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

August 27, 2020

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

Re: Site Assessment and Closure Report
Pure Grace State #001
API No. 30-015-24119
GPS: Latitude 32.2595024 Longitude -104.1760178
UL "J", Sec. 34, T23S, R27E
Eddy County, NM
NMOCD Ref. No. 2RP-2995

Dear Mr. Bratcher,

Pima Environmental Services, LLC (Pima) has been contracted by Devon Energy Production Company (Devon) to perform a spill assessment and has prepared this Closure Report for a produced water and oil release that occurred at the Pure Grace State #1 (Pure Grace). The initial C-141 was submitted on May 7, 2015 (Appendix C). This incident was assigned 2RP-2995, Incident ID NAB1513152308, by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The Pure Grace is located approximately twelve (12) miles south of Carlsbad, NM. This spill site is in Unit J, Section 34, Township 23S, Range 27E, Latitude 32.2595024, Longitude -104.1760178, Eddy County, NM. Figure 1 references a location map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is in the Quaternary Formation- Piedmont alluvial deposits (Holocene to lower Pleistocene)-includes deposits of higher gradient tributaries bordering major stream valleys, alluvial veneers of the piedmont slope, and alluvial fans. May locally include uppermost Pliocene deposits (QP). The soil in this area is made up of Reagan loam, 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 Cottontail (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 67 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is greater than 100 feet BGS. The Black River is the closest waterway and is located approximately 1.45 miles to the south of this location. See Appendix A for referenced Surface Water Map.

Table 1 NMAC and Closure Criteria 19.15.29					
Depth to Groundwater (Appendix B)	Constituent & Limits				
	Chlorides	Total TPH	GRO+DRO	BTEX	Benzene
67'	10,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg
<50	600 mg/kg	100 mg/kg	100 mg/kg	50 mg/kg	10mg/kg
If the release occurred within any of the following areas, the responsible party would treat the release as if the groundwater was less than 50 feet per Rule 19.15.29					
Water Issues				Yes	No
Within **300** feet of any continuously flowing watercourse or any other significant watercourse					x
Within **200** feet of any lakebed, sinkhole or playa lake (measures from the ordinary high-water mark					x
Within **300** feet from an occupied permanent residence, school, hospital, institution or church					x
Within **500** feet of a spring or a private, domestic freshwater well used by less than five households for domestic or stock water purposes					x
Within **1000** feet of any freshwater well or spring					x
Within incorporated municipal boundaries or within a defined municipal freshwater well field					x
Within **300** feet of a wetlands					x
Within the area overlying a subsurface mine					x
Within an unstable area (Karst)					x
Within a 100-year floodplain					x

Reference Figure 2 for a TOPO Map.

Release Information

2RP-2995: On May 4, 2015, a lightning strike occurred, blowing the tops off of the water and oil tanks. The water tank caught fire and burned down to 3' in height. The released fluids were contained inside the poly and steel engineered containment. 70 barrels (bbls) of produced water and 20 bbls of oil were recovered by a vac truck.

Site Assessment and Soil Sampling Results

On July 23, 2020, Pima Environmental conducted a site assessment and obtained soil samples to confirm the integrity of the liner, and the containment was not breached. The laboratory results of this sampling event can be found in the following data table.

7-23-20 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is >100')								
Sample Date 7-23-20		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
N. Composite	0	ND	ND	ND	ND	ND	ND	ND
S. Composite	0	ND	ND	ND	ND	ND	ND	840
E. Composite	0	ND	ND	ND	ND	ND	ND	1700
W. Composite	0	ND	ND	ND	ND	ND	ND	180

ND- Analyte Not Detected

Remediation Activities

The sample results were below NMOCD Closure Criteria 19.15.29 NMAC. Based on these findings, no remediation activities were needed at this location.

Closure Request

After careful review, Pima requests that this incident, NAB1513152308, be closed. Devon has complied with the applicable closure requirements.

Should you have any questions or need additional information, please feel free to contact Chris Jones at 575-964-7740 or chris@pimaoil.com.

Respectfully,

Chris Jones
Environmental Professional
Pima Environmental Services, LLC

Attachments

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

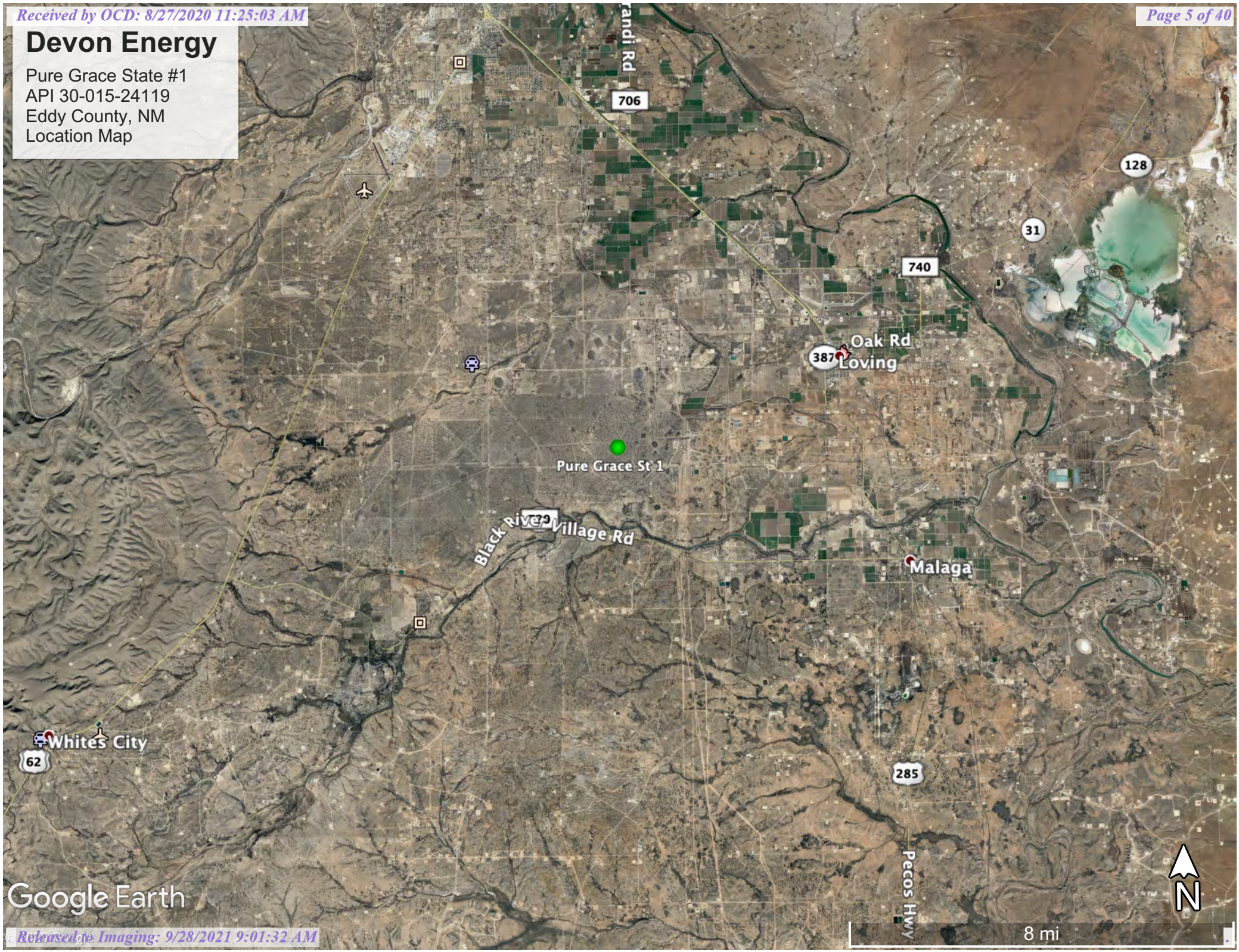
Appendices:
Appendix A- Referenced Water Surveys
Appendix B- Soil Survey and Geological Data
Appendix C- C-141's
Appendix D- Photographs
Appendix E- Laboratory Reports

