



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

April 26th, 2021

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

Bureau of Land Management
Mr. Jim Amos
620 East Green Street
Carlsbad, NM 88220

**Re: Site Assessment and Closure Report
State BH #001
API No. 30-025-00350
GPS: Latitude 32.9688911 Longitude -103.7324295
UL "P", Sec. 32, T15S, R32E
Lea County, NM
NMOCD Ref. No. NPAC0730333078**

Dear Mr. Bratcher and Mr. Amos,

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 release that occurred at the State BH #001 (State BH). An initial C-141 could not be found, please see the details of this incident in Appendix C. This incident was assigned Incident ID NPAC0730333078, by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The State BH is located approximately eight (8) miles north of Maljamar, NM. This spill site is in Unit P, Section 32, Township 15S, Range 32E, Latitude 32.9688911, Longitude -103.7324295, Lea County, NM. Figure 1 references a Location map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is in the Ogallala Formation- Alluvial and eolian deposits, and petrocalcic soils of the southern High Plains. Locally includes Qoa. (Lower Pliocene to middle Miocene) The soil in this area is made up of Arvana-Lea association, 0 to 1 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 State BH (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 252 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is greater than 100 feet BGS. The closest waterway is a playa located approximately .29 miles to the southwest 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
252'	20,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg
Reclaim	600 mg/kg	100 mg/kg		50 mg/kg	10 mg/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 Topographic Map.

Release Information

NPAC0730333078: On July 21st, 2007, a tank was struck by lightning, which caused fluid to release. The calculated amount of fluid released was approximately 40 barrels (bbls) of produced water. A vacuum truck was able to recover approximately 10 barrels (bbls) of standing fluid.

Site Assessment and Soil Sampling Results

On August 10th, 2020 Pima Environmental conducted a site assessment and obtained soil samples. The laboratory results of this sampling event can be found in the following data table.

8-10-20 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
Sample Date 8-10-20		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
S-1	0-6	ND	ND	ND	ND	ND	ND	128
	1	ND	ND	ND	ND	ND	ND	288
	2	ND	ND	ND	ND	ND	ND	464
	3	ND	ND	ND	ND	ND	ND	560
S-2	0-6	ND	ND	ND	ND	ND	ND	ND
	1	ND	ND	ND	ND	ND	ND	ND
	2	ND	ND	ND	ND	ND	ND	80
	3	ND	ND	ND	ND	ND	ND	256
S-3	0-6	ND	ND	ND	ND	ND	ND	32
	1	ND	ND	ND	ND	ND	ND	16
	2	ND	ND	ND	ND	ND	ND	80
	3	ND	ND	ND	ND	ND	ND	128
S-4	0-6	ND	ND	ND	ND	ND	ND	32
	1	ND	ND	ND	ND	ND	ND	96
	2	ND	ND	ND	ND	ND	ND	528
S-5	0-6	ND	ND	ND	ND	ND	ND	720
	1	ND	ND	ND	ND	ND	ND	752
	2	ND	ND	ND	ND	ND	ND	736
	3	ND	ND	ND	ND	ND	ND	608
S-6	0-6	ND	ND	ND	ND	ND	ND	400
S-7	0-6	ND	ND	ND	ND	ND	ND	32
S-8	0-6	ND	ND	ND	ND	ND	ND	ND
S-9	0-6	ND	ND	ND	ND	ND	ND	64
	1	ND	ND	ND	ND	ND	ND	176
	2	ND	ND	ND	ND	ND	ND	352
	3	ND	ND	ND	ND	ND	ND	320
S-10	0-6	ND	ND	ND	ND	ND	ND	1700
	1	ND	ND	ND	142	74	216	1120
	2	ND	ND	ND	25	ND	25	960
	3	ND	ND	ND	25	ND	25	688
S-11	0-6	ND	ND	ND	ND	ND	ND	2400
	1	ND	ND	ND	ND	ND	ND	896
	2	ND	ND	ND	ND	ND	ND	144
S-12	0-6	ND	ND	ND	28	12	40	224
	1	ND	ND	ND	ND	ND	ND	112
	2	ND	ND	ND	ND	ND	ND	880
	3	ND	ND	ND	ND	ND	ND	128

ND- Analyte Not Detected

Remediation Activities

On December 31st, 2020, Pima returned to the site to remediate the areas in the vicinity of S-5, and S-10 through S-12. Each area was worked and treated with a bioremediation chemical solution. The areas were then back dragged and returned to their prior landscaped state. Photographic documentation can be found in Appendix D.

On April 22nd, 2021, Pima returned to the site to obtain confirmation samples of the areas that were treated. The results of this sampling event can be seen in the following table.

4-22-21 Confirmation Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
Devon Energy - State BH #1								
Sample Date 4-22-21		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
S-5	0-6							ND
	1							ND
	3							ND
S-10	0-6	ND	ND	ND	ND	ND	ND	ND
	1	ND	ND	ND	ND	ND	ND	ND
	3	ND	ND	ND	ND	ND	ND	ND
S-11	0-6							ND
	1							ND
S-12	0-6							ND
	2							ND

ND – Analyte Not Detected

Complete Laboratory results can be found attached in Appendix E.

Closure Request

After careful review, Pima requests that this incident, NPAC0730333078, 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 Tom Bynum at 575-964-7740 or tom@pimaoil.com.

Respectfully,

Tom Bynum

Tom Bynum
Environmental Project Manager
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 - Photographic Documentation
- Appendix E - Laboratory Reports



Pima Environmental Services

Figures:

