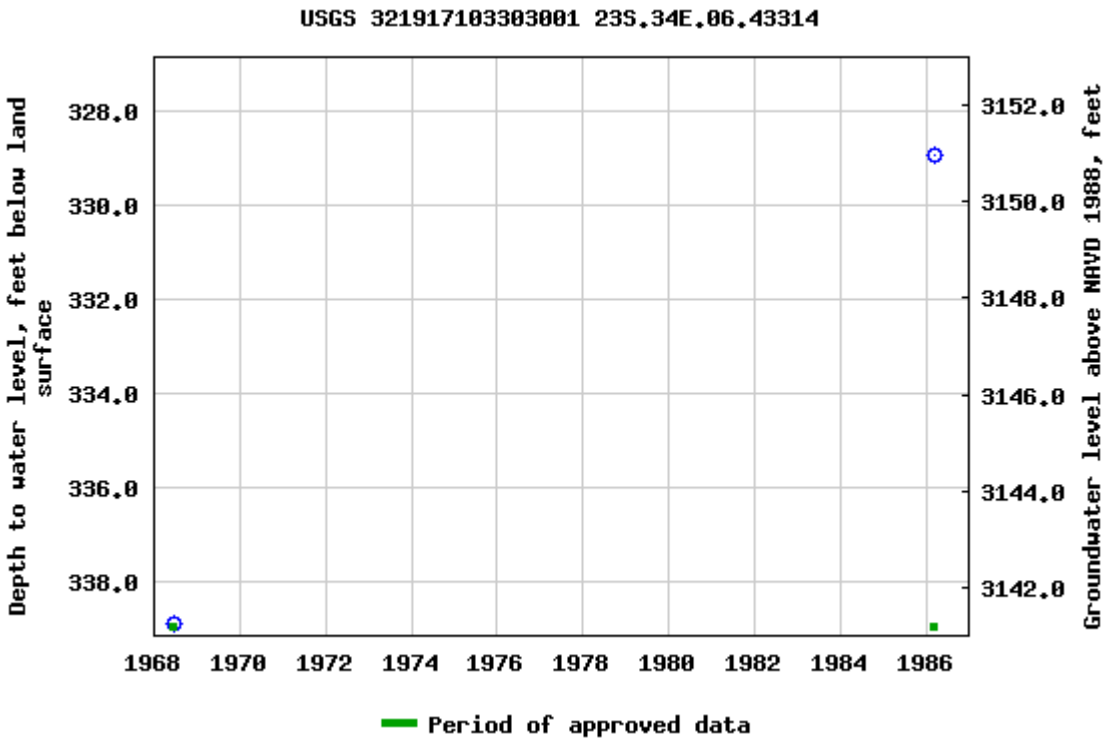
USGS 321917103303001 23S.34E.06.43314

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

Lea County, New Mexico
Hydrologic Unit Code 13070007
Latitude 32°19'17", Longitude 103°30'30" NAD27
Land-surface elevation 3,480 feet above NAVD88
The depth of the well is 640 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

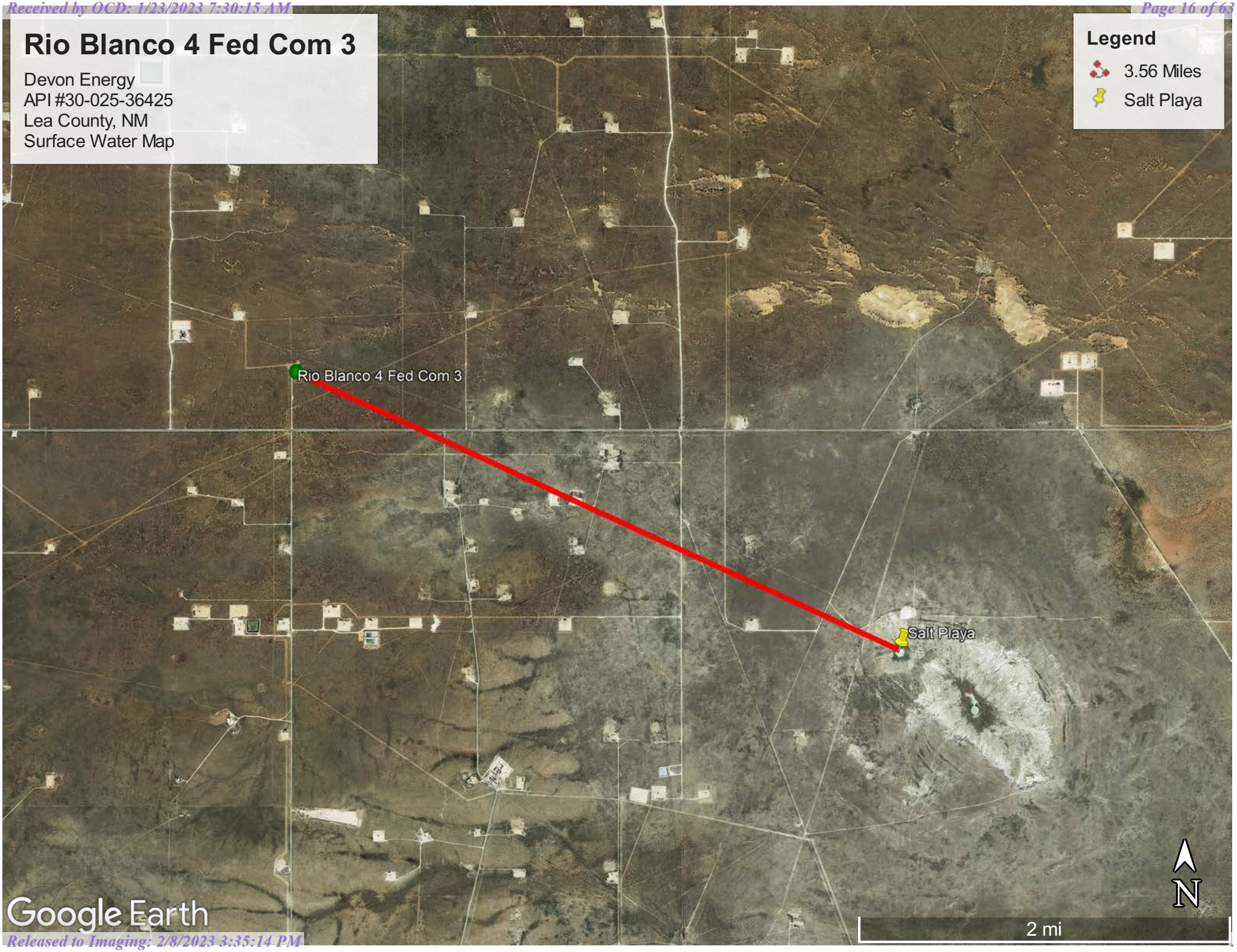
Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