Pima Environmental Services

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

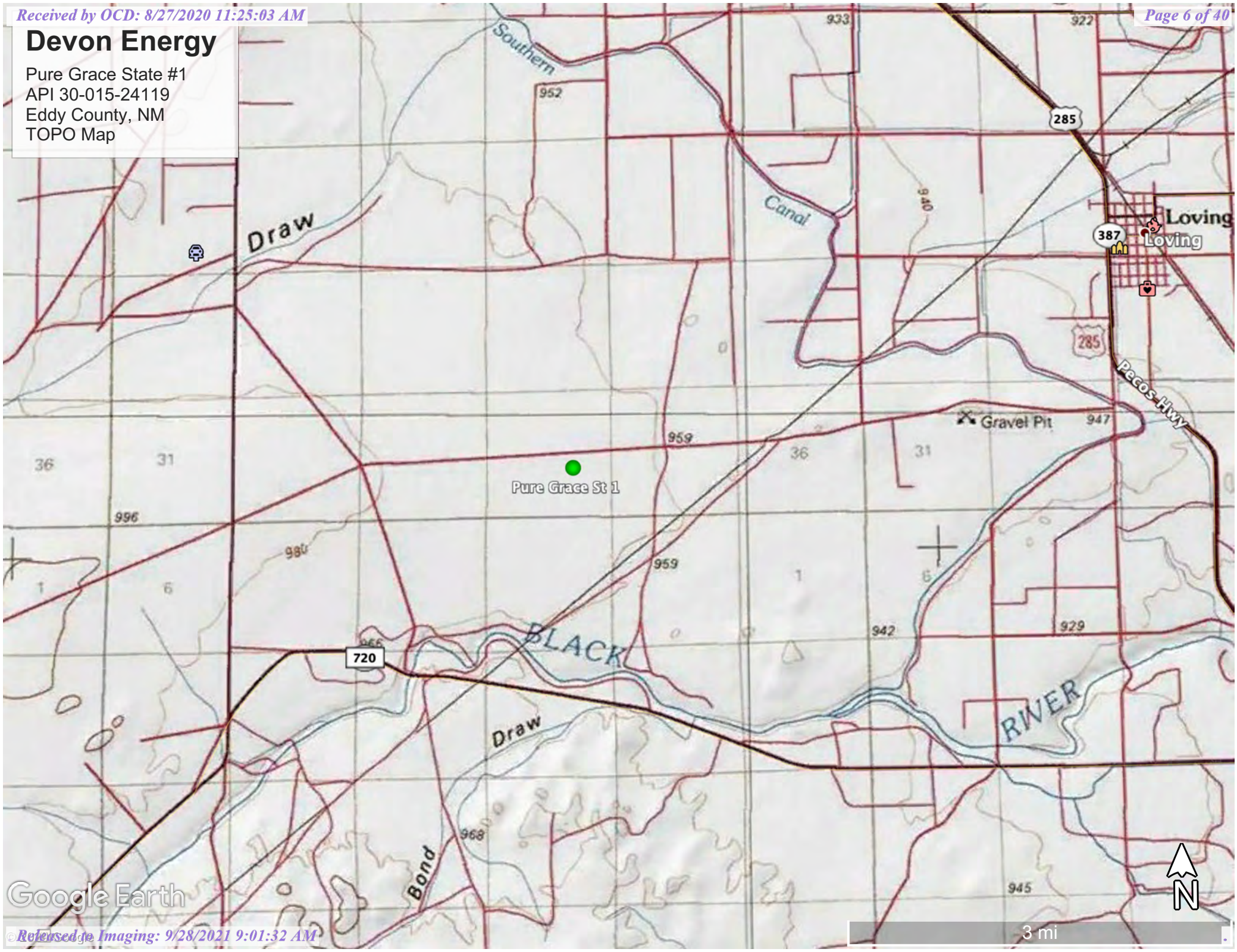
Devon Energy

Pure Grace State #1
API 30-015-24119
Eddy County, NM
Location Map



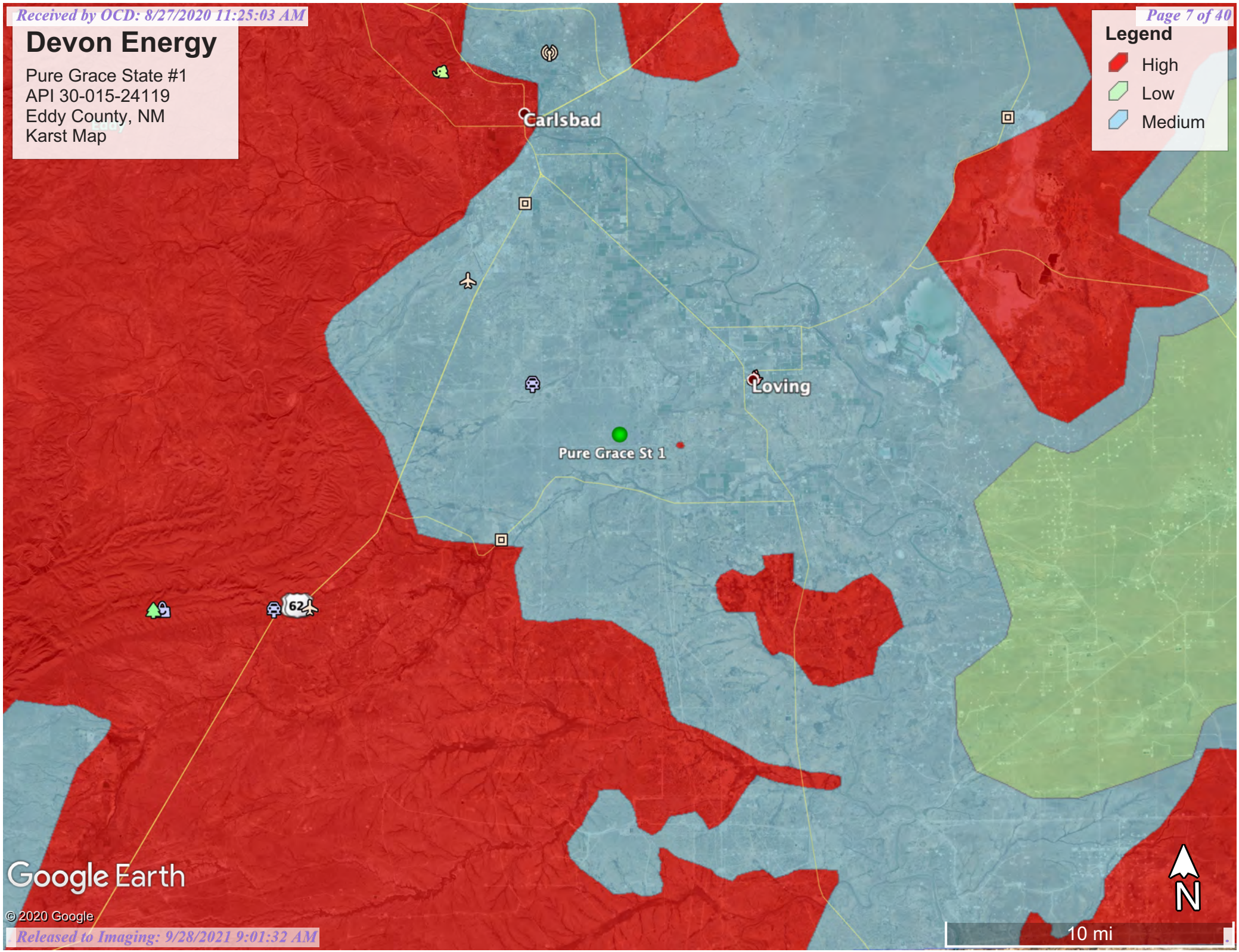
Devon Energy

Pure Grace State #1
API 30-015-24119
Eddy County, NM
TOPO Map



Devon Energy

Pure Grace State #1
API 30-015-24119
Eddy County, NM
Karst Map



Devon Energy

Pure Grace State #1
API 30-015-24119
Eddy County, NM
Site Map

Legend

- Composite Samples

Pima Environmental Services

Appendix A
Water Surveys:
OSE
USGS
FEMA Flood Zone
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
C 03031		C	ED	1	3	3	35	23S	27E	578315	3569206*	656	150	67	83
C 00518 POD2		CUB	ED	2	4	4	22	23S	27E	578105	3572431*	2927	220	98	122
C 02567		C	ED	2	1	2	26	23S	27E	579314	3572049*	2972	187	89	98

Average Depth to Water: **84 feet**

Minimum Depth: **67 feet**

Maximum Depth: **98 feet**

Record Count: 3

UTMNAD83 Radius Search (in meters):

Easting (X): 577741.751 **Northing (Y):** 3569525.916 **Radius:** 3000

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

New Mexico Office of the State Engineer

Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	C 03031	1	3	3	35	23S	27E	578315	3569206*

Driller License:	685	**Driller Company:**	BRAZEAL, JOHN		
Driller Name:	WAYNE BRAZEAL				
Drill Start Date:	06/10/2004	**Drill Finish Date:**	06/16/2004	**Plug Date:**	
Log File Date:	06/24/2004	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	50 GPM
Casing Size:	6.00	**Depth Well:**	150 feet	**Depth Water:**	67 feet