1-Location Map

2-Topo Map

3-Karst Map

4-Site Map

State BH 1

Devon Energy
API #30-025-00350
Lea County, NM
Location Map

Legend

● State BH 1

State BH 1

457

Hwy 82

238

82

Google Earth

10 mi

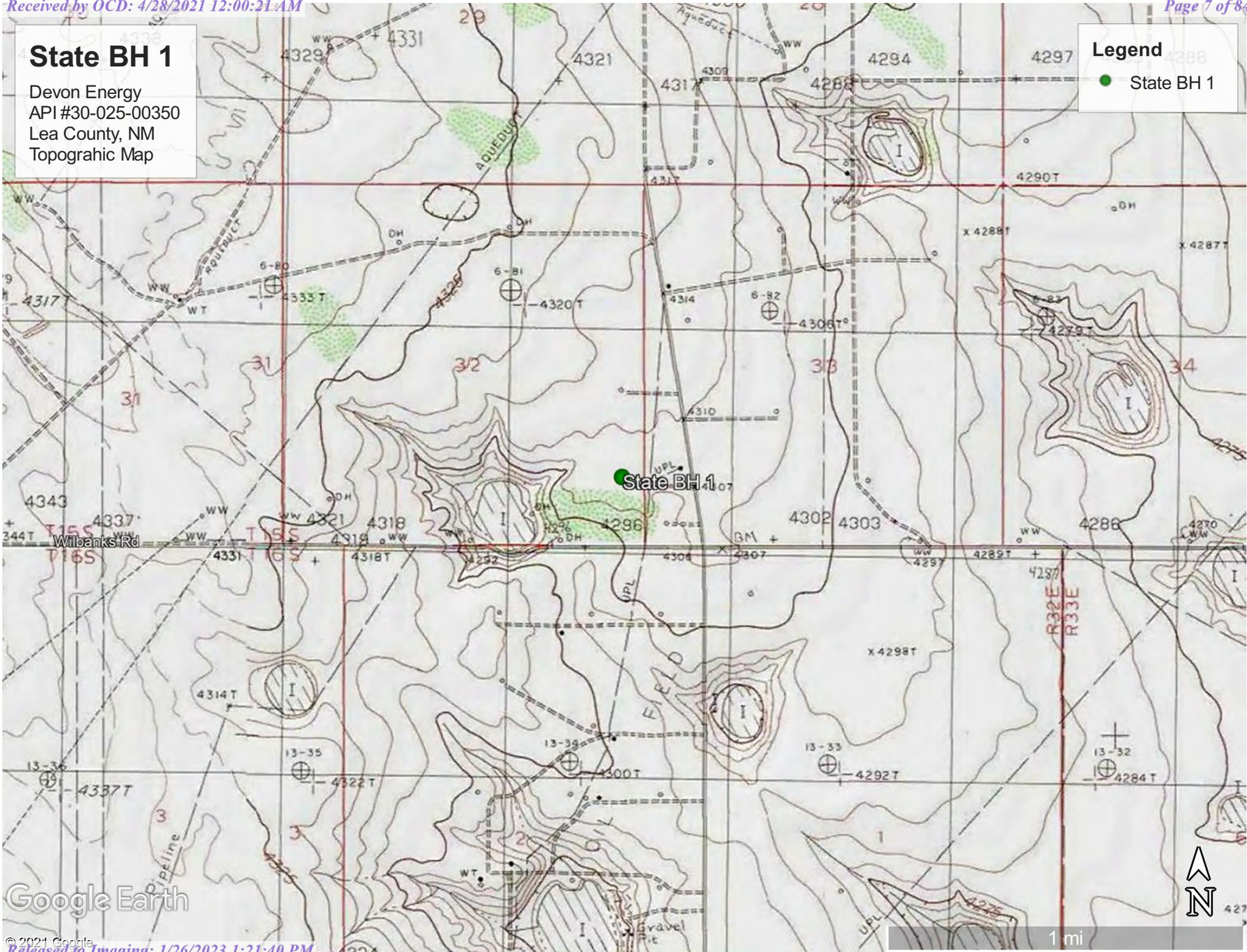


State BH 1

Devon Energy
API #30-025-00350
Lea County, NM
Topographic Map

Legend

- State BH 1



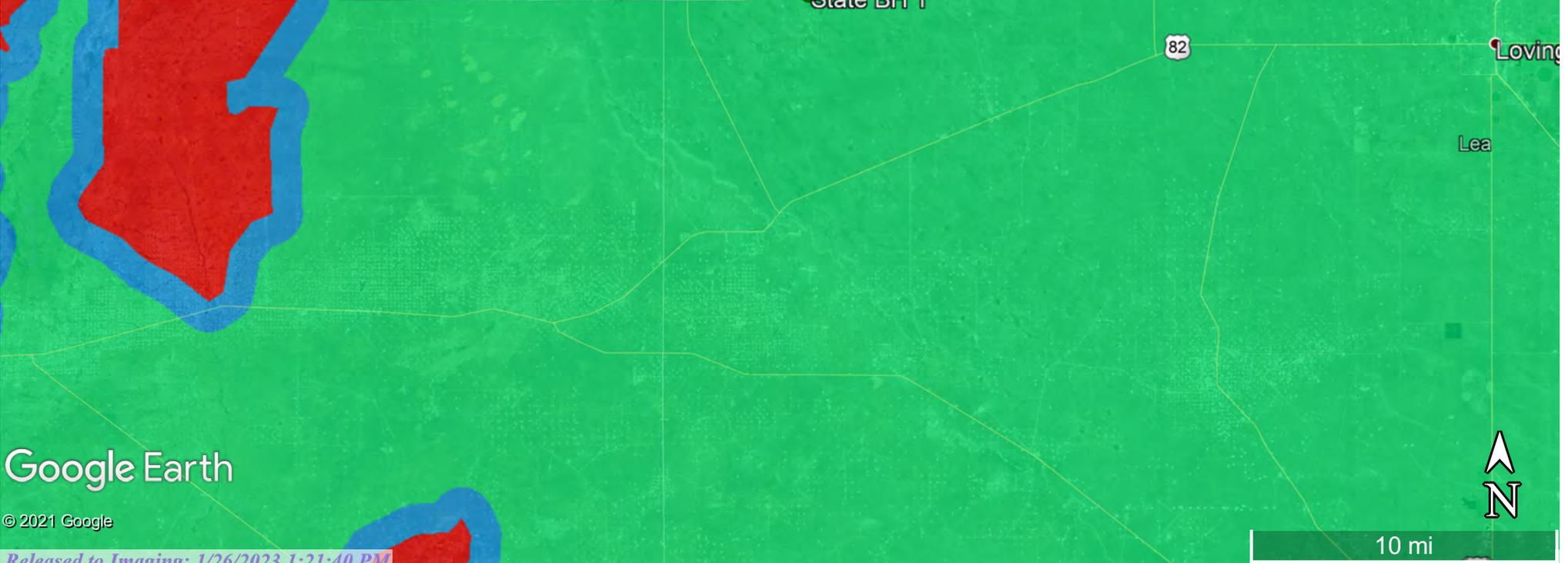
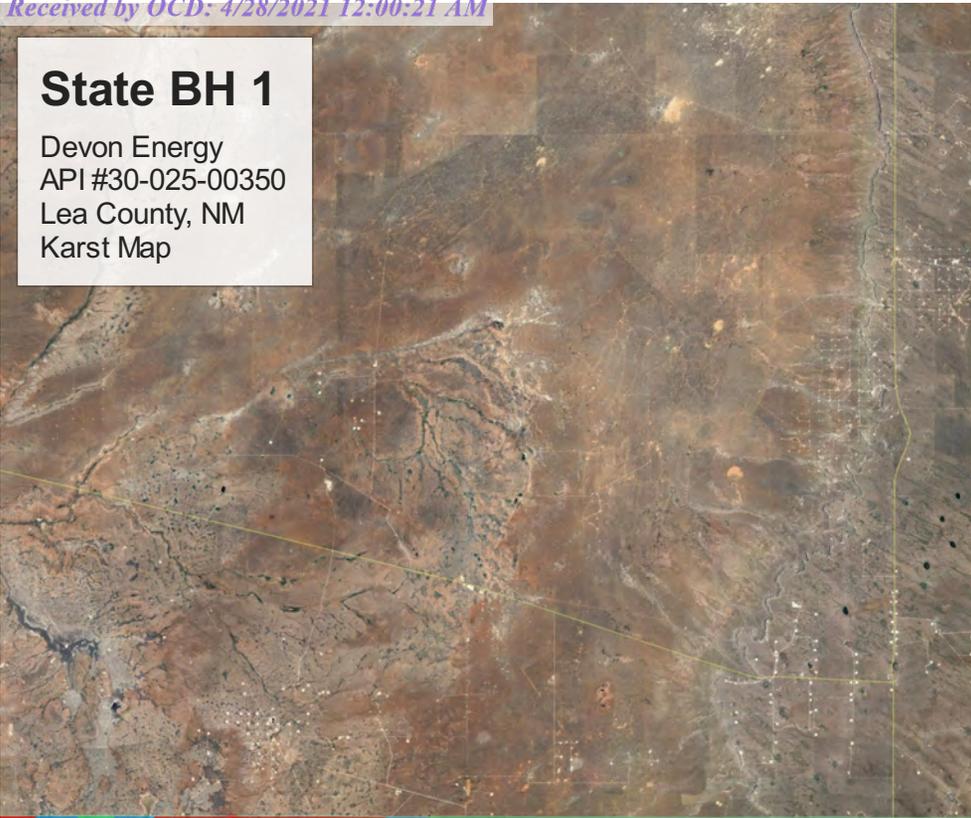
Google Earth

State BH 1

Devon Energy
API #30-025-00350
Lea County, NM
Karst Map

Legend

-  High Karst
-  Low Karst
-  Medium Karst



Google Earth

© 2021 Google

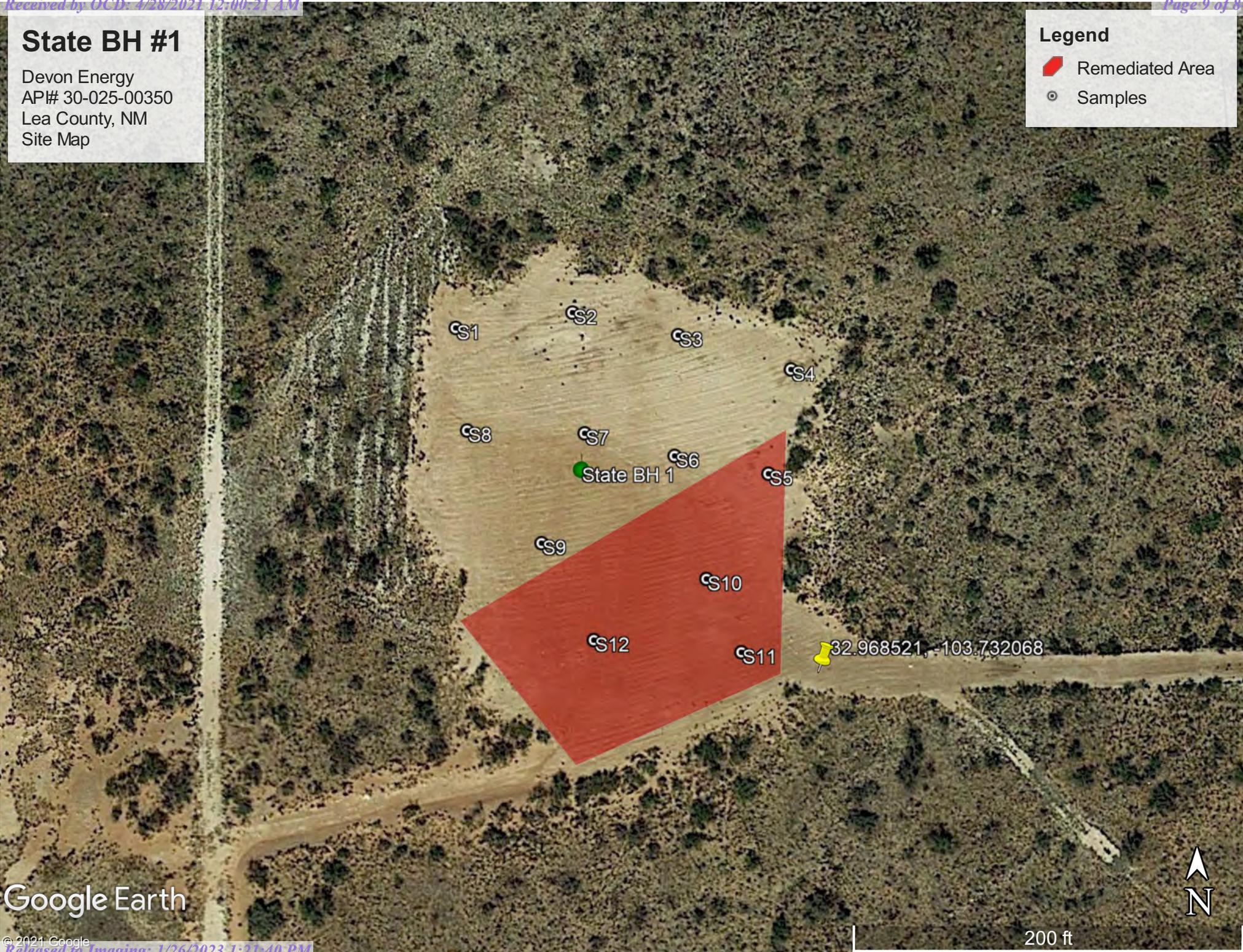
10 mi

State BH #1

Devon Energy
API# 30-025-00350
Lea County, NM
Site Map

Legend

-  Remediated Area
-  Samples



Google Earth



200 ft



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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	POD Code	Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
L_04918 POD19	L	LE	3 4 4	32	15S	32E	618255	3648337*	294	323	252	71			
L_09348	L	LE	3 4 4	32	15S	32E	618255	3648337*	294	280	190	90			
L_04918 POD18	L	LE	3 3 4	32	15S	32E	617853	3648332*	642	310	247	63			
L_04918 POD17	L	LE	3 4 3	32	15S	32E	617451	3648328*	1030	325	205	120			
L_01656	L	LE	1 2	32	15S	32E	617939	3649640*	1206	331	290	41			
L_05090 POD3	L	LE	2 1	32	15S	32E	617537	3649636*	1423	340	220	120			
L_03631	L	LE	1 2	02	16S	32E	618240	3647126*	1441	315	250	65			
L_03960 X3	L	LE	4 4	29	15S	32E	618337	3650047*	1501	348	230	118			
L_04918 POD31	L	LE	3 3 3	32	15S	32E	616984	3648240	1505	340	244	96			
L_04918 POD22	L	LE	4 4	33	15S	32E	619965	3648457*	1510	348	222	126			
L_04918 POD16	L	LE	3 3 3	32	15S	32E	616978	3648237	1512	330	224	106			
L_04918 POD16	R	L	LE	3 3 3	32	15S	32E	616978	3648237	1512	330	224	106		
L_03853 X	R	L	LE	3 4 4	31	15S	32E	616571	3648341	1898	305	260	45		
L_03853 POD2	L	ED	3 4 4	31	15S	32E	616570	3648340	1898	342	248	94			
L_04918 POD23	L	LE	3 3	34	15S	32E	620367	3648461*	1911	326	160	166			

Average Depth to Water: **231 feet**
 Minimum Depth: **160 feet**
 Maximum Depth: **290 feet**

Record Count: 15

UTMNAD83 Radius Search (in meters):

Easting (X): 618457.53

Northing (Y): 3648550.74

Radius: 2000

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

4/12/21 1:13 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER



USGS Home
Contact USGS
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National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

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- Explore the **NEW** [USGS National Water Dashboard](#) to access real-time data from over 13,500 stations nationwide.
- [Full News](#) 

Groundwater levels for the Nation

* IMPORTANT: [Next Generation Station Page](#)

Search Results -- 1 sites found

site_no list =

- 325743103440001

Minimum number of levels = 1

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

USGS 325743103440001 15S.32E.32.44333

Available data for this site

Groundwater: Field measurements

GO

Lea County, New Mexico

Hydrologic Unit Code 12080003

Latitude 32°57'58", Longitude 103°44'06" NAD27

Land-surface elevation 4,291.00 feet above NGVD29

The depth of the well is 323 feet below land surface.

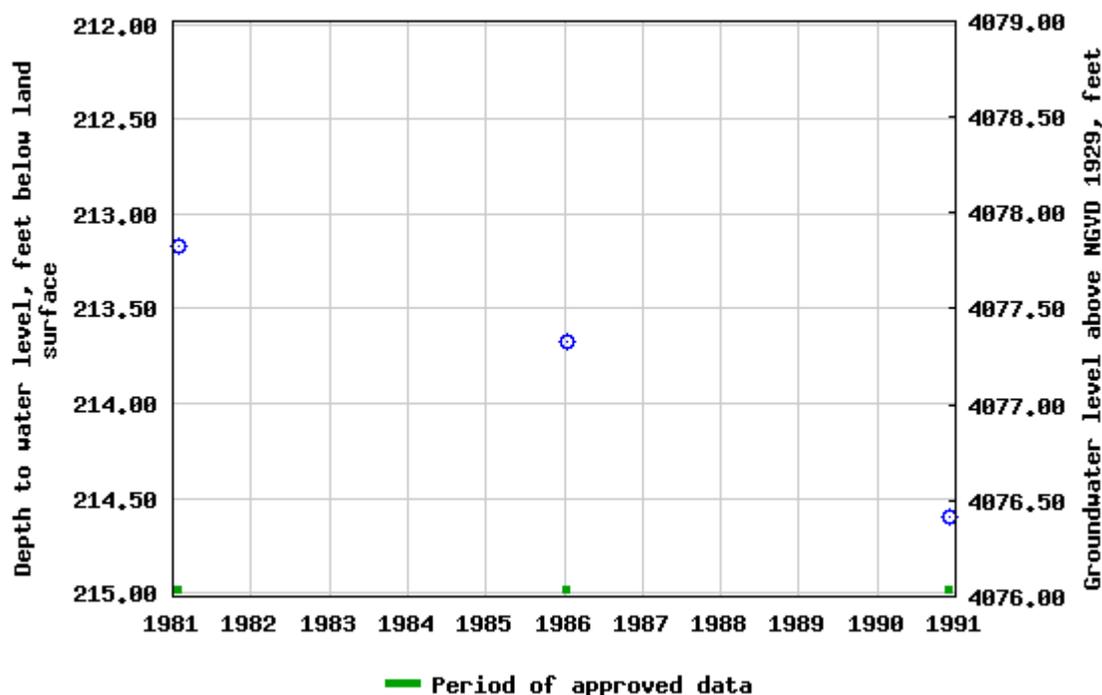
This well is completed in the High Plains aquifer (N100HGHPLN) national aquifer.

