



DEFERRAL REQUEST

DEVON ENERGY COMPANY

Created for submission to New Mexico Oil Conservation Division on 03/31/2022

ASHLEY GIOVENGO

Environmental Manager - Permian

ENERGIZING AMERICA

March 31, 2022

Bradford Billings, Chad Hensley, Jennifer Nobui, Nelson Velez and/or Robert Hamlet

State of New Mexico

Energy, Minerals, and Natural Resources

New Mexico Oil Conservation Division

811 South First Street

Artesia, New Mexico 88210

RE: DEFERRAL REQUEST

COMPANY	Devon Energy
LOCATION	Pinnacle State #035H
API	30-015-40836
PLSS	Unit B Sec 36 T22S R28E
GPS	32.3560181, -104.0378418
INCIDENT ID	nAPP2127347137

BACKGROUND

Wescom, Inc., hereafter referred to as Wescom, has prepared this deferral request on behalf of Devon Energy, hereafter referred to as Devon, regarding the release at the Pinnacle State #035H (Site) located in Unit B, Section 36, Township 22 South and Range 28 East in Eddy County, New Mexico. The GPS coordinates are as follows: North 32.3560427 and West -104.0377556. Surface owner of the site is State land. The Site falls within New Mexico Oil Conservation Division (NMOCD), District 2 Artesia.

On September 27, 2021, a valve on the Pinnacle State #035H wellhead was left open which resulted in the release of seven barrels (bbls) of produced water and seven bbls of crude oil. Approximately five bbls of produced water and five bbls of crude oil were recovered from the spill area. Wescom was dispatched to location to begin the initial Site cleanup on October 04, 2021. Excavation and field screening activities were completed on October 05, 2021.

Wescom personnel returned to the Site on October 08, 2021, to perform confirmation sampling. Analytical results from the confirmation samples indicated that additional remediation activities would be required. Excavation of contaminated soils was resumed on October 29, 2021 and completed on November 01, 2021. Approximately 300 cubic yards of contaminated soil was removed from the spill area and disposed of at an approved facility. Confirmation Sampling was completed on November 01, 2021. Remediation efforts were successful in all areas when access was not limited due to production equipment. Therefore, Devon Energy is



hereby requesting deferral of the contaminated soil surrounding the wellhead until final reclamation of this location.

SURFACE & GROUND WATER

The New Mexico Office of the State Engineer (OSE) records indicates nearest ground water measurement in the area is 55 feet below ground surface (bgs) and is 0.50 miles Southwest of the location as shown in Attachment C.

KARST POTENTIAL

According to data from the Bureau of Land Management, this Site is located within medium karst potential as shown in Attachment D. There are no indicators of karst around the site surface.

TARGET REMEDIAL LEVELS

The target cleanup levels are determined using the NMOCD Closure Criteria (19.15.29.12.B(4)) and Table 1 NMAC, inserted below, including karst guidelines from the Bureau of Land Management. The applicable Recommended Remediation Action Levels (RRALs) are 10 parts per million (ppm) Benzene, 50 ppm combined benzene, toluene, ethyl benzene, and total xylenes (BTEX), 2500 ppm Total Petroleum Hydrocarbons (TPH) and 1000 ppm combined Gasoline Range Organics (GRO) and Diesel Range Organics (DRO). Characterization of vertical and horizontal extent of chloride (Cl) concentration to a level of 10000 ppm is also required.

Closure Criteria (19.15.29.12.B(4) and Table 1 NMAC)						
Pinnacle State #035H — 32.3560181, -104.0378418						
Depth to Groundwater		Closure Criteria (unites in mg/kg)				
		Chloride * numerical limit or background, whichever is greater	TPH	GRO+DRO	BTEX	Benzene
Based on high karst potential		600	100		50	10
less than 50 ft bgs		600	100		50	10
51 ft to 100 ft bgs	55 ft	10000	2500	1000	50	10
greater than 100 ft bgs		20000	2500	1000	50	10
Surface Water	Yes or No	If yes, then				
< 300 feet from continuously flowing watercourse or other significant watercourse?	No					
< 200 feet from lakebed, sinkhole or playa lake	No					
Water Well or Water Source						
< 500 feet from spring or a private, domestic fresh water well used by less than 5 households for domestic or stock watering purposes?	No					
< 1000 feet from fresh water well or spring?	No					
Human and Other Areas						
< 300 feet from an occupied permanent residence, school, hospital, institution or church?	No					
Within incorporated municipal boundaries or within a defined municipal fresh water well field?	No					
< 100 feet from wetland?	No					
Within area overlying a subsurface mine?	No					
Within an unstable area?	No					
Within a 100-year floodplan?	Yes					

Table: Closure Criteria Statistics



REMEDIATION ACTIVITIES

On October 04, 2021, Wescom arrived onsite to begin excavation of contaminated soil from the spill area. Wescom personnel competent in conducting soil sampling activities were onsite to determine the extent of the 14 bbl spill. Soil samples from five locations were field screened for BTEX, TPH and Cl. Excavation depths were determined based on results from field screening activities. The initial cleanup was completed on October 05, 2021. Confirmation sampling was conducted on October 08, 2021. A total of 29 composite confirmation samples were collected; 21 samples exceeded the RRLs for the Site (see Table 1). Wescom personnel returned to the Site on October 11, 2021, to collect a background sample, BG01. BG01 was collected 58 feet to the West of the caliche pad at one-foot bgs.

On October 29, 2021, Wescom returned to the Site to continue excavation of the spill area. Three of the confirmation samples collected on October 29, 2021, exceeded the RRLs for the Site (see Table 1). Samples CONF08A, CONF09A and CONF11A are located in the area's immediately surrounding the wellhead (see Figure 1). Wescom completed excavation of the spill area on November 01, 2021. Approximately 300 cubic yards of contaminated soil was removed from the spill area and disposed of at an approved facility.