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: 2022-12-31 15:22:05 EST
0.57 0.49 nadww01

Rio Blanco 4 Fed Com 3

Devon Energy
API #30-025-36425
Lea County, NM
Surface Water Map



Pima Environmental Services

Appendix B

Soil Survey & Geological Data

FEMA Flood Map

Wetlands Map

Lea County, New Mexico

PU—Pyote and Maljamar fine sands

Map Unit Setting

National map unit symbol: dmqq
Elevation: 3,000 to 3,900 feet
Mean annual precipitation: 10 to 12 inches
Mean annual air temperature: 60 to 62 degrees F
Frost-free period: 190 to 205 days
Farmland classification: Not prime farmland

Map Unit Composition

Pyote and similar soils: 46 percent
Maljamar and similar soils: 44 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Pyote

Setting

Landform: Plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 30 inches: fine sand
Bt - 30 to 60 inches: fine sandy loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Negligible
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 content: 5 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Low (about 5.1 inches)

Interpretive groups

Land capability classification (irrigated): 6e

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

Description of Maljamar

Setting

Landform: Plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 24 inches: fine sand
Bt - 24 to 50 inches: sandy clay loam
Bkm - 50 to 60 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 40 to 60 inches to petrocalcic
Drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 5 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Low (about 5.6 inches)

Interpretive groups

Land capability classification (irrigated): 6e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: R042XC003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Kermit

Percent of map unit: 10 percent
Ecological site: R042XC022NM - Sandhills

Hydric soil rating: No

Data Source Information

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 18, Sep 10, 2021

National Flood Hazard Layer FIRMette

FEMA

103°28'37"W 32°20'7"N

103°28'W 32°19'36"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.

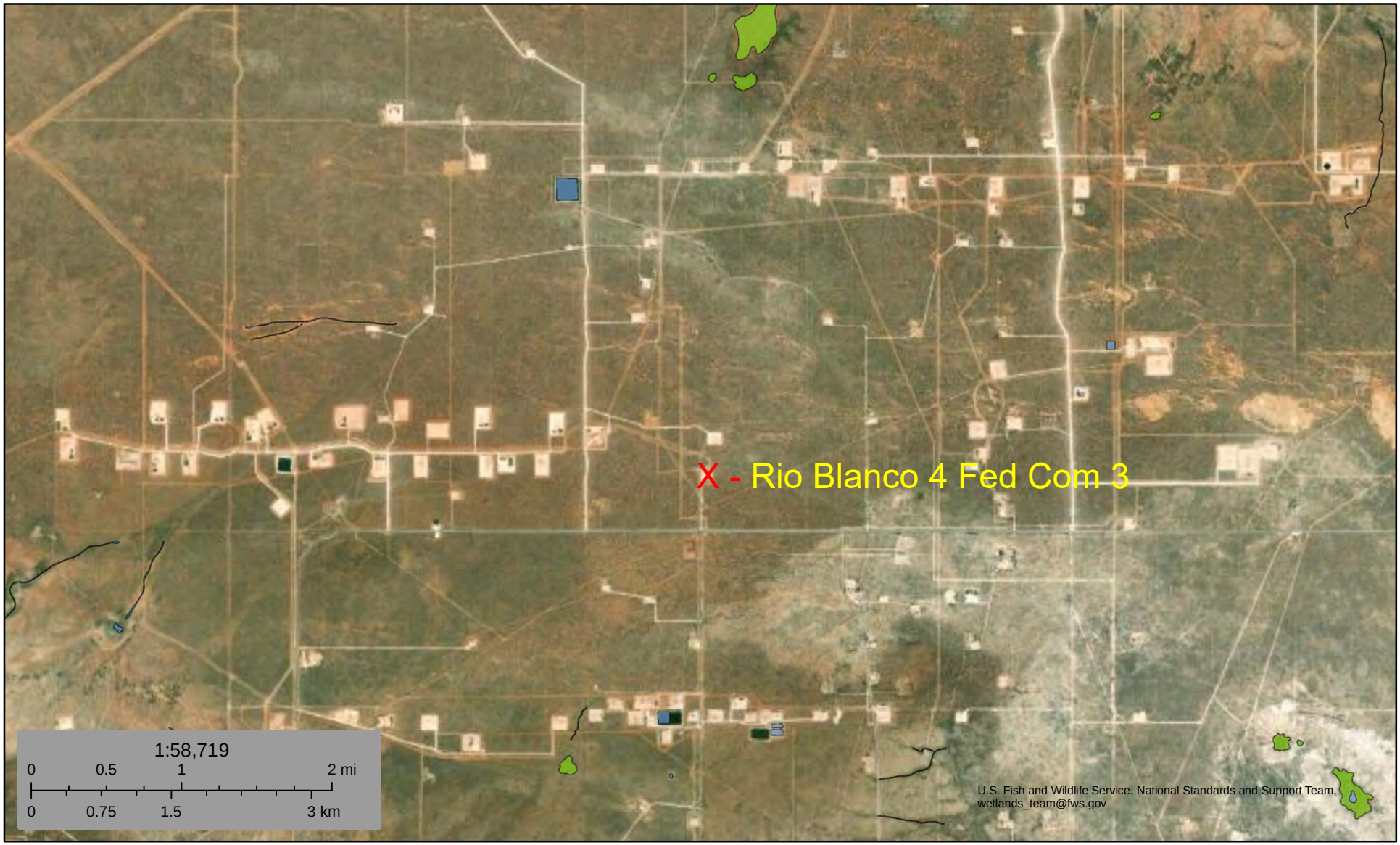
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/23/2022 at 3:20 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



