State of New Mexico
Oil Conservation Division

Incident ID	nAB1625955713
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?	Over 51 (ft. bgs.)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

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

Characterization Report Checklist: ***Each of the following items must be included in the report.*** **NOTE: All fluids released were captured within a lined containment. This C-141 documents the requirements of NMAC 19.15.29.11.5(a)(i) and (ii). A documented liner inspection including photographs with time, date, directionals and coordinates are included with the closure request. 48-hours-notice was given to NMOCD in the event that NMOCD wanted to observe the liner inspection. Two mechanically induced holes were found in the liner. Soils beneath the liner were sampled through the holes. Attached reporting summarizes field and lab results.**

- ☒ 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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	nAB1625955713
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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.

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

Printed Name: Dale Woodall Title: Environment Professional

Signature: Dale Woodall Date: 5/2/2023

email: Dale.Woodall@dvn.com Telephone: 405 318 4697

OCD Only

Received by: Jocelyn Harimon Date: 05/02/2023

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State of New Mexico
Oil Conservation Division

Incident ID	nAB1625955713
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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

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

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

☐ Extents of contamination must be fully delineated. Horizontal delineation could not be performed without cutting a large portion of the liner. Coordinates of the vertical delineation are provided in Attachment 4, page 11 of the attached report and here. Hole 1 – Lat. 32.30920 N, Long. -103.72719 W, Hole 2 – Lat. 32.30919 N, -103.72736 W. A deferral is requested under NMAC 19.15.29.12.C.2

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

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

Name: Dale Woodall Title: Environment Professional

Signature: Dale Woodall Date: 5/2/2023

email: Dale.Woodall@dvn.com Telephone: 405 318 4697

OCD Only

Received by: _____ Date: _____

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

Jocelyn Harimon 05/02/2023

Signature: _____ Date: _____

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Page 6

State of New Mexico
Oil Conservation Division

Incident ID	nAB1625955713
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: Dale Woodall Title: Environment Professional

Signature: Dale Woodall Date: 5/2/2023

email: Dale.Woodall@dvn.com Telephone: 405 318 4697

OCD Only

Received by: Jocelyn Harimon Date: 05/02/2023

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

Closure Approved by: Brittany Hall Date: 5/8/2023

Printed Name: Brittany Hall Title: Environmental Specialist

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

July 7, 2020

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

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

Dear Mr. Amos and Mr. Bratcher,

Pima Environmental Services, LLC (Pima) has conducted a site assessment, soil sampling and has prepared this Closure Report on behalf of Devon Energy Production Company (Devon) for the Vega 29 Fed #1H (Vega). This incident was assigned 2RP-3888 by the New Mexico Oil Conservation Division (NMOCD).

Site Information and Site Characterization

The Vega is located approximately twenty-five (25) miles northeast of Carlsbad, NM. This site is in Unit A, Section 29, Township 19S, Range 31E, Latitude 32.6377792, Longitude -103.885788, Eddy County, NM. Figure 1 references a location map.

Per the New Mexico Bureau of Geology and Mineral Resources, the local surface and shallow geology are eolian and piedmont deposits, Holocene to middle Pleistocene in age. The soil in this area is made up of Kermit-Berino fine sands, 0 to 3 percent slopes according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage courses in this area are well-drained.

Based upon well water data, depth to the nearest groundwater in this area is greater than 140 feet below grade surface (BGS). There are no known water wells within ½ mile of this location, according to the New Mexico Office of the State Engineer. According to the United States Geological Survey (USGS), the nearest significant watercourse is a saltwater pond located approximately 2.5 miles to the south. See Appendix A for referenced water surveys.

Table 1 NMAC and Closure Criteria 19.15.29					
Depth to Groundwater (Appendix B)	Constituent & Limits				
	Chlorides	Total TPH	GRO+DRO	BTEX	Benzene
140'	20,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg
<50	600 mg/kg	100 mg/kg	100 mg/kg	50 mg/kg	10mg/kg
If the release occurred within any of the following areas, the responsible party would treat the release as if the groundwater was less than 50 feet per Rule 19.15.29					
Water Issues				Yes	No
Within **300** feet of any continuously flowing watercourse or any other significant watercourse					x
Within **200** feet of any lakebed, sinkhole or playa lake (measures from the ordinary high-water mark					x
Within **300** feet from an occupied permanent residence, school, hospital, institution or church					x
Within **500** feet of a spring or a private, domestic freshwater well used by less than five households for domestic or stock water purposes					x
Within **1000** feet of any freshwater well or spring					x
Within incorporated municipal boundaries or within a defined municipal freshwater well field					x
Within **300** feet of a wetlands					x
Within the area overlying a subsurface mine					x
Within an unstable area (Karst)					x
Within a 100-year floodplain					x

Reference Figure 2 for a TOPO Map and Figure 3 for a Karst Map.

Release Information

2RP-3888: On September 9, 2016, a spill pot malfunctioned and did not shut off the well resulting in it overflowing. The well was shut in when found and repairs were made and put back in service. The release was approximately 8 barrels (bbls) of oil and 2 bbls of produced water that affected the well pad. All the fluids stayed on the location and a vac truck was dispatched and recovered 5 bbls of oil and 1 bbls of produced water.

Site Assessment and Soil Sampling Results

On June 8, 2020, composite samples were collected outside the containment walls to verify that the liner had not been breached, and the integrity was still intact. The laboratory results of this sampling event can be found in the following data table.

6-17-20 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is >100')											
Sample Date 6-17-20		Field Screening Utilizing PID Meter, Chloride Strips and 5300 Method			NM Approved Laboratory Results						
Sample ID	Depth (BGS)	VOC	Benzene	Chlorides	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
S-1	0-1				ND	ND	ND	280	530	810	1000
	2				ND	ND	ND	ND	ND	ND	320
	3				ND	ND	ND	ND	ND	ND	470
S-2	0-6"				ND	ND	ND	680	960	1640	390
	1				ND	ND	ND	89	200	289	ND
	2				ND	ND	ND	ND	ND	ND	ND
	3				ND	ND	ND	ND	ND	ND	ND
S-3	0-6"				ND	ND	ND	ND	ND	ND	220
	1				ND	ND	ND	ND	ND	ND	71
	2				ND	ND	ND	ND	ND	ND	ND
	3				ND	ND	ND	ND	ND	ND	ND
S-4	0-6"				ND	ND	ND	ND	ND	ND	ND
	1				ND	ND	ND	ND	ND	ND	ND
	2				ND	ND	ND	ND	ND	ND	ND
	3				ND	ND	ND	ND	ND	ND	ND
S-5	0-6"				ND	ND	ND	ND	ND	ND	82
	1				ND	ND	ND	ND	ND	ND	ND
	2				ND	ND	ND	ND	ND	ND	ND
	3				ND	ND	ND	ND	ND	ND	ND
S-6	0-6"				ND	ND	ND	270	670	940	ND
	1				ND	ND	ND	31	78	109	110
	2				ND	ND	ND	110	300	410	190
	3				ND	ND	ND	ND	ND	ND	310
BG-1	0				ND	ND	ND	ND	ND	ND	ND
BG-2	0				ND	ND	ND	ND	ND	ND	ND
BG-3	0				ND	ND	ND	ND	ND	ND	ND
BG-4	0				ND	ND	ND	ND	ND	ND	ND
BG-5	0				ND	ND	ND	ND	ND	ND	ND
BG-6	0				ND	ND	ND	ND	ND	ND	ND
BG-7	0				ND	ND	ND	ND	ND	ND	ND

ND- Analyte Not Detected

A Complete Laboratory Report is attached in Appendix C.

Remediation Activities

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

Closure Request

After careful review, Pima, on behalf of Devon Energy, is requesting that no further action be required, and closure in regard to this incident be granted.

If you have any questions or need additional information, please feel free to contact Chris Jones by phone or email.

Respectfully,

Chris Jones
Environmental Professional
Pima Environmental Services, LLC

Attachments

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

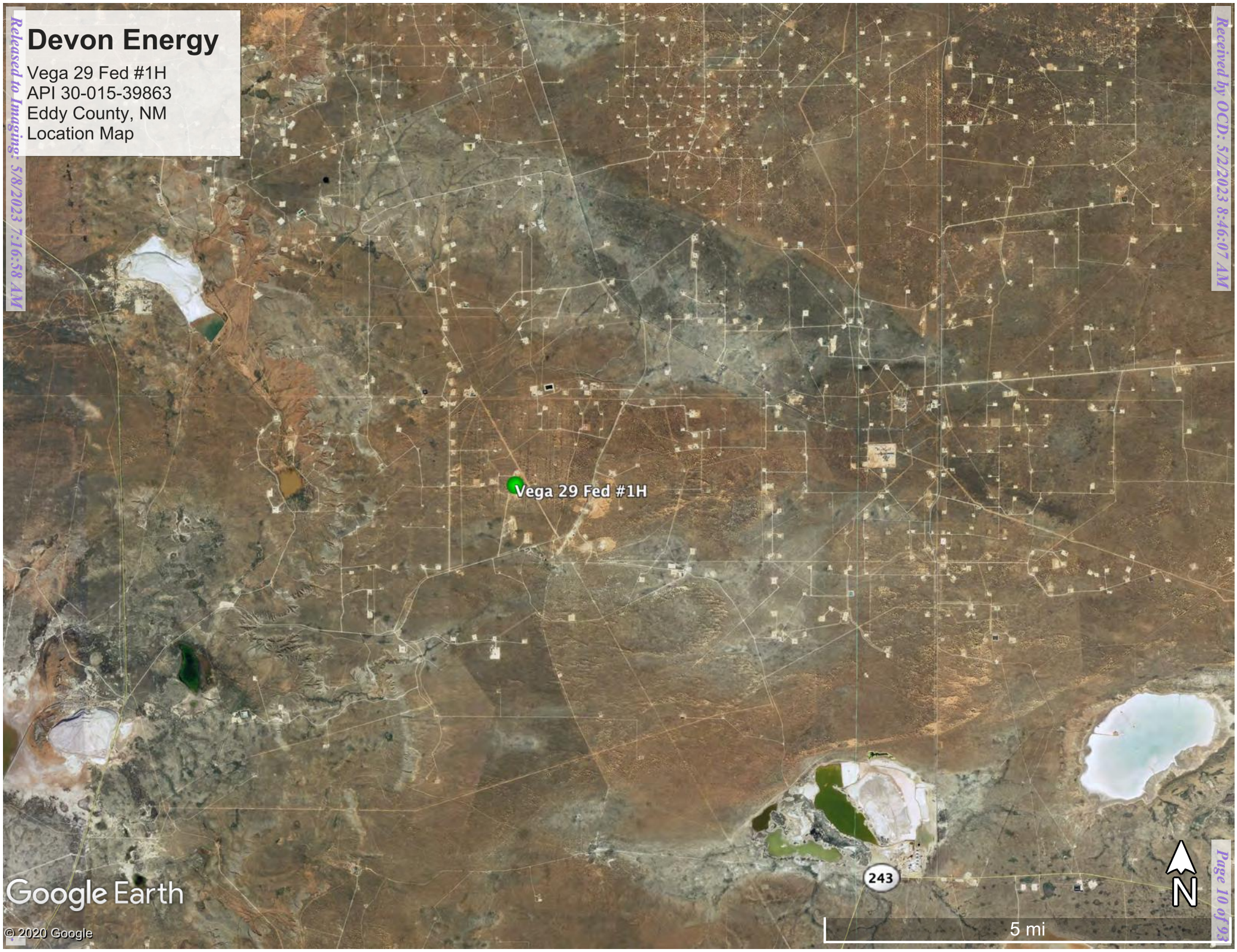
Appendices:
Appendix A- Referenced Water Surveys
Appendix B- Soil Survey and Geological Data
Appendix C- C-141's
Appendix D- Laboratory Reports
Appendix E- Photographic Documentation