This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

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

USGS 325743103440001 15S.32E.32.44333



Breaks in the plot represent a gap of at least one year between field measurements.
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Title: Groundwater for USA: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>



Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2021-04-12 15:14:08 EDT

0.7 0.64 nadww01



USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

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- [Full News](#)

Groundwater levels for the Nation

* IMPORTANT: [Next Generation Station Page](#)

Search Results -- 1 sites found

site_no list =

- 325752103430201

Minimum number of levels = 1

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

USGS 325752103430201 15S.32E.33.44333

Available data for this site

Groundwater: Field measurements

GO

Lea County, New Mexico

Hydrologic Unit Code 12080003

Latitude 32°57'58", Longitude 103°43'04" NAD27

Land-surface elevation 4,296.00 feet above NGVD29

The depth of the well is 348 feet below land surface.

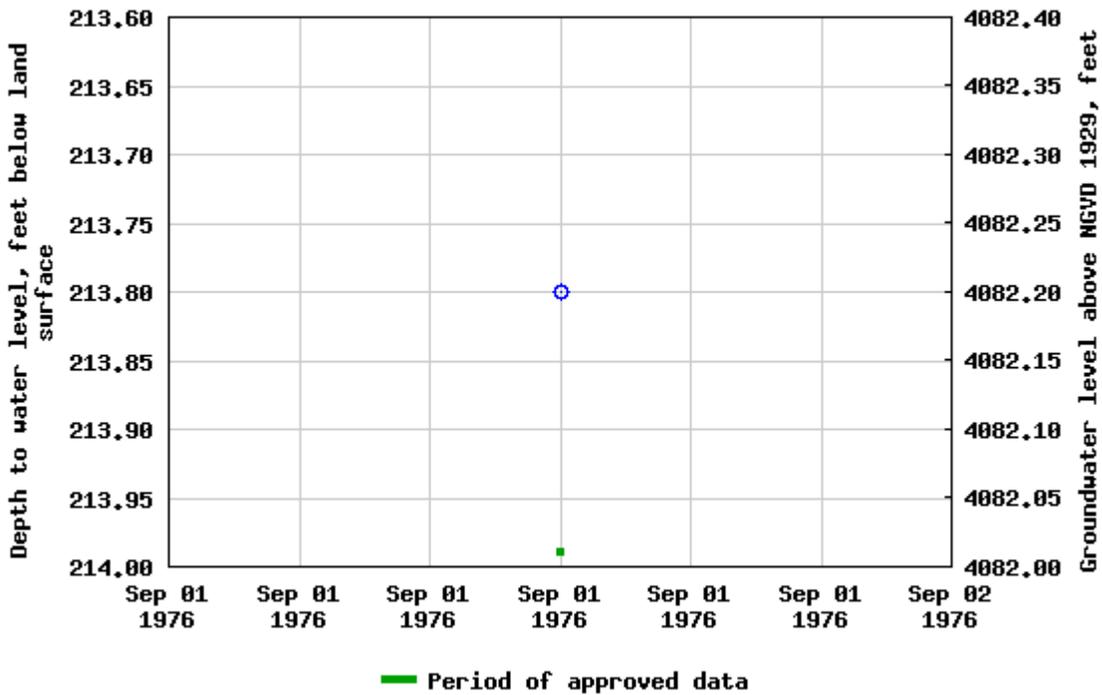
This well is completed in the High Plains aquifer (N100HGHPLN) national aquifer.

This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

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

USGS 325752103430201 15S.32E.33.44333



Breaks in the plot represent a gap of at least one year between field measurements.

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Title: Groundwater for USA: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>



Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2021-04-12 15:14:38 EDT

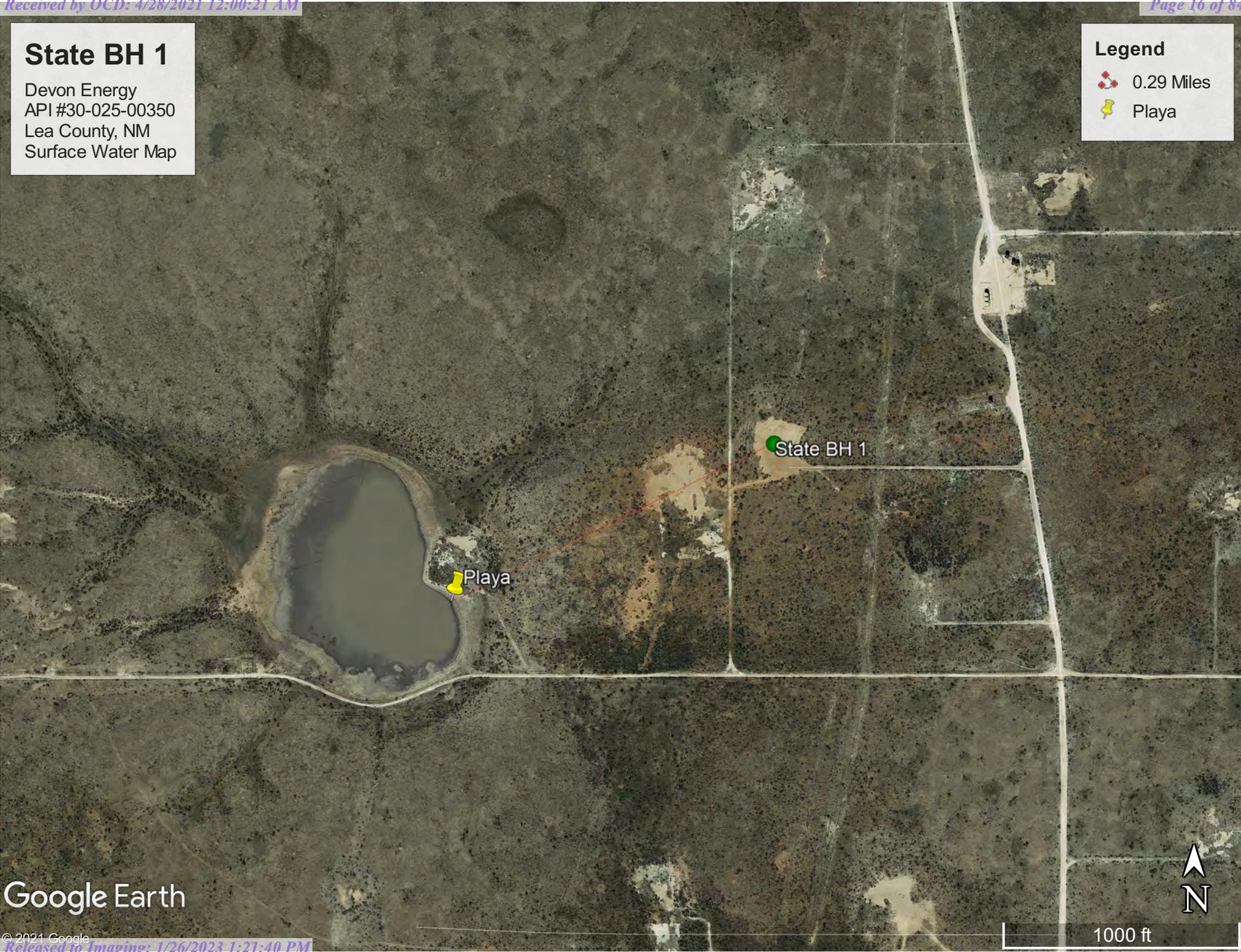
0.64 0.57 nadww01

State BH 1

Devon Energy
API #30-025-00350
Lea County, NM
Surface Water Map

Legend

-  0.29 Miles
-  Playa



Google Earth

1000 ft





Pima Environmental Services

Appendix B

Soil Survey & Geological Data

FEMA Flood Map

Map Unit Description: Arvana-Lea association---Lea County, New Mexico

Lea County, New Mexico

AW—Arvana-Lea association

Map Unit Setting

National map unit symbol: dmnx

Elevation: 3,600 to 4,400 feet

Mean annual precipitation: 12 to 16 inches

Mean annual air temperature: 58 to 60 degrees F

Frost-free period: 190 to 205 days

Farmland classification: Farmland of statewide importance

Map Unit Composition

Arvana and similar soils: 45 percent

Lea and similar soils: 40 percent

Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Arvana

Setting

Landform: Plains

Landform position (three-dimensional): Talf

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Calcareous alluvium and/or calcareous eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 6 inches: loam

Bt - 6 to 28 inches: sandy clay loam

Bkm - 28 to 38 inches: cemented material

BCK - 38 to 60 inches: sandy clay loam

Properties and qualities

Slope: 0 to 1 percent

Depth to restrictive feature: 20 to 40 inches to petrocalcic

Drainage class: Well drained

Runoff class: Negligible

Capacity of the most limiting layer to transmit water (Ksat): Low to moderately high (0.01 to 0.60 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 35 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 capacity: Low (about 4.1 inches)

Map Unit Description: Arvana-Lea association---Lea County, New Mexico

Interpretive groups

Land capability classification (irrigated): 6e
Land capability classification (nonirrigated): 6e
Hydrologic Soil Group: C
Ecological site: R077CY035TX - Sandy 16-21" PZ
Hydric soil rating: No

Description of Lea

Setting

Landform: Plains
Landform position (three-dimensional): Talf
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Loamy alluvium derived from sedimentary rock

Typical profile

A - 0 to 10 inches: loam
Bk - 10 to 26 inches: loam
Bkm - 26 to 36 inches: cemented material

Properties and qualities

Slope: 0 to 1 percent
Depth to restrictive feature: 20 to 40 inches to petrocalcic
Drainage class: Well drained
Runoff class: Medium
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: 35 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 capacity: Low (about 4.6 inches)

Interpretive groups

Land capability classification (irrigated): 4e
Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: C
Ecological site: R077CY028TX - Limy Upland 16-21" PZ
Hydric soil rating: No

Minor Components

Sharvana

Percent of map unit: 10 percent
Ecological site: R077CY056NM - Sandy Plains
Hydric soil rating: No

Amarillo

Percent of map unit: 3 percent

Map Unit Description: Arvana-Lea association---Lea County, New Mexico

Ecological site: R077CY035TX - Sandy 16-21" PZ
Hydric soil rating: No

Brownfield

Percent of map unit: 2 percent
Ecological site: R077DY046TX - Sandy 12-17" PZ
Hydric soil rating: No