On January 19, 2022, Devon received notification that the deferral report for the Site had been denied. Per NMOC, additional delineation activities would be required in the areas of requested deferral. Wescom personnel returned to the Site on March 1, 2022, and March 02, 2022, to complete vertical delineation. CONF08B and CONF09B were below the strictest RRLs for the Site at 12 feet and 13 feet bgs respectively (see Table 1). Vertical delineation in CONF11A area could not be completed due to the presence of active production equipment and the wellhead flowline.

The required 48-hour confirmation sampling notifications were sent on October 04, 2021, and October 25, 2021, and again on March 01, 2022, and March 02, 2022, to Bradford Billings, Chad Hensley, Jennifer Nobui, Nelson Velez, Robert Hamlet and Mike Bratcher with the NMOC in Santa Fe, New Mexico. All soil samples were properly packaged, preserved, and transported to Envirotech, Inc. by chain of custody, and analyzed for Total Petroleum Hydrocarbons, or TPH, —Method 8015D, BTEX—Method 8021B, and Chlorides—Method 300.0/9056A. The confirmation sample results are presented in Table 1; laboratory analytical reports are included in Attachment E. Locations of confirmation samples are shown in Figure 1.

REQUEST FOR DEFERRAL

On behalf of Devon, Wescom requests to defer approximately 227 cubic yards of contaminated soil until the Pinnacle State #035H well is plugged and abandoned and reclamation activities commence based on the logic below.

- All confirmation area's meet the RRLs, except CONF08A, CONF09A, and CONF11A, which are surrounding the existing wellhead and fall within the area of requested deferral.
- Vertical delineation has been completed inside the areas of requested deferral to the strictest criteria in accordance with 19.15.29.12.B(4) NMAC Table 1.



- Due to the location of the contaminated soil, it is not practical to remove for remediation. This well is currently active and would require shutting in the well for an extended period in order to remove backfill and properly stabilize the substrate around the wellhead.

If you have any questions or comments, please do not hesitate to call Mrs. Ashley Giovengo at (505) 382-1211.

Sincerely,

Wescom, Inc.

Ashley Giovengo

Environmental Manager-Permian

cc: Jim Raley, Devon Energy
Bradford Billings, NMOCD
Robert Hamlet, NMOCD
Chad Hensley, NMOCD
Jennifer Nobui, NMOCD
Nelson Velez, NMOCD



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Pinnacle State #035H | Incident ID: nAPP2127347137