Pima Environmental Services

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

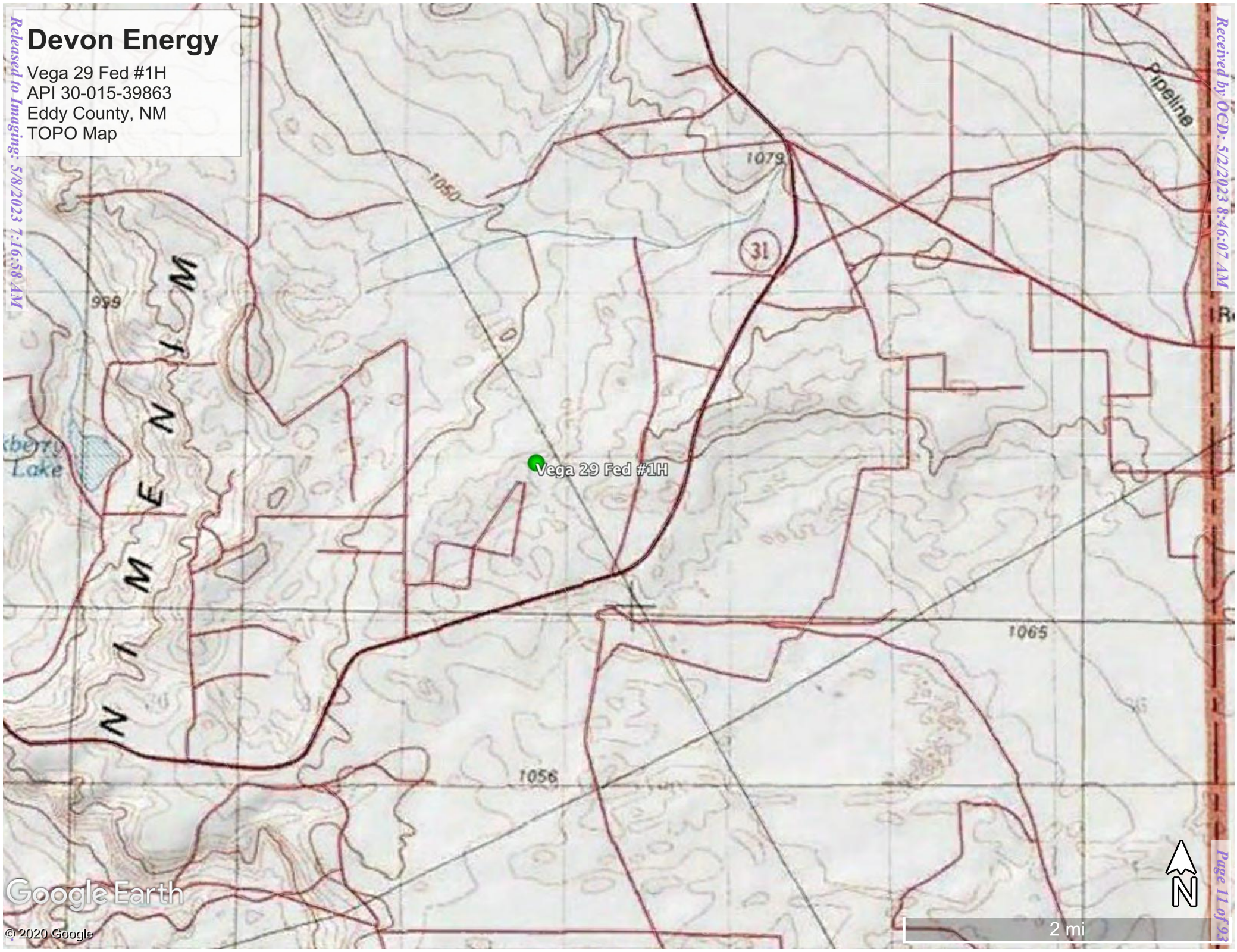
Devon Energy

Vega 29 Fed #1H
API 30-015-39863
Eddy County, NM
Location Map



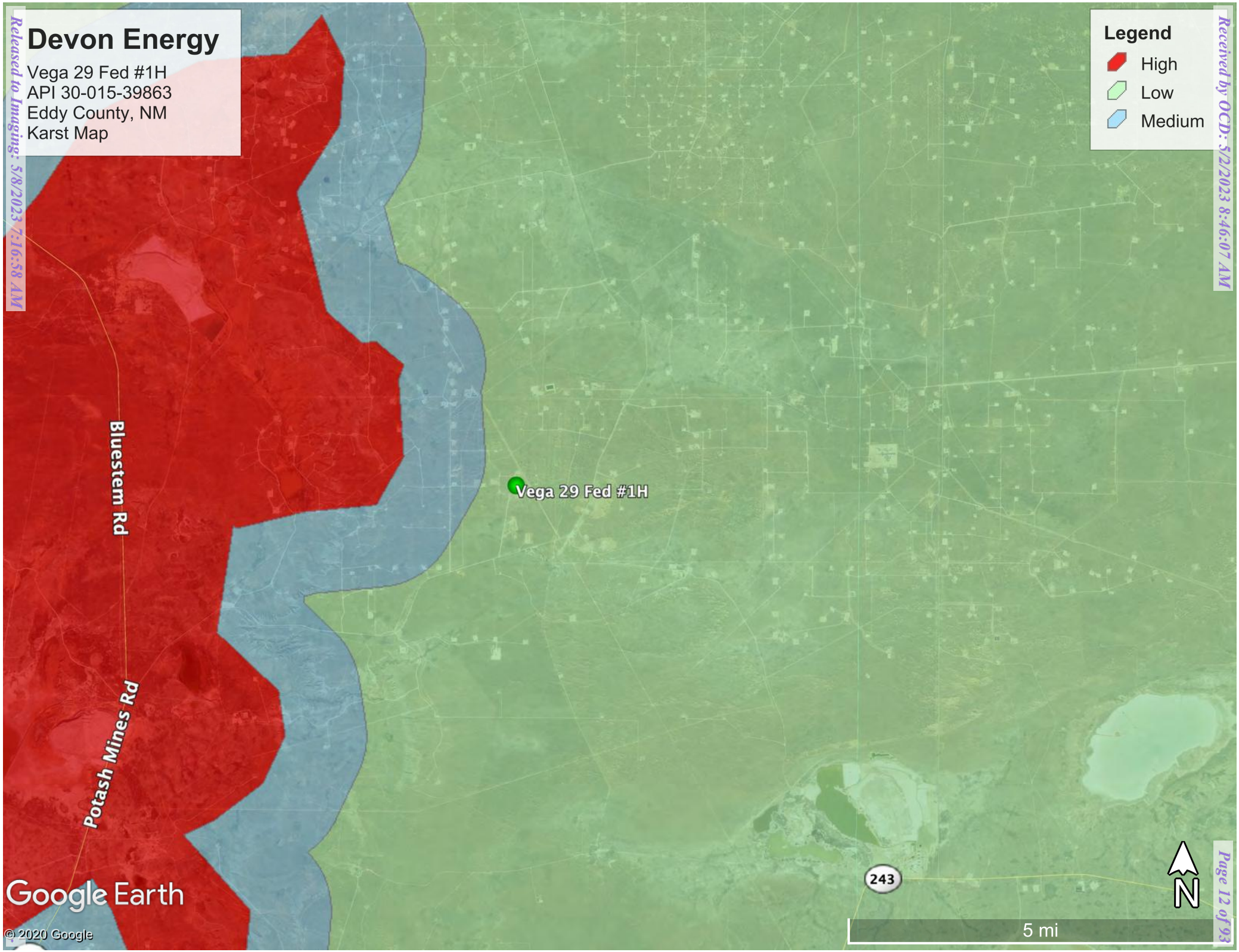
Devon Energy

Vega 29 Fed #1H
API 30-015-39863
Eddy County, NM
TOPO Map



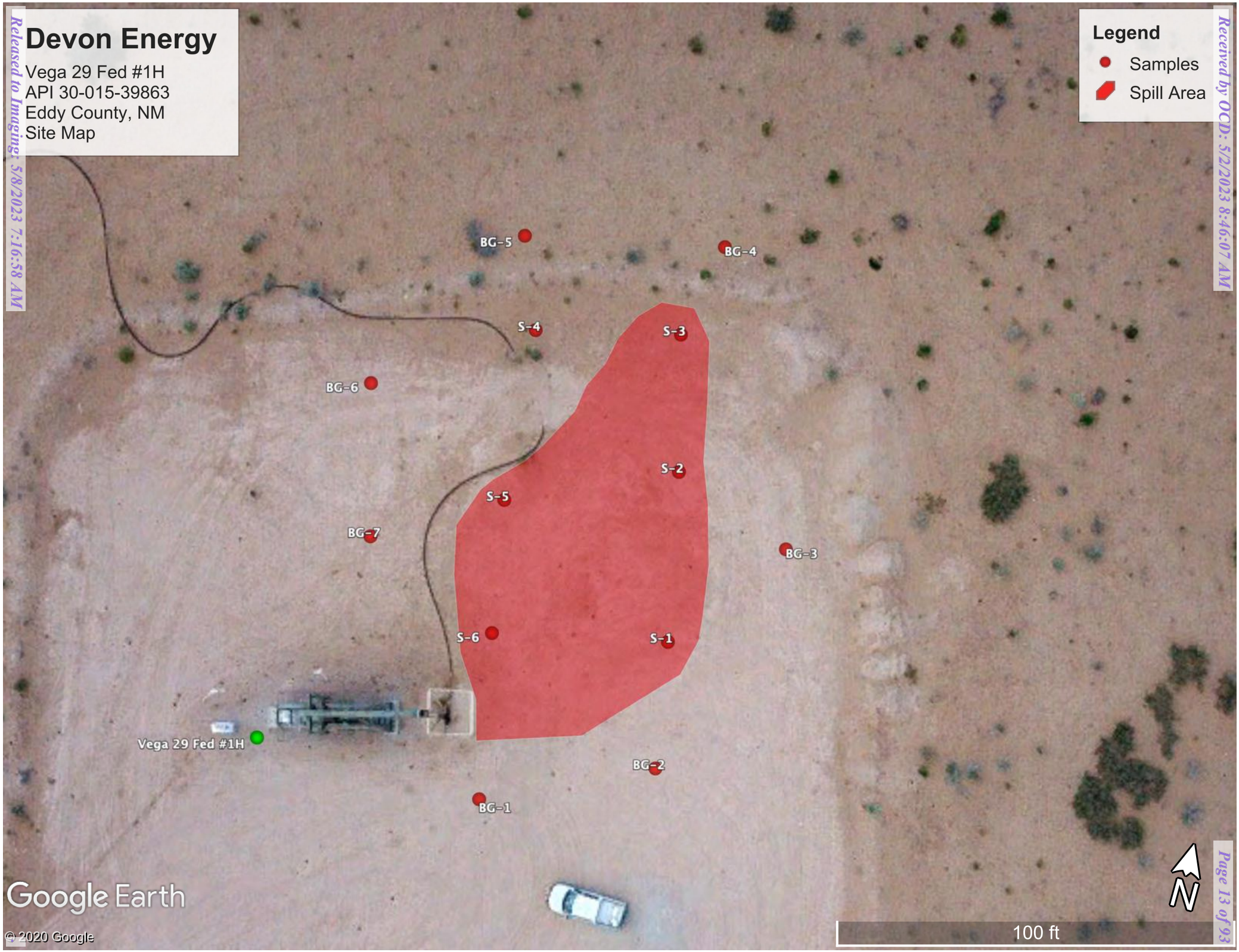
Devon Energy

Vega 29 Fed #1H
API 30-015-39863
Eddy County, NM
Karst Map



Devon Energy

Vega 29 Fed #1H
API 30-015-39863
Eddy County, NM
Site Map



Pima Environmental Services

Appendix A
Water Surveys:
OSE
USGS
FEMA

ADDENDUM

Location name: VEGA 29 FEDERAL 1

OCD Spill Number: nAB1625955713

Spill date: 9/15/2019

From: Dale Woodall, Devon Energy

Date: 5/2/2023

Since the PIMA report for the above referenced spill was written (submitted to the NM OCD on 10/31/2022), there has been an update in the status of the PODs for the location.

A review of New Mexico Office of the State Engineers (OSE) online water well database (New Mexico Office of the State Engineer (NMOSE) online water well database https://gis.ose.state.nm.us/gisapps/ose_pod_locations/).

One pod location is within 0.5 miles of the location and is less than 25 years old.

CP-01941 POD 1 (installed in 2023) did not encounter groundwater at 55 feet and is 0.1 miles south of the location

The spill was remediated to criteria for DTW of greater than 51 feet bgs.

Boring log of the well CP-01941 POD1 is attached.

NORTH

C-01941- POD1 (DTW = 55 feet) = 0.1 miles from location (4/4/2023)

SOURCE: OSE NM POD LOCATON GIS MAP

FIGURE 1: NM OSE POD LOCATIONS	
VEGA 29 FED 1H	
32.6377792,-103.885788	
drawn by: RDW	Date: 05/2023

Atkins
ENGINEERING ASSOCIATES INC.
2904 W 2nd St.
Roswell, NM 88201
voice: 575.624.2420
fax: 575.624.2421
www.atkinseng.com

April 27, 2023

DII-NMOSE
1900 W 2nd Street
Roswell, NM 88201

Hand Delivered to the DII Office of the State Engineer

Re: Well Record CP-1941Pod-1

To whom it may concern:

Attached please find a well log & record and a plugging record, in duplicate, for a one (1) soil borings, CP-1941Pod-1.

If you have any questions, please contact me at 575.499.9244 or lucas@atkinseng.com.

Sincerely,

Lucas Middleton

Enclosures: as noted above

PLUGGING RECORD

NOTE: **A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC**

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: CP-1941 POD-1

Well owner: Devon Energy Phone No.: 575-748-1838

Mailing address: 6488 7 Rivers Hwy

City: Artesia State: New Mexico Zip code: 88210

II. WELL PLUGGING INFORMATION:

1) Name of well drilling company that plugged well: Jackie D. Atkins (Atkins Engineering Associates Inc.)

2) New Mexico Well Driller License No.: 1249 Expiration Date: 04/30/25

3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Shane Eldridge Cameron Pruitt

4) Date well plugging began: 4/18/2023 Date well plugging concluded: 4/18/2023

5) GPS Well Location: Latitude: 32 deg, 38 min, 10.56 sec
Longitude: 103 deg, 53 min, 8.4 sec, WGS 84

6) Depth of well confirmed at initiation of plugging as: 55 ft below ground level (bgl), by the following manner: weighted tape

7) Static water level measured at initiation of plugging: 54.0 ft bgl

8) Date well plugging plan of operations was approved by the State Engineer: 1/17/23

9) Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

Version: September 8, 2009
Page 1 of 2

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
	0-55' Type I/II Neat Cement	Approx. 108 gallons	87 gallons	Augers	5.3 gallons of water per 94 lbs. sack

MULTIPLY		BY		AND OBTAIN
cubic feet	x	7.4805	=	gallons
cubic yards	x	201.97	=	gallons

III. SIGNATURE:

I, Jackie D. Atkins, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Jack Atkins — Signature of Well Driller

4/27/23 — Date

Version: September 8, 2009
Page 2 of 2

37-CP-1941-WR-20 Well Record and Log-packet-forsign

Final Audit Report 2023-04-27

Created:	2023-04-27
By:	Lucas Middleton (lucas@atkinseng.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAAZe6f7m_ZXD3umImg78Iznr5X3LGLFY14

"37-CP-1941-WR-20 Well Record and Log-packet-forsign" History

Document created by Lucas Middleton (lucas@atkinseng.com)
2023-04-27 - 5:55:42 PM GMT- IP address: 174.205.160.54

Document emailed to Jack Atkins (jack@atkinseng.com) for signature
2023-04-27 - 5:56:26 PM GMT

Email viewed by Jack Atkins (jack@atkinseng.com)
2023-04-27 - 7:58:51 PM GMT- IP address: 64.90.153.232

Document e-signed by Jack Atkins (jack@atkinseng.com)
Signature Date: 2023-04-27 - 8:00:25 PM GMT - Time Source: server- IP address: 64.90.153.232

Agreement completed.
2023-04-27 - 8:00:25 PM GMT

Adobe Acrobat Sign

New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 00725 POD1		CP	ED	1	3	3	28	19S	31E	604906	3610473*	1264	231		
CP 00722 POD1		CP	LE	4	3	3	28	19S	31E	605106	3610273*	1521	200		
CP 00723 POD1		CP	ED	2	1	1	33	19S	31E	605111	3610071*	1711	139		
CP 00722 POD3		CP	LE	2	4	1	33	19S	31E	605519	3609673*	2240	220	140	80
CP 00829 POD1		CP	LE		2	4	16	19S	31E	606165	3614009*	2860	120		

Average Depth to Water: **140 feet**

Minimum Depth: **140 feet**

Maximum Depth: **140 feet**

Record Count: 5

UTMNAD83 Radius Search (in meters):

Easting (X): 604512.15 **Northing (Y):** 3611674 **Radius:** 3000

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

Click to hide News Bulletins

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

roundwater levels for the Nation

arch Results -- 1 sites found

site_no list =
- 323730103524701

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

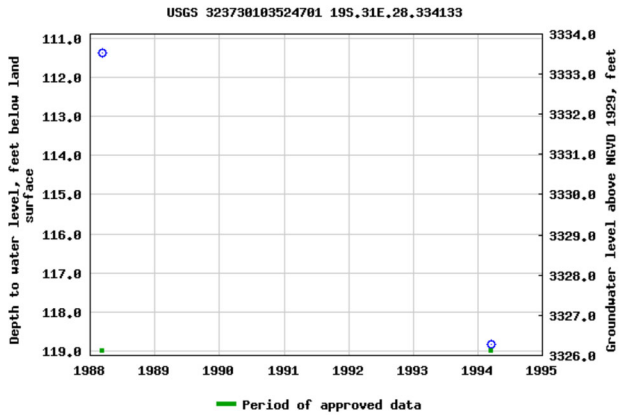
USGS 323730103524701 19S.31E.28.334133

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

Eddy County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°37'30", Longitude 103°52'47" NAD27
Land-surface elevation 3,445 feet above NGVD29
The depth of the well is 204.00 feet below land surface.
This well is completed in the Dockum Group (231DCKM) local aquifer.