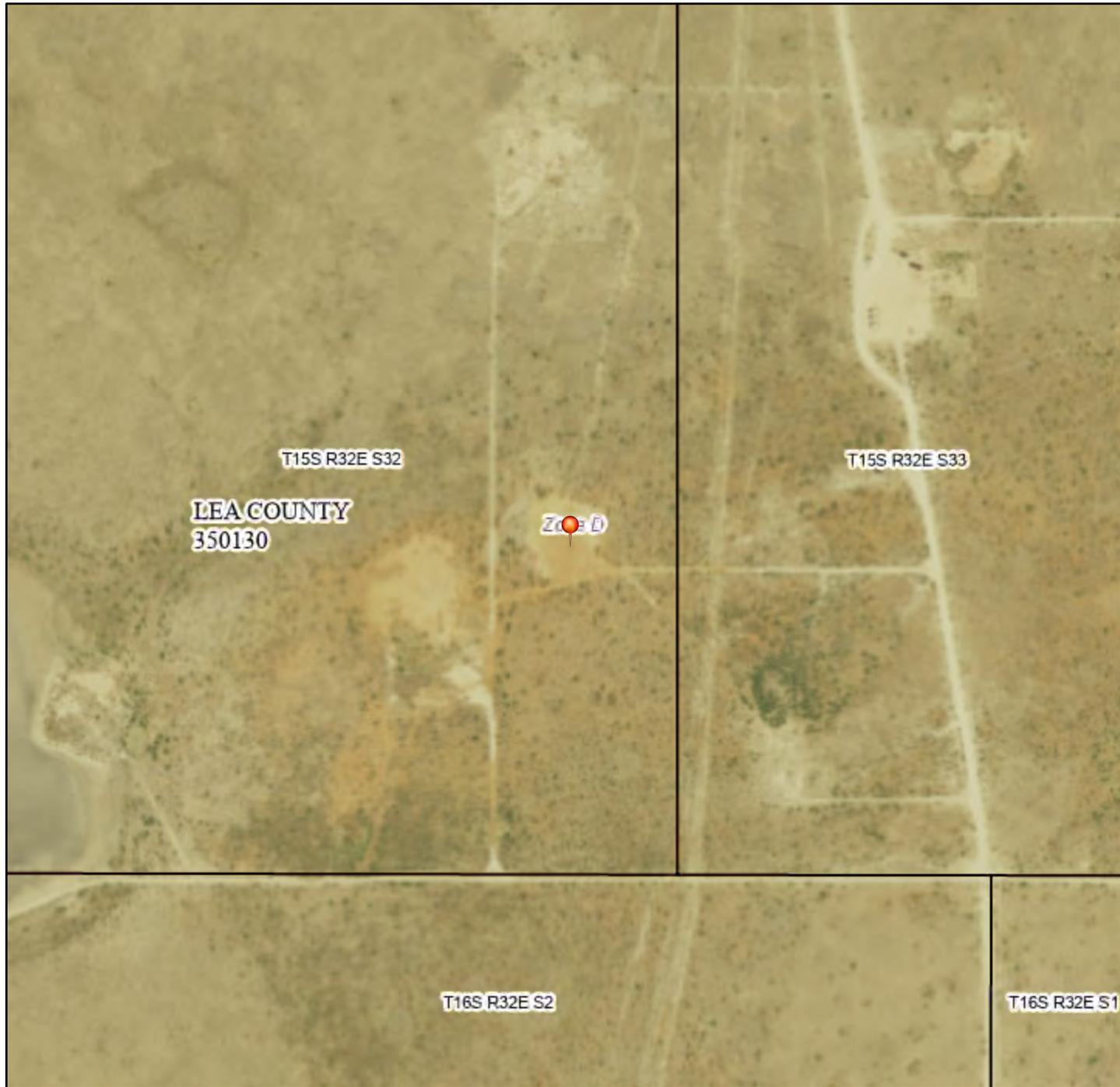
Data Source Information

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 17, Jun 8, 2020

National Flood Hazard Layer FIRMMette



103°44'15"W 32°58'22"N



Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) <i>Zone A, V, A99</i>
		With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i>
		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 <i>Zone X</i>
		Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i>
		Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i>
		Area with Flood Risk due to Levee <i>Zone D</i>

OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i>
		Effective LOMRs
		Area of Undetermined Flood Hazard <i>Zone D</i>

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

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

MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



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 4/12/2021 at 3:08 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.



Pima Environmental Services

Appendix C

C-141's:

Initial

Final



OCD Permitting

Home > Searches > Incidents > Incident Details

NPAC0730333078 2007 MAJOR A SWS @ 30-025-00350

General Incident Information

Site Name:
 Well: [30-025-00350] STATE BH #001
 Facility:
 Operator: [6137] DEVON ENERGY PRODUCTION COMPANY, LP
 Status: Closure Not Approved
 Type: Produced Water Release
 District: Hobbs
 Severity: Major
 Surface Owner:
 County: Lea (25)
 Incident Location: P-32-15S-32E 990 FSL 330 FEL
 Lat/Long: 32.9688911,-103.7324295 NAD83
 Directions:

Notes

Source of Referral: Industry Rep
 Action / Escalation:
 Resulted In Fire:
 Will or Has Reached Watercourse:
 Endangered Public Health:
 Property Or Environmental Damage:
 Fresh Water Contamination:

Contact Details

Contact Name: Contact Title:

Event Dates

Date of Discovery: 07/21/2007
 Extension Date: 11/15/2018
 Initial C-141 Received:
 Characterization Report Received:
 Remediation Plan Received:
 Closure Report Received:
 OCD Notified of Release:
 Cancelled Date:
 Characterization Report Approved:
 Remediation Plan Approved:
 Remediation Due:
 Closure Report Approved:

Incidents Materials

Cause	Source	Material	Volume				Units
			Unk.	Spilled	Recovered	Lost	
Lightning	Tank (Any)	Produced Water	<input type="checkbox"/>	40	10	30	BBL

Incident Events

Date	Detail
10/30/2007	C-141: tank struck by lightning

Orders

No Orders Found

Incident ID	NPAC0730333078
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?	<u>>100</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	NPAC0730333078
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: Wes Mathews Title: EHS Professional

Signature: *Wesley Mathews* Date: 4/26/2021

email: wesley.mathews@dvn.com Telephone: 575-513-8608

OCD Only

Received by: _____ Date: _____

Incident ID	NPAC0730333078
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.

- 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: Wes Mathews Title: EHS Professional
 Signature: Wesley Mathews Date: 4/26/2021
 email: wesley.mathews@dvn.com Telephone: 575-513-8608

OCD Only

Received by: OCD Date: 4/27/2021

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Ashley Maxwell Date: 1/26/2023
 Printed Name: Ashley Maxwell Title: Environmental Specialist



Pima Environmental Services

Appendix D

Photographic Documentation



SITE PHOTOGRAPHS









Pima Environmental Services

Appendix E

Laboratory Reports



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 13, 2020

CHRIS JONES

PIMA ENVIROMENTAL

1601 N TURNER STE. 500

HOBBS, NM 88240

RE: STATE BH #1

Enclosed are the results of analyses for samples received by the laboratory on 08/11/20 15:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
 CHRIS JONES
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	08/11/2020	Sampling Date:	08/10/2020
Reported:	08/13/2020	Sampling Type:	Soil
Project Name:	STATE BH #1	Sampling Condition:	Cool & Intact
Project Number:	42	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY COUNTY		

Sample ID: S 1 , 0-6" (H002085-01)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/12/2020	ND	2.12	106	2.00	6.19	
Toluene*	<0.050	0.050	08/12/2020	ND	2.17	108	2.00	5.36	
Ethylbenzene*	<0.050	0.050	08/12/2020	ND	2.12	106	2.00	5.66	
Total Xylenes*	<0.150	0.150	08/12/2020	ND	6.65	111	6.00	4.94	
Total BTEX	<0.300	0.300	08/12/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	08/12/2020	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/12/2020	ND	190	95.0	200	8.58	
DRO >C10-C28*	<10.0	10.0	08/12/2020	ND	192	96.1	200	8.42	
EXT DRO >C28-C36	<10.0	10.0	08/12/2020	ND					

Surrogate: 1-Chlorooctane 88.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 95.2 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
 CHRIS JONES
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	08/11/2020	Sampling Date:	08/10/2020
Reported:	08/13/2020	Sampling Type:	Soil
Project Name:	STATE BH #1	Sampling Condition:	Cool & Intact
Project Number:	42	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY COUNTY		

Sample ID: S 1 , 1' (H002085-02)

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/12/2020	ND	2.12	106	2.00	6.19		
Toluene*	<0.050	0.050	08/12/2020	ND	2.17	108	2.00	5.36		
Ethylbenzene*	<0.050	0.050	08/12/2020	ND	2.12	106	2.00	5.66		
Total Xylenes*	<0.150	0.150	08/12/2020	ND	6.65	111	6.00	4.94		
Total BTEX	<0.300	0.300	08/12/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	08/12/2020	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/12/2020	ND	190	95.0	200	8.58		
DRO >C10-C28*	<10.0	10.0	08/12/2020	ND	192	96.1	200	8.42		
EXT DRO >C28-C36	<10.0	10.0	08/12/2020	ND						

Surrogate: 1-Chlorooctane 96.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 104 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PIMA ENVIROMENTAL
 CHRIS JONES
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	08/11/2020	Sampling Date:	08/10/2020
Reported:	08/13/2020	Sampling Type:	Soil
Project Name:	STATE BH #1	Sampling Condition:	Cool & Intact
Project Number:	42	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY COUNTY		

Sample ID: S 1 , 2' (H002085-03)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/12/2020	ND	2.12	106	2.00	6.19	
Toluene*	<0.050	0.050	08/12/2020	ND	2.17	108	2.00	5.36	
Ethylbenzene*	<0.050	0.050	08/12/2020	ND	2.12	106	2.00	5.66	
Total Xylenes*	<0.150	0.150	08/12/2020	ND	6.65	111	6.00	4.94	
Total BTEX	<0.300	0.300	08/12/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	08/12/2020	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/12/2020	ND	190	95.0	200	8.58	
DRO >C10-C28*	<10.0	10.0	08/12/2020	ND	192	96.1	200	8.42	
EXT DRO >C28-C36	<10.0	10.0	08/12/2020	ND					

Surrogate: 1-Chlorooctane 101 % 44.3-144

Surrogate: 1-Chlorooctadecane 108 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PIMA ENVIROMENTAL
 CHRIS JONES
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	08/11/2020	Sampling Date:	08/10/2020
Reported:	08/13/2020	Sampling Type:	Soil
Project Name:	STATE BH #1	Sampling Condition:	Cool & Intact
Project Number:	42	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY COUNTY		

Sample ID: S 1 , 3' (H002085-04)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/12/2020	ND	2.12	106	2.00	6.19	
Toluene*	<0.050	0.050	08/12/2020	ND	2.17	108	2.00	5.36	
Ethylbenzene*	<0.050	0.050	08/12/2020	ND	2.12	106	2.00	5.66	
Total Xylenes*	<0.150	0.150	08/12/2020	ND	6.65	111	6.00	4.94	
Total BTEX	<0.300	0.300	08/12/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	08/12/2020	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/12/2020	ND	190	95.0	200	8.58	
DRO >C10-C28*	<10.0	10.0	08/12/2020	ND	192	96.1	200	8.42	
EXT DRO >C28-C36	<10.0	10.0	08/12/2020	ND					

Surrogate: 1-Chlorooctane 98.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 105 % 42.2-156

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
 CHRIS JONES
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	08/11/2020	Sampling Date:	08/10/2020
Reported:	08/13/2020	Sampling Type:	Soil
Project Name:	STATE BH #1	Sampling Condition:	Cool & Intact
Project Number:	42	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY COUNTY		

Sample ID: S 2 , 0-6" (H002085-05)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/12/2020	ND	2.12	106	2.00	6.19	
Toluene*	<0.050	0.050	08/12/2020	ND	2.17	108	2.00	5.36	
Ethylbenzene*	<0.050	0.050	08/12/2020	ND	2.12	106	2.00	5.66	
Total Xylenes*	<0.150	0.150	08/12/2020	ND	6.65	111	6.00	4.94	
Total BTEX	<0.300	0.300	08/12/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/12/2020	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/12/2020	ND	190	95.0	200	8.58	
DRO >C10-C28*	<10.0	10.0	08/12/2020	ND	192	96.1	200	8.42	
EXT DRO >C28-C36	<10.0	10.0	08/12/2020	ND					

Surrogate: 1-Chlorooctane 89.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 94.2 % 42.2-156

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
 CHRIS JONES
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	08/11/2020	Sampling Date:	08/10/2020
Reported:	08/13/2020	Sampling Type:	Soil
Project Name:	STATE BH #1	Sampling Condition:	Cool & Intact
Project Number:	42	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY COUNTY		