Water Bearing Stratifications:	Top	Bottom	Description
	139	150	Other/Unknown

Casing Perforations:	Top	Bottom
	90	150

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

USGS science for a changing world

USGS Home
Contact USGS
Search USGS

National Water Information System: Mapper

Help Info

Sites Map

Search

Surface-Water Sites

Groundwater Sites

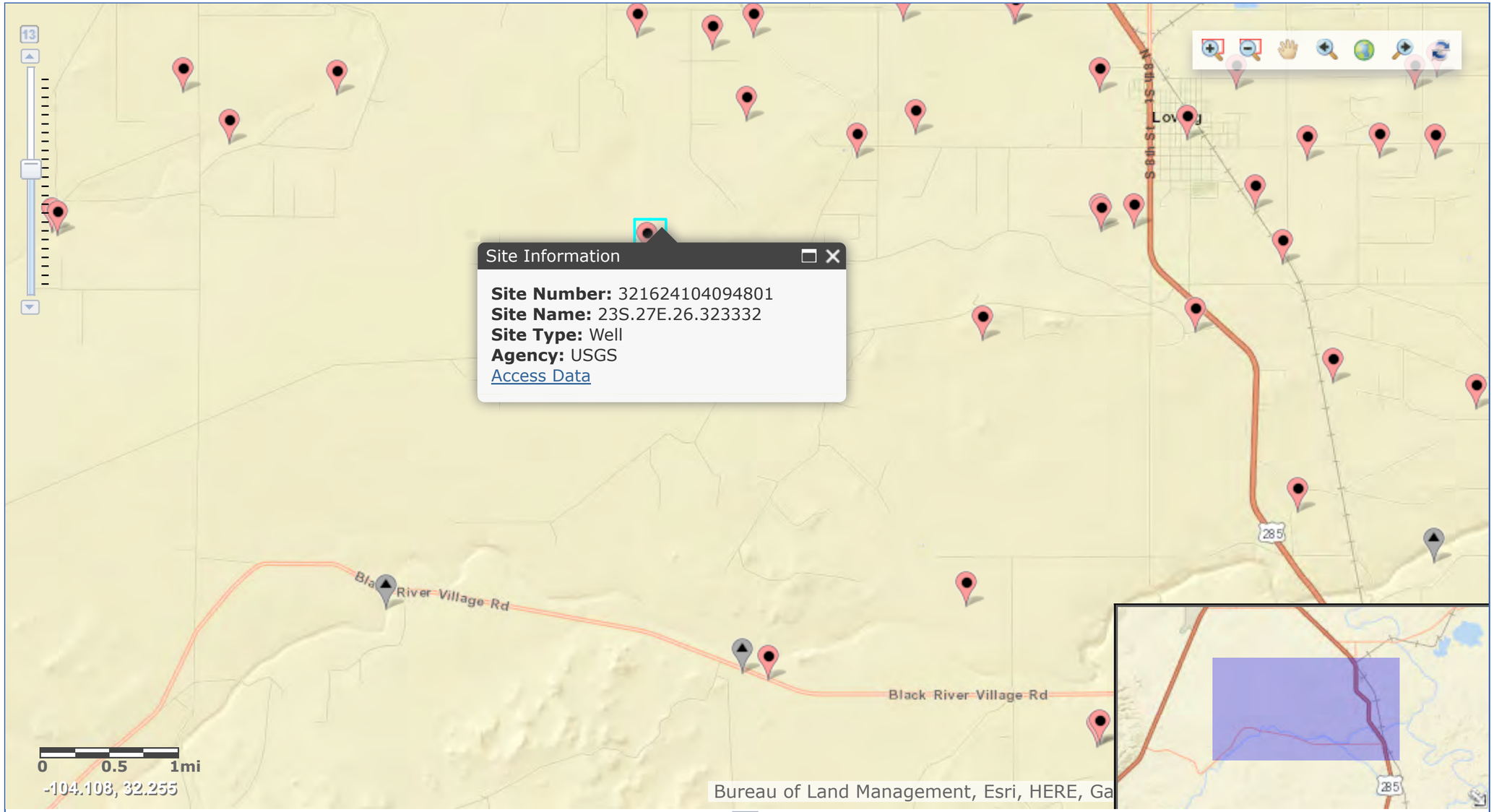
Active Sites
- Any data
- Instantaneous data
- Daily data
- Water-quality data
- Measurements
- Annual Report

Inactive Sites
- Any data
- Instantaneous data
- Daily data
- Water-quality data
- Measurements
- Annual Report

Springs

Atmospheric Sites

Other Sites



Site Information

Click to hide News Bulletins

- Introducing The Next Generation of USGS Water Data for the Nation
- Full News

Groundwater levels for the Nation

Search Results -- 1 sites found

site_no list =
- 321624104094801

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

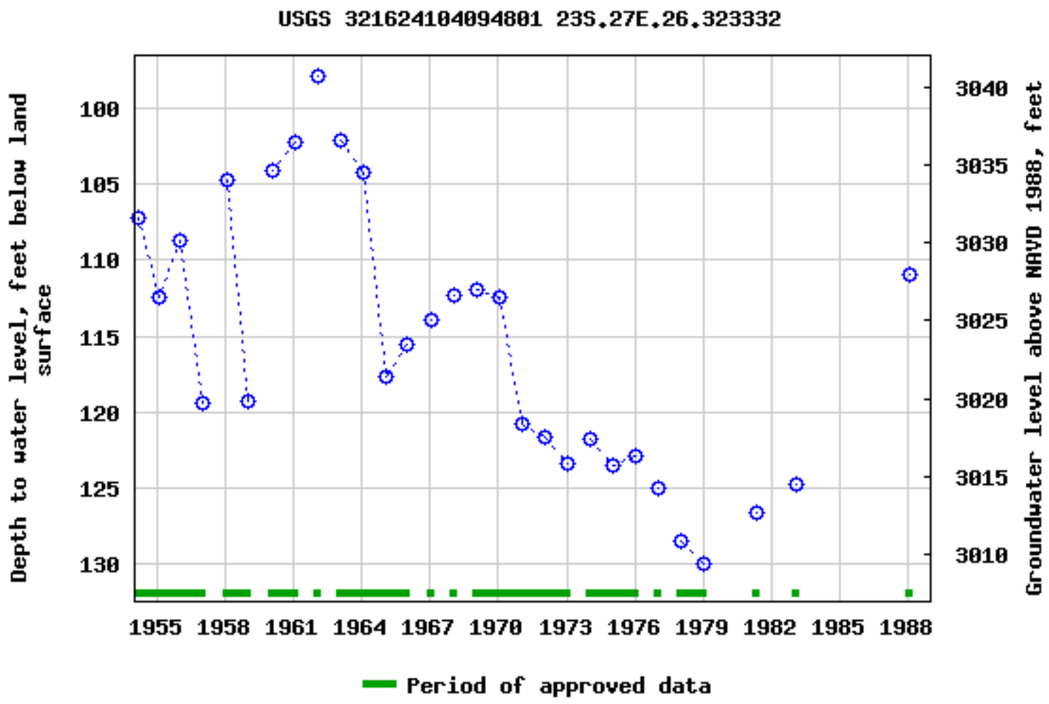
USGS 321624104094801 23S.27E.26.323332

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

Eddy County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°16'24", Longitude 104°09'48" NAD27
Land-surface elevation 3,139 feet above NAVD88
The depth of the well is 156 feet below land surface.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