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REFERENCE MATERIALS

FIGURES

FIGURE 1. Confirmation Samples

TABLES

TABLE 1. Laboratory Analysis Results: Confirmation Samples

ATTACHMENTS

ATTACHMENT A. C-141

ATTACHMENT B. Site Photos

ATTACHMENT C. Closure Criteria Supporting Documents

ATTACHMENT D. Karst Map

ATTACHMENT E. Envirotech Inc. Laboratory Analysis Reports

ATTACHMENT F. 48-hour Confirmation Sampling Notification Emails



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FIGURE 1

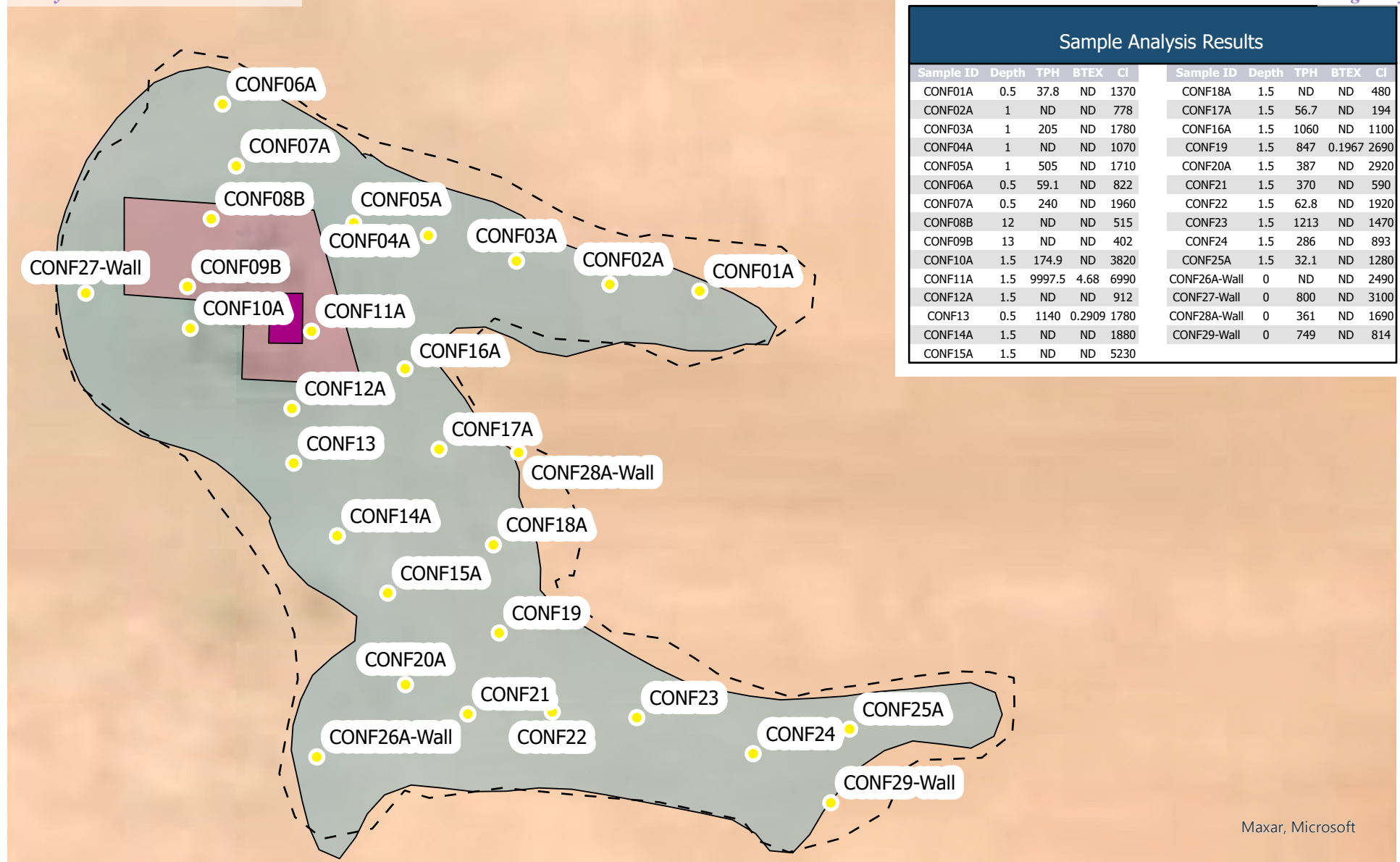
Confirmation Samples



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Pinnacle State #035H | Incident ID: nAPP2127347137

**FIGURE 1. Confirmation Samples**

Pinnacle State #035H
 Incident ID: nAPP2127347137
 API: 30-015-40836
 GPS Coordinates: 32.3560181, -104.0378418
 Eddy County, New Mexico
 Devon Energy

**LEGEND**

- Wellhead
- Deferral Area
- Excavation Area
- Spill Area
- Sample Locations



TABLE 1

Laboratory Analysis Results: Confirmation Samples



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Pinnacle State #035H | Incident ID: nAPP2127347137

Pinnacle State #035H nAPP2127347137							
Devon Energy 03.28.2022							
Table 1. Confirmation Laboratory Analysis Results							
Sample Description			Petroleum Hydrocarbons				Inorganic
Sample ID	Depth (ft.)	Date	Volatile		Extractable		Chloride (mk/kg)
			Benzene (mk/kg)	Total BTEX (mk/kg)	TPH (mk/kg)	GRO+DRO (mk/kg)	
Closure Criteria			10	50	2500	1000	10000
BG01	1	10/14/2021	ND	ND	ND	ND	ND
CONF01	0.5	10/14/2021	-	-	3074	2240	1240
CONF01A	0.5	10/29/2021	ND	ND	37.8	37.8	1370
CONF02	0.5	10/14/2021	-	-	7600	5640	1110
CONF02A	1	10/29/2021	ND	ND	ND	ND	778
CONF03	0.5	10/14/2021	-	-	21990	14500	4430
CONF03A	1	11/1/2021	ND	ND	205	205	1780
CONF04	0.5	10/14/2021	-	-	16190	11200	3970
CONF04A	1	11/1/2021	ND	ND	ND	ND	1070
CONF05	0.5	10/14/2021	-	-	14635	10955	7550
CONF05A	1	10/29/2021	ND	ND	505	327	1710
CONF06	0	10/14/2021	-	-	2731	991	900
CONF06A	0.5	11/1/2021	ND	ND	59.1	30	822
CONF07	0	10/14/2021	-	-	4800	3450	3830
CONF07A	0.5	10/29/2021	ND	ND	240	139	1960
CONF08	0	10/14/2021	-	-	16330	12000	15700
CONF08A	1	10/29/2021	ND	0.368	6080	3860	5260
CONF08B	12	3/2/2022	ND	ND	ND	ND	515
CONF09	0.5	10/14/2021	-	-	4950	2330	4690
CONF09A	1	10/29/2021	ND	ND	3160	1820	3010
CONF09B	13	3/2/2022	ND	ND	ND	ND	402
CONF10	1	10/14/2021	-	-	6430	4610	3900
CONF10A	1.5	10/29/2021	ND	ND	174.9	88.6	3820
CONF11	1	10/14/2021	-	-	14980	11300	3500
CONF11A	1.5	10/29/2021	ND	4.68	9997.5	6477.5	6990
CONF12	1	10/14/2021	-	-	4883	3283	1420
CONF12A	1.5	10/29/2021	ND	ND	ND	ND	912
CONF13	0.5	10/14/2021	ND	0.2909	1140	730	1780
CONF14	0.5	10/14/2021	-	-	8200	6320	2560
CONF14A	1.5	10/29/2021	ND	ND	ND	ND	1880
CONF15	0.5	10/14/2021	-	-	4428.7	3228.7	16200
ABBREVIATIONS							
BTEX — Benzene, Toluene, Ethylene, Xylene				GRO — Gasoline Range Organics			
DRO — Diesel Range Organics				ND — Non-detect			
ft. — Feet				mg/kg — Milligrams per Kilogram			
TPH — Total Petroleum Hydrocarbons							
Notes							
Bold Red - Results are above closure criteria							
Black Bold - Resampled confirmation samples							