Sample ID: S 2 , 1' (H002085-06)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/12/2020	ND	2.12	106	2.00	6.19	
Toluene*	<0.050	0.050	08/12/2020	ND	2.17	108	2.00	5.36	
Ethylbenzene*	<0.050	0.050	08/12/2020	ND	2.12	106	2.00	5.66	
Total Xylenes*	<0.150	0.150	08/12/2020	ND	6.65	111	6.00	4.94	
Total BTEX	<0.300	0.300	08/12/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/12/2020	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/12/2020	ND	190	95.0	200	8.58	
DRO >C10-C28*	<10.0	10.0	08/12/2020	ND	192	96.1	200	8.42	
EXT DRO >C28-C36	<10.0	10.0	08/12/2020	ND					

Surrogate: 1-Chlorooctane 97.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 104 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
 CHRIS JONES
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	08/11/2020	Sampling Date:	08/10/2020
Reported:	08/13/2020	Sampling Type:	Soil
Project Name:	STATE BH #1	Sampling Condition:	Cool & Intact
Project Number:	42	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY COUNTY		

Sample ID: S 2 , 2' (H002085-07)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/12/2020	ND	2.12	106	2.00	6.19	
Toluene*	<0.050	0.050	08/12/2020	ND	2.17	108	2.00	5.36	
Ethylbenzene*	<0.050	0.050	08/12/2020	ND	2.12	106	2.00	5.66	
Total Xylenes*	<0.150	0.150	08/12/2020	ND	6.65	111	6.00	4.94	
Total BTEX	<0.300	0.300	08/12/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/12/2020	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/12/2020	ND	190	95.0	200	8.58	
DRO >C10-C28*	<10.0	10.0	08/12/2020	ND	192	96.1	200	8.42	
EXT DRO >C28-C36	<10.0	10.0	08/12/2020	ND					

Surrogate: 1-Chlorooctane 95.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 101 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
 CHRIS JONES
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	08/11/2020	Sampling Date:	08/10/2020
Reported:	08/13/2020	Sampling Type:	Soil
Project Name:	STATE BH #1	Sampling Condition:	Cool & Intact
Project Number:	42	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY COUNTY		

Sample ID: S 2 , 3' (H002085-08)

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/12/2020	ND	2.12	106	2.00	6.19		
Toluene*	<0.050	0.050	08/12/2020	ND	2.17	108	2.00	5.36		
Ethylbenzene*	<0.050	0.050	08/12/2020	ND	2.12	106	2.00	5.66		
Total Xylenes*	<0.150	0.150	08/12/2020	ND	6.65	111	6.00	4.94		
Total BTEX	<0.300	0.300	08/12/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	08/12/2020	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/12/2020	ND	190	95.0	200	8.58		
DRO >C10-C28*	<10.0	10.0	08/12/2020	ND	192	96.1	200	8.42		
EXT DRO >C28-C36	<10.0	10.0	08/12/2020	ND						

Surrogate: 1-Chlorooctane 102 % 44.3-144

Surrogate: 1-Chlorooctadecane 108 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
 CHRIS JONES
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	08/11/2020	Sampling Date:	08/10/2020
Reported:	08/13/2020	Sampling Type:	Soil
Project Name:	STATE BH #1	Sampling Condition:	Cool & Intact
Project Number:	42	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY COUNTY		

Sample ID: S 3 , 0-6" (H002085-09)

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/12/2020	ND	2.12	106	2.00	6.19		
Toluene*	<0.050	0.050	08/12/2020	ND	2.17	108	2.00	5.36		
Ethylbenzene*	<0.050	0.050	08/12/2020	ND	2.12	106	2.00	5.66		
Total Xylenes*	<0.150	0.150	08/12/2020	ND	6.65	111	6.00	4.94		
Total BTEX	<0.300	0.300	08/12/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/12/2020	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/12/2020	ND	190	95.0	200	8.58		
DRO >C10-C28*	<10.0	10.0	08/12/2020	ND	192	96.1	200	8.42		
EXT DRO >C28-C36	<10.0	10.0	08/12/2020	ND						

Surrogate: 1-Chlorooctane 98.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 103 % 42.2-156

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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
 CHRIS JONES
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	08/11/2020	Sampling Date:	08/10/2020
Reported:	08/13/2020	Sampling Type:	Soil
Project Name:	STATE BH #1	Sampling Condition:	Cool & Intact
Project Number:	42	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY COUNTY		

Sample ID: S 3 , 1' (H002085-10)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/12/2020	ND	2.12	106	2.00	6.19	
Toluene*	<0.050	0.050	08/12/2020	ND	2.17	108	2.00	5.36	
Ethylbenzene*	<0.050	0.050	08/12/2020	ND	2.12	106	2.00	5.66	
Total Xylenes*	<0.150	0.150	08/12/2020	ND	6.65	111	6.00	4.94	
Total BTEX	<0.300	0.300	08/12/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/12/2020	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/12/2020	ND	190	95.0	200	8.58	
DRO >C10-C28*	<10.0	10.0	08/12/2020	ND	192	96.1	200	8.42	
EXT DRO >C28-C36	<10.0	10.0	08/12/2020	ND					

Surrogate: 1-Chlorooctane 99.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 105 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
 CHRIS JONES
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	08/11/2020	Sampling Date:	08/10/2020
Reported:	08/13/2020	Sampling Type:	Soil
Project Name:	STATE BH #1	Sampling Condition:	Cool & Intact
Project Number:	42	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY COUNTY		

Sample ID: S 3 , 2' (H002085-11)

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/12/2020	ND	2.12	106	2.00	6.19		
Toluene*	<0.050	0.050	08/12/2020	ND	2.17	108	2.00	5.36		
Ethylbenzene*	<0.050	0.050	08/12/2020	ND	2.12	106	2.00	5.66		
Total Xylenes*	<0.150	0.150	08/12/2020	ND	6.65	111	6.00	4.94		
Total BTEX	<0.300	0.300	08/12/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	08/12/2020	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/12/2020	ND	190	95.0	200	8.58		
DRO >C10-C28*	<10.0	10.0	08/12/2020	ND	192	96.1	200	8.42		
EXT DRO >C28-C36	<10.0	10.0	08/12/2020	ND						

Surrogate: 1-Chlorooctane 98.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 105 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
 CHRIS JONES
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	08/11/2020	Sampling Date:	08/10/2020
Reported:	08/13/2020	Sampling Type:	Soil
Project Name:	STATE BH #1	Sampling Condition:	Cool & Intact
Project Number:	42	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY COUNTY		

Sample ID: S 3 , 3' (H002085-12)

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/12/2020	ND	2.12	106	2.00	6.19		
Toluene*	<0.050	0.050	08/12/2020	ND	2.17	108	2.00	5.36		
Ethylbenzene*	<0.050	0.050	08/12/2020	ND	2.12	106	2.00	5.66		
Total Xylenes*	<0.150	0.150	08/12/2020	ND	6.65	111	6.00	4.94		
Total BTEX	<0.300	0.300	08/12/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	08/12/2020	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/12/2020	ND	190	95.0	200	8.58		
DRO >C10-C28*	<10.0	10.0	08/12/2020	ND	192	96.1	200	8.42		
EXT DRO >C28-C36	<10.0	10.0	08/12/2020	ND						

Surrogate: 1-Chlorooctane 99.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 106 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
 CHRIS JONES
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	08/11/2020	Sampling Date:	08/10/2020
Reported:	08/13/2020	Sampling Type:	Soil
Project Name:	STATE BH #1	Sampling Condition:	Cool & Intact
Project Number:	42	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY COUNTY		

Sample ID: S 4 , 0-6" (H002085-13)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/12/2020	ND	2.12	106	2.00	6.19	
Toluene*	<0.050	0.050	08/12/2020	ND	2.17	108	2.00	5.36	
Ethylbenzene*	<0.050	0.050	08/12/2020	ND	2.12	106	2.00	5.66	
Total Xylenes*	<0.150	0.150	08/12/2020	ND	6.65	111	6.00	4.94	
Total BTEX	<0.300	0.300	08/12/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/12/2020	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/12/2020	ND	190	95.0	200	8.58	
DRO >C10-C28*	<10.0	10.0	08/12/2020	ND	192	96.1	200	8.42	
EXT DRO >C28-C36	<10.0	10.0	08/12/2020	ND					

Surrogate: 1-Chlorooctane 95.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 101 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
 CHRIS JONES
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	08/11/2020	Sampling Date:	08/10/2020
Reported:	08/13/2020	Sampling Type:	Soil
Project Name:	STATE BH #1	Sampling Condition:	Cool & Intact
Project Number:	42	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY COUNTY		

Sample ID: S 4 , 1' (H002085-14)

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/12/2020	ND	2.12	106	2.00	6.19		
Toluene*	<0.050	0.050	08/12/2020	ND	2.17	108	2.00	5.36		
Ethylbenzene*	<0.050	0.050	08/12/2020	ND	2.12	106	2.00	5.66		
Total Xylenes*	<0.150	0.150	08/12/2020	ND	6.65	111	6.00	4.94		
Total BTEX	<0.300	0.300	08/12/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	08/12/2020	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/12/2020	ND	184	91.9	200	6.46		
DRO >C10-C28*	<10.0	10.0	08/12/2020	ND	178	89.0	200	7.71		
EXT DRO >C28-C36	<10.0	10.0	08/12/2020	ND						

Surrogate: 1-Chlorooctane 86.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 89.4 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
 CHRIS JONES
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	08/11/2020	Sampling Date:	08/10/2020
Reported:	08/13/2020	Sampling Type:	Soil
Project Name:	STATE BH #1	Sampling Condition:	Cool & Intact
Project Number:	42	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY COUNTY		

Sample ID: S 4 , 2' (H002085-15)

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/12/2020	ND	2.12	106	2.00	6.19		
Toluene*	<0.050	0.050	08/12/2020	ND	2.17	108	2.00	5.36		
Ethylbenzene*	<0.050	0.050	08/12/2020	ND	2.12	106	2.00	5.66		
Total Xylenes*	<0.150	0.150	08/12/2020	ND	6.65	111	6.00	4.94		
Total BTEX	<0.300	0.300	08/12/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	08/12/2020	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/12/2020	ND	184	91.9	200	6.46		
DRO >C10-C28*	<10.0	10.0	08/12/2020	ND	178	89.0	200	7.71		
EXT DRO >C28-C36	<10.0	10.0	08/12/2020	ND						

Surrogate: 1-Chlorooctane 85.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 88.1 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
CHRIS JONES
1601 N TURNER STE. 500
HOBBS NM, 88240
Fax To:

Received:	08/11/2020	Sampling Date:	08/10/2020
Reported:	08/13/2020	Sampling Type:	Soil
Project Name:	STATE BH #1	Sampling Condition:	Cool & Intact
Project Number:	42	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY COUNTY		

Sample ID: S 4 , 3' (H002085-16)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/12/2020	ND	2.12	106	2.00	6.19	
Toluene*	<0.050	0.050	08/12/2020	ND	2.17	108	2.00	5.36	
Ethylbenzene*	<0.050	0.050	08/12/2020	ND	2.12	106	2.00	5.66	
Total Xylenes*	<0.150	0.150	08/12/2020	ND	6.65	111	6.00	4.94	
Total BTEX	<0.300	0.300	08/12/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	08/12/2020	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/12/2020	ND	184	91.9	200	6.46	
DRO >C10-C28*	<10.0	10.0	08/12/2020	ND	178	89.0	200	7.71	
EXT DRO >C28-C36	<10.0	10.0	08/12/2020	ND					

Surrogate: 1-Chlorooctane 88.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 92.6 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
 CHRIS JONES
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	08/11/2020	Sampling Date:	08/10/2020
Reported:	08/13/2020	Sampling Type:	Soil
Project Name:	STATE BH #1	Sampling Condition:	Cool & Intact
Project Number:	42	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY COUNTY		

Sample ID: S 5 , 0-6" (H002085-17)