December 31, 2022

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

48-Hour Notification

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

HOBBS OCD
JUN 03 2014
RECEIVED

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

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company **Devon Energy**	Contact **Kenny Kidd**
Address **PO Box 250 Artesia, NM 88211**	Telephone No. **575- 513-8545**
Facility Name **Rio Blanco 4 Fed 3 SWD**	Facility Type **SWD**

Surface Owner Federal T/O	Mineral Owner	API No. **30-025-36425**

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
J	**4**	**23S**	**34E**	**1650**	**SOUTH**	**1650**	**EAST**	**LEA**

Latitude: ___ **Longitude:**__

NATURE OF RELEASE

Type of Release **Produced Water**	Volume of Release **65bbls**	Volume Recovered **65bbls**
Source of Release **Charge pump pipe**	Date and Hour of Occurrence **5/30/14**	Date and Hour of Discovery **5/30/14 11:30 AM**
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? **Kenny Kidd-Foreman/ Garry Michael-Assistant Foreman/ Scott Poe-EHS/Jerry Mathews-Superintendent/Hobbs OCD-Geoffery Leking/BLM-Jeff Robertson**	
By Whom? Matt Nettles	Date and Hour **5/30/14 11:30 AM**	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

depth to gH2O >100'

Describe Cause of Problem and Remedial Action Taken.*

The needle valve came out of the pipe which is connected to the charge pump. This caused 65 barrels of produced water to be released. 60 barrels in the containment and 5 bbls outside of the containment. The well was shut off. A vacuum truck was immediately called for vacuum services. 65 barrels of produced water was recovered. The pump was repaired.

Describe Area Affected and Cleanup Action Taken.*

The area affected was within the burm approximately 30 feet wide by 60 feet long. The affected area outside the containment was approximately 5 feet wide by 75 feet long. Talon LPE was contacted to perform the site assessment and soil sampling activities.

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: *Shammy Ingram*	OIL CONSERVATION DIVISION
Printed Name: **Shammy Ingram**	Approved by Environmental Specialist:
Title: **Field Admin Support**	Approval Date: 6-3-14 Expiration Date: 7-29-14
E-mail Address: **Shammy.Ingram@dvn.com**	Conditions of Approval: Site Samples required Delineate & remediate site as per NMOCD guides. Submit final C-141 by 7-29-14 Attached ☐ IRP 06-14-3056 AP# 30-025-36425
Date: May **30, 2014** Phone: **575-748-0174**	

* Attach Additional Sheets If Necessary

JUN 03 2014

State of New Mexico
Oil Conservation Division

Incident ID	NTO1415447716
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	NTO1415447716
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: 1/23/2023

email: dale.woodall@dvn.com Telephone: 405-318-4697

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	NTO1415447716
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: 1/20/2023

email: dale.woodall@dvn.com Telephone: 405-318-4697

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: Jennifer Nobui Date: 02/08/2023