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Devon Energy 03.28.2022							
Table 1. Confirmation Laboratory Analysis Results							
Sample Description			Petroleum Hydrocarbons				Inorganic
Sample ID	Depth (ft.)	Date	Volatile		Extractable		Chloride (mk/kg)
			Benzene (mk/kg)	Total BTEX (mk/kg)	TPH (mk/kg)	GRO+DRO (mk/kg)	
Closure Criteria			10	50	2500	1000	10000
CONF15A	1.5	11/1/2021	ND	ND	ND	ND	5230
CONF16	0.5	10/14/2021	-	-	18576	13766	4530
CONF16A	1.5	10/29/2021	ND	ND	1060	771	1100
CONF17	0.5	10/14/2021	-	-	23988	18008	2550
CONF17A	1.5	10/29/2021	ND	ND	56.7	56.7	194
CONF18	0.5	10/14/2021	-	-	19139	14289	5790
CONF18A	1.5	11/1/2021	ND	ND	ND	ND	480
CONF19	1.5	10/14/2021	ND	0.1967	847	576	2690
CONF20	1	10/14/2021	-	-	12700	9640	3710
CONF20A	1.5	11/1/2021	ND	ND	387	273	2920
CONF21	1.5	10/14/2021	ND	ND	370	242	590
CONF22	1.5	10/14/2021	ND	ND	62.8	62.8	1920
CONF23	1.5	10/14/2021	ND	ND	1213	832	1470
CONF24	1.5	10/14/2021	ND	ND	286	182	893
CONF25	1.5	10/14/2021	-	-	9340	7080	725
CONF25A	1.5	10/29/2021	ND	ND	32.1	32.1	1280
CONF26	Wall	10/14/2021	-	-	9744.8	7154.8	2600
CONF26A	Wall	10/29/2021	ND	ND	ND	ND	2490
CONF27	Wall	10/14/2021	ND	ND	800	410	3100
CONF28	Wall	10/14/2021	-	-	9703	7293	2210
CONF28A	Wall	10/29/2021	ND	ND	361	208	1690
CONF29	Wall	10/14/2021	ND	ND	749	485	814
ABBREVIATIONS							
BTEX — Benzene, Toluene, Ethylene, Xylene				GRO — Gasoline Range Organics			
DRO — Diesel Range Organics				ND — Non-detect			
ft. — Feet				mg/kg — Milligrams per Kilogram			
TPH — Total Petroleum Hydrocarbons							
Notes							
Bold Red - Results are above closure criteria							
Black Bold - Resampled confirmation samples							



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ATTACHMENT A

C-141



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Pinnacle State #035H | Incident ID: nAPP2127347137

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 Department

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

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	nAPP2127347137
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: WPX Energy Permian, LLC	OGRID: 246289
Contact Name: Jim Raley	Contact Telephone: 575-689-7597
Contact email: jim.raley@divn.com	Incident # (assigned by OCD) nAPP2127347137
Contact mailing address: 5315 Buena Vista Dr., Carlsbad NM 88220	

Location of Release Source

Latitude 32.3560181 _____ Longitude -104.0378418 _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: PINNACLE STATE #035H	Site Type: Oil Production Facility
Date Release Discovered: Sept. 27 th , 2021	API# (if applicable) 30-015-40836

Unit Letter	Section	Township	Range	County
B	36	22S	28E	Eddy

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 7	Volume Recovered (bbls) 5
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 7	Volume Recovered (bbls) 5
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: Human Error. Valve left open on wellhead.

$$bbl\ estimate = \frac{saturated\ soil\ volume\ (ft^3)}{4.21(bbl\ equivalent)} * estimated\ soil\ porosity(\%) + recovered\ fluids\ (bbl)$$

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Oil Conservation Division


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Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why: 	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
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: <u>James Raley</u> Title: Environmental Specialist <u></u>	
Signature: <u></u> Date: <u>09/30/2021</u>	
email: <u>jim.raley@dmv.com</u> Telephone: <u>575-689-7597</u>	
<u>OCD Only</u> Received by: <u></u> Date: <u></u>	

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Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>55</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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


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

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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: Jim Raley Title: Environmental Professional
Signature:  Date: 4/1/2022
email: jim.raley@dvn.com Telephone: 575-689-7597

OCD Only

Received by: _____ Date: _____

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District RP	
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Application ID	

Remediation Plan


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

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

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

- ☒ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☒ Extents of contamination must be fully delineated.
- ☒ Contamination does not cause an imminent risk to human health, the environment, or groundwater.


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

Printed Name: Jim Raley Title: Environmental Professional
Signature:  Date: 4/1/2022
email: jim.raley@dm.com Telephone: 575-689-7597

OCD Only

Received by: _____ Date: _____

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

Signature:  Date: 04/05/2022

ATTACHMENT B

Site Photos



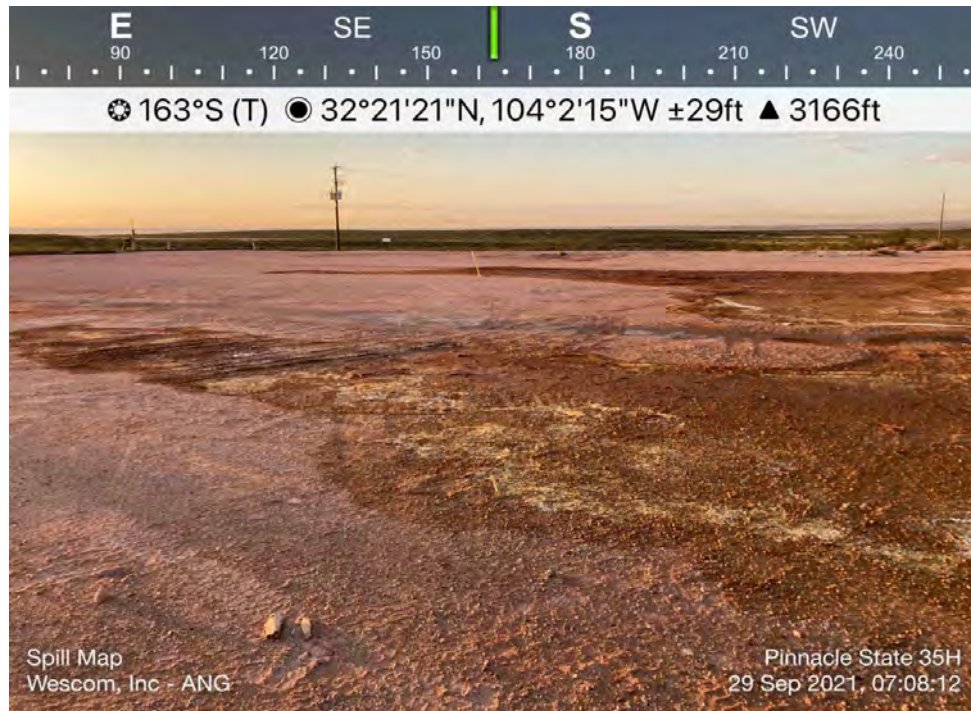
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Pinnacle State #035H | Incident ID: nAPP2127347137