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/12/2020	ND	2.12	106	2.00	6.19		
Toluene*	<0.050	0.050	08/12/2020	ND	2.17	108	2.00	5.36		
Ethylbenzene*	<0.050	0.050	08/12/2020	ND	2.12	106	2.00	5.66		
Total Xylenes*	<0.150	0.150	08/12/2020	ND	6.65	111	6.00	4.94		
Total BTEX	<0.300	0.300	08/12/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	720	16.0	08/12/2020	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/12/2020	ND	184	91.9	200	6.46		
DRO >C10-C28*	<10.0	10.0	08/12/2020	ND	178	89.0	200	7.71		
EXT DRO >C28-C36	<10.0	10.0	08/12/2020	ND						

Surrogate: 1-Chlorooctane 81.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 84.8 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
 CHRIS JONES
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	08/11/2020	Sampling Date:	08/10/2020
Reported:	08/13/2020	Sampling Type:	Soil
Project Name:	STATE BH #1	Sampling Condition:	Cool & Intact
Project Number:	42	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY COUNTY		

Sample ID: S 5 , 1' (H002085-18)

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/12/2020	ND	2.12	106	2.00	6.19		
Toluene*	<0.050	0.050	08/12/2020	ND	2.17	108	2.00	5.36		
Ethylbenzene*	<0.050	0.050	08/12/2020	ND	2.12	106	2.00	5.66		
Total Xylenes*	<0.150	0.150	08/12/2020	ND	6.65	111	6.00	4.94		
Total BTEX	<0.300	0.300	08/12/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	752	16.0	08/12/2020	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/12/2020	ND	184	91.9	200	6.46		
DRO >C10-C28*	<10.0	10.0	08/12/2020	ND	178	89.0	200	7.71		
EXT DRO >C28-C36	<10.0	10.0	08/12/2020	ND						

Surrogate: 1-Chlorooctane 80.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 83.2 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
 CHRIS JONES
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	08/11/2020	Sampling Date:	08/10/2020
Reported:	08/13/2020	Sampling Type:	Soil
Project Name:	STATE BH #1	Sampling Condition:	Cool & Intact
Project Number:	42	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY COUNTY		

Sample ID: S 5 , 2' (H002085-19)

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/12/2020	ND	2.12	106	2.00	6.19		
Toluene*	<0.050	0.050	08/12/2020	ND	2.17	108	2.00	5.36		
Ethylbenzene*	<0.050	0.050	08/12/2020	ND	2.12	106	2.00	5.66		
Total Xylenes*	<0.150	0.150	08/12/2020	ND	6.65	111	6.00	4.94		
Total BTEX	<0.300	0.300	08/12/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	736	16.0	08/12/2020	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/12/2020	ND	184	91.9	200	6.46		
DRO >C10-C28*	<10.0	10.0	08/12/2020	ND	178	89.0	200	7.71		
EXT DRO >C28-C36	<10.0	10.0	08/12/2020	ND						

Surrogate: 1-Chlorooctane 72.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 75.1 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
 CHRIS JONES
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	08/11/2020	Sampling Date:	08/10/2020
Reported:	08/13/2020	Sampling Type:	Soil
Project Name:	STATE BH #1	Sampling Condition:	Cool & Intact
Project Number:	42	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY COUNTY		

Sample ID: S 5 , 3' (H002085-20)

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/12/2020	ND	2.12	106	2.00	6.19		
Toluene*	<0.050	0.050	08/12/2020	ND	2.17	108	2.00	5.36		
Ethylbenzene*	<0.050	0.050	08/12/2020	ND	2.12	106	2.00	5.66		
Total Xylenes*	<0.150	0.150	08/12/2020	ND	6.65	111	6.00	4.94		
Total BTEX	<0.300	0.300	08/12/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	16.0	08/12/2020	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/12/2020	ND	184	91.9	200	6.46		
DRO >C10-C28*	<10.0	10.0	08/12/2020	ND	178	89.0	200	7.71		
EXT DRO >C28-C36	<10.0	10.0	08/12/2020	ND						

Surrogate: 1-Chlorooctane 82.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 84.1 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
 CHRIS JONES
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	08/11/2020	Sampling Date:	08/10/2020
Reported:	08/13/2020	Sampling Type:	Soil
Project Name:	STATE BH #1	Sampling Condition:	Cool & Intact
Project Number:	42	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY COUNTY		

Sample ID: S 6 , 0-6" (H002085-21)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/12/2020	ND	1.92	95.9	2.00	3.29	
Toluene*	<0.050	0.050	08/12/2020	ND	1.94	97.1	2.00	4.01	
Ethylbenzene*	<0.050	0.050	08/12/2020	ND	1.92	96.0	2.00	4.02	
Total Xylenes*	<0.150	0.150	08/12/2020	ND	5.93	98.9	6.00	4.16	
Total BTEX	<0.300	0.300	08/12/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	08/12/2020	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/12/2020	ND	184	91.9	200	6.46	
DRO >C10-C28*	<10.0	10.0	08/12/2020	ND	178	89.0	200	7.71	
EXT DRO >C28-C36	<10.0	10.0	08/12/2020	ND					

Surrogate: 1-Chlorooctane 80.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 82.8 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
 CHRIS JONES
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	08/11/2020	Sampling Date:	08/10/2020
Reported:	08/13/2020	Sampling Type:	Soil
Project Name:	STATE BH #1	Sampling Condition:	Cool & Intact
Project Number:	42	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY COUNTY		

Sample ID: S 7 , 0-6" (H002085-22)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/12/2020	ND	1.92	95.9	2.00	3.29	
Toluene*	<0.050	0.050	08/12/2020	ND	1.94	97.1	2.00	4.01	
Ethylbenzene*	<0.050	0.050	08/12/2020	ND	1.92	96.0	2.00	4.02	
Total Xylenes*	<0.150	0.150	08/12/2020	ND	5.93	98.9	6.00	4.16	
Total BTEX	<0.300	0.300	08/12/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/12/2020	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/12/2020	ND	184	91.9	200	6.46	
DRO >C10-C28*	<10.0	10.0	08/12/2020	ND	178	89.0	200	7.71	
EXT DRO >C28-C36	<10.0	10.0	08/12/2020	ND					

Surrogate: 1-Chlorooctane 91.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 94.0 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
 CHRIS JONES
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	08/11/2020	Sampling Date:	08/10/2020
Reported:	08/13/2020	Sampling Type:	Soil
Project Name:	STATE BH #1	Sampling Condition:	Cool & Intact
Project Number:	42	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY COUNTY		

Sample ID: S 8 , 0-6" (H002085-23)

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/12/2020	ND	1.92	95.9	2.00	3.29		
Toluene*	<0.050	0.050	08/12/2020	ND	1.94	97.1	2.00	4.01		
Ethylbenzene*	<0.050	0.050	08/12/2020	ND	1.92	96.0	2.00	4.02		
Total Xylenes*	<0.150	0.150	08/12/2020	ND	5.93	98.9	6.00	4.16		
Total BTEX	<0.300	0.300	08/12/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/12/2020	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/12/2020	ND	184	91.9	200	6.46		
DRO >C10-C28*	<10.0	10.0	08/12/2020	ND	178	89.0	200	7.71		
EXT DRO >C28-C36	<10.0	10.0	08/12/2020	ND						

Surrogate: 1-Chlorooctane 73.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 75.9 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
 CHRIS JONES
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	08/11/2020	Sampling Date:	08/10/2020
Reported:	08/13/2020	Sampling Type:	Soil
Project Name:	STATE BH #1	Sampling Condition:	Cool & Intact
Project Number:	42	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY COUNTY		

Sample ID: S 9 , 0-6" (H002085-24)

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/13/2020	ND	1.92	95.9	2.00	3.29		
Toluene*	<0.050	0.050	08/13/2020	ND	1.94	97.1	2.00	4.01		
Ethylbenzene*	<0.050	0.050	08/13/2020	ND	1.92	96.0	2.00	4.02		
Total Xylenes*	<0.150	0.150	08/13/2020	ND	5.93	98.9	6.00	4.16		
Total BTEX	<0.300	0.300	08/13/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/12/2020	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/12/2020	ND	184	91.9	200	6.46		
DRO >C10-C28*	<10.0	10.0	08/12/2020	ND	178	89.0	200	7.71		
EXT DRO >C28-C36	<10.0	10.0	08/12/2020	ND						

Surrogate: 1-Chlorooctane 79.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 82.3 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
 CHRIS JONES
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	08/11/2020	Sampling Date:	08/10/2020
Reported:	08/13/2020	Sampling Type:	Soil
Project Name:	STATE BH #1	Sampling Condition:	Cool & Intact
Project Number:	42	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY COUNTY		

Sample ID: S 10 , 2' (H002085-25)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2020	ND	1.92	95.9	2.00	3.29	
Toluene*	<0.050	0.050	08/13/2020	ND	1.94	97.1	2.00	4.01	
Ethylbenzene*	<0.050	0.050	08/13/2020	ND	1.92	96.0	2.00	4.02	
Total Xylenes*	<0.150	0.150	08/13/2020	ND	5.93	98.9	6.00	4.16	
Total BTEX	<0.300	0.300	08/13/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	08/12/2020	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/12/2020	ND	184	91.9	200	6.46	
DRO >C10-C28*	25.0	10.0	08/12/2020	ND	178	89.0	200	7.71	
EXT DRO >C28-C36	<10.0	10.0	08/12/2020	ND					

Surrogate: 1-Chlorooctane 78.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 81.0 % 42.2-156

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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
 CHRIS JONES
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	08/11/2020	Sampling Date:	08/10/2020
Reported:	08/13/2020	Sampling Type:	Soil
Project Name:	STATE BH #1	Sampling Condition:	Cool & Intact
Project Number:	42	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY COUNTY		

Sample ID: S 9 , 1' (H002085-26)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2020	ND	1.92	95.9	2.00	3.29	
Toluene*	<0.050	0.050	08/13/2020	ND	1.94	97.1	2.00	4.01	
Ethylbenzene*	<0.050	0.050	08/13/2020	ND	1.92	96.0	2.00	4.02	
Total Xylenes*	<0.150	0.150	08/13/2020	ND	5.93	98.9	6.00	4.16	
Total BTEX	<0.300	0.300	08/13/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	08/12/2020	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/12/2020	ND	184	91.9	200	6.46	
DRO >C10-C28*	<10.0	10.0	08/12/2020	ND	178	89.0	200	7.71	
EXT DRO >C28-C36	<10.0	10.0	08/12/2020	ND					

Surrogate: 1-Chlorooctane 77.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 75.3 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
 CHRIS JONES
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	08/11/2020	Sampling Date:	08/10/2020
Reported:	08/13/2020	Sampling Type:	Soil
Project Name:	STATE BH #1	Sampling Condition:	Cool & Intact
Project Number:	42	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY COUNTY		

Sample ID: S 9 , 2' (H002085-27)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2020	ND	1.92	95.9	2.00	3.29	
Toluene*	<0.050	0.050	08/13/2020	ND	1.94	97.1	2.00	4.01	
Ethylbenzene*	<0.050	0.050	08/13/2020	ND	1.92	96.0	2.00	4.02	
Total Xylenes*	<0.150	0.150	08/13/2020	ND	5.93	98.9	6.00	4.16	
Total BTEX	<0.300	0.300	08/13/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	08/12/2020	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/12/2020	ND	184	91.9	200	6.46	
DRO >C10-C28*	<10.0	10.0	08/12/2020	ND	178	89.0	200	7.71	
EXT DRO >C28-C36	<10.0	10.0	08/12/2020	ND					

Surrogate: 1-Chlorooctane 88.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 85.9 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
 CHRIS JONES
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	08/11/2020	Sampling Date:	08/10/2020
Reported:	08/13/2020	Sampling Type:	Soil
Project Name:	STATE BH #1	Sampling Condition:	Cool & Intact
Project Number:	42	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY COUNTY		