Printed Name: Jennifer Nobui Title: Environmental Specialist A

Pima Environmental Services

Appendix D

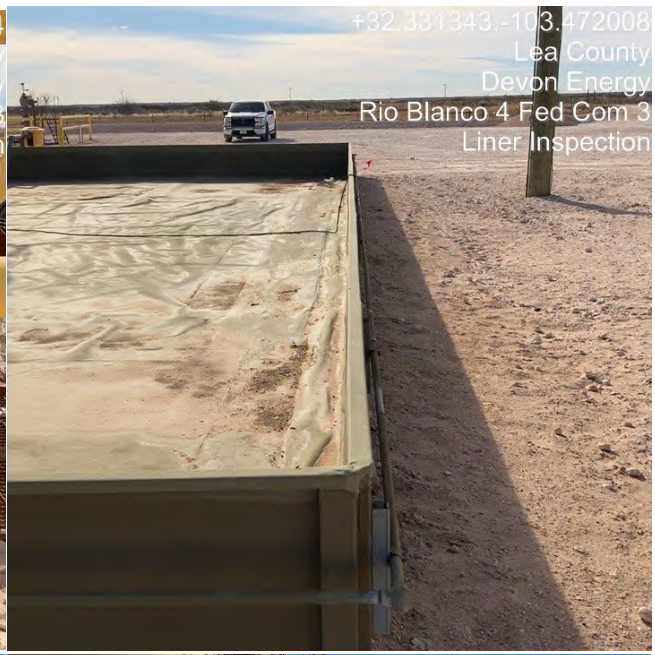
Photographic Documentation

Liner Inspection Form

SITE PHOTOGRAPHS
DEVON ENERGY

RIO BLANCO 4 FED COM 3

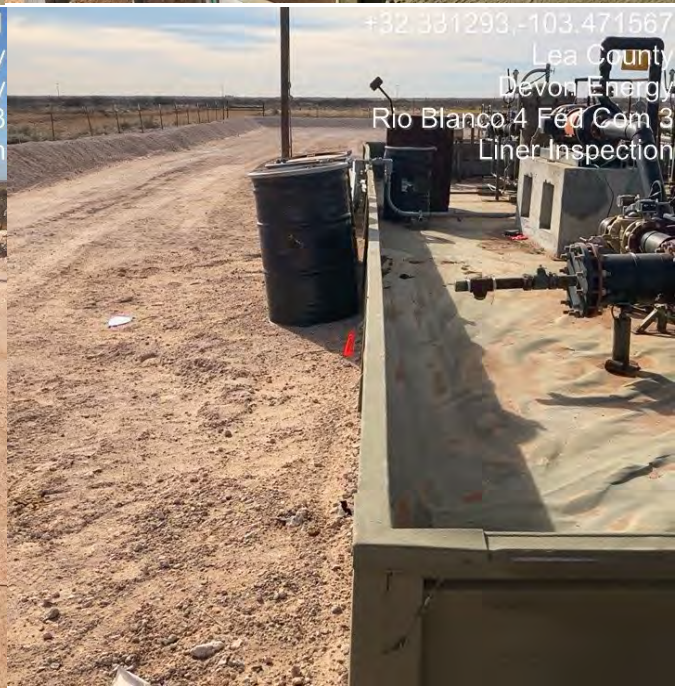
Liner Inspection




+32.331169,-103.471675
Lea County
Devon Energy
Rio Blanco 4 Fed Com 3
Liner Inspection


+32.331230,-103.471481
Lea County
Devon Energy
Rio Blanco 4 Fed Com 3
Liner Inspection


+32.331230,-103.471481
Lea County
Devon Energy
Rio Blanco 4 Fed Com 3
Liner Inspection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Rio Blanco 4 Fed Com 3
Liner Inspection


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+32.331297,-103.471835
Lea County
Devon Energy
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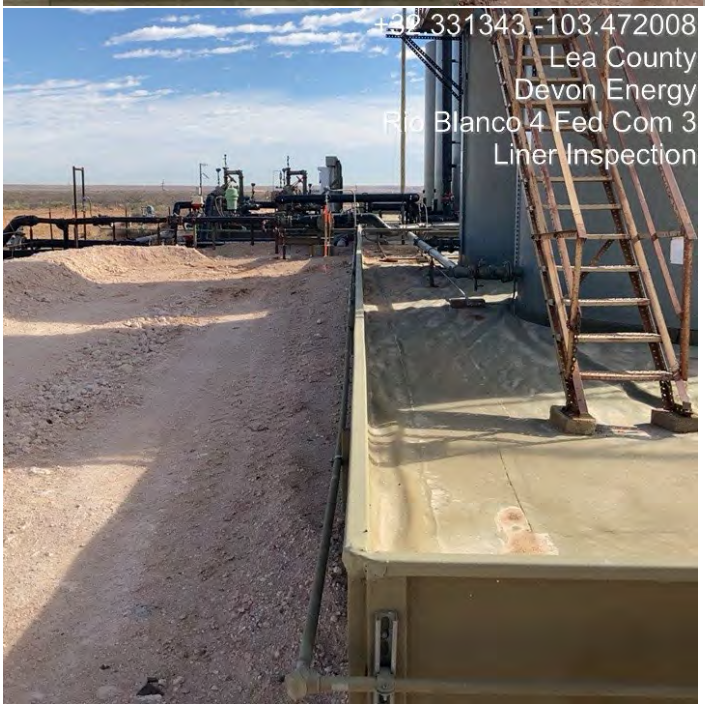
Liner Inspection


+32.331297,-103.471835
Lea County
Devon Energy
Rio Blanco 4 Fed Com 3
Liner Inspection


+32.331343,-103.472008
Lea County
Devon Energy
Rio Blanco 4 Fed Com 3
Liner Inspection

Area Outside Liner

Pima Environmental Services, LLC

Liner Inspection Form

Company Name: Devon Energy

Site: Rio Blanco 4 Fed Com 3

Lat/Long: 32.26937, -103.95109

NMOCD Incident ID & Incident Date: NTO1415447716 5/30/2014

2-Day Notification Sent: via Email by Gio Gomez 1/12/2023

Inspection Date: 1/14/2023

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

Other: _____

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

Comments: _____

Inspector Name: Ned Rogers Inspector Signature: Ned Rogers

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:	Rio Blanco 4 Fed Com 3
Work Order:	E301052
Job Number:	01058-0007
Received:	1/13/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/17/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 1/17/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Rio Blanco 4 Fed Com 3
Workorder: E301052
Date Received: 1/13/2023 8:10:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/13/2023 8:10:00AM, under the Project Name: Rio Blanco 4 Fed Com 3.

The analytical test results summarized in this report with the Project Name: Rio Blanco 4 Fed Com 3 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

Table of Contents (continued)

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	01/17/23 13:35

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BG1	E301052-01A	Soil	01/11/23	01/13/23	Glass Jar, 2 oz.
SW1	E301052-02A	Soil	01/11/23	01/13/23	Glass Jar, 2 oz.
SW2	E301052-03A	Soil	01/11/23	01/13/23	Glass Jar, 2 oz.
SW3	E301052-04A	Soil	01/11/23	01/13/23	Glass Jar, 2 oz.
SW4	E301052-05A	Soil	01/11/23	01/13/23	Glass Jar, 2 oz.
S1 - 1'	E301052-06A	Soil	01/11/23	01/13/23	Glass Jar, 2 oz.
S1 - 2'	E301052-07A	Soil	01/11/23	01/13/23	Glass Jar, 2 oz.
S1 - 3'	E301052-08A	Soil	01/11/23	01/13/23	Glass Jar, 2 oz.
S2 - 1'	E301052-09A	Soil	01/11/23	01/13/23	Glass Jar, 2 oz.
S2 - 2'	E301052-10A	Soil	01/11/23	01/13/23	Glass Jar, 2 oz.
S2 - 3'	E301052-11A	Soil	01/11/23	01/13/23	Glass Jar, 2 oz.
S3 - 1'	E301052-12A	Soil	01/11/23	01/13/23	Glass Jar, 2 oz.
S3 - 2'	E301052-13A	Soil	01/11/23	01/13/23	Glass Jar, 2 oz.
S3 - 3'	E301052-14A	Soil	01/11/23	01/13/23	Glass Jar, 2 oz.