Output formats

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



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

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help

Data Tips
Explanation of terms
Subscribe for system changes
News

USGS Home
Contact USGS
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National Water Information System: Mapper

Help

Sites | Map

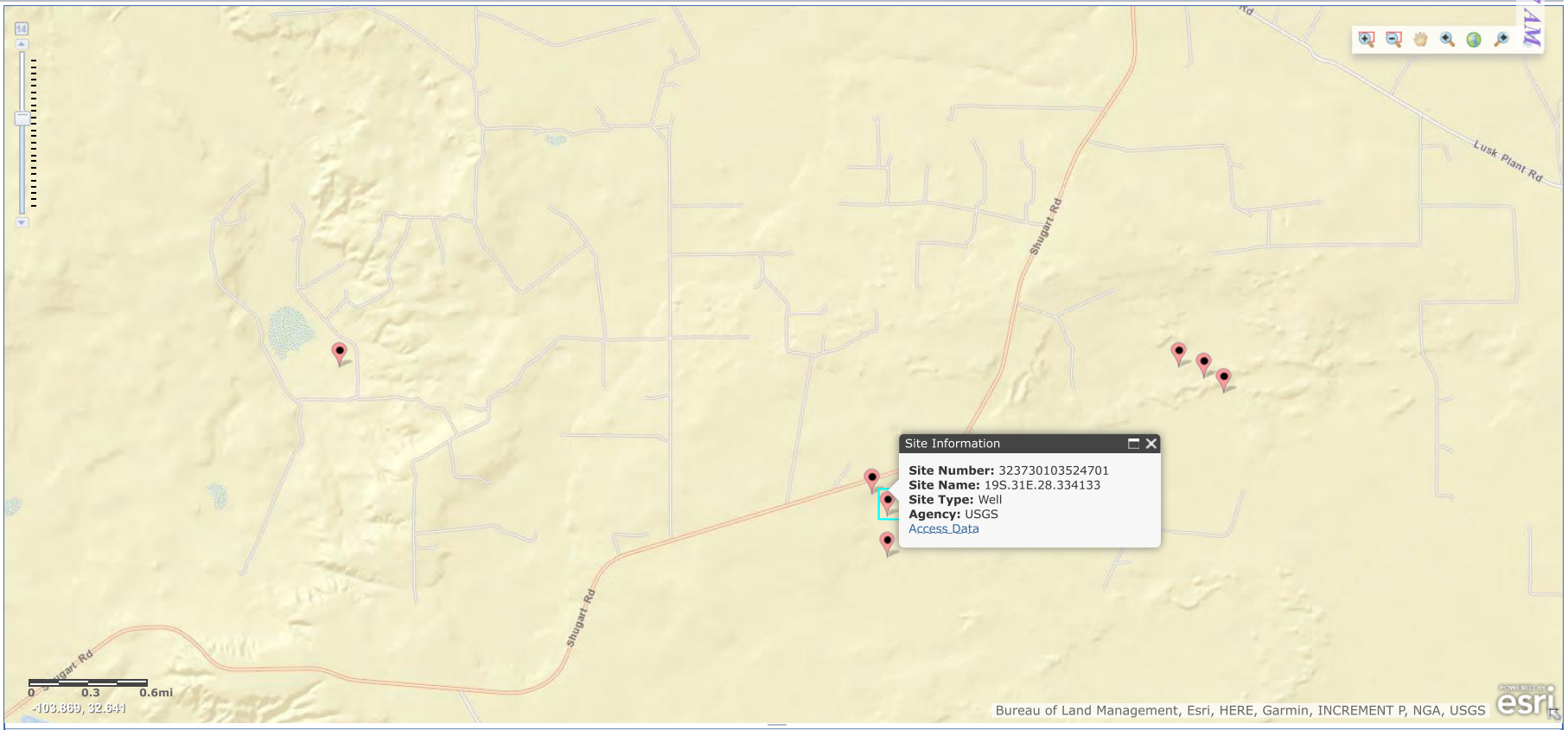
Search

- Surface-Water Sites
- Groundwater Sites

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

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

- Springs
- Atmospheric Sites
- Other Sites



Site Information

National Flood Hazard Layer FIRMette

32°38'31.15"N

103°52'27.55"W

103°52'50.11"W

32°38'0.86"N

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

1:6,000

Legend

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

SPECIAL FLOOD HAZARD AREAS	Without Base Flood Elevation (BFE) *Zone A, V, A99*
	With BFE or Depth *Zone AE, AO, AH, VE, AR*
	Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD	0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
	Future Conditions 1% Annual Chance Flood Hazard *Zone X*
	Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
	Area with Flood Risk due to Levee *Zone*
OTHER AREAS	NO SCREEN Area of Minimal Flood Hazard *Zone X*
	Effective LOMRs
	Area of Undetermined Flood Hazard *Zone D*
GENERAL STRUCTURES	Channel, Culvert, or Storm Sewer
	Levee, Dike, or Floodwall
OTHER FEATURES	20.2 / 17.5 Cross Sections with 1% Annual Chance / Water Surface Elevation
	Coastal Transect
	Base Flood Elevation Line (BFE)
	Limit of Study
	Jurisdiction Boundary
	Coastal Transect Baseline
	Profile Baseline
	Hydrographic Feature
MAP PANELS	Digital Data Available
	No Digital Data Available
	Unmapped

N

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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 6/10/2020 at 7:14:26 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 B
Soil Survey & Geological Data:
USDA

Eddy Area, New Mexico

KM—Kermit-Berino fine sands, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w4q
Elevation: 3,100 to 4,200 feet
Mean annual precipitation: 10 to 14 inches
Mean annual air temperature: 60 to 64 degrees F
Frost-free period: 190 to 230 days
Farmland classification: Not prime farmland

Map Unit Composition

Kermit and similar soils: 50 percent
Berino and similar soils: 35 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Kermit

Setting

Landform: Plains, alluvial fans
Landform position (three-dimensional): Talf, rise
Down-slope shape: Convex, linear
Across-slope shape: Linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 7 inches: fine sand
H2 - 7 to 60 inches: fine sand

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Excessively drained
Runoff class: Negligible
Capacity of the most limiting layer to transmit water (Ksat): Very high (20.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Salinity, maximum in profile: Nonsaline (0.0 to 1.0 mmhos/cm)
Sodium adsorption ratio, maximum in profile: 1.0
Available water storage in profile: Low (about 3.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: A
Ecological site: Deep Sand (R042XC005NM)
Hydric soil rating: No

Description of Berino

Setting

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

Typical profile

H1 - 0 to 17 inches: fine sand
H2 - 17 to 50 inches: fine sandy loam
H3 - 50 to 58 inches: loamy sand

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 40 percent
Salinity, maximum in profile: Very slightly saline to slightly saline (2.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum in profile: 1.0
Available water storage in profile: Moderate (about 7.2 inches)

Interpretive groups

Land capability classification (irrigated): 4e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: Loamy Sand (R042XC003NM)
Hydric soil rating: No

Minor Components

Active dune land

Percent of map unit: 15 percent
Hydric soil rating: No

Data Source Information

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

Qep

Eolian and piedmont deposits (Holocene to middle Pleistocene)—Interlayed eolian sands and piedmont–slope deposits along the eastern flank of the Pecos River valley, primarily between Roswell and Carlsbad. Typically capped by thin eolian deposits

Pima Environmental Services

Appendix C
C-141's:
Initial
Final

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

State of New Mexico
Energy Minerals and Natural Resources

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

NM OIL CONSERVATION
ARTESIA DISTRICT
SEP 19 2016
RECEIVED

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

NAB1625955713

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company Devon Energy Production Company 6137	**Contact** Danny Velo, Production Foreman
Address 6488 Seven Rivers Hwy Artesia, NM 88210	**Telephone No.** 575-703-3360
Facility Name Vega 29 Federal 1H	**Facility Type** Oil Well

Surface Owner Federal	**Mineral Owner** Federal	**API No** 30-015-39863

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	29	19S	31E	320	FNL	990	FEL	Eddy

Latitude: 32.6377792 **Longitude:** -103.885788

NATURE OF RELEASE

Type of Release Oil & Produced Water (PW)	**Volume of Release** 8bbls Oil & 2bbls PW	**Volume Recovered** 5bbls Oil & 1bbl PW
Source of Release Spill pot	**Date and Hour of Occurrence** September 9, 2016 @ 8:00AM	**Date and Hour of Discovery** September 9, 2016 @ 8:00AM
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	**If YES, To Whom?** Mike Bratcher, OCD Shelly Tucker, BLM	
By Whom? Danny Velo, Production Foreman	**Date and Hour** Mike Bratcher, OCD September 9, 2016 @ 3:00PM Shelly Tucker, BLM September 9, 2016 @ 3:03PM	
Was a Watercourse Reached? ☐ Yes ☒ No	**If YES, Volume Impacting the Watercourse** N/A	

If a Watercourse was Impacted, Describe Fully.*
N/A

Describe Cause of Problem and Remedial Action Taken.*
Spill pot malfunctioned and did not shut off the well allowing the pot to overflow. The well was immediately shut down to stop the release. Electricians were called and the faulty spill pot has been replaced and the unit is back in service.

Describe Area Affected and Cleanup Action Taken.*
Approximately 8bbls oil and 2bbls produced water was released from the spill pot onto location around the wellhead and flowed in an Easterly direction on the pad. The affected area is approximately 54'x73' with all fluid remaining on location. A vacuum truck was called and recovered 5bbls oil and 1bbl produced water from location. An environmental agency will be contacted for remediation.

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

Signature: Sheila Fisher

Printed Name: Sheila Fisher

Title: **Field Admin Support**

E-mail Address: **Sheila.fisher@dvn.com**

Date: 9/13/16 Phone: **575.748.1829**

OIL CONSERVATION DIVISION

Approved by Environmental Specialist:

Approval Date: 9/15/16 Expiration Date: N/A

Conditions of Approval:
Remediation per O.C.D. Rules & Guidelines
SUBMIT REMEDIATION PROPOSAL NO LATER THAN: 10/15/16

Attached ☐

2RP-3888

* Attach Additional Sheets If Necessary

Patterson, Heather, EMNRD

From: Fisher, Sheila <Sheila.Fisher@dvn.com>
Sent: Tuesday, September 13, 2016 10:24 AM
To: Shelly Tucker (stucker@blm.gov); Bratcher, Mike, EMNRD; Patterson, Heather, EMNRD
Cc: Armendariz, Jesse; Velo, Danny; Fulks, Brett
Subject: Vega 29 Fed 1H_8bbls oil & 2bbls pw release_9.9.16
Attachments: Vega 29 Fed 1H_8bbls oil & 2bbls pw release_Initial C-141_9.9.16.doc; Vega 29 Fed 1H_8bbls oil & 2bbls pw release_GIS Image_9.9.16.pdf; Vega 29 Fed 1H_8bbls oil & 2bbls pw release_pic 1 of 2_9.9.16.jpg; Vega 29 Fed 1H_8bbls oil & 2bbls pw release_pic 2 of 2_9.9.16.jpg

Good Morning,

Attached please find the Initial C-141, GIS Image and photos for the 8bbls oil and 2bbls produced water release at the Vega 29 Fed 1H on 9.9.16.

If you have any questions please feel free to contact me.

Thank you,

Sheila Fisher
Field Admin Support
Production
B-Schedule

Devon Energy Corporation
PO Box 250
Artesia, NM 88211
575 748 1829 Direct

devon

Form C-141
Page 3

State of New Mexico
Oil Conservation Division

Incident ID	nAB1625955713
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?	Over 51 (ft. bgs.)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

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

Characterization Report Checklist: ***Each of the following items must be included in the report.*** **NOTE: All fluids released were captured within a lined containment. This C-141 documents the requirements of NMAC 19.15.29.11.5(a)(i) and (ii). A documented liner inspection including photographs with time, date, directionals and coordinates are included with the closure request. 48-hours-notice was given to NMOCD in the event that NMOCD wanted to observe the liner inspection. Two mechanically induced holes were found in the liner. Soils beneath the liner were sampled through the holes. Attached reporting summarizes field and lab results.**

- ☒ 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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	nAB1625955713
District RP	
Facility ID	
Application ID	

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.