Pinnacle 35H

Incident ID:nAPP2127347137

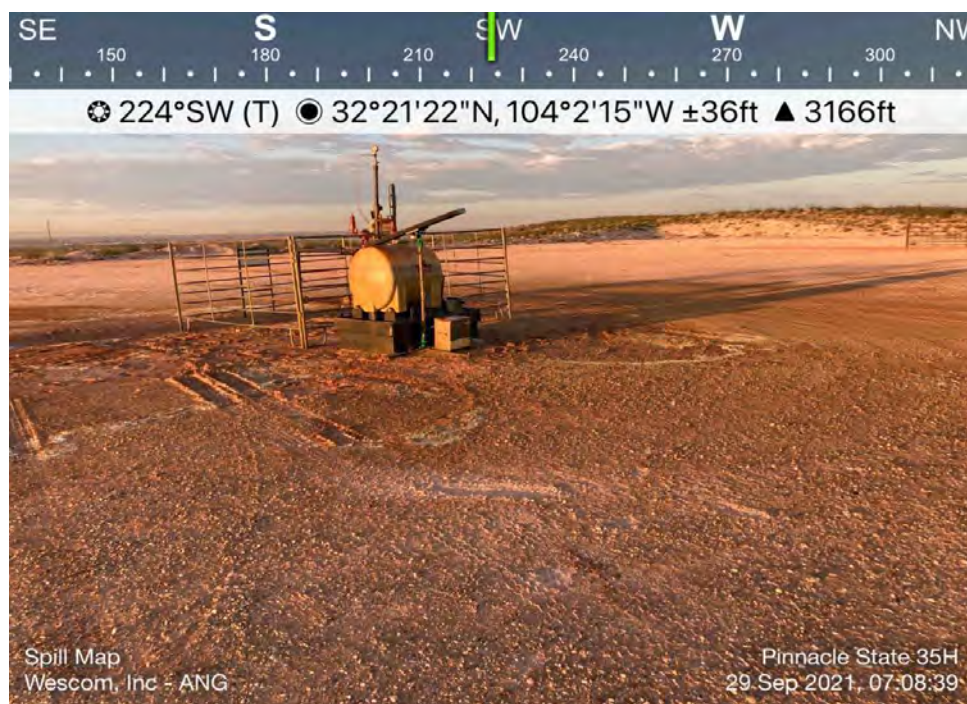


Spill Area - On Pad



Spill Area - On Pad

Pinnacle 35H
Incident ID:nAPP2127347137



Spill Area - On Pad



Spill Area - On Pad

Pinnacle 35H

Incident ID:nAPP2127347137



Excavation Around Wellhead



Scrape Area

Pinnacle 35H
Incident ID:nAPP2127347137



Excavation Area

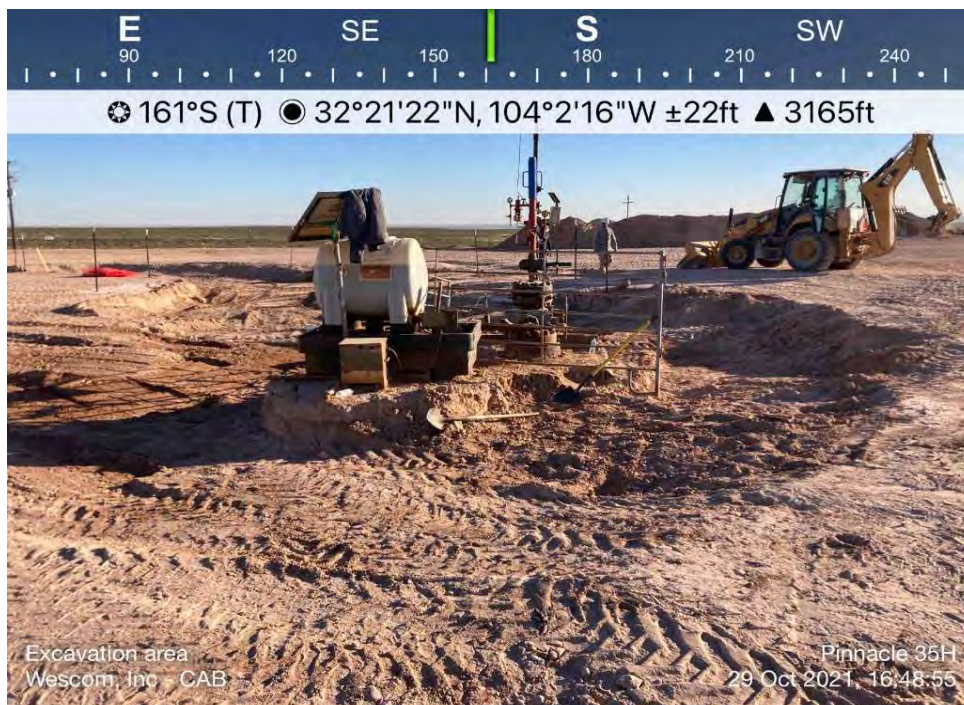


Scrape Area

Pinnacle 35H
Incident ID:nAPP2127347137

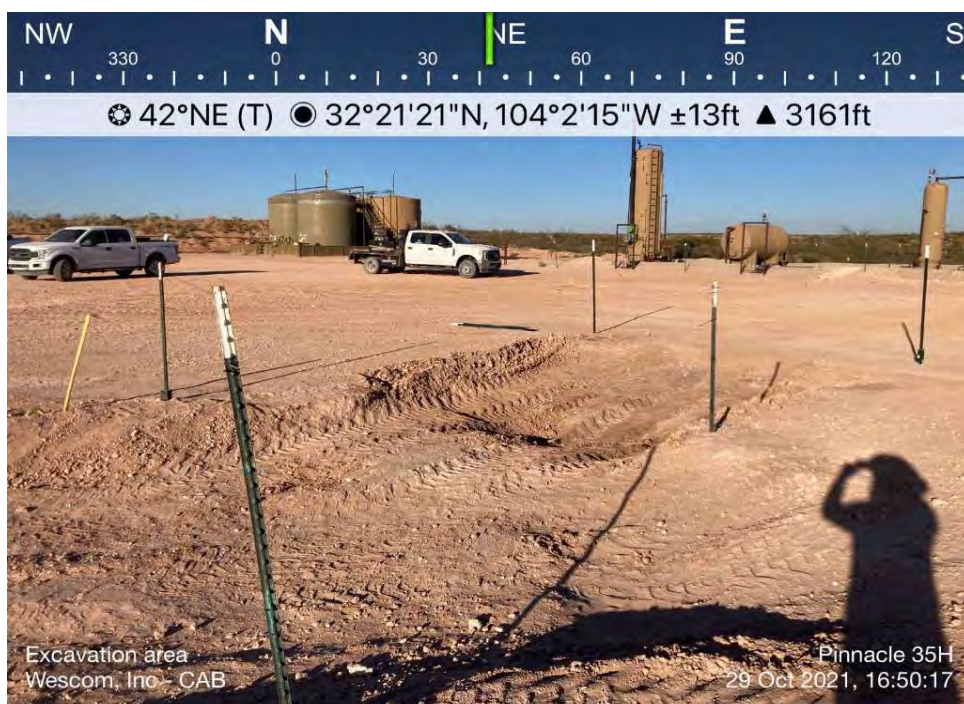


Excavation Area



Excavation Area

Pinnacle 35H
Incident ID:nAPP2127347137



Excavation Area



Excavation Area

Pinnacle 35H
Incident ID:nAPP2127347137



Contaminated Soil

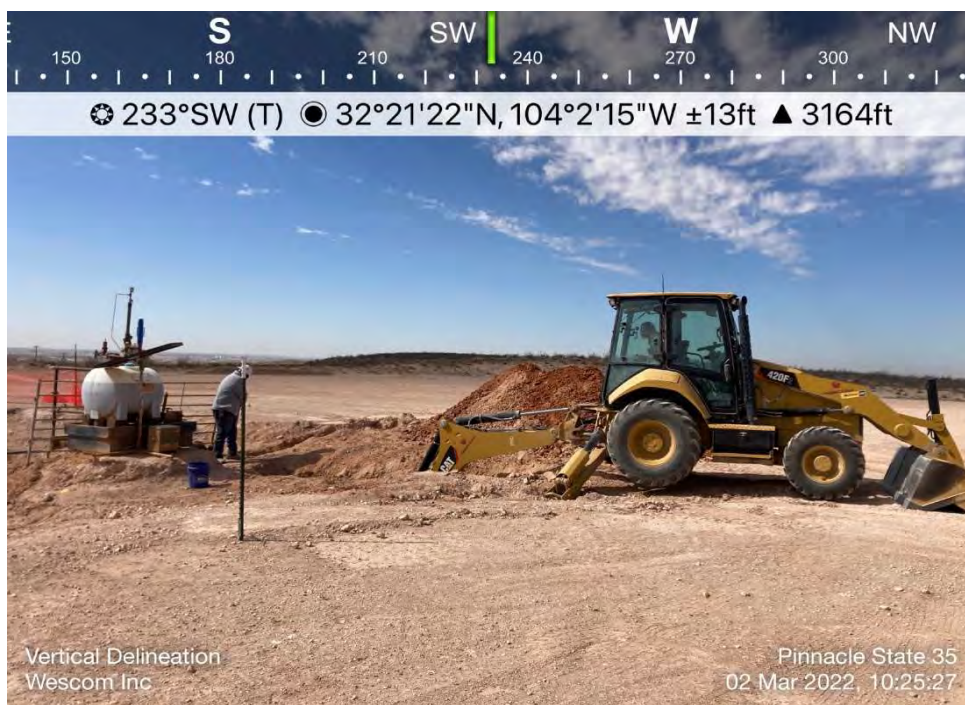


Contaminated Soil

Pinnacle 35H
Incident ID:nAPP2127347137



Contaminated Soil Removal



Vertical Delineation Around Wellhead

ATTACHMENT C

Closure Criteria Supporting Documents



Energizing America

wescominc.com | info@wescominc.com | 218-724-1322

Pinnacle State #035H | Incident ID: nAPP2127347137



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER


www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD1		WELL TAG ID NO. Well Tag ID Not Issued		OSE FILE NO(S). C 04416			
	WELL OWNER NAME(S) WPX Energy				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 5315 Buena Vista Drive				CITY Carlsbad	STATE NM	ZIP 88220	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32		MINUTES 21	SECONDS 04.8	N		
		LONGITUDE -104		02	39.4	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 F-36-22S-28E; Pinnacle State #004								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1789		NAME OF LICENSED DRILLER Mark Mumby			NAME OF WELL DRILLING COMPANY HRL Compliance Solutions		
	DRILLING STARTED 3/31/2020		DRILLING ENDED 3/31/2020		DEPTH OF COMPLETED WELL (FT) 55	BORE HOLE DEPTH (FT) 55	DEPTH WATER FIRST ENCOUNTERED (FT) Water was not encountered	
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) Water was not present in the well after 48-hour		
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger							
	DEPTH (feet bgl)		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)
	FROM	TO						
	0	45	6.25	Blank PVC	Flush Thread	2.0	0.154	0.010
	45	55	6.25	Factory Slotted PVC Screen	Flush Thread	2.0	0.154	0.010
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
				No Annular Seal Material or Gravel Pack	None			

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/19)