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/17/2023 1:35:05PM

BG1

E301052-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2302077
Benzene	ND	0.0250	1	01/13/23	01/15/23	
Ethylbenzene	ND	0.0250	1	01/13/23	01/15/23	
Toluene	ND	0.0250	1	01/13/23	01/15/23	
o-Xylene	ND	0.0250	1	01/13/23	01/15/23	
p,m-Xylene	ND	0.0500	1	01/13/23	01/15/23	
Total Xylenes	ND	0.0250	1	01/13/23	01/15/23	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*01/13/23*	*01/15/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2302077
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/13/23	01/15/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.8 %*	*70-130*	*01/13/23*	*01/15/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2302073
Diesel Range Organics (C10-C28)	ND	25.0	1	01/13/23	01/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/13/23	01/13/23	
Surrogate: n-Nonane		*108 %*	*50-200*	*01/13/23*	*01/13/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2302075
Chloride	ND	20.0	1	01/13/23	01/14/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/17/2023 1:35:05PM

SW1

E301052-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2302077
Benzene	ND	0.0250	1	01/13/23	01/15/23	
Ethylbenzene	ND	0.0250	1	01/13/23	01/15/23	
Toluene	ND	0.0250	1	01/13/23	01/15/23	
o-Xylene	ND	0.0250	1	01/13/23	01/15/23	
p,m-Xylene	ND	0.0500	1	01/13/23	01/15/23	
Total Xylenes	ND	0.0250	1	01/13/23	01/15/23	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*01/13/23*	*01/15/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2302077
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/13/23	01/15/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.1 %*	*70-130*	*01/13/23*	*01/15/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2302073
Diesel Range Organics (C10-C28)	ND	25.0	1	01/13/23	01/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/13/23	01/13/23	
Surrogate: n-Nonane		*104 %*	*50-200*	*01/13/23*	*01/13/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2302075
Chloride	ND	20.0	1	01/13/23	01/14/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/17/2023 1:35:05PM

SW2

E301052-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2302077
Benzene	ND	0.0250	1	01/13/23	01/15/23	
Ethylbenzene	ND	0.0250	1	01/13/23	01/15/23	
Toluene	ND	0.0250	1	01/13/23	01/15/23	
o-Xylene	ND	0.0250	1	01/13/23	01/15/23	
p,m-Xylene	ND	0.0500	1	01/13/23	01/15/23	
Total Xylenes	ND	0.0250	1	01/13/23	01/15/23	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*01/13/23*	*01/15/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2302077
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/13/23	01/15/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.8 %*	*70-130*	*01/13/23*	*01/15/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2302073
Diesel Range Organics (C10-C28)	ND	25.0	1	01/13/23	01/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/13/23	01/13/23	
Surrogate: n-Nonane		*113 %*	*50-200*	*01/13/23*	*01/13/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2302075
Chloride	ND	20.0	1	01/13/23	01/14/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/17/2023 1:35:05PM

SW3

E301052-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2302077
Benzene	ND	0.0250	1	01/13/23	01/15/23	
Ethylbenzene	ND	0.0250	1	01/13/23	01/15/23	
Toluene	ND	0.0250	1	01/13/23	01/15/23	
o-Xylene	ND	0.0250	1	01/13/23	01/15/23	
p,m-Xylene	ND	0.0500	1	01/13/23	01/15/23	
Total Xylenes	ND	0.0250	1	01/13/23	01/15/23	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*01/13/23*	*01/15/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2302077
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/13/23	01/15/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.3 %*	*70-130*	*01/13/23*	*01/15/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2302073
Diesel Range Organics (C10-C28)	ND	25.0	1	01/13/23	01/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/13/23	01/13/23	
Surrogate: n-Nonane		*105 %*	*50-200*	*01/13/23*	*01/13/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2302075
Chloride	ND	20.0	1	01/13/23	01/14/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/17/2023 1:35:05PM

SW4

E301052-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2302077
Benzene	ND	0.0250	1	01/13/23	01/15/23	
Ethylbenzene	ND	0.0250	1	01/13/23	01/15/23	
Toluene	ND	0.0250	1	01/13/23	01/15/23	
o-Xylene	ND	0.0250	1	01/13/23	01/15/23	
p,m-Xylene	ND	0.0500	1	01/13/23	01/15/23	
Total Xylenes	ND	0.0250	1	01/13/23	01/15/23	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*01/13/23*	*01/15/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2302077
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/13/23	01/15/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.7 %*	*70-130*	*01/13/23*	*01/15/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2302073
Diesel Range Organics (C10-C28)	ND	25.0	1	01/13/23	01/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/13/23	01/13/23	
Surrogate: n-Nonane		*100 %*	*50-200*	*01/13/23*	*01/13/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2302075
Chloride	ND	20.0	1	01/13/23	01/14/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/17/2023 1:35:05PM

S1 - 1'