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

Printed Name: Dale Woodall Title: Environment Professional

Signature: Dale Woodall Date: 5/2/2023

email: Dale.Woodall@dvn.com Telephone: 405 318 4697

OCD Only

Received by: Date:

Form C-141
Page 5

State of New Mexico
Oil Conservation Division

Incident ID	nAB1625955713
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: ***Each of the following items must be included in the plan.*** **NOTE: This release occurred within a lined containment. The release was reported as 12.49 bbls. of produced water. A vacuum truck was utilized to recover released fluid. The liner was inspected on July 13, 2022 and found to be intact with no obvious sign of deterioration. No Fluids were spilled to the ground outside the containment. The fluids were properly disposed. Vertical delineation at the 2 mechanically induced holes was performed.** A deferral is requested under NMAC 19.15.29.12.C.2. Based on Laboratory Results, the volume of impacted soils is estimated at less than 2 yds^3. **Holes in the liner were repaired by Devon Construction personnel. Soil remediation will be required at the time of facility closure. The valve was replaced and the battery is back in service.**

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

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

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

☐ Extents of contamination must be fully delineated. Horizontal delineation could not be performed without cutting a large portion of the liner. Coordinates of the vertical delineation are provided in Attachment 4, page 11 of the attached report and here. Hole 1 – Lat. 32.30920 N, Long. -103.72719 W, Hole 2 – Lat. 32.30919 N, -103.72736 W. A deferral is requested under NMAC 19.15.29.12.C.2

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

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

Name: Dale Woodall Title: Environment Professional

Signature: Dale Woodall Date: 5/2/2023

email: Dale.Woodall@dvn.com Telephone: 405 318 4697

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2217833526
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: Dale Woodall Title: Environment Professional

Signature: Dale Woodall Date: 5/2/2023

email: Dale.Woodall@dvn.com Telephone: 405 318 4697

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

Pima Environmental Services

Appendix D:
Laboratory Reports

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

June 26, 2020

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

RE: Vega 29 Fed #1H OrderNo.: 2006A23

Dear Chris Jones:

Hall Environmental Analysis Laboratory received 31 sample(s) on 6/19/2020 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2006A23**
Date Reported: **6/26/2020**

CLIENT: Pima Environmental Services LLC
Client Sample ID: S-1 0-1
Project: Vega 29 Fed #1H
Collection Date: 6/17/2020 2:30:00 PM
Lab ID: 2006A23-001 **Matrix:** SOIL
Received Date: 6/19/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	280	97		mg/Kg	10	6/20/2020 8:12:37 PM
Motor Oil Range Organics (MRO)	530	480		mg/Kg	10	6/20/2020 8:12:37 PM
Surr: DNOP	0	55.1-146	S	%Rec	10	6/20/2020 8:12:37 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	1000	60		mg/Kg	20	6/23/2020 8:49:31 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**
Benzene	ND	0.025		mg/Kg	1	6/21/2020 3:30:19 AM
Toluene	ND	0.050		mg/Kg	1	6/21/2020 3:30:19 AM
Ethylbenzene	ND	0.050		mg/Kg	1	6/21/2020 3:30:19 AM
Xylenes, Total	ND	0.099		mg/Kg	1	6/21/2020 3:30:19 AM
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	1	6/21/2020 3:30:19 AM
Surr: 4-Bromofluorobenzene	97.8	70-130		%Rec	1	6/21/2020 3:30:19 AM
Surr: Dibromofluoromethane	103	70-130		%Rec	1	6/21/2020 3:30:19 AM
Surr: Toluene-d8	102	70-130		%Rec	1	6/21/2020 3:30:19 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/21/2020 3:30:19 AM
Surr: BFB	96.0	70-130		%Rec	1	6/21/2020 3:30:19 AM

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2006A23**
Date Reported: **6/26/2020**

CLIENT: Pima Environmental Services LLC
Client Sample ID: S-1 1'
Project: Vega 29 Fed #1H
Collection Date: 6/17/2020 2:32:00 PM
Lab ID: 2006A23-002 **Matrix:** SOIL
Received Date: 6/19/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	63	9.2		mg/Kg	1	6/20/2020 8:22:45 PM
Motor Oil Range Organics (MRO)	65	46		mg/Kg	1	6/20/2020 8:22:45 PM
Surr: DNOP	140	55.1-146		%Rec	1	6/20/2020 8:22:45 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	300	60		mg/Kg	20	6/23/2020 9:26:45 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**
Benzene	ND	0.025		mg/Kg	1	6/21/2020 4:55:57 AM
Toluene	ND	0.049		mg/Kg	1	6/21/2020 4:55:57 AM
Ethylbenzene	ND	0.049		mg/Kg	1	6/21/2020 4:55:57 AM
Xylenes, Total	ND	0.098		mg/Kg	1	6/21/2020 4:55:57 AM
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	1	6/21/2020 4:55:57 AM
Surr: 4-Bromofluorobenzene	89.9	70-130		%Rec	1	6/21/2020 4:55:57 AM
Surr: Dibromofluoromethane	105	70-130		%Rec	1	6/21/2020 4:55:57 AM
Surr: Toluene-d8	109	70-130		%Rec	1	6/21/2020 4:55:57 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/21/2020 4:55:57 AM
Surr: BFB	94.4	70-130		%Rec	1	6/21/2020 4:55:57 AM

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

Qualifiers:

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

Analytical Report
Lab Order **2006A23**
Date Reported: **6/26/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC
Client Sample ID: S-1 2'
Project: Vega 29 Fed #1H
Collection Date: 6/17/2020 2:34:00 PM
Lab ID: 2006A23-003 **Matrix:** SOIL
Received Date: 6/19/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	6/20/2020 8:32:51 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/20/2020 8:32:51 PM
Surr: DNOP	135	55.1-146		%Rec	1	6/20/2020 8:32:51 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	320	60		mg/Kg	20	6/23/2020 10:03:58 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**
Benzene	ND	0.025		mg/Kg	1	6/21/2020 6:21:47 AM
Toluene	ND	0.050		mg/Kg	1	6/21/2020 6:21:47 AM
Ethylbenzene	ND	0.050		mg/Kg	1	6/21/2020 6:21:47 AM
Xylenes, Total	ND	0.10		mg/Kg	1	6/21/2020 6:21:47 AM
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	1	6/21/2020 6:21:47 AM
Surr: 4-Bromofluorobenzene	94.7	70-130		%Rec	1	6/21/2020 6:21:47 AM
Surr: Dibromofluoromethane	105	70-130		%Rec	1	6/21/2020 6:21:47 AM
Surr: Toluene-d8	106	70-130		%Rec	1	6/21/2020 6:21:47 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/21/2020 6:21:47 AM
Surr: BFB	97.1	70-130		%Rec	1	6/21/2020 6:21:47 AM

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

Qualifiers:

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

Analytical Report
Lab Order **2006A23**
Date Reported: **6/26/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC
Client Sample ID: S-1 3'
Project: Vega 29 Fed #1H
Collection Date: 6/17/2020 2:36:00 PM
Lab ID: 2006A23-004 **Matrix:** SOIL
Received Date: 6/19/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	6/20/2020 8:42:56 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/20/2020 8:42:56 PM
Surr: DNOP	116	55.1-146		%Rec	1	6/20/2020 8:42:56 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	470	60		mg/Kg	20	6/23/2020 10:41:13 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**
Benzene	ND	0.024		mg/Kg	1	6/21/2020 6:50:23 AM
Toluene	ND	0.049		mg/Kg	1	6/21/2020 6:50:23 AM
Ethylbenzene	ND	0.049		mg/Kg	1	6/21/2020 6:50:23 AM
Xylenes, Total	ND	0.098		mg/Kg	1	6/21/2020 6:50:23 AM
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	1	6/21/2020 6:50:23 AM
Surr: 4-Bromofluorobenzene	91.3	70-130		%Rec	1	6/21/2020 6:50:23 AM
Surr: Dibromofluoromethane	104	70-130		%Rec	1	6/21/2020 6:50:23 AM
Surr: Toluene-d8	104	70-130		%Rec	1	6/21/2020 6:50:23 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/21/2020 6:50:23 AM
Surr: BFB	93.7	70-130		%Rec	1	6/21/2020 6:50:23 AM

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2006A23**
Date Reported: **6/26/2020**

CLIENT: Pima Environmental Services LLC
Client Sample ID: S-2 0-6
Project: Vega 29 Fed #1H
Collection Date: 6/17/2020 2:40:00 PM
Lab ID: 2006A23-005 **Matrix:** SOIL
Received Date: 6/19/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	680	91		mg/Kg	10	6/20/2020 8:52:58 PM
Motor Oil Range Organics (MRO)	960	460		mg/Kg	10	6/20/2020 8:52:58 PM
Surr: DNOP	0	55.1-146	S	%Rec	10	6/20/2020 8:52:58 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	390	61		mg/Kg	20	6/23/2020 10:53:38 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**
Benzene	ND	0.025		mg/Kg	1	6/21/2020 7:18:53 AM
Toluene	ND	0.050		mg/Kg	1	6/21/2020 7:18:53 AM
Ethylbenzene	ND	0.050		mg/Kg	1	6/21/2020 7:18:53 AM
Xylenes, Total	ND	0.099		mg/Kg	1	6/21/2020 7:18:53 AM
Surr: 1,2-Dichloroethane-d4	98.4	70-130		%Rec	1	6/21/2020 7:18:53 AM
Surr: 4-Bromofluorobenzene	91.1	70-130		%Rec	1	6/21/2020 7:18:53 AM
Surr: Dibromofluoromethane	104	70-130		%Rec	1	6/21/2020 7:18:53 AM
Surr: Toluene-d8	109	70-130		%Rec	1	6/21/2020 7:18:53 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/21/2020 7:18:53 AM
Surr: BFB	94.8	70-130		%Rec	1	6/21/2020 7:18:53 AM

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

Qualifiers:

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

Analytical Report
Lab Order **2006A23**
Date Reported: **6/26/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC
Client Sample ID: S-2 1
Project: Vega 29 Fed #1H
Collection Date: 6/17/2020 2:42:00 PM
Lab ID: 2006A23-006 **Matrix:** SOIL **Received Date:** 6/19/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	89	9.5		mg/Kg	1	6/21/2020 2:10:27 PM
Motor Oil Range Organics (MRO)	200	47		mg/Kg	1	6/21/2020 2:10:27 PM
Surr: DNOP	133	55.1-146		%Rec	1	6/21/2020 2:10:27 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	ND	60		mg/Kg	20	6/23/2020 11:06:02 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**
Benzene	ND	0.025		mg/Kg	1	6/21/2020 7:47:31 AM
Toluene	ND	0.050		mg/Kg	1	6/21/2020 7:47:31 AM
Ethylbenzene	ND	0.050		mg/Kg	1	6/21/2020 7:47:31 AM
Xylenes, Total	ND	0.10		mg/Kg	1	6/21/2020 7:47:31 AM
Surr: 1,2-Dichloroethane-d4	105	70-130		%Rec	1	6/21/2020 7:47:31 AM
Surr: 4-Bromofluorobenzene	97.4	70-130		%Rec	1	6/21/2020 7:47:31 AM
Surr: Dibromofluoromethane	106	70-130		%Rec	1	6/21/2020 7:47:31 AM
Surr: Toluene-d8	105	70-130		%Rec	1	6/21/2020 7:47:31 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/21/2020 7:47:31 AM
Surr: BFB	95.9	70-130		%Rec	1	6/21/2020 7:47:31 AM

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

Qualifiers:

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

Analytical Report
Lab Order **2006A23**
Date Reported: **6/26/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC
Client Sample ID: S-2 2
Project: Vega 29 Fed #1H
Collection Date: 6/17/2020 2:44:00 PM
Lab ID: 2006A23-007 **Matrix:** SOIL **Received Date:** 6/19/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	6/20/2020 9:13:01 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/20/2020 9:13:01 PM
Surr: DNOP	114	55.1-146		%Rec	1	6/20/2020 9:13:01 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	ND	60		mg/Kg	20	6/23/2020 11:18:27 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**
Benzene	ND	0.025		mg/Kg	1	6/21/2020 8:16:11 AM
Toluene	ND	0.049		mg/Kg	1	6/21/2020 8:16:11 AM
Ethylbenzene	ND	0.049		mg/Kg	1	6/21/2020 8:16:11 AM
Xylenes, Total	ND	0.099		mg/Kg	1	6/21/2020 8:16:11 AM
Surr: 1,2-Dichloroethane-d4	100	70-130		%Rec	1	6/21/2020 8:16:11 AM
Surr: 4-Bromofluorobenzene	92.0	70-130		%Rec	1	6/21/2020 8:16:11 AM
Surr: Dibromofluoromethane	104	70-130		%Rec	1	6/21/2020 8:16:11 AM
Surr: Toluene-d8	106	70-130		%Rec	1	6/21/2020 8:16:11 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/21/2020 8:16:11 AM
Surr: BFB	95.2	70-130		%Rec	1	6/21/2020 8:16:11 AM

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

Qualifiers:

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

Analytical Report
Lab Order **2006A23**
Date Reported: **6/26/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC
Client Sample ID: S-2 3
Project: Vega 29 Fed #1H
Collection Date: 6/17/2020 2:46:00 PM
Lab ID: 2006A23-008 **Matrix:** SOIL **Received Date:** 6/19/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	6/20/2020 9:23:05 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/20/2020 9:23:05 PM
Surr: DNOP	122	55.1-146		%Rec	1	6/20/2020 9:23:05 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	ND	60		mg/Kg	20	6/23/2020 11:30:52 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**
Benzene	ND	0.025		mg/Kg	1	6/21/2020 8:44:40 AM
Toluene	ND	0.049		mg/Kg	1	6/21/2020 8:44:40 AM
Ethylbenzene	ND	0.049		mg/Kg	1	6/21/2020 8:44:40 AM
Xylenes, Total	ND	0.098		mg/Kg	1	6/21/2020 8:44:40 AM
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	1	6/21/2020 8:44:40 AM
Surr: 4-Bromofluorobenzene	91.7	70-130		%Rec	1	6/21/2020 8:44:40 AM
Surr: Dibromofluoromethane	107	70-130		%Rec	1	6/21/2020 8:44:40 AM
Surr: Toluene-d8	107	70-130		%Rec	1	6/21/2020 8:44:40 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/21/2020 8:44:40 AM
Surr: BFB	94.9	70-130		%Rec	1	6/21/2020 8:44:40 AM