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

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		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)
	FROM	TO				
	0	55	55	Silt/Sand with Interbedded caliche	Y <input checked="" type="checkbox"/> N	0.00
					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	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:					TOTAL ESTIMATED WELL YIELD (gpm):	
<input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER – SPECIFY: Water Not Encountered					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: Well was drilled to determine depth to groundwater in the area. The well was a temporary well. The well was monitored for the presence of water 48-hours after drilling was complete; water was not encountered in the well at this time. The well was subsequently abandoned on 4/3/2020.					
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Kalvin (Kelly) Padilla					
6. SIGNATURE	BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.					
	 SIGNATURE OF DRILLER / PRINT SIGNEE NAME				Mark Mumby DATE: 4/23/2020	

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 04/30/2019)	
FILE NO.	POD NO.	TRN NO.	
LOCATION	WELL TAG ID NO.		PAGE 2 OF 2



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: C 04416
 Well owner: WPX Energy Phone No.: _____
 Mailing address: 5315 Buena Vista Drive
 City: Carlsbad State: NM Zip code: 88220

II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: HRL Compliance Solutions
- 2) New Mexico Well Driller License No.: 1789 Expiration Date: 12/20/2020
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s):
Kalvin (Kelly) Padilla
- 4) Date well plugging began: 4/3/2020 Date well plugging concluded: 4/3/2020
- 5) GPS Well Location: Latitude: 32 deg, 21 min, 04.8 sec
 Longitude: -104 deg, 02 min, 39.4 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 55 ft below ground level (bgl),
 by the following manner: Measuring Tape
- 7) Static water level measured at initiation of plugging: > 55 ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: Not Applicabl
- 9) Were all plugging activities consistent with an approved plugging plan? Not Applicable If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

- For each interval plugged, describe within the following columns:**

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




I, Mark Mumby, 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.

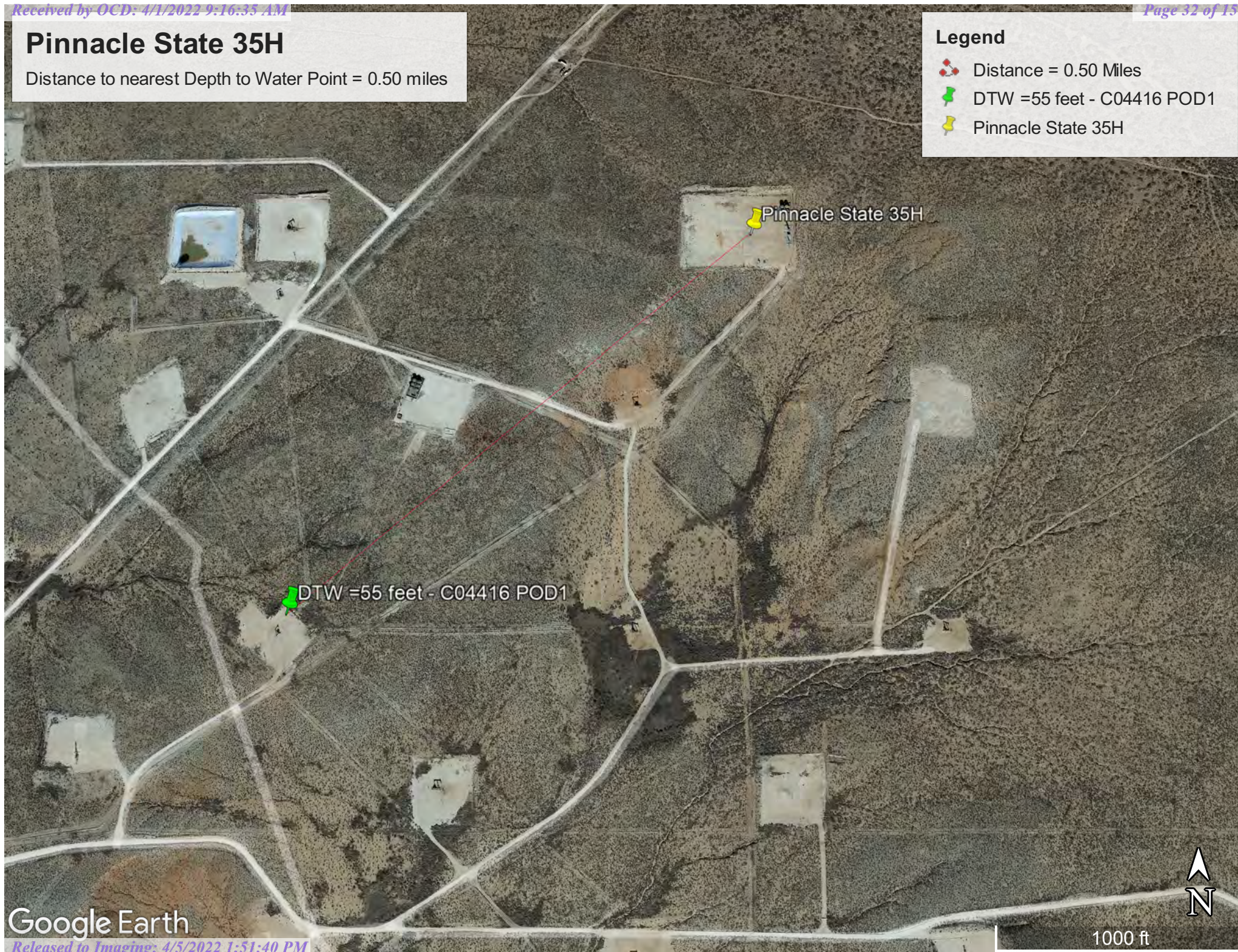
Date _____

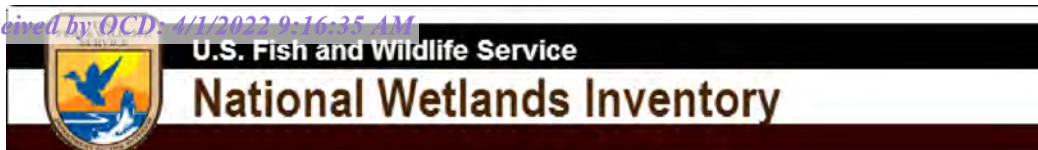
Pinnacle State 35H

Distance to nearest Depth to Water Point = 0.50 miles

Legend

-  Distance = 0.50 Miles
-  DTW =55 feet - C04416 POD1
-  Pinnacle State 35H





Pinnacle State 35H - Wetland 8,686.4 ft.