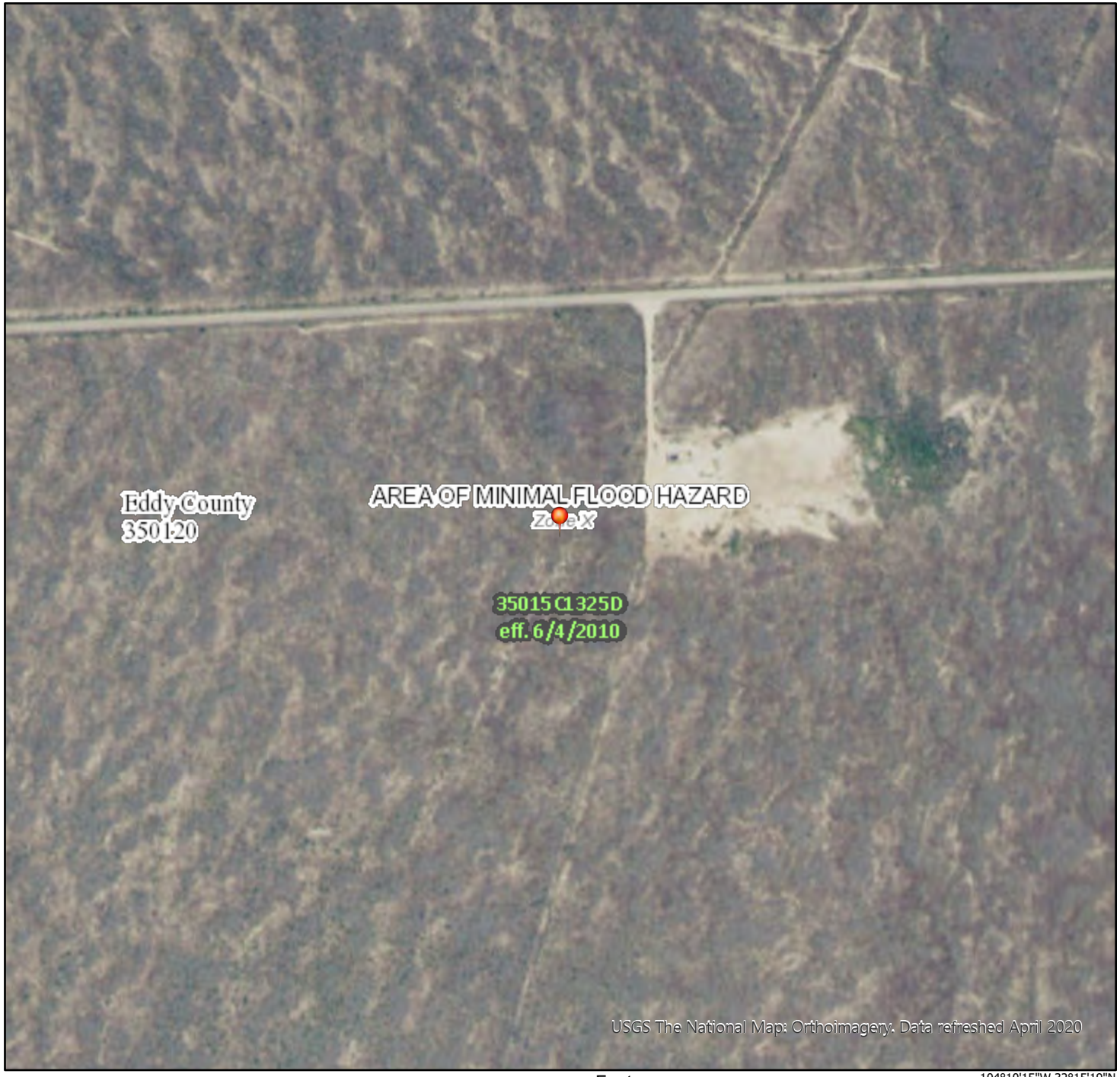


Breaks in the plot represent a gap of at least one year between field measurements.
Download a presentation-quality graph

National Flood Hazard Layer FIRMette

FEMA

104°10'52"W 32°15'49"N



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

1:6,000

104°10'15"W 32°15'19"N

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 / 17.5 Cross Sections with 1% Annual Chance / 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.

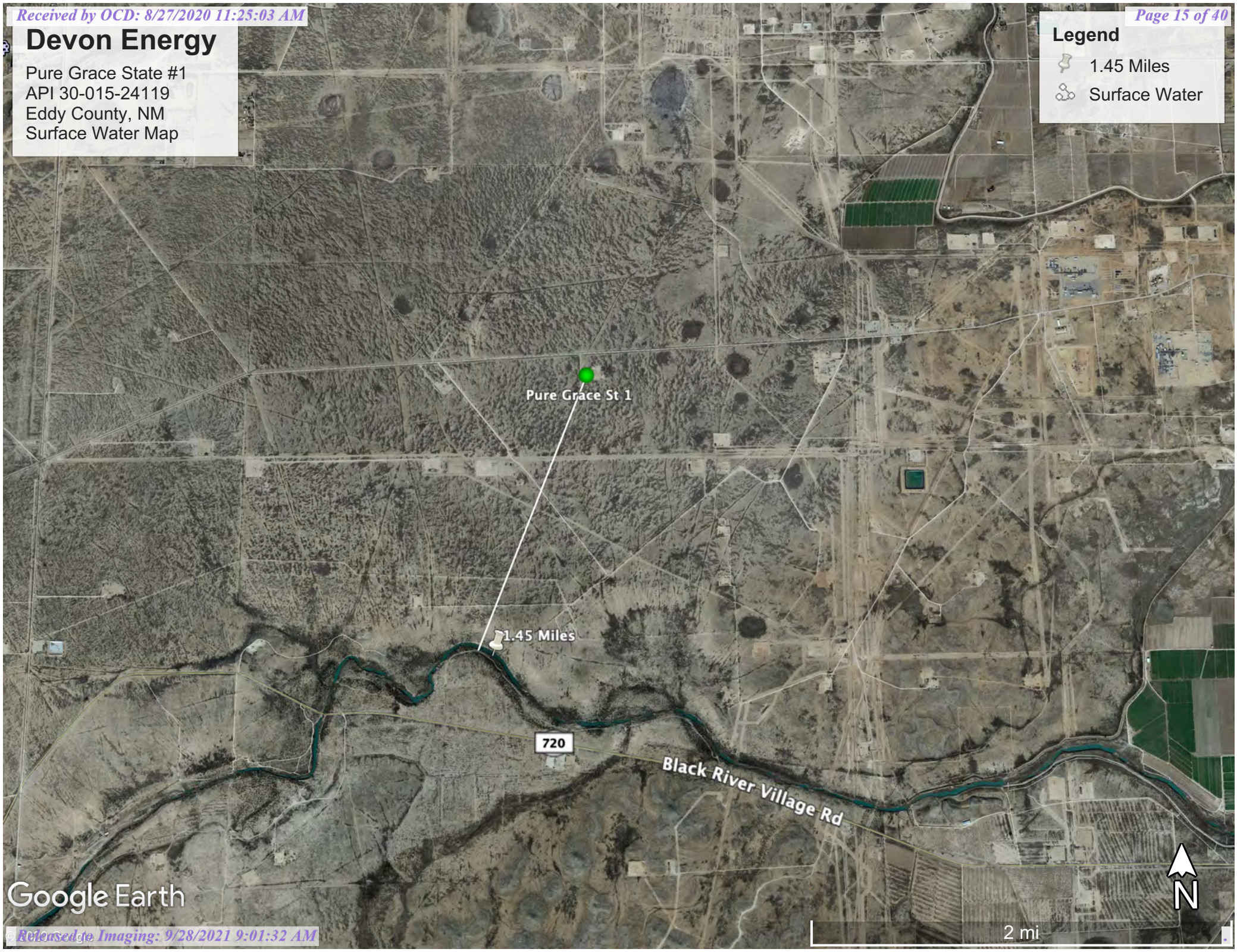
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 8/21/2020 at 3:57 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.