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

Qualifiers:

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

Analytical Report
Lab Order **2006A23**
Date Reported: **6/26/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC
Client Sample ID: S-3 0-6
Project: Vega 29 Fed #1H
Collection Date: 6/17/2020 2:50:00 PM
Lab ID: 2006A23-009 **Matrix:** SOIL **Received Date:** 6/19/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	6/20/2020 9:33:07 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/20/2020 9:33:07 PM
Surr: DNOP	65.9	55.1-146		%Rec	1	6/20/2020 9:33:07 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	220	61		mg/Kg	20	6/23/2020 11:43:16 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**
Benzene	ND	0.025		mg/Kg	1	6/21/2020 9:13:21 AM
Toluene	ND	0.049		mg/Kg	1	6/21/2020 9:13:21 AM
Ethylbenzene	ND	0.049		mg/Kg	1	6/21/2020 9:13:21 AM
Xylenes, Total	ND	0.099		mg/Kg	1	6/21/2020 9:13:21 AM
Surr: 1,2-Dichloroethane-d4	99.5	70-130		%Rec	1	6/21/2020 9:13:21 AM
Surr: 4-Bromofluorobenzene	95.3	70-130		%Rec	1	6/21/2020 9:13:21 AM
Surr: Dibromofluoromethane	106	70-130		%Rec	1	6/21/2020 9:13:21 AM
Surr: Toluene-d8	103	70-130		%Rec	1	6/21/2020 9:13:21 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/21/2020 9:13:21 AM
Surr: BFB	95.7	70-130		%Rec	1	6/21/2020 9:13:21 AM

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

Qualifiers:

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

Analytical Report
Lab Order **2006A23**
Date Reported: **6/26/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC
Client Sample ID: S-3 1
Project: Vega 29 Fed #1H
Collection Date: 6/17/2020 2:52:00 PM
Lab ID: 2006A23-010 **Matrix:** SOIL
Received Date: 6/19/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	6/20/2020 9:43:06 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/20/2020 9:43:06 PM
Surr: DNOP	111	55.1-146		%Rec	1	6/20/2020 9:43:06 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	71	60		mg/Kg	20	6/23/2020 11:55:41 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**
Benzene	ND	0.025		mg/Kg	1	6/21/2020 4:40:18 PM
Toluene	ND	0.050		mg/Kg	1	6/21/2020 4:40:18 PM
Ethylbenzene	ND	0.050		mg/Kg	1	6/21/2020 4:40:18 PM
Xylenes, Total	ND	0.10		mg/Kg	1	6/21/2020 4:40:18 PM
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	1	6/21/2020 4:40:18 PM
Surr: 4-Bromofluorobenzene	95.2	70-130		%Rec	1	6/21/2020 4:40:18 PM
Surr: Dibromofluoromethane	109	70-130		%Rec	1	6/21/2020 4:40:18 PM
Surr: Toluene-d8	103	70-130		%Rec	1	6/21/2020 4:40:18 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/21/2020 4:40:18 PM
Surr: BFB	97.4	70-130		%Rec	1	6/21/2020 4:40:18 PM

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

Qualifiers:

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

Analytical Report
Lab Order **2006A23**
Date Reported: **6/26/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC
Client Sample ID: S-3 2
Project: Vega 29 Fed #1H
Collection Date: 6/17/2020 2:54:00 PM
Lab ID: 2006A23-011 **Matrix:** SOIL
Received Date: 6/19/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	6/20/2020 9:53:05 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	6/20/2020 9:53:05 PM
Surr: DNOP	115	55.1-146		%Rec	1	6/20/2020 9:53:05 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	ND	60		mg/Kg	20	6/24/2020 12:08:05 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**
Benzene	ND	0.025		mg/Kg	1	6/21/2020 5:09:06 PM
Toluene	ND	0.049		mg/Kg	1	6/21/2020 5:09:06 PM
Ethylbenzene	ND	0.049		mg/Kg	1	6/21/2020 5:09:06 PM
Xylenes, Total	ND	0.098		mg/Kg	1	6/21/2020 5:09:06 PM
Surr: 1,2-Dichloroethane-d4	105	70-130		%Rec	1	6/21/2020 5:09:06 PM
Surr: 4-Bromofluorobenzene	98.8	70-130		%Rec	1	6/21/2020 5:09:06 PM
Surr: Dibromofluoromethane	107	70-130		%Rec	1	6/21/2020 5:09:06 PM
Surr: Toluene-d8	115	70-130		%Rec	1	6/21/2020 5:09:06 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/21/2020 5:09:06 PM
Surr: BFB	104	70-130		%Rec	1	6/21/2020 5:09:06 PM

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

Qualifiers:

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

Analytical Report
Lab Order **2006A23**
Date Reported: **6/26/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC
Client Sample ID: S-3 3
Project: Vega 29 Fed #1H
Collection Date: 6/17/2020 2:56:00 PM
Lab ID: 2006A23-012 **Matrix:** SOIL **Received Date:** 6/19/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	6/20/2020 10:03:01 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/20/2020 10:03:01 PM
Surr: DNOP	108	55.1-146		%Rec	1	6/20/2020 10:03:01 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	ND	60		mg/Kg	20	6/24/2020 12:20:30 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**
Benzene	ND	0.025		mg/Kg	1	6/21/2020 5:37:55 PM
Toluene	ND	0.050		mg/Kg	1	6/21/2020 5:37:55 PM
Ethylbenzene	ND	0.050		mg/Kg	1	6/21/2020 5:37:55 PM
Xylenes, Total	ND	0.099		mg/Kg	1	6/21/2020 5:37:55 PM
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	1	6/21/2020 5:37:55 PM
Surr: 4-Bromofluorobenzene	97.8	70-130		%Rec	1	6/21/2020 5:37:55 PM
Surr: Dibromofluoromethane	106	70-130		%Rec	1	6/21/2020 5:37:55 PM
Surr: Toluene-d8	106	70-130		%Rec	1	6/21/2020 5:37:55 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/21/2020 5:37:55 PM
Surr: BFB	97.2	70-130		%Rec	1	6/21/2020 5:37:55 PM

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

Qualifiers:

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

Analytical Report
Lab Order **2006A23**
Date Reported: **6/26/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC
Client Sample ID: S-4 0-6'
Project: Vega 29 Fed #1H
Collection Date: 6/17/2020 2:58:00 PM
Lab ID: 2006A23-013 **Matrix:** SOIL
Received Date: 6/19/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	6/20/2020 10:13:03 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/20/2020 10:13:03 PM
Surr: DNOP	93.3	55.1-146		%Rec	1	6/20/2020 10:13:03 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	ND	60		mg/Kg	20	6/24/2020 12:32:55 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**
Benzene	ND	0.025		mg/Kg	1	6/21/2020 6:06:44 PM
Toluene	ND	0.049		mg/Kg	1	6/21/2020 6:06:44 PM
Ethylbenzene	ND	0.049		mg/Kg	1	6/21/2020 6:06:44 PM
Xylenes, Total	ND	0.098		mg/Kg	1	6/21/2020 6:06:44 PM
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	1	6/21/2020 6:06:44 PM
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	6/21/2020 6:06:44 PM
Surr: Dibromofluoromethane	108	70-130		%Rec	1	6/21/2020 6:06:44 PM
Surr: Toluene-d8	115	70-130		%Rec	1	6/21/2020 6:06:44 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/21/2020 6:06:44 PM
Surr: BFB	107	70-130		%Rec	1	6/21/2020 6:06:44 PM

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

Qualifiers:

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

Analytical Report
Lab Order **2006A23**
Date Reported: **6/26/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC
Client Sample ID: S-4 1'
Project: Vega 29 Fed #1H
Collection Date: 6/17/2020 3:00:00 PM
Lab ID: 2006A23-014 **Matrix:** SOIL
Received Date: 6/19/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	6/20/2020 10:23:02 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/20/2020 10:23:02 PM
Surr: DNOP	102	55.1-146		%Rec	1	6/20/2020 10:23:02 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	ND	60		mg/Kg	20	6/24/2020 1:10:07 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**
Benzene	ND	0.025		mg/Kg	1	6/21/2020 6:35:35 PM
Toluene	ND	0.049		mg/Kg	1	6/21/2020 6:35:35 PM
Ethylbenzene	ND	0.049		mg/Kg	1	6/21/2020 6:35:35 PM
Xylenes, Total	ND	0.099		mg/Kg	1	6/21/2020 6:35:35 PM
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	1	6/21/2020 6:35:35 PM
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	6/21/2020 6:35:35 PM
Surr: Dibromofluoromethane	112	70-130		%Rec	1	6/21/2020 6:35:35 PM
Surr: Toluene-d8	103	70-130		%Rec	1	6/21/2020 6:35:35 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/21/2020 6:35:35 PM
Surr: BFB	98.7	70-130		%Rec	1	6/21/2020 6:35:35 PM

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

Qualifiers:

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

Analytical Report
Lab Order **2006A23**
Date Reported: **6/26/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC
Client Sample ID: S-4 2'
Project: Vega 29 Fed #1H
Collection Date: 6/17/2020 3:02:00 PM
Lab ID: 2006A23-015 **Matrix:** SOIL **Received Date:** 6/19/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	6/20/2020 10:32:59 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/20/2020 10:32:59 PM
Surr: DNOP	93.6	55.1-146		%Rec	1	6/20/2020 10:32:59 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	ND	60		mg/Kg	20	6/24/2020 1:22:32 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**
Benzene	ND	0.025		mg/Kg	1	6/21/2020 7:04:22 PM
Toluene	ND	0.049		mg/Kg	1	6/21/2020 7:04:22 PM
Ethylbenzene	ND	0.049		mg/Kg	1	6/21/2020 7:04:22 PM
Xylenes, Total	ND	0.098		mg/Kg	1	6/21/2020 7:04:22 PM
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	1	6/21/2020 7:04:22 PM
Surr: 4-Bromofluorobenzene	93.7	70-130		%Rec	1	6/21/2020 7:04:22 PM
Surr: Dibromofluoromethane	106	70-130		%Rec	1	6/21/2020 7:04:22 PM
Surr: Toluene-d8	112	70-130		%Rec	1	6/21/2020 7:04:22 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/21/2020 7:04:22 PM
Surr: BFB	99.7	70-130		%Rec	1	6/21/2020 7:04:22 PM

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

Qualifiers:

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

Analytical Report
Lab Order **2006A23**
Date Reported: **6/26/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC
Client Sample ID: S-4 3'
Project: Vega 29 Fed #1H
Collection Date: 6/17/2020 3:04:00 PM
Lab ID: 2006A23-016 **Matrix:** SOIL
Received Date: 6/19/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	6/20/2020 10:43:04 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/20/2020 10:43:04 PM
Surr: DNOP	113	55.1-146		%Rec	1	6/20/2020 10:43:04 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	ND	60		mg/Kg	20	6/24/2020 1:34:56 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**
Benzene	ND	0.025		mg/Kg	1	6/21/2020 7:33:07 PM
Toluene	ND	0.050		mg/Kg	1	6/21/2020 7:33:07 PM
Ethylbenzene	ND	0.050		mg/Kg	1	6/21/2020 7:33:07 PM
Xylenes, Total	ND	0.10		mg/Kg	1	6/21/2020 7:33:07 PM
Surr: 1,2-Dichloroethane-d4	109	70-130		%Rec	1	6/21/2020 7:33:07 PM
Surr: 4-Bromofluorobenzene	95.1	70-130		%Rec	1	6/21/2020 7:33:07 PM
Surr: Dibromofluoromethane	106	70-130		%Rec	1	6/21/2020 7:33:07 PM
Surr: Toluene-d8	106	70-130		%Rec	1	6/21/2020 7:33:07 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/21/2020 7:33:07 PM
Surr: BFB	97.2	70-130		%Rec	1	6/21/2020 7:33:07 PM

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

Qualifiers:

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

Analytical Report
Lab Order **2006A23**
Date Reported: **6/26/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC
Client Sample ID: S-5 0-6'
Project: Vega 29 Fed #1H
Collection Date: 6/17/2020 3:06:00 PM
Lab ID: 2006A23-017 **Matrix:** SOIL
Received Date: 6/19/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	6/20/2020 11:43:33 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/20/2020 11:43:33 PM
Surr: DNOP	41.2	55.1-146	S	%Rec	1	6/20/2020 11:43:33 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	82	60		mg/Kg	20	6/24/2020 1:47:21 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**
Benzene	ND	0.025		mg/Kg	1	6/21/2020 8:01:50 PM
Toluene	ND	0.050		mg/Kg	1	6/21/2020 8:01:50 PM
Ethylbenzene	ND	0.050		mg/Kg	1	6/21/2020 8:01:50 PM
Xylenes, Total	ND	0.10		mg/Kg	1	6/21/2020 8:01:50 PM
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	1	6/21/2020 8:01:50 PM
Surr: 4-Bromofluorobenzene	95.7	70-130		%Rec	1	6/21/2020 8:01:50 PM
Surr: Dibromofluoromethane	104	70-130		%Rec	1	6/21/2020 8:01:50 PM
Surr: Toluene-d8	112	70-130		%Rec	1	6/21/2020 8:01:50 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/21/2020 8:01:50 PM
Surr: BFB	104	70-130		%Rec	1	6/21/2020 8:01:50 PM

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

Qualifiers:

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

Analytical Report
Lab Order **2006A23**
Date Reported: **6/26/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC
Client Sample ID: S-5 1'
Project: Vega 29 Fed #1H
Collection Date: 6/17/2020 3:08:00 PM
Lab ID: 2006A23-018 **Matrix:** SOIL
Received Date: 6/19/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	6/21/2020 12:14:01 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/21/2020 12:14:01 AM
Surr: DNOP	95.9	55.1-146		%Rec	1	6/21/2020 12:14:01 AM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	ND	60		mg/Kg	20	6/24/2020 1:59:45 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**
Benzene	ND	0.024		mg/Kg	1	6/21/2020 8:30:30 PM
Toluene	ND	0.049		mg/Kg	1	6/21/2020 8:30:30 PM
Ethylbenzene	ND	0.049		mg/Kg	1	6/21/2020 8:30:30 PM
Xylenes, Total	ND	0.098		mg/Kg	1	6/21/2020 8:30:30 PM
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	1	6/21/2020 8:30:30 PM
Surr: 4-Bromofluorobenzene	93.6	70-130		%Rec	1	6/21/2020 8:30:30 PM
Surr: Dibromofluoromethane	109	70-130		%Rec	1	6/21/2020 8:30:30 PM
Surr: Toluene-d8	110	70-130		%Rec	1	6/21/2020 8:30:30 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/21/2020 8:30:30 PM
Surr: BFB	104	70-130		%Rec	1	6/21/2020 8:30:30 PM