Sample ID: S 9 , 3' (H002085-28)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2020	ND	1.92	95.9	2.00	3.29	
Toluene*	<0.050	0.050	08/13/2020	ND	1.94	97.1	2.00	4.01	
Ethylbenzene*	<0.050	0.050	08/13/2020	ND	1.92	96.0	2.00	4.02	
Total Xylenes*	<0.150	0.150	08/13/2020	ND	5.93	98.9	6.00	4.16	
Total BTEX	<0.300	0.300	08/13/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	08/12/2020	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/12/2020	ND	184	91.9	200	6.46	
DRO >C10-C28*	<10.0	10.0	08/12/2020	ND	178	89.0	200	7.71	
EXT DRO >C28-C36	<10.0	10.0	08/12/2020	ND					

Surrogate: 1-Chlorooctane 95.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 94.9 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
 CHRIS JONES
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	08/11/2020	Sampling Date:	08/10/2020
Reported:	08/13/2020	Sampling Type:	Soil
Project Name:	STATE BH #1	Sampling Condition:	Cool & Intact
Project Number:	42	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY COUNTY		

Sample ID: S 10 , 0-6" (H002085-29)

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/13/2020	ND	1.92	95.9	2.00	3.29		
Toluene*	<0.050	0.050	08/13/2020	ND	1.94	97.1	2.00	4.01		
Ethylbenzene*	<0.050	0.050	08/13/2020	ND	1.92	96.0	2.00	4.02		
Total Xylenes*	<0.150	0.150	08/13/2020	ND	5.93	98.9	6.00	4.16		
Total BTEX	<0.300	0.300	08/13/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1700	16.0	08/12/2020	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/12/2020	ND	184	91.9	200	6.46		
DRO >C10-C28*	<10.0	10.0	08/12/2020	ND	178	89.0	200	7.71		
EXT DRO >C28-C36	<10.0	10.0	08/12/2020	ND						

Surrogate: 1-Chlorooctane 68.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 69.1 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
 CHRIS JONES
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	08/11/2020	Sampling Date:	08/10/2020
Reported:	08/13/2020	Sampling Type:	Soil
Project Name:	STATE BH #1	Sampling Condition:	Cool & Intact
Project Number:	42	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY COUNTY		

Sample ID: S 10 , 1' (H002085-30)

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/13/2020	ND	1.92	95.9	2.00	3.29		
Toluene*	<0.050	0.050	08/13/2020	ND	1.94	97.1	2.00	4.01		
Ethylbenzene*	<0.050	0.050	08/13/2020	ND	1.92	96.0	2.00	4.02		
Total Xylenes*	<0.150	0.150	08/13/2020	ND	5.93	98.9	6.00	4.16		
Total BTEX	<0.300	0.300	08/13/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1120	16.0	08/12/2020	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/12/2020	ND	184	91.9	200	6.46		
DRO >C10-C28*	142	10.0	08/12/2020	ND	178	89.0	200	7.71		
EXT DRO >C28-C36	74.3	10.0	08/12/2020	ND						

Surrogate: 1-Chlorooctane 88.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 94.4 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
 CHRIS JONES
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	08/11/2020	Sampling Date:	08/10/2020
Reported:	08/13/2020	Sampling Type:	Soil
Project Name:	STATE BH #1	Sampling Condition:	Cool & Intact
Project Number:	42	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY COUNTY		

Sample ID: S 10 , 3' (H002085-31)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2020	ND	1.92	95.9	2.00	3.29	
Toluene*	<0.050	0.050	08/13/2020	ND	1.94	97.1	2.00	4.01	
Ethylbenzene*	<0.050	0.050	08/13/2020	ND	1.92	96.0	2.00	4.02	
Total Xylenes*	<0.150	0.150	08/13/2020	ND	5.93	98.9	6.00	4.16	
Total BTEX	<0.300	0.300	08/13/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	08/12/2020	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/12/2020	ND	184	91.9	200	6.46	
DRO >C10-C28*	25.2	10.0	08/12/2020	ND	178	89.0	200	7.71	
EXT DRO >C28-C36	<10.0	10.0	08/12/2020	ND					

Surrogate: 1-Chlorooctane 81.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 79.1 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
 CHRIS JONES
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	08/11/2020	Sampling Date:	08/10/2020
Reported:	08/13/2020	Sampling Type:	Soil
Project Name:	STATE BH #1	Sampling Condition:	Cool & Intact
Project Number:	42	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY COUNTY		

Sample ID: S 11 , 0-6" (H002085-32)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2020	ND	1.92	95.9	2.00	3.29	
Toluene*	<0.050	0.050	08/13/2020	ND	1.94	97.1	2.00	4.01	
Ethylbenzene*	<0.050	0.050	08/13/2020	ND	1.92	96.0	2.00	4.02	
Total Xylenes*	<0.150	0.150	08/13/2020	ND	5.93	98.9	6.00	4.16	
Total BTEX	<0.300	0.300	08/13/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2400	16.0	08/12/2020	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/12/2020	ND	184	91.9	200	6.46	
DRO >C10-C28*	<10.0	10.0	08/12/2020	ND	178	89.0	200	7.71	
EXT DRO >C28-C36	<10.0	10.0	08/12/2020	ND					

Surrogate: 1-Chlorooctane 80.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 77.2 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
 CHRIS JONES
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	08/11/2020	Sampling Date:	08/10/2020
Reported:	08/13/2020	Sampling Type:	Soil
Project Name:	STATE BH #1	Sampling Condition:	Cool & Intact
Project Number:	42	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY COUNTY		

Sample ID: S 11 , 1' (H002085-33)

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/13/2020	ND	1.92	95.9	2.00	3.29		
Toluene*	<0.050	0.050	08/13/2020	ND	1.94	97.1	2.00	4.01		
Ethylbenzene*	<0.050	0.050	08/13/2020	ND	1.92	96.0	2.00	4.02		
Total Xylenes*	<0.150	0.150	08/13/2020	ND	5.93	98.9	6.00	4.16		
Total BTEX	<0.300	0.300	08/13/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	896	16.0	08/12/2020	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/12/2020	ND	184	91.9	200	6.46		
DRO >C10-C28*	<10.0	10.0	08/12/2020	ND	178	89.0	200	7.71		
EXT DRO >C28-C36	<10.0	10.0	08/12/2020	ND						

Surrogate: 1-Chlorooctane 80.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 78.8 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
 CHRIS JONES
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	08/11/2020	Sampling Date:	08/10/2020
Reported:	08/13/2020	Sampling Type:	Soil
Project Name:	STATE BH #1	Sampling Condition:	Cool & Intact
Project Number:	42	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY COUNTY		

Sample ID: S 11 , 2' (H002085-34)

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/13/2020	ND	1.92	95.9	2.00	3.29		
Toluene*	<0.050	0.050	08/13/2020	ND	1.94	97.1	2.00	4.01		
Ethylbenzene*	<0.050	0.050	08/13/2020	ND	1.92	96.0	2.00	4.02		
Total Xylenes*	<0.150	0.150	08/13/2020	ND	5.93	98.9	6.00	4.16		
Total BTEX	<0.300	0.300	08/13/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	08/12/2020	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/12/2020	ND	178	89.0	200	12.5		
DRO >C10-C28*	<10.0	10.0	08/12/2020	ND	179	89.5	200	7.86	QR-03	
EXT DRO >C28-C36	<10.0	10.0	08/12/2020	ND						

Surrogate: 1-Chlorooctane 87.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 90.1 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
 CHRIS JONES
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	08/11/2020	Sampling Date:	08/10/2020
Reported:	08/13/2020	Sampling Type:	Soil
Project Name:	STATE BH #1	Sampling Condition:	Cool & Intact
Project Number:	42	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY COUNTY		

Sample ID: S 12 , 0-6" (H002085-35)

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/13/2020	ND	1.92	95.9	2.00	3.29		
Toluene*	<0.050	0.050	08/13/2020	ND	1.94	97.1	2.00	4.01		
Ethylbenzene*	<0.050	0.050	08/13/2020	ND	1.92	96.0	2.00	4.02		
Total Xylenes*	<0.150	0.150	08/13/2020	ND	5.93	98.9	6.00	4.16		
Total BTEX	<0.300	0.300	08/13/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	08/12/2020	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/12/2020	ND	178	89.0	200	12.5		
DRO >C10-C28*	28.1	10.0	08/12/2020	ND	179	89.5	200	7.86		
EXT DRO >C28-C36	11.9	10.0	08/12/2020	ND						

Surrogate: 1-Chlorooctane 74.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 78.7 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
 CHRIS JONES
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	08/11/2020	Sampling Date:	08/10/2020
Reported:	08/13/2020	Sampling Type:	Soil
Project Name:	STATE BH #1	Sampling Condition:	Cool & Intact
Project Number:	42	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY COUNTY		

Sample ID: S 12 , 1' (H002085-36)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2020	ND	1.92	95.9	2.00	3.29	
Toluene*	<0.050	0.050	08/13/2020	ND	1.94	97.1	2.00	4.01	
Ethylbenzene*	<0.050	0.050	08/13/2020	ND	1.92	96.0	2.00	4.02	
Total Xylenes*	<0.150	0.150	08/13/2020	ND	5.93	98.9	6.00	4.16	
Total BTEX	<0.300	0.300	08/13/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.3 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	08/12/2020	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/12/2020	ND	178	89.0	200	12.5	
DRO >C10-C28*	<10.0	10.0	08/12/2020	ND	179	89.5	200	7.86	
EXT DRO >C28-C36	<10.0	10.0	08/12/2020	ND					

Surrogate: 1-Chlorooctane 90.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 93.0 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
 CHRIS JONES
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	08/11/2020	Sampling Date:	08/10/2020
Reported:	08/13/2020	Sampling Type:	Soil
Project Name:	STATE BH #1	Sampling Condition:	Cool & Intact
Project Number:	42	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY COUNTY		

Sample ID: S 12 , 2' (H002085-37)

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/13/2020	ND	1.92	95.9	2.00	3.29		
Toluene*	<0.050	0.050	08/13/2020	ND	1.94	97.1	2.00	4.01		
Ethylbenzene*	<0.050	0.050	08/13/2020	ND	1.92	96.0	2.00	4.02		
Total Xylenes*	<0.150	0.150	08/13/2020	ND	5.93	98.9	6.00	4.16		
Total BTEX	<0.300	0.300	08/13/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	880	16.0	08/12/2020	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/12/2020	ND	178	89.0	200	12.5		
DRO >C10-C28*	<10.0	10.0	08/12/2020	ND	179	89.5	200	7.86		
EXT DRO >C28-C36	<10.0	10.0	08/12/2020	ND						

Surrogate: 1-Chlorooctane 85.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 88.1 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
 CHRIS JONES
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	08/11/2020	Sampling Date:	08/10/2020
Reported:	08/13/2020	Sampling Type:	Soil
Project Name:	STATE BH #1	Sampling Condition:	Cool & Intact
Project Number:	42	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY COUNTY		

Sample ID: S 12 , 3' (H002085-38)

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/13/2020	ND	1.92	95.9	2.00	3.29		
Toluene*	<0.050	0.050	08/13/2020	ND	1.94	97.1	2.00	4.01		
Ethylbenzene*	<0.050	0.050	08/13/2020	ND	1.92	96.0	2.00	4.02		
Total Xylenes*	<0.150	0.150	08/13/2020	ND	5.93	98.9	6.00	4.16		
Total BTEX	<0.300	0.300	08/13/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	08/12/2020	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/12/2020	ND	178	89.0	200	12.5		
DRO >C10-C28*	<10.0	10.0	08/12/2020	ND	179	89.5	200	7.86		
EXT DRO >C28-C36	<10.0	10.0	08/12/2020	ND						

Surrogate: 1-Chlorooctane 92.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 98.2 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

- QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: Pima Environmental
Project Manager: Chris Jones
Address: 1401 N-Turner Ste 500
City: Hobbs State: NM Zip: 88240
Phone #: 964-7740 Fax #:
Project #: 42 Project Owner: Devon
Project Name: State BIA #1
Project Location: Eddy, NM
Sampler Name: Robert Carper

BILL TO

ANALYSIS REQUEST

P.O. #: 1007269101
Company: Devon
Attn: Tom Bynum
Address:
City:
State: Zip:
Phone #:
Fax #:

Table with columns: Lab I.D., Sample I.D., (G)RAB OR (C)OMP., # CONTAINERS, MATRIX (GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER), PRESERV. (ACID/BASE, ICE/COOL, OTHER), SAMPLING (DATE, TIME), and analysis parameters (TPH EXT, BTEX, Chloride).