E301052-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2302077
Benzene	ND	0.0250	1	01/13/23	01/15/23	
Ethylbenzene	ND	0.0250	1	01/13/23	01/15/23	
Toluene	ND	0.0250	1	01/13/23	01/15/23	
o-Xylene	ND	0.0250	1	01/13/23	01/15/23	
p,m-Xylene	ND	0.0500	1	01/13/23	01/15/23	
Total Xylenes	ND	0.0250	1	01/13/23	01/15/23	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*01/13/23*	*01/15/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2302077
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/13/23	01/15/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.9 %*	*70-130*	*01/13/23*	*01/15/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2302073
Diesel Range Organics (C10-C28)	ND	25.0	1	01/13/23	01/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/13/23	01/13/23	
Surrogate: n-Nonane		*113 %*	*50-200*	*01/13/23*	*01/13/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2302075
Chloride	**179**	20.0	1	01/13/23	01/14/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/17/2023 1:35:05PM

S1 - 2'

E301052-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2302077
Benzene	ND	0.0250	1	01/13/23	01/15/23	
Ethylbenzene	ND	0.0250	1	01/13/23	01/15/23	
Toluene	ND	0.0250	1	01/13/23	01/15/23	
o-Xylene	ND	0.0250	1	01/13/23	01/15/23	
p,m-Xylene	ND	0.0500	1	01/13/23	01/15/23	
Total Xylenes	ND	0.0250	1	01/13/23	01/15/23	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*01/13/23*	*01/15/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2302077
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/13/23	01/15/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.7 %*	*70-130*	*01/13/23*	*01/15/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2302073
Diesel Range Organics (C10-C28)	ND	25.0	1	01/13/23	01/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/13/23	01/13/23	
Surrogate: n-Nonane		*108 %*	*50-200*	*01/13/23*	*01/13/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2302075
Chloride	**48.7**	20.0	1	01/13/23	01/14/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/17/2023 1:35:05PM

S1 - 3'

E301052-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2302077
Benzene	ND	0.0250	1	01/13/23	01/15/23	
Ethylbenzene	ND	0.0250	1	01/13/23	01/15/23	
Toluene	ND	0.0250	1	01/13/23	01/15/23	
o-Xylene	ND	0.0250	1	01/13/23	01/15/23	
p,m-Xylene	ND	0.0500	1	01/13/23	01/15/23	
Total Xylenes	ND	0.0250	1	01/13/23	01/15/23	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*01/13/23*	*01/15/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2302077
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/13/23	01/15/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.3 %*	*70-130*	*01/13/23*	*01/15/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2302073
Diesel Range Organics (C10-C28)	ND	25.0	1	01/13/23	01/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/13/23	01/14/23	
Surrogate: n-Nonane		*112 %*	*50-200*	*01/13/23*	*01/14/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2302075
Chloride	ND	20.0	1	01/13/23	01/14/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/17/2023 1:35:05PM

S2 - 1'

E301052-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2302077
Benzene	ND	0.0250	1	01/13/23	01/15/23	
Ethylbenzene	ND	0.0250	1	01/13/23	01/15/23	
Toluene	ND	0.0250	1	01/13/23	01/15/23	
o-Xylene	ND	0.0250	1	01/13/23	01/15/23	
p,m-Xylene	ND	0.0500	1	01/13/23	01/15/23	
Total Xylenes	ND	0.0250	1	01/13/23	01/15/23	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*01/13/23*	*01/15/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2302077
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/13/23	01/15/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.3 %*	*70-130*	*01/13/23*	*01/15/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2302073
Diesel Range Organics (C10-C28)	ND	25.0	1	01/13/23	01/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/13/23	01/14/23	
Surrogate: n-Nonane		*112 %*	*50-200*	*01/13/23*	*01/14/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2302075
Chloride	**154**	20.0	1	01/13/23	01/14/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/17/2023 1:35:05PM

S2 - 2'

E301052-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2302077
Benzene	ND	0.0250	1	01/13/23	01/15/23	
Ethylbenzene	ND	0.0250	1	01/13/23	01/15/23	
Toluene	ND	0.0250	1	01/13/23	01/15/23	
o-Xylene	ND	0.0250	1	01/13/23	01/15/23	
p,m-Xylene	ND	0.0500	1	01/13/23	01/15/23	
Total Xylenes	ND	0.0250	1	01/13/23	01/15/23	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*01/13/23*	*01/15/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2302077
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/13/23	01/15/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.7 %*	*70-130*	*01/13/23*	*01/15/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2302073
Diesel Range Organics (C10-C28)	ND	25.0	1	01/13/23	01/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/13/23	01/14/23	
Surrogate: n-Nonane		*103 %*	*50-200*	*01/13/23*	*01/14/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2302075
Chloride	**52.9**	20.0	1	01/13/23	01/14/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/17/2023 1:35:05PM

S2 - 3'

E301052-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2302077
Benzene	ND	0.0250	1	01/13/23	01/15/23	
Ethylbenzene	ND	0.0250	1	01/13/23	01/15/23	
Toluene	ND	0.0250	1	01/13/23	01/15/23	
o-Xylene	ND	0.0250	1	01/13/23	01/15/23	
p,m-Xylene	ND	0.0500	1	01/13/23	01/15/23	
Total Xylenes	ND	0.0250	1	01/13/23	01/15/23	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*01/13/23*	*01/15/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2302077
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/13/23	01/15/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.4 %*	*70-130*	*01/13/23*	*01/15/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2302073
Diesel Range Organics (C10-C28)	ND	25.0	1	01/13/23	01/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/13/23	01/14/23	
Surrogate: n-Nonane		*111 %*	*50-200*	*01/13/23*	*01/14/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2302075
Chloride	ND	20.0	1	01/13/23	01/14/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/17/2023 1:35:05PM