Devon Energy

Pure Grace State #1
API 30-015-24119
Eddy County, NM
Surface Water Map



Pima Environmental Services

Appendix B
Soil Survey & Geological Data:
USDA

Eddy Area, New Mexico

RA—Reagan loam, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w5c
Elevation: 1,100 to 4,400 feet
Mean annual precipitation: 7 to 14 inches
Mean annual air temperature: 60 to 70 degrees F
Frost-free period: 200 to 240 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Reagan and similar soils: 98 percent
Minor components: 2 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Reagan

Setting

Landform: Alluvial fans, fan remnants
Landform position (three-dimensional): Rise
Down-slope shape: Linear, convex
Across-slope shape: Linear
Parent material: Alluvium and/or eolian deposits

Typical profile

H1 - 0 to 8 inches: loam
H2 - 8 to 60 inches: loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
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 content: 40 percent
Maximum salinity: Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water capacity: Moderate (about 8.2 inches)

Interpretive groups

Land capability classification (irrigated): 2e
Land capability classification (nonirrigated): 6e
Hydrologic Soil Group: B
Ecological site: R042XC007NM - Loamy

Hydric soil rating: No

Minor Components

Upton

Percent of map unit: 1 percent
Ecological site: R042XC025NM - Shallow
Hydric soil rating: No

Atoka

Percent of map unit: 1 percent
Ecological site: R042XC007NM - Loamy
Hydric soil rating: No

Data Source Information

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

Pima Environmental Services

Appendix C
C-141's:
Initial
Final

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

NM OIL CONSERVATION
ARTESIA DISTRICT
MAY 07 2015
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

nAB1513152308

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company Devon Energy Production 6137	**Contact** Roy White
Address 6488 Seven Rivers Hwy Artesia, NM 88220	**Telephone No.** 575-513-1741
Facility Name Pure Grace State 1	**Facility Type** Gas

Surface Owner State	**Mineral Owner** State	**API No.** 30-015-24119

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
J	34	23S	27E	1980	South	1980	East	Eddy

Latitude: N 32°26" **Longitude:** W 104°17'5"

NATURE OF RELEASE

Type of Release Spill water and oil	**Volume of Release** 90 bbls	**Volume Recovered** 90 bbls
Source of Release Spill was due to lightening catching the water and oil tanks on fire and causing the tops to blow off.	**Date and Hour of Occurrence** May 4, 2015	**Date and Hour of Discovery** May 4, 2015
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	**If YES, To Whom?** Jim Amos at BLM	
By Whom? David Simmons Assistant Night Production Foreman	**Date and Hour** May 4, 2015 @ 10:00 PM	
Was a Watercourse Reached? ☐ Yes ☒ No	**If YES, Volume Impacting the Watercourse**	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

Lightning struck either the water tank or oil tank blowing the tops off of both tanks. The top of the water tanks was blown about 50 ft North West in to the pasture behind the battery, and the top of the oil tanks was blown about 15 ft to the South East of the front side of the battery. The water tank had burned to the ground leaving about a 3 ft height steel of what used to be the tank. The spill was contained inside the containment. Basic Energy Trucking recovered 70 bbls from containment and 20 bbls out of the oil tank due to the main way cover seal being melted from the heat of the fire. A total of 90 bbls were recovered.

Describe Area Affected and Cleanup Action Taken.*

All fluid stayed inside of containment and tank. Basic Energy Trucking recovered the 70 bbl spill and 20 bbls of oil from the oil tank. Tanks will be replaced at the locations.

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: Corina Moya	OIL CONSERVATION DIVISION
Printed Name: **Corina Moya**	Approved by Environmental Specialist:
Title: **Field Admin Support**	Approval Date: 5/11/15 Expiration Date: N/A
E-mail Address: **corina.moya@dvn.com**	Conditions of Approval: **Remediation per O.C.D. Rules & Guidelines SUBMIT REMEDIATION PROPOSAL NO LATER THAN: 6/12/15** Attached ☐
Date: 5.7.2015 Phone: **575.746.5559**	

* Attach Additional Sheets If Necessary

2RP-2995

Patterson, Heather, EMNRD

From: Moya, Corina <Corina.Moya@dvn.com>
Sent: Thursday, May 07, 2015 2:10 PM
To: Patterson, Heather, EMNRD; Bratcher, Mike, EMNRD; Sol Hughes (shughes@blm.gov); Jeff Robertson (jlrobertson@blm.gov)
Cc: Jim Amos (jamos@blm.gov)
Subject: Pure grace State 1 90 bbl water and oil spill 5.4.2015
Attachments: Pure Grace State 1_90 bbl water and oil spill 5.4.2015 pic 2 of 5.jpeg; Pure Grace State 1_90 bbl water and oil spill 5.4.2015 pic 3 of 5.jpeg; Pure Grace State 1_90 bbl water and oil spill 5.4.2015 pic 4 of 5.jpeg; Pure Grace State 1_90 bbl water and oil spill 5.4.2015 pic 5 of 5.jpeg; Pure Grace State 1_90 bbl water and oil spill 5.4.2015 C-141.doc; Pure Grace State 1_90 bbl water and oil spill 5.4.2015 pic 1 of 5.jpeg; Pure Grace State 1_90 bbl water and oil spill 5.4.2015 GIS Mapping2.docx

Good afternoon,
Please see the attached C-141 and pics of the incident at the Pure Grace State 1 that occurred on 5.4.2015

Thank you,

Corina Moya
Field Admin Support
Production
B Schedule

Devon Energy Corporation
PO Box 250
Artesia, NM 88211
575 746 5559

devon

Incident ID	NAB1513152308
District RP	2RP-2995
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?	67 (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 6

State of New Mexico
Oil Conservation Division

Incident ID	NAB1513152308
District RP	2RP-2995
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: Tom Bynum Title: EHS Consultant

Signature: Tom Bynum Date: 8/27/2020

Email: tom.bynum@dvn.com Telephone: 575-748-3371

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	NAB1513152308
District RP	2RP-2995
Facility ID	
Application ID	

Remediation Plan

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

☒ Detailed description of proposed remediation technique
☒ Scaled sitemap with GPS coordinates showing delineation points
☒ Estimated volume of material to be remediated
☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: ***Each of the following items must be confirmed as part of any request for deferral of remediation.***

☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.

☐ Extents of contamination must be fully delineated.

☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: Tom Bynum Title: EHS Consultant

Signature: Tom Bynum Date: 8/27/2020

Email: tom.bynum@dvn.com Telephone: 575-748-3371

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	NAB1513152308
District RP	2RP-2995
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: ***Each of the following items must be included in the closure report.***

☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

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

☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Tom Bynum Title: EHS Consultant

Signature: Tom Bynum Date: 8/27/2020

Email: tom.bynum@dvn.com Telephone: 575-748-3371

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: Bradford Billings Date: 09/28/2021

Printed Name: Bradford Billings Title: Envi.Spec.A

Pima Environmental Services

Appendix D:
Photographs

Photos


DIRECTION
355 deg(T)
32.26007°N
104.17502°W
ACCURACY 9 m
DATUM WGS84
Pure Grace ST 1H
Site Pics
2020-07-21
13:22:06-05:00


DIRECTION
74 deg(T)
32.26005°N
104.17501°W
ACCURACY 7 m
DATUM WGS84
Pure Grace ST 1H
Site Pics
2020-07-21
13:22:09-05:00


DIRECTION
60 deg(T)
32.26016°N
104.17505°W
ACCURACY 5 m
DATUM WGS84
Pure Grace ST 1H
Site Pics
2020-07-21
13:22:21-05:00


DIRECTION
98 deg(T)
32.26016°N
104.17505°W
ACCURACY 5 m
DATUM WGS84
Pure Grace ST 1H
Site Pics
2020-07-21
13:22:24-05:00

Pima Environmental Services

Appendix E:
Laboratory Reports

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

August 04, 2020

Chris Jones

Pima Environmental Services LLC
1601 N. Turner Ste 500
Hobbs, NM 88240
TEL: (575) 631-6977
FAX:

RE: Pure Grace State 1 OrderNo.: 2007C55

Dear Chris Jones:

Hall Environmental Analysis Laboratory received 4 sample(s) on 7/24/2020 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2007C55**
Date Reported: **8/4/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC
Client Sample ID: N-Comp
Project: Pure Grace State 1
Collection Date: 7/23/2020 9:32:00 AM
Lab ID: 2007C55-001 **Matrix:** SOIL
Received Date: 7/24/2020 9:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	7/31/2020 2:47:20 AM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/31/2020 2:47:20 AM
Surr: DNOP	82.1	30.4-154		%Rec	1	7/31/2020 2:47:20 AM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	ND	60		mg/Kg	20	7/30/2020 6:59:43 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**
Benzene	ND	0.025		mg/Kg	1	7/28/2020 3:51:00 AM
Toluene	ND	0.049		mg/Kg	1	7/28/2020 3:51:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	7/28/2020 3:51:00 AM
Xylenes, Total	ND	0.099		mg/Kg	1	7/28/2020 3:51:00 AM
Surr: 1,2-Dichloroethane-d4	91.0	70-130		%Rec	1	7/28/2020 3:51:00 AM
Surr: 4-Bromofluorobenzene	91.7	70-130		%Rec	1	7/28/2020 3:51:00 AM
Surr: Dibromofluoromethane	103	70-130		%Rec	1	7/28/2020 3:51:00 AM
Surr: Toluene-d8	98.6	70-130		%Rec	1	7/28/2020 3:51:00 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/28/2020 3:51:00 AM
Surr: BFB	102	70-130		%Rec	1	7/28/2020 3:51:00 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2007C55**
Date Reported: **8/4/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC
Client Sample ID: S-Comp
Project: Pure Grace State 1
Collection Date: 7/23/2020 9:34:00 AM
Lab ID: 2007C55-002 **Matrix:** SOIL
Received Date: 7/24/2020 9:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	7/31/2020 3:11:46 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/31/2020 3:11:46 AM
Surr: DNOP	88.8	30.4-154		%Rec	1	7/31/2020 3:11:46 AM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	840	60		mg/Kg	20	7/30/2020 7:12:04 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**
Benzene	ND	0.024		mg/Kg	1	7/28/2020 4:19:30 AM
Toluene	ND	0.049		mg/Kg	1	7/28/2020 4:19:30 AM
Ethylbenzene	ND	0.049		mg/Kg	1	7/28/2020 4:19:30 AM
Xylenes, Total	ND	0.098		mg/Kg	1	7/28/2020 4:19:30 AM
Surr: 1,2-Dichloroethane-d4	93.0	70-130		%Rec	1	7/28/2020 4:19:30 AM
Surr: 4-Bromofluorobenzene	91.6	70-130		%Rec	1	7/28/2020 4:19:30 AM
Surr: Dibromofluoromethane	97.8	70-130		%Rec	1	7/28/2020 4:19:30 AM
Surr: Toluene-d8	96.7	70-130		%Rec	1	7/28/2020 4:19:30 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/28/2020 4:19:30 AM
Surr: BFB	96.9	70-130		%Rec	1	7/28/2020 4:19:30 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2007C55**
Date Reported: **8/4/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC
Client Sample ID: E-Comp
Project: Pure Grace State 1
Collection Date: 7/23/2020 9:36:00 AM
Lab ID: 2007C55-003 **Matrix:** SOIL
Received Date: 7/24/2020 9:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	7/31/2020 3:36:11 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/31/2020 3:36:11 AM
Surr: DNOP	85.6	30.4-154		%Rec	1	7/31/2020 3:36:11 AM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	1700	60		mg/Kg	20	7/30/2020 7:24:23 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**
Benzene	ND	0.024		mg/Kg	1	7/28/2020 4:48:03 AM
Toluene	ND	0.049		mg/Kg	1	7/28/2020 4:48:03 AM
Ethylbenzene	ND	0.049		mg/Kg	1	7/28/2020 4:48:03 AM
Xylenes, Total	ND	0.097		mg/Kg	1	7/28/2020 4:48:03 AM
Surr: 1,2-Dichloroethane-d4	94.5	70-130		%Rec	1	7/28/2020 4:48:03 AM
Surr: 4-Bromofluorobenzene	96.6	70-130		%Rec	1	7/28/2020 4:48:03 AM
Surr: Dibromofluoromethane	93.6	70-130		%Rec	1	7/28/2020 4:48:03 AM
Surr: Toluene-d8	98.2	70-130		%Rec	1	7/28/2020 4:48:03 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/28/2020 4:48:03 AM
Surr: BFB	105	70-130		%Rec	1	7/28/2020 4:48:03 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2007C55**
Date Reported: **8/4/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC
Client Sample ID: W-Comp
Project: Pure Grace State 1
Collection Date: 7/23/2020 9:38:00 AM
Lab ID: 2007C55-004 **Matrix:** SOIL
Received Date: 7/24/2020 9:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	7/31/2020 4:00:38 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/31/2020 4:00:38 AM
Surr: DNOP	88.0	30.4-154		%Rec	1	7/31/2020 4:00:38 AM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	180	60		mg/Kg	20	7/30/2020 7:36:44 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**
Benzene	ND	0.025		mg/Kg	1	7/28/2020 5:16:39 AM
Toluene	ND	0.050		mg/Kg	1	7/28/2020 5:16:39 AM
Ethylbenzene	ND	0.050		mg/Kg	1	7/28/2020 5:16:39 AM
Xylenes, Total	ND	0.10		mg/Kg	1	7/28/2020 5:16:39 AM
Surr: 1,2-Dichloroethane-d4	98.9	70-130		%Rec	1	7/28/2020 5:16:39 AM
Surr: 4-Bromofluorobenzene	93.1	70-130		%Rec	1	7/28/2020 5:16:39 AM
Surr: Dibromofluoromethane	103	70-130		%Rec	1	7/28/2020 5:16:39 AM
Surr: Toluene-d8	102	70-130		%Rec	1	7/28/2020 5:16:39 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/28/2020 5:16:39 AM
Surr: BFB	103	70-130		%Rec	1	7/28/2020 5:16:39 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2007C55**