PLEASE NOTE: Liability and Damages, Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses.

Relinquished By: Date: 8-11-20 Time: 1540 Received By: [Signature] Verbal Result: [] Yes [] No Add'l Phone #: All Results are emailed. Please provide Email address: REMARKS: Bill to Devon Delivered By: (Circle One) Observed Temp. °C 5.9 Sample Condition Cool Intact CHECKED BY: TO Turnaround Time: Standard [] Rush [x] Bacteria (only) Sample Condition Cool Intact Observed Temp. °C

FORM-006 R 3.1 06/04/20

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: <i>Pima Environmental</i>		BILL TO		ANALYSIS REQUEST							
Project Manager: <i>Chris Jones</i>		P.O. #: <i>1007269101</i>									
Address: <i>1401 N. Turner Ste 500</i>		Company: <i>Devon</i>									
City: <i>Hobbs</i> State: <i>NM</i> Zip: <i>88240</i>		Attn: <i>Tom Bynum</i>									
Phone #: <i>964-7740</i> Fax #:		Address:									
Project #: <i>42</i> Project Owner: <i>Devon</i>		City:									
Project Name: <i>State BH #1</i>		State: Zip:									
Project Location: <i>Eddy, NM</i>		Phone #:									
Sampler Name: <i>Robert Carper</i>		Fax #:									

FOR LAB USE ONLY		(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.			SAMPLING		TPH EXT	BTEX	Chloride
Lab I.D.	Sample I.D.			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE/COOL	OTHER:	DATE			
<i>H002085</i>																
<i>11</i>	<i>S3, 0'</i>					X								X	X	X
<i>12</i>	<i>S3, 3'</i>															
<i>13</i>	<i>S4, 0"-6"</i>															
<i>14</i>	<i>S4, 1'</i>															
<i>15</i>	<i>S4, 2'</i>															
<i>16</i>	<i>S4, 3'</i>															
<i>17</i>	<i>S5, 0"-6"</i>															
<i>18</i>	<i>S5, 1'</i>															
<i>19</i>	<i>S5, 2'</i>															
<i>20</i>	<i>S5, 3'</i>															

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Relinquished By:	Date: <i>8-11-20</i>	Received By:	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
	Time: <i>1:540</i>	<i>[Signature]</i>	All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS:
	Time:		<i>Bill to Devon</i>
Delivered By: (Circle One)	Observed Temp. °C <i>5.9</i>	Sample Condition Cool Intact	Turnaround Time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush
Sampler - UPS - Bus - Other:	Corrected Temp. °C	<input type="checkbox"/> Yes <input type="checkbox"/> No	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C
		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
		CHECKED BY: <i>TO</i> (Initials)	Thermometer ID #113 Correction Factor None
			Corrected Temp. °C

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: <i>Pima Environmental</i>	BILL TO	ANALYSIS REQUEST									
Project Manager: <i>Chris Jones</i>	P.O. #: <i>100 72 69101</i>										
Address: <i>1401 N. Turner Ste 500</i>	Company: <i>Devon</i>										
City: <i>Hobbs</i> State: <i>NM</i> Zip: <i>88240</i>	Attn: <i>Tom Bynum</i>										
Phone #: <i>964-7740</i> Fax #:	Address:										
Project #: <i>42</i> Project Owner: <i>Devon</i>	City:										
Project Name: <i>State BH #</i>	State: Zip:										
Project Location: <i>Eddy NM</i>	Phone #:										
Sampler Name: <i>Robert Capen</i>	Fax #:										

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.		SAMPLING		TPH EXT	BT/EX	Chloride
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:			
<i>H002085</i>															
<i>21</i>	<i>S 6, 0''-6''</i>	<i>1</i>				<i>X</i>				<i>X</i>					
<i>22</i>	<i>S 7, 0''-6''</i>														
<i>23</i>	<i>S 8, 0''-6''</i>														
<i>24</i>	<i>S 9, 1 0''-6''</i>														
<i>25</i>	<i>S 10, 0''-6'' 2' 7/8 8/11/20</i>														
<i>26</i>	<i>S 9, 1'</i>														
<i>27</i>	<i>S 9, 2'</i>														
<i>28</i>	<i>S 9, 3'</i>														
<i>29</i>	<i>S 10, 0''-6''</i>														
<i>30</i>	<i>S 10, 1'</i>														

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Relinquished By:	Date: <i>8-11-20</i>	Received By: <i>Jamara [Signature]</i>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
	Time: <i>1540</i>		All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS: <i>Bill to Devon</i>
	Time:		
Delivered By: (Circle One)	Observed Temp. °C <i>5.9</i>	Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	Turnaround Time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush
Sampler - UPS - Bus - Other:	Corrected Temp. °C	CHECKED BY: (Initials) <i>TO</i>	<input checked="" type="checkbox"/> Bacteria (only) Sample Condition Cool Intact Observed Temp. °C
			<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No
			Thermometer ID #113 Correction Factor None <input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: Pima Environmental
Project Manager: Chris Jones
Address: 1401 N. Turner Ste 500
City: Hobbs State: NM Zip: 88240
Phone #: 964-7740 Fax #:
Project #: 42 Project Owner: Devan
Project Name: State BH #1
Project Location: Eddy, NM
Sampler Name: Robert Carpen

BILL TO

ANALYSIS REQUEST

Table with columns: Lab I.D., Sample I.D., (G)RAB OR (C)OMP., # CONTAINERS, MATRIX (GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER), PRESERV. (ACID/BASE, ICE/COOL, OTHER), SAMPLING (DATE, TIME), and analysis results for TPH, BTEX, Chloride.

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses.

Relinquished By: Date: 8-11-20 Received By: [Signature] Verbal Result: [] Yes [] No Add'l Phone #:
Relinquished By: Date: 1540 Received By: [Signature] REMARKS: Bill to Devan
Delivered By: (Circle One) Observed Temp. °C 5.9 Sample Condition Cool Intact CHECKED BY: TO. Turnaround Time: Standard Rush Bacteria (only) Sample Condition

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

April 26, 2021

CHRIS JONES

PIMA ENVIROMENTAL

1601 N TURNER STE. 500

HOBBS, NM 88240

RE: STATE BH #1

Enclosed are the results of analyses for samples received by the laboratory on 04/22/21 14:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
 CHRIS JONES
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	04/22/2021	Sampling Date:	04/22/2021
Reported:	04/26/2021	Sampling Type:	Soil
Project Name:	STATE BH #1	Sampling Condition:	** (See Notes)
Project Number:	42	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY COUNTY		

Sample ID: S 10 - 0-6" (H211032-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/23/2021	ND	2.11	106	2.00	6.84	
Toluene*	<0.050	0.050	04/23/2021	ND	2.02	101	2.00	6.99	
Ethylbenzene*	<0.050	0.050	04/23/2021	ND	2.04	102	2.00	7.59	
Total Xylenes*	<0.150	0.150	04/23/2021	ND	5.94	99.1	6.00	6.96	
Total BTEX	<0.300	0.300	04/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.3 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/26/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2021	ND	231	116	200	8.01	
DRO >C10-C28*	<10.0	10.0	04/23/2021	ND	210	105	200	2.70	
EXT DRO >C28-C36	<10.0	10.0	04/23/2021	ND					

Surrogate: 1-Chlorooctane 79.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 80.1 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

PIMA ENVIROMENTAL
 CHRIS JONES
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	04/22/2021	Sampling Date:	04/22/2021
Reported:	04/26/2021	Sampling Type:	Soil
Project Name:	STATE BH #1	Sampling Condition:	** (See Notes)
Project Number:	42	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY COUNTY		

Sample ID: S 10 - 1' (H211032-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/23/2021	ND	2.11	106	2.00	6.84	
Toluene*	<0.050	0.050	04/23/2021	ND	2.02	101	2.00	6.99	
Ethylbenzene*	<0.050	0.050	04/23/2021	ND	2.04	102	2.00	7.59	
Total Xylenes*	<0.150	0.150	04/23/2021	ND	5.94	99.1	6.00	6.96	
Total BTEX	<0.300	0.300	04/23/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/26/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2021	ND	231	116	200	8.01	
DRO >C10-C28*	<10.0	10.0	04/23/2021	ND	210	105	200	2.70	
EXT DRO >C28-C36	<10.0	10.0	04/23/2021	ND					

Surrogate: 1-Chlorooctane 73.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 75.5 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PIMA ENVIROMENTAL
 CHRIS JONES
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	04/22/2021	Sampling Date:	04/22/2021
Reported:	04/26/2021	Sampling Type:	Soil
Project Name:	STATE BH #1	Sampling Condition:	** (See Notes)
Project Number:	42	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY COUNTY		

Sample ID: S 10 - 3' (H211032-03)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/23/2021	ND	2.11	106	2.00	6.84		
Toluene*	<0.050	0.050	04/23/2021	ND	2.02	101	2.00	6.99		
Ethylbenzene*	<0.050	0.050	04/23/2021	ND	2.04	102	2.00	7.59		
Total Xylenes*	<0.150	0.150	04/23/2021	ND	5.94	99.1	6.00	6.96		
Total BTEX	<0.300	0.300	04/23/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/26/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	04/23/2021	ND	231	116	200	8.01		
DRO >C10-C28*	<10.0	10.0	04/23/2021	ND	210	105	200	2.70		
EXT DRO >C28-C36	<10.0	10.0	04/23/2021	ND						

Surrogate: 1-Chlorooctane 86.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 88.2 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PIMA ENVIROMENTAL
 CHRIS JONES
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received:	04/22/2021	Sampling Date:	04/22/2021
Reported:	04/26/2021	Sampling Type:	Soil
Project Name:	STATE BH #1	Sampling Condition:	** (See Notes)
Project Number:	42	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY COUNTY		

Sample ID: S 5 - 0-6" (H211032-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/26/2021	ND	416	104	400	0.00	

Sample ID: S 5 - 1' (H211032-05)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/26/2021	ND	416	104	400	0.00	

Sample ID: S 5 - 3' (H211032-06)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/26/2021	ND	416	104	400	0.00	

Sample ID: S 11 - 0-6" (H211032-07)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/26/2021	ND	416	104	400	0.00	

Sample ID: S 11 - 1' (H211032-08)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/26/2021	ND	416	104	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PIMA ENVIROMENTAL
 CHRIS JONES
 1601 N TURNER STE. 500
 HOBBS NM, 88240
 Fax To:

Received: 04/22/2021
 Reported: 04/26/2021
 Project Name: STATE BH #1
 Project Number: 42
 Project Location: DEVON - EDDY COUNTY

Sampling Date: 04/22/2021
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: S 12 - 2' (H211032-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/26/2021	ND	416	104	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Form with sections: Company Name, Project Manager, Address, City, Phone, Project #, Project Name, Project Location, Sampler Name, BILL TO, ANALYSIS REQUEST, Lab I.D., Sample I.D., MATRIX, PRESERV., SAMPLING.

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses.

Form with sections: Relinquished By, Received By, Verbal Result, All Results are emailed, REMARKS, Delivered By, Observed Temp, Sample Condition, CHECKED BY, Turnaround Time, Bacteria (only) Sample Condition.

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720

District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720

District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS
 Action 25816

CONDITIONS

Operator: Pima Environmental Services, LLC 5614 N Lovington Hwy Hobbs, NM 88240	OGRID: 329999
	Action Number: 25816
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	None	1/26/2023