S3 - 1'

E301052-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2302077
Benzene	ND	0.0250	1	01/13/23	01/15/23	
Ethylbenzene	ND	0.0250	1	01/13/23	01/15/23	
Toluene	ND	0.0250	1	01/13/23	01/15/23	
o-Xylene	ND	0.0250	1	01/13/23	01/15/23	
p,m-Xylene	ND	0.0500	1	01/13/23	01/15/23	
Total Xylenes	ND	0.0250	1	01/13/23	01/15/23	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*01/13/23*	*01/15/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2302077
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/13/23	01/15/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.9 %*	*70-130*	*01/13/23*	*01/15/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2302073
Diesel Range Organics (C10-C28)	ND	25.0	1	01/13/23	01/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/13/23	01/14/23	
Surrogate: n-Nonane		*107 %*	*50-200*	*01/13/23*	*01/14/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2302075
Chloride	**238**	20.0	1	01/13/23	01/14/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/17/2023 1:35:05PM

S3 - 2'

E301052-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2302077
Benzene	ND	0.0250	1	01/13/23	01/15/23	
Ethylbenzene	ND	0.0250	1	01/13/23	01/15/23	
Toluene	ND	0.0250	1	01/13/23	01/15/23	
o-Xylene	ND	0.0250	1	01/13/23	01/15/23	
p,m-Xylene	ND	0.0500	1	01/13/23	01/15/23	
Total Xylenes	ND	0.0250	1	01/13/23	01/15/23	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*01/13/23*	*01/15/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2302077
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/13/23	01/15/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.8 %*	*70-130*	*01/13/23*	*01/15/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2302073
Diesel Range Organics (C10-C28)	ND	25.0	1	01/13/23	01/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/13/23	01/14/23	
Surrogate: n-Nonane		*112 %*	*50-200*	*01/13/23*	*01/14/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2302075
Chloride	**49.3**	20.0	1	01/13/23	01/14/23	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/17/2023 1:35:05PM

S3 - 3'

E301052-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2302077
Benzene	ND	0.0250	1	01/13/23	01/16/23	
Ethylbenzene	ND	0.0250	1	01/13/23	01/16/23	
Toluene	ND	0.0250	1	01/13/23	01/16/23	
o-Xylene	ND	0.0250	1	01/13/23	01/16/23	
p,m-Xylene	ND	0.0500	1	01/13/23	01/16/23	
Total Xylenes	ND	0.0250	1	01/13/23	01/16/23	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*01/13/23*	*01/16/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2302077
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/13/23	01/16/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.2 %*	*70-130*	*01/13/23*	*01/16/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2302073
Diesel Range Organics (C10-C28)	ND	25.0	1	01/13/23	01/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/13/23	01/14/23	
Surrogate: n-Nonane		*114 %*	*50-200*	*01/13/23*	*01/14/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2302075
Chloride	ND	20.0	1	01/13/23	01/14/23	

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/17/2023 1:35:05PM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2302077-BLK1)									Prepared: 01/13/23 Analyzed: 01/16/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*8.29*		*8.00*		*104*	*70-130*			
LCS (2302077-BS1)									Prepared: 01/13/23 Analyzed: 01/16/23
Benzene	5.11	0.0250	5.00		102	70-130			
Ethylbenzene	5.50	0.0250	5.00		110	70-130			
Toluene	5.53	0.0250	5.00		111	70-130			
o-Xylene	5.67	0.0250	5.00		113	70-130			
p,m-Xylene	11.2	0.0500	10.0		112	70-130			
Total Xylenes	16.8	0.0250	15.0		112	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.33*		*8.00*		*104*	*70-130*			
Matrix Spike (2302077-MS1)				**Source: E301049-01**					Prepared: 01/13/23 Analyzed: 01/15/23
Benzene	4.40	0.0250	5.00	ND	88.0	54-133			
Ethylbenzene	4.69	0.0250	5.00	ND	93.9	61-133			
Toluene	4.75	0.0250	5.00	ND	94.9	61-130			
o-Xylene	4.84	0.0250	5.00	ND	96.8	63-131			
p,m-Xylene	9.49	0.0500	10.0	ND	94.9	63-131			
Total Xylenes	14.3	0.0250	15.0	ND	95.5	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*8.21*		*8.00*		*103*	*70-130*			
Matrix Spike Dup (2302077-MSD1)				**Source: E301049-01**					Prepared: 01/13/23 Analyzed: 01/15/23
Benzene	4.36	0.0250	5.00	ND	87.2	54-133	0.872	20	
Ethylbenzene	4.63	0.0250	5.00	ND	92.5	61-133	1.46	20	
Toluene	4.69	0.0250	5.00	ND	93.9	61-130	1.11	20	
o-Xylene	4.79	0.0250	5.00	ND	95.7	63-131	1.09	20	
p,m-Xylene	9.36	0.0500	10.0	ND	93.6	63-131	1.34	20	
Total Xylenes	14.1	0.0250	15.0	ND	94.3	63-131	1.26	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.20*		*8.00*		*103*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/17/2023 1:35:05PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2302077-BLK1)									Prepared: 01/13/23 Analyzed: 01/16/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.75*		*8.00*		*96.9*	*70-130*			
LCS (2302077-BS2)									Prepared: 01/13/23 Analyzed: 01/16/23
Gasoline Range Organics (C6-C10)	47.9	20.0	50.0		95.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.83*		*8.00*		*97.8*	*70-130*			
Matrix Spike (2302077-MS2)				**Source: E301049-01**					Prepared: 01/13/23 Analyzed: 01/15/23
Gasoline Range Organics (C6-C10)	46.8	20.0	50.0	ND	93.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.72*		*8.00*		*96.4*	*70-130*			
Matrix Spike Dup (2302077-MSD2)				**Source: E301049-01**					Prepared: 01/13/23 Analyzed: 01/15/23
Gasoline Range Organics (C6-C10)	43.2	20.0	50.0	ND	86.4	70-130	8.09	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.76*		*8.00*		*96.9*	*70-130*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/17/2023 1:35:05PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2302073-BLK1)									Prepared: 01/13/23 Analyzed: 01/13/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*56.4*		*50.0*		*113*	*50-200*			
LCS (2302073-BS1)									Prepared: 01/13/23 Analyzed: 01/13/23
Diesel Range Organics (C10-C28)	247	25.0	250		98.7	38-132			
Surrogate: n-Nonane	*49.1*		*50.0*		*98.3*	*50-200*			
Matrix Spike (2302073-MS1)				**Source: E301049-05**					Prepared: 01/13/23 Analyzed: 01/13/23
Diesel Range Organics (C10-C28)	240	25.0	250	ND	95.9	38-132			
Surrogate: n-Nonane	*49.3*		*50.0*		*98.5*	*50-200*			
Matrix Spike Dup (2302073-MSD1)				**Source: E301049-05**					Prepared: 01/13/23 Analyzed: 01/13/23
Diesel Range Organics (C10-C28)	243	25.0	250	ND	97.3	38-132	1.53	20	
Surrogate: n-Nonane	*48.8*		*50.0*		*97.6*	*50-200*			

QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Rio Blanco 4 Fed Com 3	**Reported:**
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/17/2023 1:35:05PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2302075-BLK1)									Prepared: 01/13/23 Analyzed: 01/13/23
Chloride	ND	20.0							
LCS (2302075-BS1)									Prepared: 01/13/23 Analyzed: 01/13/23
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2302075-MS1)				**Source: E301049-01**					Prepared: 01/13/23 Analyzed: 01/13/23
Chloride	167	40.0	250	ND	66.8	80-120			M2
Matrix Spike Dup (2302075-MSD1)				**Source: E301049-01**					Prepared: 01/13/23 Analyzed: 01/13/23
Chloride	170	40.0	250	ND	68.2	80-120	2.09	20	M2

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:	Rio Blanco 4 Fed Com 3	
PO Box 247	Project Number:	01058-0007	**Reported:**
Plains TX, 79355-0247	Project Manager:	Tom Bynum	01/17/23 13:35

M2	Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
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	Bill To
Project: Rio Blanco 4 Fed Com 3	Attention: Devon Energy
Project Manager: Tom Bynum	Address:
Address: 5614 N. Lovington Hwy.	City, State, Zip
City, State, Zip Hobbs, NM, 88240	Phone:
Phone: 580-748-1613	Email:
Email: tom@pimaoil.com	Pima Project # 204-3
Report due by:	

Lab Use Only: Lab WO# E391052 | Job Number 01058-0007

TAT: 1D | 2D | 3D | Standard X

EPA Program: CWA | SDWA | RCRA

State: NM X | CO | UT | AZ | TX

Analysis and Method: DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC NM | BGDOC TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	BGDOC NM	Remarks
8:00	1/11/23	S	1	BG1	1	X	
8:05				SW1	2		
8:10				SW2	3		
8:15				SW3	4		
8:20				SW4	5		
8:25				S1-1'	6		
8:30				S1-2'	7		
8:35				S1-3'	8		
8:40				S2-1'	9		
8:45				S2-2'	10		

Additional Instructions: Bill to Devon: 210768924

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: Adriana Bernardez

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	1-12-23	2:00	Michelle Cruz	1-12-23	1400
Michelle Cruz	1-12-23	1645	Lorenzo Lei	1-12-23	1700
Lorenzo Lei	1-12-23	2300	Caitlin Christian	1/13/23	8:10

Lab Use Only: Received on ice: (Y) / N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

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.

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Project Information | Chain of Custody | Page 2 of 2

Client: Pima Environmental Services	Bill To
Project: Rio Blanco 4 Fedcom 3	Attention: Devon Energy
Project Manager: Tom Bynum	Address:
Address: 5614 N. Lovington Hwy.	City, State, Zip
City, State, Zip Hobbs, NM. 88240	Phone:
Phone: 580-748-1613	Email:
Email: tom@pimaoil.com	Pima Project # 204-3
Report due by:	

Lab Use Only: Lab WO# E301052 | Job Number 01058-0007

TAT: 1D | 2D | 3D | Standard X

EPA Program: CWA | SDWA | RCRA

State: NM X | CO | UT | AZ | TX

Analysis and Method: DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC NM | BGDOC TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	BGDOC NM	Remarks
8:50	1/11/23	S	1	S2-3'	11	X	
8:55				S3-1'	12		
9:00				S3-2'	13		
9:05				S3-3'	14		

Additional Instructions: Bill to Devon: 210768944

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: Audriana Benavidez

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	1-12-23	2:00	Michelle Cuyle	1-12-23	1400
Michelle Cuyle	1-12-23	1645	Lorenzo Lei	1-12-23	1700
Lorenzo Lei	1-12-23	2300	Cartha Chute	1/13/23	8:10

Lab Use Only: Received on ice: (Y) / N; T1 ____ T2 ____ T3 ____; AVG Temp °C 4

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.

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Envirotech Analytical Laboratory

Printed: 1/13/2023 9:00:33AM

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:	01/13/23 08:10	Work Order ID:	E301052
Phone:	(575) 631-6977	Date Logged In:	01/12/23 16:42	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	01/19/23 17:00 (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

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 178309
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Approved. Release occurred 9 years ago. Please remember to include email 2- business day notification of inspection.	2/8/2023