04-Aug-20

Client: Pima Environmental Services LLC

Project: Pure Grace State 1

Sample ID: **MB-54063**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **54063**	RunNo: **70743**
Prep Date: **7/30/2020**	Analysis Date: **7/30/2020**	SeqNo: **2461854** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-54063**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **54063**	RunNo: **70743**
Prep Date: **7/30/2020**	Analysis Date: **7/30/2020**	SeqNo: **2461855** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.2	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2007C55**

04-Aug-20

Client: Pima Environmental Services LLC

Project: Pure Grace State 1

Sample ID: **MB-54001** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **PBS** Batch ID: **54001** RunNo: **70722**

Prep Date: **7/28/2020** Analysis Date: **7/30/2020** SeqNo: **2462290** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.7		10.00		97.1	30.4	154			

Sample ID: **LCS-54001** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **LCSS** Batch ID: **54001** RunNo: **70722**

Prep Date: **7/28/2020** Analysis Date: **7/30/2020** SeqNo: **2462291** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	98.0	70	130			
Surr: DNOP	4.7		5.000		93.7	30.4	154			

Sample ID: **MB-54086** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **PBS** Batch ID: **54086** RunNo: **70751**

Prep Date: **7/31/2020** Analysis Date: **7/31/2020** SeqNo: **2462385** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	10		10.00		103	30.4	154			

Sample ID: **LCS-54086** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **LCSS** Batch ID: **54086** RunNo: **70751**

Prep Date: **7/31/2020** Analysis Date: **7/31/2020** SeqNo: **2462386** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.7		5.000		93.4	30.4	154			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2007C55**

04-Aug-20

Client: Pima Environmental Services LLC

Project: Pure Grace State 1

Sample ID: **mb-53952** SampType: **MBLK** TestCode: **EPA Method 8260B: Volatiles Short List**

Client ID: **PBS** Batch ID: **53952** RunNo: **70643**

Prep Date: **7/25/2020** Analysis Date: **7/27/2020** SeqNo: **2458337** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.50		0.5000		99.4	70	130			
Surr: 4-Bromofluorobenzene	0.46		0.5000		92.6	70	130			
Surr: Dibromofluoromethane	0.51		0.5000		103	70	130			
Surr: Toluene-d8	0.50		0.5000		99.9	70	130			

Sample ID: **lcs-53952** SampType: **LCS4** TestCode: **EPA Method 8260B: Volatiles Short List**

Client ID: **BatchQC** Batch ID: **53952** RunNo: **70643**

Prep Date: **7/25/2020** Analysis Date: **7/27/2020** SeqNo: **2458338** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	100	80	120			
Toluene	0.95	0.050	1.000	0	94.9	80	120			
Ethylbenzene	1.0	0.050	1.000	0	101	80	120			
Xylenes, Total	3.1	0.10	3.000	0	102	80	120			
Surr: 1,2-Dichloroethane-d4	0.48		0.5000		96.4	70	130			
Surr: 4-Bromofluorobenzene	0.47		0.5000		93.1	70	130			
Surr: Dibromofluoromethane	0.47		0.5000		94.8	70	130			
Surr: Toluene-d8	0.48		0.5000		95.5	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2007C55**

04-Aug-20

Client: Pima Environmental Services LLC

Project: Pure Grace State 1

Sample ID: **mb-53952** SampType: **MBLK** TestCode: **EPA Method 8015D Mod: Gasoline Range**

Client ID: **PBS** Batch ID: **53952** RunNo: **70643**

Prep Date: **7/25/2020** Analysis Date: **7/27/2020** SeqNo: **2458363** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	510		500.0		101	70	130			

Sample ID: **lcs-53952** SampType: **LCS** TestCode: **EPA Method 8015D Mod: Gasoline Range**

Client ID: **LCSS** Batch ID: **53952** RunNo: **70643**

Prep Date: **7/25/2020** Analysis Date: **7/27/2020** SeqNo: **2458364** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	25.00	0	83.0	70	130			
Surr: BFB	520		500.0		104	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

Sample Log-In Check List

Client Name: **Pima Environmental Services LLC** Work Order Number: **2007C55** RcptNo: **1**

Received By: **Scott Anderson** **7/24/2020 9:50:00 AM**

Completed By: **Isaiah Ortiz** **7/24/2020 10:20:58 AM** I-OK

Reviewed By: JR 7/24/20

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: 7/24/20 CMR

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.4	Good	Not Present			

Chain-of-Custody Record

Client: Pima Environmental

Mailing Address: 1601 N. Turner ste 500
Hobbs, NM 88240

Phone #: 575-631-6977

email or Fax#: Chris@pimaoil.com

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time: 5 Day
☒ Standard ☐ Rush

Project Name: Pure Grace State 1

Project #: 20829043

Project Manager: Chris Jones

Sampler:

On Ice: ☑ Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 1.4-0=1.4 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2007555	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Chloride
7/23/20	0932	S	N-Comp	Glass	ICE	-001											
	0934		S-Comp			-002											
	0936		E-Comp			-003											
	0938		W-Comp			-004											
		TO 7/24/20															

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
			[signature]		7/23/20	1015
7/23/20	1900	[signature]	SPA	Courier ~~UPS~~	7.24.20	9:50

Remarks:
Bill to Devon

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.
SPA 7.24.20

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:	OGRID:
Pima Environmental Services, LLC 1601 N. Turner Hobbs, NM 88240	329999
	Action Number: 9871
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bbillings	None	9/28/2021