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

Qualifiers:

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

Analytical Report
Lab Order **2006A23**
Date Reported: **6/26/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC
Client Sample ID: S-5 2'
Project: Vega 29 Fed #1H
Collection Date: 6/17/2020 3:10:00 PM
Lab ID: 2006A23-019 **Matrix:** SOIL
Received Date: 6/19/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	6/21/2020 12:24:15 AM
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	6/21/2020 12:24:15 AM
Surr: DNOP	98.2	55.1-146		%Rec	1	6/21/2020 12:24:15 AM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	ND	60		mg/Kg	20	6/24/2020 2:12:10 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**
Benzene	ND	0.024		mg/Kg	1	6/21/2020 8:59:08 PM
Toluene	ND	0.048		mg/Kg	1	6/21/2020 8:59:08 PM
Ethylbenzene	ND	0.048		mg/Kg	1	6/21/2020 8:59:08 PM
Xylenes, Total	ND	0.097		mg/Kg	1	6/21/2020 8:59:08 PM
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	1	6/21/2020 8:59:08 PM
Surr: 4-Bromofluorobenzene	94.5	70-130		%Rec	1	6/21/2020 8:59:08 PM
Surr: Dibromofluoromethane	112	70-130		%Rec	1	6/21/2020 8:59:08 PM
Surr: Toluene-d8	108	70-130		%Rec	1	6/21/2020 8:59:08 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/21/2020 8:59:08 PM
Surr: BFB	94.5	70-130		%Rec	1	6/21/2020 8:59:08 PM

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

Qualifiers:

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

Analytical Report
Lab Order **2006A23**
Date Reported: **6/26/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC
Client Sample ID: S-5 3'
Project: Vega 29 Fed #1H
Collection Date: 6/17/2020 3:12:00 PM
Lab ID: 2006A23-020 **Matrix:** SOIL
Received Date: 6/19/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	6/21/2020 12:34:25 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/21/2020 12:34:25 AM
Surr: DNOP	103	55.1-146		%Rec	1	6/21/2020 12:34:25 AM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	ND	60		mg/Kg	20	6/24/2020 2:24:35 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **JMR**
Benzene	ND	0.025		mg/Kg	1	6/21/2020 9:27:44 PM
Toluene	ND	0.050		mg/Kg	1	6/21/2020 9:27:44 PM
Ethylbenzene	ND	0.050		mg/Kg	1	6/21/2020 9:27:44 PM
Xylenes, Total	ND	0.099		mg/Kg	1	6/21/2020 9:27:44 PM
Surr: 1,2-Dichloroethane-d4	107	70-130		%Rec	1	6/21/2020 9:27:44 PM
Surr: 4-Bromofluorobenzene	97.3	70-130		%Rec	1	6/21/2020 9:27:44 PM
Surr: Dibromofluoromethane	101	70-130		%Rec	1	6/21/2020 9:27:44 PM
Surr: Toluene-d8	108	70-130		%Rec	1	6/21/2020 9:27:44 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **JMR**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/21/2020 9:27:44 PM
Surr: BFB	97.5	70-130		%Rec	1	6/21/2020 9:27:44 PM

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

Qualifiers:

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

Analytical Report
Lab Order **2006A23**
Date Reported: **6/26/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC
Client Sample ID: S-6 0-6'
Project: Vega 29 Fed #1H
Collection Date: 6/17/2020 3:14:00 PM
Lab ID: 2006A23-021 **Matrix:** SOIL
Received Date: 6/19/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	270	97		mg/Kg	10	6/21/2020 12:44:44 AM
Motor Oil Range Organics (MRO)	670	480		mg/Kg	10	6/21/2020 12:44:44 AM
Surr: DNOP	0	55.1-146	S	%Rec	10	6/21/2020 12:44:44 AM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	ND	60		mg/Kg	20	6/24/2020 11:57:27 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**
Benzene	ND	0.024		mg/Kg	1	6/21/2020 6:06:39 PM
Toluene	ND	0.049		mg/Kg	1	6/21/2020 6:06:39 PM
Ethylbenzene	ND	0.049		mg/Kg	1	6/21/2020 6:06:39 PM
Xylenes, Total	ND	0.098		mg/Kg	1	6/21/2020 6:06:39 PM
Surr: 1,2-Dichloroethane-d4	95.8	70-130		%Rec	1	6/21/2020 6:06:39 PM
Surr: 4-Bromofluorobenzene	97.4	70-130		%Rec	1	6/21/2020 6:06:39 PM
Surr: Dibromofluoromethane	93.9	70-130		%Rec	1	6/21/2020 6:06:39 PM
Surr: Toluene-d8	98.9	70-130		%Rec	1	6/21/2020 6:06:39 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/21/2020 6:06:39 PM
Surr: BFB	105	70-130		%Rec	1	6/21/2020 6:06:39 PM

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

Qualifiers:

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

Analytical Report
Lab Order **2006A23**
Date Reported: **6/26/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC
Client Sample ID: S-6 1'
Project: Vega 29 Fed #1H
Collection Date: 6/17/2020 3:16:00 PM
Lab ID: 2006A23-022 **Matrix:** SOIL **Received Date:** 6/19/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**
Diesel Range Organics (DRO)	31	9.9		mg/Kg	1	6/25/2020 9:43:31 AM
Motor Oil Range Organics (MRO)	78	49		mg/Kg	1	6/25/2020 9:43:31 AM
Surr: DNOP	115	55.1-146		%Rec	1	6/25/2020 9:43:31 AM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	110	60		mg/Kg	20	6/24/2020 12:34:29 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**
Benzene	ND	0.025		mg/Kg	1	6/21/2020 7:37:03 PM
Toluene	ND	0.050		mg/Kg	1	6/21/2020 7:37:03 PM
Ethylbenzene	ND	0.050		mg/Kg	1	6/21/2020 7:37:03 PM
Xylenes, Total	ND	0.099		mg/Kg	1	6/21/2020 7:37:03 PM
Surr: 1,2-Dichloroethane-d4	96.1	70-130		%Rec	1	6/21/2020 7:37:03 PM
Surr: 4-Bromofluorobenzene	96.1	70-130		%Rec	1	6/21/2020 7:37:03 PM
Surr: Dibromofluoromethane	94.6	70-130		%Rec	1	6/21/2020 7:37:03 PM
Surr: Toluene-d8	102	70-130		%Rec	1	6/21/2020 7:37:03 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/21/2020 7:37:03 PM
Surr: BFB	105	70-130		%Rec	1	6/21/2020 7:37:03 PM

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

Qualifiers:

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

Analytical Report
Lab Order **2006A23**
Date Reported: **6/26/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC
Client Sample ID: S-6 2'
Project: Vega 29 Fed #1H
Collection Date: 6/17/2020 3:18:00 PM
Lab ID: 2006A23-023 **Matrix:** SOIL **Received Date:** 6/19/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	110	47		mg/Kg	5	6/21/2020 2:30:51 PM
Motor Oil Range Organics (MRO)	300	240		mg/Kg	5	6/21/2020 2:30:51 PM
Surr: DNOP	108	55.1-146		%Rec	5	6/21/2020 2:30:51 PM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	190	60		mg/Kg	20	6/24/2020 1:36:12 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**
Benzene	ND	0.025		mg/Kg	1	6/21/2020 9:06:36 PM
Toluene	ND	0.050		mg/Kg	1	6/21/2020 9:06:36 PM
Ethylbenzene	ND	0.050		mg/Kg	1	6/21/2020 9:06:36 PM
Xylenes, Total	ND	0.099		mg/Kg	1	6/21/2020 9:06:36 PM
Surr: 1,2-Dichloroethane-d4	99.9	70-130		%Rec	1	6/21/2020 9:06:36 PM
Surr: 4-Bromofluorobenzene	97.4	70-130		%Rec	1	6/21/2020 9:06:36 PM
Surr: Dibromofluoromethane	98.7	70-130		%Rec	1	6/21/2020 9:06:36 PM
Surr: Toluene-d8	99.8	70-130		%Rec	1	6/21/2020 9:06:36 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/21/2020 9:06:36 PM
Surr: BFB	107	70-130		%Rec	1	6/21/2020 9:06:36 PM

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

Qualifiers:

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

Analytical Report
Lab Order **2006A23**
Date Reported: **6/26/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC
Client Sample ID: S-6 3'
Project: Vega 29 Fed #1H
Collection Date: 6/17/2020 3:20:00 PM
Lab ID: 2006A23-024 **Matrix:** SOIL
Received Date: 6/19/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	6/21/2020 1:16:06 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/21/2020 1:16:06 AM
Surr: DNOP	145	55.1-146		%Rec	1	6/21/2020 1:16:06 AM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	310	60		mg/Kg	20	6/24/2020 1:48:32 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**
Benzene	ND	0.025		mg/Kg	1	6/21/2020 9:36:12 PM
Toluene	ND	0.049		mg/Kg	1	6/21/2020 9:36:12 PM
Ethylbenzene	ND	0.049		mg/Kg	1	6/21/2020 9:36:12 PM
Xylenes, Total	ND	0.099		mg/Kg	1	6/21/2020 9:36:12 PM
Surr: 1,2-Dichloroethane-d4	97.6	70-130		%Rec	1	6/21/2020 9:36:12 PM
Surr: 4-Bromofluorobenzene	99.0	70-130		%Rec	1	6/21/2020 9:36:12 PM
Surr: Dibromofluoromethane	97.0	70-130		%Rec	1	6/21/2020 9:36:12 PM
Surr: Toluene-d8	100	70-130		%Rec	1	6/21/2020 9:36:12 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/21/2020 9:36:12 PM
Surr: BFB	108	70-130		%Rec	1	6/21/2020 9:36:12 PM

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

Qualifiers:

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

Analytical Report
Lab Order **2006A23**
Date Reported: **6/26/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC
Client Sample ID: BG-1
Project: Vega 29 Fed #1H
Collection Date: 6/17/2020 3:22:00 PM
Lab ID: 2006A23-025 **Matrix:** SOIL
Received Date: 6/19/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	6/21/2020 1:26:34 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/21/2020 1:26:34 AM
Surr: DNOP	108	55.1-146		%Rec	1	6/21/2020 1:26:34 AM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	ND	61		mg/Kg	20	6/24/2020 2:00:53 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**
Benzene	ND	0.025		mg/Kg	1	6/22/2020 12:03:11 AM
Toluene	ND	0.049		mg/Kg	1	6/22/2020 12:03:11 AM
Ethylbenzene	ND	0.049		mg/Kg	1	6/22/2020 12:03:11 AM
Xylenes, Total	ND	0.099		mg/Kg	1	6/22/2020 12:03:11 AM
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	1	6/22/2020 12:03:11 AM
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	6/22/2020 12:03:11 AM
Surr: Dibromofluoromethane	96.6	70-130		%Rec	1	6/22/2020 12:03:11 AM
Surr: Toluene-d8	102	70-130		%Rec	1	6/22/2020 12:03:11 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/22/2020 12:03:11 AM
Surr: BFB	105	70-130		%Rec	1	6/22/2020 12:03:11 AM

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

Qualifiers:

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

Analytical Report
Lab Order **2006A23**
Date Reported: **6/26/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC
Client Sample ID: BG-2
Project: Vega 29 Fed #1H
Collection Date: 6/17/2020 3:24:00 PM
Lab ID: 2006A23-026 **Matrix:** SOIL
Received Date: 6/19/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	6/21/2020 1:36:55 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/21/2020 1:36:55 AM
Surr: DNOP	79.7	55.1-146		%Rec	1	6/21/2020 1:36:55 AM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	ND	60		mg/Kg	20	6/24/2020 2:13:13 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**
Benzene	ND	0.025		mg/Kg	1	6/22/2020 12:32:29 AM
Toluene	ND	0.050		mg/Kg	1	6/22/2020 12:32:29 AM
Ethylbenzene	ND	0.050		mg/Kg	1	6/22/2020 12:32:29 AM
Xylenes, Total	ND	0.10		mg/Kg	1	6/22/2020 12:32:29 AM
Surr: 1,2-Dichloroethane-d4	99.2	70-130		%Rec	1	6/22/2020 12:32:29 AM
Surr: 4-Bromofluorobenzene	99.9	70-130		%Rec	1	6/22/2020 12:32:29 AM
Surr: Dibromofluoromethane	99.5	70-130		%Rec	1	6/22/2020 12:32:29 AM
Surr: Toluene-d8	98.4	70-130		%Rec	1	6/22/2020 12:32:29 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/22/2020 12:32:29 AM
Surr: BFB	103	70-130		%Rec	1	6/22/2020 12:32:29 AM

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

Qualifiers:

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

Analytical Report
Lab Order **2006A23**
Date Reported: **6/26/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC
Client Sample ID: BG-3
Project: Vega 29 Fed #1H
Collection Date: 6/17/2020 3:26:00 PM
Lab ID: 2006A23-027 **Matrix:** SOIL
Received Date: 6/19/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	6/21/2020 1:47:20 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/21/2020 1:47:20 AM
Surr: DNOP	108	55.1-146		%Rec	1	6/21/2020 1:47:20 AM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	ND	60		mg/Kg	20	6/24/2020 2:25:34 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**
Benzene	ND	0.025		mg/Kg	1	6/22/2020 1:01:47 AM
Toluene	ND	0.050		mg/Kg	1	6/22/2020 1:01:47 AM
Ethylbenzene	ND	0.050		mg/Kg	1	6/22/2020 1:01:47 AM
Xylenes, Total	ND	0.10		mg/Kg	1	6/22/2020 1:01:47 AM
Surr: 1,2-Dichloroethane-d4	95.2	70-130		%Rec	1	6/22/2020 1:01:47 AM
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	6/22/2020 1:01:47 AM
Surr: Dibromofluoromethane	95.3	70-130		%Rec	1	6/22/2020 1:01:47 AM
Surr: Toluene-d8	98.2	70-130		%Rec	1	6/22/2020 1:01:47 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/22/2020 1:01:47 AM
Surr: BFB	105	70-130		%Rec	1	6/22/2020 1:01:47 AM

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

Qualifiers:

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

Analytical Report
Lab Order **2006A23**
Date Reported: **6/26/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC
Client Sample ID: BG-4
Project: Vega 29 Fed #1H
Collection Date: 6/17/2020 3:28:00 PM
Lab ID: 2006A23-028 **Matrix:** SOIL
Received Date: 6/19/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	6/21/2020 1:57:42 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/21/2020 1:57:42 AM
Surr: DNOP	180	55.1-146	S	%Rec	1	6/21/2020 1:57:42 AM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	ND	60		mg/Kg	20	6/24/2020 2:37:56 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**
Benzene	ND	0.025		mg/Kg	1	6/22/2020 1:31:11 AM
Toluene	ND	0.050		mg/Kg	1	6/22/2020 1:31:11 AM
Ethylbenzene	ND	0.050		mg/Kg	1	6/22/2020 1:31:11 AM
Xylenes, Total	ND	0.099		mg/Kg	1	6/22/2020 1:31:11 AM
Surr: 1,2-Dichloroethane-d4	98.1	70-130		%Rec	1	6/22/2020 1:31:11 AM
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	6/22/2020 1:31:11 AM
Surr: Dibromofluoromethane	99.2	70-130		%Rec	1	6/22/2020 1:31:11 AM
Surr: Toluene-d8	101	70-130		%Rec	1	6/22/2020 1:31:11 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/22/2020 1:31:11 AM
Surr: BFB	109	70-130		%Rec	1	6/22/2020 1:31:11 AM

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

Qualifiers:

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

Analytical Report
Lab Order **2006A23**
Date Reported: **6/26/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC
Client Sample ID: BG-5
Project: Vega 29 Fed #1H
Collection Date: 6/17/2020 3:30:00 PM
Lab ID: 2006A23-029 **Matrix:** SOIL **Received Date:** 6/19/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	6/21/2020 2:08:02 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/21/2020 2:08:02 AM
Surr: DNOP	120	55.1-146		%Rec	1	6/21/2020 2:08:02 AM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	ND	60		mg/Kg	20	6/24/2020 2:50:17 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**
Benzene	ND	0.024		mg/Kg	1	6/22/2020 2:00:31 AM
Toluene	ND	0.049		mg/Kg	1	6/22/2020 2:00:31 AM
Ethylbenzene	ND	0.049		mg/Kg	1	6/22/2020 2:00:31 AM
Xylenes, Total	ND	0.097		mg/Kg	1	6/22/2020 2:00:31 AM
Surr: 1,2-Dichloroethane-d4	98.3	70-130		%Rec	1	6/22/2020 2:00:31 AM
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	6/22/2020 2:00:31 AM
Surr: Dibromofluoromethane	97.8	70-130		%Rec	1	6/22/2020 2:00:31 AM
Surr: Toluene-d8	104	70-130		%Rec	1	6/22/2020 2:00:31 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/22/2020 2:00:31 AM
Surr: BFB	109	70-130		%Rec	1	6/22/2020 2:00:31 AM

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

Qualifiers:

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

Analytical Report
Lab Order **2006A23**
Date Reported: **6/26/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC
Client Sample ID: BG-6
Project: Vega 29 Fed #1H
Collection Date: 6/17/2020 3:32:00 PM
Lab ID: 2006A23-030 **Matrix:** SOIL
Received Date: 6/19/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	6/21/2020 2:18:23 AM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/21/2020 2:18:23 AM
Surr: DNOP	52.3	55.1-146	S	%Rec	1	6/21/2020 2:18:23 AM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	ND	60		mg/Kg	20	6/24/2020 3:02:37 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**
Benzene	ND	0.025		mg/Kg	1	6/22/2020 2:30:07 AM
Toluene	ND	0.049		mg/Kg	1	6/22/2020 2:30:07 AM
Ethylbenzene	ND	0.049		mg/Kg	1	6/22/2020 2:30:07 AM
Xylenes, Total	ND	0.099		mg/Kg	1	6/22/2020 2:30:07 AM
Surr: 1,2-Dichloroethane-d4	93.9	70-130		%Rec	1	6/22/2020 2:30:07 AM
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	6/22/2020 2:30:07 AM
Surr: Dibromofluoromethane	95.8	70-130		%Rec	1	6/22/2020 2:30:07 AM
Surr: Toluene-d8	102	70-130		%Rec	1	6/22/2020 2:30:07 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/22/2020 2:30:07 AM
Surr: BFB	108	70-130		%Rec	1	6/22/2020 2:30:07 AM

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

Qualifiers:

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

Analytical Report
Lab Order **2006A23**
Date Reported: **6/26/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Pima Environmental Services LLC
Client Sample ID: BG-7
Project: Vega 29 Fed #1H
Collection Date: 6/17/2020 3:34:00 PM
Lab ID: 2006A23-031 **Matrix:** SOIL
Received Date: 6/19/2020 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	6/21/2020 2:28:39 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/21/2020 2:28:39 AM
Surr: DNOP	82.0	55.1-146		%Rec	1	6/21/2020 2:28:39 AM
EPA METHOD 300.0: ANIONS						Analyst: **MRA**
Chloride	ND	60		mg/Kg	20	6/24/2020 3:39:39 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **DJF**
Benzene	ND	0.025		mg/Kg	1	6/22/2020 2:59:26 AM
Toluene	ND	0.050		mg/Kg	1	6/22/2020 2:59:26 AM
Ethylbenzene	ND	0.050		mg/Kg	1	6/22/2020 2:59:26 AM
Xylenes, Total	ND	0.10		mg/Kg	1	6/22/2020 2:59:26 AM
Surr: 1,2-Dichloroethane-d4	98.3	70-130		%Rec	1	6/22/2020 2:59:26 AM
Surr: 4-Bromofluorobenzene	99.8	70-130		%Rec	1	6/22/2020 2:59:26 AM
Surr: Dibromofluoromethane	96.5	70-130		%Rec	1	6/22/2020 2:59:26 AM
Surr: Toluene-d8	100	70-130		%Rec	1	6/22/2020 2:59:26 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **DJF**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/22/2020 2:59:26 AM
Surr: BFB	107	70-130		%Rec	1	6/22/2020 2:59:26 AM

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

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2006A23**

26-Jun-20

Client: Pima Environmental Services LLC

Project: Vega 29 Fed #1H

Sample ID: **MB-53256**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **53256**	RunNo: **69850**							
Prep Date: **6/23/2020**	Analysis Date: **6/23/2020**	SeqNo: **2425660**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-53256**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **53256**	RunNo: **69850**							
Prep Date: **6/23/2020**	Analysis Date: **6/23/2020**	SeqNo: **2425661**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.4	90	110			

Sample ID: **MB-53275**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **53275**	RunNo: **69865**							
Prep Date: **6/24/2020**	Analysis Date: **6/24/2020**	SeqNo: **2426931**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-53275**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **53275**	RunNo: **69865**							
Prep Date: **6/24/2020**	Analysis Date: **6/24/2020**	SeqNo: **2426932**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.2	90	110			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2006A23**

26-Jun-20

Client: Pima Environmental Services LLC

Project: Vega 29 Fed #1H

Sample ID: **2006A23-017AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **S-5 0-6'**	Batch ID: **53187**	RunNo: **69768**
Prep Date: **6/19/2020**	Analysis Date: **6/20/2020**	SeqNo: **2422417** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	9.8	48.88	0	90.1	47.4	136			
Surr: DNOP	4.0		4.888		81.7	55.1	146			

Sample ID: **2006A23-017AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **S-5 0-6'**	Batch ID: **53187**	RunNo: **69768**
Prep Date: **6/19/2020**	Analysis Date: **6/21/2020**	SeqNo: **2422418** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	25	9.7	48.50	0	52.2	47.4	136	54.0	43.4	R
Surr: DNOP	2.2		4.850		45.3	55.1	146	0	0	S

Sample ID: **LCS-53184**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **53184**	RunNo: **69768**
Prep Date: **6/19/2020**	Analysis Date: **6/20/2020**	SeqNo: **2422439** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	61	10	50.00	0	123	70	130			
Surr: DNOP	6.4		5.000		128	55.1	146			

Sample ID: **LCS-53187**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **53187**	RunNo: **69768**
Prep Date: **6/19/2020**	Analysis Date: **6/20/2020**	SeqNo: **2422440** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	59	10	50.00	0	119	70	130			
Surr: DNOP	6.5		5.000		131	55.1	146			

Sample ID: **MB-53184**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **53184**	RunNo: **69768**
Prep Date: **6/19/2020**	Analysis Date: **6/20/2020**	SeqNo: **2422442** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	14		10.00		137	55.1	146			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2006A23**

26-Jun-20

Client: Pima Environmental Services LLC

Project: Vega 29 Fed #1H

Sample ID: **MB-53187**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **53187**	RunNo: **69768**
Prep Date: **6/19/2020**	Analysis Date: **6/20/2020**	SeqNo: **2422443** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	12		10.00		115	55.1	146			

Sample ID: **MB-53273**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **53273**	RunNo: **69876**
Prep Date: **6/24/2020**	Analysis Date: **6/25/2020**	SeqNo: **2426530** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	12		10.00		116	55.1	146			

Sample ID: **LCS-53273**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **53273**	RunNo: **69876**
Prep Date: **6/24/2020**	Analysis Date: **6/25/2020**	SeqNo: **2426555** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	61	10	50.00	0	123	70	130			
Surr: DNOP	5.9		5.000		118	55.1	146			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2006A23**

26-Jun-20

Client: Pima Environmental Services LLC

Project: Vega 29 Fed #1H

Sample ID: **mb-53180**	SampType: **MBLK**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **PBS**	Batch ID: **53180**	RunNo: **69776**
Prep Date: **6/19/2020**	Analysis Date: **6/21/2020**	SeqNo: **2422539** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.50		0.5000		99.7	70	130			
Surr: 4-Bromofluorobenzene	0.45		0.5000		90.0	70	130			
Surr: Dibromofluoromethane	0.53		0.5000		107	70	130			
Surr: Toluene-d8	0.50		0.5000		101	70	130			

Sample ID: **lcs-53180**	SampType: **LCS4**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **BatchQC**	Batch ID: **53180**	RunNo: **69776**
Prep Date: **6/19/2020**	Analysis Date: **6/20/2020**	SeqNo: **2422540** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	109	80	120			
Toluene	1.0	0.050	1.000	0	105	80	120			
Ethylbenzene	1.1	0.050	1.000	0	107	80	120			
Xylenes, Total	3.3	0.10	3.000	0	110	80	120			
Surr: 1,2-Dichloroethane-d4	0.51		0.5000		103	70	130			
Surr: 4-Bromofluorobenzene	0.45		0.5000		90.4	70	130			
Surr: Dibromofluoromethane	0.52		0.5000		105	70	130			
Surr: Toluene-d8	0.54		0.5000		107	70	130			

Sample ID: **2006A23-001AMS**	SampType: **MS4**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **S-1 0-1**	Batch ID: **53180**	RunNo: **69776**
Prep Date: **6/19/2020**	Analysis Date: **6/21/2020**	SeqNo: **2422542** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.024	0.9766	0	114	71.1	115			
Toluene	1.2	0.049	0.9766	0	119	79.6	132			
Ethylbenzene	1.2	0.049	0.9766	0	122	83.8	134			
Xylenes, Total	3.7	0.098	2.930	0	127	82.4	132			
Surr: 1,2-Dichloroethane-d4	0.49		0.4883		101	70	130			
Surr: 4-Bromofluorobenzene	0.45		0.4883		92.6	70	130			
Surr: Dibromofluoromethane	0.49		0.4883		101	70	130			
Surr: Toluene-d8	0.51		0.4883		104	70	130			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2006A23**

26-Jun-20

Client: Pima Environmental Services LLC

Project: Vega 29 Fed #1H

Sample ID: **2006A23-001AMSD** SampType: **MSD4** TestCode: **EPA Method 8260B: Volatiles Short List**

Client ID: **S-1 0-1** Batch ID: **53180** RunNo: **69776**

Prep Date: **6/19/2020** Analysis Date: **6/21/2020** SeqNo: **2422543** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	0.9960	0	108	71.1	115	3.16	20	
Toluene	1.1	0.050	0.9960	0	113	79.6	132	2.62	20	
Ethylbenzene	1.2	0.050	0.9960	0	116	83.8	134	2.94	20	
Xylenes, Total	3.6	0.10	2.988	0	122	82.4	132	2.54	20	
Surr: 1,2-Dichloroethane-d4	0.48		0.4980		97.2	70	130	0	0	
Surr: 4-Bromofluorobenzene	0.45		0.4980		90.1	70	130	0	0	
Surr: Dibromofluoromethane	0.52		0.4980		105	70	130	0	0	
Surr: Toluene-d8	0.51		0.4980		102	70	130	0	0	

Sample ID: **mb-53183** SampType: **MBLK** TestCode: **EPA Method 8260B: Volatiles Short List**

Client ID: **PBS** Batch ID: **53183** RunNo: **69787**

Prep Date: **6/19/2020** Analysis Date: **6/21/2020** SeqNo: **2423069** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.49		0.5000		97.8	70	130			
Surr: 4-Bromofluorobenzene	0.51		0.5000		103	70	130			
Surr: Dibromofluoromethane	0.47		0.5000		94.8	70	130			
Surr: Toluene-d8	0.50		0.5000		100	70	130			

Sample ID: **lcs-53183** SampType: **LCS4** TestCode: **EPA Method 8260B: Volatiles Short List**

Client ID: **BatchQC** Batch ID: **53183** RunNo: **69787**

Prep Date: **6/19/2020** Analysis Date: **6/21/2020** SeqNo: **2423070** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.025	1.000	0	97.4	80	120			
Toluene	1.1	0.050	1.000	0	106	80	120			
Ethylbenzene	1.1	0.050	1.000	0	110	80	120			
Xylenes, Total	3.2	0.10	3.000	0	106	80	120			
Surr: 1,2-Dichloroethane-d4	0.50		0.5000		101	70	130			
Surr: 4-Bromofluorobenzene	0.48		0.5000		96.3	70	130			
Surr: Dibromofluoromethane	0.51		0.5000		101	70	130			
Surr: Toluene-d8	0.50		0.5000		99.4	70	130			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2006A23**

26-Jun-20

Client: Pima Environmental Services LLC

Project: Vega 29 Fed #1H

Sample ID: **2006a23-021ams** SampType: **MS4** TestCode: **EPA Method 8260B: Volatiles Short List**

Client ID: **S-6 0-6'** Batch ID: **53183** RunNo: **69787**

Prep Date: **6/19/2020** Analysis Date: **6/21/2020** SeqNo: **2423086** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	0.9901	0	105	71.1	115			
Toluene	1.2	0.050	0.9901	0	117	79.6	132			
Ethylbenzene	1.2	0.050	0.9901	0	124	83.8	134			
Xylenes, Total	3.6	0.099	2.970	0	120	82.4	132			
Surr: 1,2-Dichloroethane-d4	0.47		0.4950		94.0	70	130			
Surr: 4-Bromofluorobenzene	0.51		0.4950		103	70	130			
Surr: Dibromofluoromethane	0.46		0.4950		92.8	70	130			
Surr: Toluene-d8	0.49		0.4950		99.7	70	130			

Sample ID: **2006a23-021amsd** SampType: **MSD4** TestCode: **EPA Method 8260B: Volatiles Short List**

Client ID: **S-6 0-6'** Batch ID: **53183** RunNo: **69787**

Prep Date: **6/19/2020** Analysis Date: **6/21/2020** SeqNo: **2423092** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	0.9891	0	101	71.1	115	3.80	20	
Toluene	1.1	0.049	0.9891	0	115	79.6	132	2.47	20	
Ethylbenzene	1.2	0.049	0.9891	0	122	83.8	134	1.90	20	
Xylenes, Total	3.5	0.099	2.967	0	118	82.4	132	1.84	20	
Surr: 1,2-Dichloroethane-d4	0.46		0.4946		93.1	70	130	0	0	
Surr: 4-Bromofluorobenzene	0.49		0.4946		98.5	70	130	0	0	
Surr: Dibromofluoromethane	0.46		0.4946		92.5	70	130	0	0	
Surr: Toluene-d8	0.49		0.4946		99.0	70	130	0	0	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2006A23**

26-Jun-20

Client: Pima Environmental Services LLC

Project: Vega 29 Fed #1H

Sample ID: **mb-53180**	SampType: **MBLK**	TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **PBS**	Batch ID: **53180**	RunNo: **69776**
Prep Date: **6/19/2020**	Analysis Date: **6/21/2020**	SeqNo: **2422571** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	460		500.0		92.0	70	130			

Sample ID: **lcs-53180**	SampType: **LCS**	TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **LCSS**	Batch ID: **53180**	RunNo: **69776**
Prep Date: **6/19/2020**	Analysis Date: **6/21/2020**	SeqNo: **2422572** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	20	5.0	25.00	0	80.5	70	130			
Surr: BFB	480		500.0		97.0	70	130			

Sample ID: **2006A23-002AMS**	SampType: **MS**	TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **S-1 1'**	Batch ID: **53180**	RunNo: **69776**
Prep Date: **6/19/2020**	Analysis Date: **6/21/2020**	SeqNo: **2422575** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	20	5.0	24.78	0	80.6	70	130			
Surr: BFB	470		495.5		95.3	70	130			

Sample ID: **2006A23-002AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **S-1 1'**	Batch ID: **53180**	RunNo: **69776**
Prep Date: **6/19/2020**	Analysis Date: **6/21/2020**	SeqNo: **2422576** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	4.9	24.41	0	91.2	70	130	10.9	20	
Surr: BFB	490		488.3		99.8	70	130	0	0	

Sample ID: **mb-53183**	SampType: **MBLK**	TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **PBS**	Batch ID: **53183**	RunNo: **69787**
Prep Date: **6/19/2020**	Analysis Date: **6/21/2020**	SeqNo: **2423143** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	540		500.0		107	70	130			

Sample ID: **lcs-53183**	SampType: **LCS**	TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **LCSS**	Batch ID: **53183**	RunNo: **69787**
Prep Date: **6/19/2020**	Analysis Date: **6/21/2020**	SeqNo: **2423144** Units: **mg/Kg**

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

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2006A23**

26-Jun-20

Client: Pima Environmental Services LLC

Project: Vega 29 Fed #1H

Sample ID: **lcs-53183**	SampType: **LCS**	TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **LCSS**	Batch ID: **53183**	RunNo: **69787**
Prep Date: **6/19/2020**	Analysis Date: **6/21/2020**	SeqNo: **2423144** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	86.6	70	130			
Surr: BFB	540		500.0		109	70	130			

Sample ID: **2006a23-022ams**	SampType: **MS**	TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **S-6 1'**	Batch ID: **53183**	RunNo: **69787**
Prep Date: **6/19/2020**	Analysis Date: **6/21/2020**	SeqNo: **2423147** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	20	4.9	24.46	0	82.3	70	130			
Surr: BFB	510		489.2		104	70	130			

Sample ID: **2006a23-022amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D Mod: Gasoline Range**
Client ID: **S-6 1'**	Batch ID: **53183**	RunNo: **69787**
Prep Date: **6/19/2020**	Analysis Date: **6/21/2020**	SeqNo: **2423148** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	24.80	0	91.0	70	130	11.4	20	
Surr: BFB	540		496.0		108	70	130	0	0	

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: Pima Environmental Services LLC

Work Order Number: 2006A23

RcptNo: 1

Received By: **Isaiah Ortiz** 6/19/2020 9:35:00 AM

Completed By: **Juan Rojas** 6/19/2020 9:47:57 AM

Reviewed By: SPA 6.19.20

Chain of Custody

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

Log In

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

IO

# of preserved bottles checked for pH: 6/19/20 (<2 or >12 unless noted)

Adjusted?

Checked by:

Special Handling (if applicable)

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

Person Notified: Date

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

Regarding:

Client Instructions:

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.1	Good				

Chain-of-Custody Record

Client: Pima Environmental

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

Phone #: 575-631-6977

email or Fax#: Chris@pimaoil.com

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

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time: 3-Days
☐ Standard ☐ **Rush**

Project Name: Vega 29 Fed #1H

Project #: 7

Project Manager: Chris Jones

Sampler: Robert

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 3.2-0.2=3 3.1 (°C)

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2306042
6/7/23	2:30	Soil	S-1 0-1	Jar	Ice	001
	2:32		S-1 1'			-002
	2:34		S-1 2'			-003
	2:36		S-1 3'			-004
	2:40		S-3 0-1			-005
	2:42		S-2 1			-006
	2:44		S-2 2			-007
	2:46		S-2 3			-008
	2:50		S-3 0-1			-009
	2:52		S-3 1			-010
	2:54		S-3 2			-011
	2:56		S-3 3			-012

Relinquished by:	Received by:	Date	Time
		6/8/23	2pm
		6/8/23	1905

Relinquished by:	Received by:	Via:	Date	Time
			6/9/23	0935

Date:	Time:
6/8/23	1905

Remarks: Add Robert@pimaoil.com to all reports

Analysis Request

BTEX / MTBE / TMB's (8021)	✓
TPH:8015D(GRO / DRO / MRO)	✓
8081 Pesticides/8082 PCB's	
EDB (Method 504.1)	
PAHs by 8310 or 8270SIMS	
RCRA 8 Metals	
Cl, F, Br, NO_3, NO_2, PO_4, SO_4	
8260 (VOA)	
8270 (Semi-VOA)	
Total Coliform (Present/Absent)	Chlorides ✓

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

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

Chain-of-Custody Record

Client: Pima Environmental

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

Phone #: 575-631-6577

email or Fax#: chris@pimaoil.com

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

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time: 3-Day
☒ Standard ☐ Rush

Project Name: Vega 29 Fed # 1H

Project #: 7

Project Manager: Chris Jones

Sampler: Robert

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 3.7-0.1[E] 3.1 (°C)

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2006A23	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Chloride
6-17-20	2:58	Soil	S-4 0-6"	Jar	Ice	-013											
	3:00		S-4 1'			-014											
	3:02		S-4 2'			-015											
	3:04		S-4 3'			-016											
	3:06		S-5 0-6"			-017											
	3:08		S-5 1'			-018											
	3:10		S-5 2'			-019											
	3:12		S-5 3'			-020											
	3:14		S-5 4-6"			-021											
	3:16		S-6 1'			-022											
	3:18		S-6 2'			-023											
	3:20		S-6 3'			-024											

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
6/18	205				6/18/20	1405
6/18/20	1900				6/19/20	0935

Remarks: Add Robert@pimaoil.com To All Reports

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

Chain-of-Custody Record

Client: Pima Environmental

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

Phone #: 575-631-6577

email or Fax#: chris@pimaoil.com

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

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time: 3-Day
☒ Standard ☐ Rush

Project Name: Vega 29 Fed #1H

Project #: 7

Project Manager: Chris Jones

Sampler: Robert

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 3.7-0.1(CF) | 3.6 (°C)

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

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2006A23
6-17-20	3:22	Soil	BG - 1	Jar	Ice	-025
	3:24		BG - 2			-026
	3:26		BG - 3			-027
	3:28		BG - 4			-028
	3:30		BG - 5			-029
	3:32		BG - 6			-030
	3:34		BG - 7			-031
	~~3:36~~					
	~~3:38~~					
	~~3:40~~					
	~~3:42~~					
	~~3:44~~					

Analysis Request

BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Chloride
✓	✓									✓

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
6/18/20	2:05				6/18/20	1405
6/18/20	1900				6/19/20	0935

Remarks: Add Robert@pimaoil.com

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

Pima Environmental Services

Appendix E:
Photographic Documentation

Vega 29 Fed 1H Geotagged Sample Photos

DIRECTION
180 deg(T)
32.63794°N
103.88549°W
ACCURACY 9 m
DATUM WGS84
Devon Energy
VEGA 29 Fed 1
BG-3
2020-06-17
16:38:49-06:00

DIRECTION
116 deg(T)
32.63812°N
103.88555°W
ACCURACY 9 m
DATUM WGS84
Devon Energy
VEGA 29 Fed 1
BG-4
2020-06-17
16:02:23-06:00


Devon Energy
VEGA 29 Fed 1
BG-6
2020-06-17
16:41:44-06:00
DIRECTION
357 deg(T)
32.63792°N
103.88585°W
ACCURACY 12 m
DATUM WGS84


Devon Energy
VEGA 29 Fed 1
BG-5
2020-06-17
16:05:56-06:00
DIRECTION
101 deg(T)
32.63811°N
103.88570°W
ACCURACY 9 m
DATUM WGS84

DIRECTION
20 deg(T)
32.63778°N
103.88585°W
ACCURACY 22 m
DATUM WGS84
Devon Energy
VEGA 29 Fed 1
BG-7
2020-06-17
16:43:57-06:00

DIRECTION
75 deg(T)
32.63781°N
103.88564°W
ACCURACY 5 m
DATUM WGS84
Devon
Vega 29 s-1
2020-06-17
15:55:02-06:00

DIRECTION
343 deg(T)
32.63806°N
103.88563°W
ACCURACY 5 m
DATUM WGS84
Devon
Vega 29 s-3
2020-06-17
16:18:34-06:00

DIRECTION
279 deg(T)
32.63796°N
103.88559°W
ACCURACY 5 m
DATUM WGS84
Devon
Vega 29 s-2
2020-06-17
16:13:35-06:00

DIRECTION
21 deg(T)
32.63791°N
103.88578°W
ACCURACY 5 m
DATUM WGS84
Devon
Vega 29 s-4
2020-06-17
16:28:49-06:00

DIRECTION
138 deg(T)
32.63790°N
103.88578°W
ACCURACY 5 m
DATUM WGS84
Devon
Vega 29 s-5
2020-06-17
16:44:57-06:00

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
POD 1 (TW-1)	N/A	CP-1941

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Devon Energy	575-748-1838

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
6488 7 Rivers Hwy	Artesia	NM	88210

WELL LOCATION (FROM GPS)	DEGREES	MINUTES	SECONDS	
LATITUDE	32	38	10.56	N
LONGITUDE	103	53	8.4	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE

SW NE NE Sec.29 T19S R31E NMPM

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
1249	Jackie D. Atkins	Atkins Engineering Associates, Inc.

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
4/4/23	4/4/23	Temporary well 55'	±55	54

COMPLETED WELL IS: ☐ ARTESIAN ☐ DRY HOLE ☑ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): 44.00

DATE STATIC MEASURED: 4/18/23

DRILLING FLUID: ☐ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☐ ROTARY ☐ HAMMER ☐ CABLE TOOL ☑ OTHER – SPECIFY: Hollow Stem Auger

CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0	55	±6.25	Boring	--	--	--	--

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
			N/A		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES **(attach supplemental sheets to fully describe all units)**	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	4	4	Sand, fine-grained, poorly graded, unconsolidated, Brown	Y ✓ N	
4	24	20	Caliche, with fine sand, off white	Y ✓ N	
24	29	5	Sand, very fine-grained, poorly graded, semi-consolidated, Brown	Y ✓ N	
29	40	11	Clay, Stiff, friable, Reddish Brown	Y ✓ N	
40	55	15	Clay, Stiff, High plastic, Reddish Brown	✓ Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

WELL TEST — TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring grouted using Type I/II Neat Cement from total depth to surface in lifts, see attached plugging record.
37
Bellatrix 28-1

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

Shane Eldridge, Cameron Pruitt

6. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:

Jack Atkins — Jackie D. Atkins — 4/27/2023

SIGNATURE OF DRILLER / PRINT SIGNEE NAME — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 2 OF 2

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 212461

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 212461
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bhall	Closure approved. Site will need to meet the requirements of 16.15.29.13 NMAC at time of plugging and abandonment.	5/8/2023