November 11, 2021

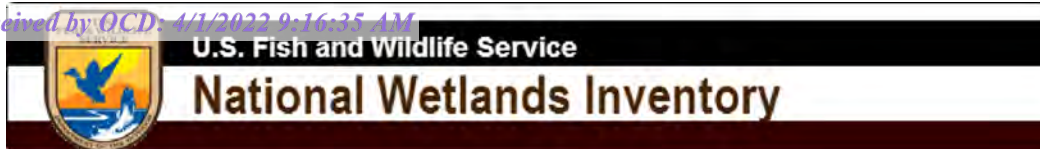
Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

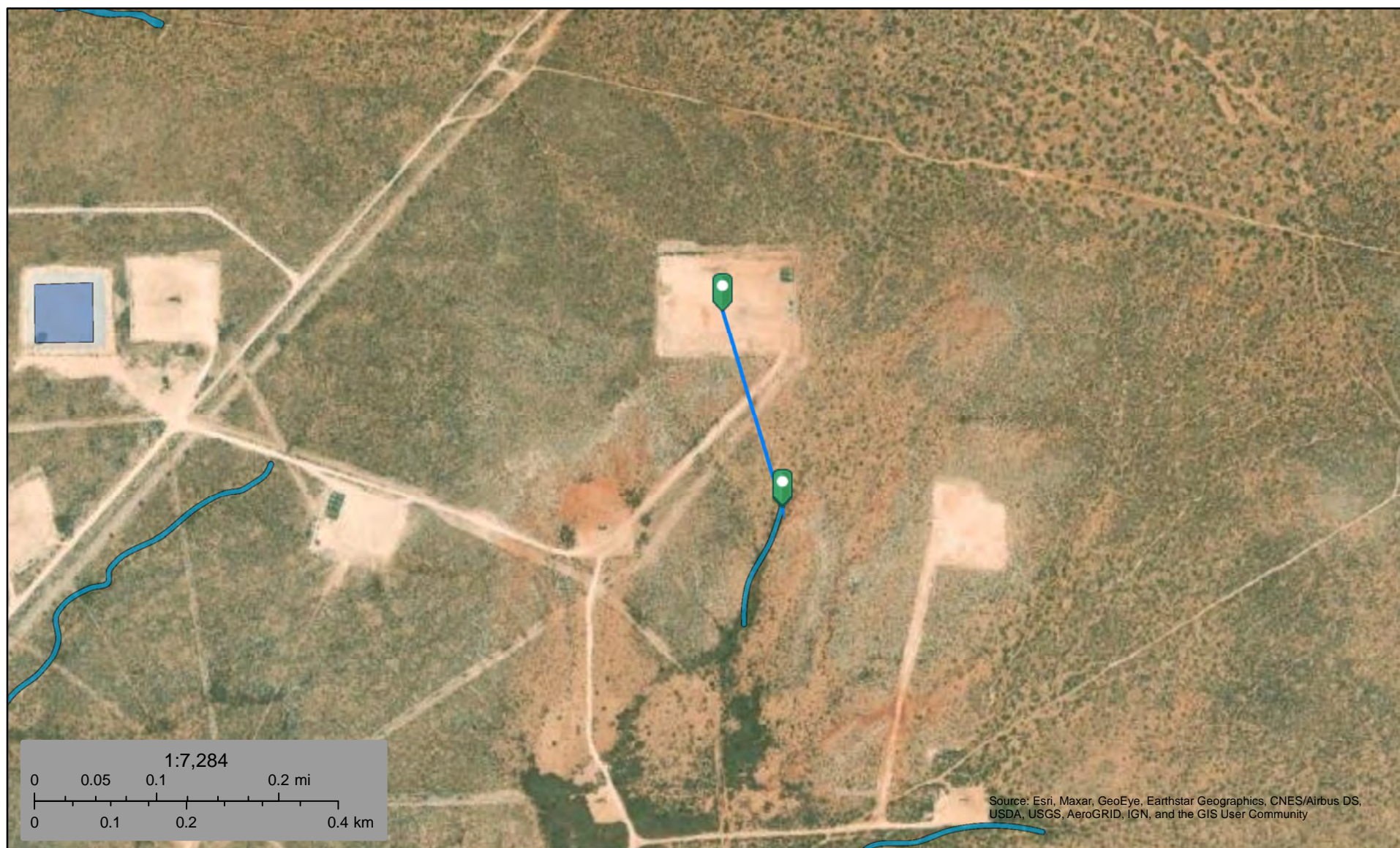
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- Lake
- Other
- Riverine

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



Pinnacle State 35H - Riverine 754.8 ft.



November 11, 2021

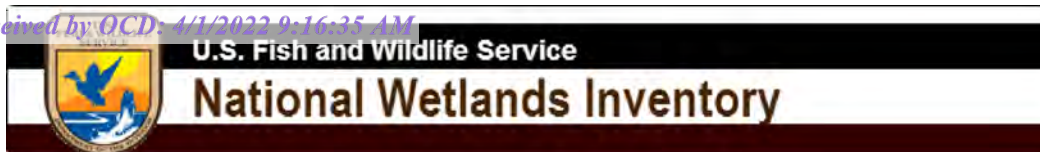
Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- Lake
- Other
- Riverine

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



Pinnacle State 35H - Fresh Water Pond 2,2



November 11, 2021

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond




- Lake
- Other
- Riverine

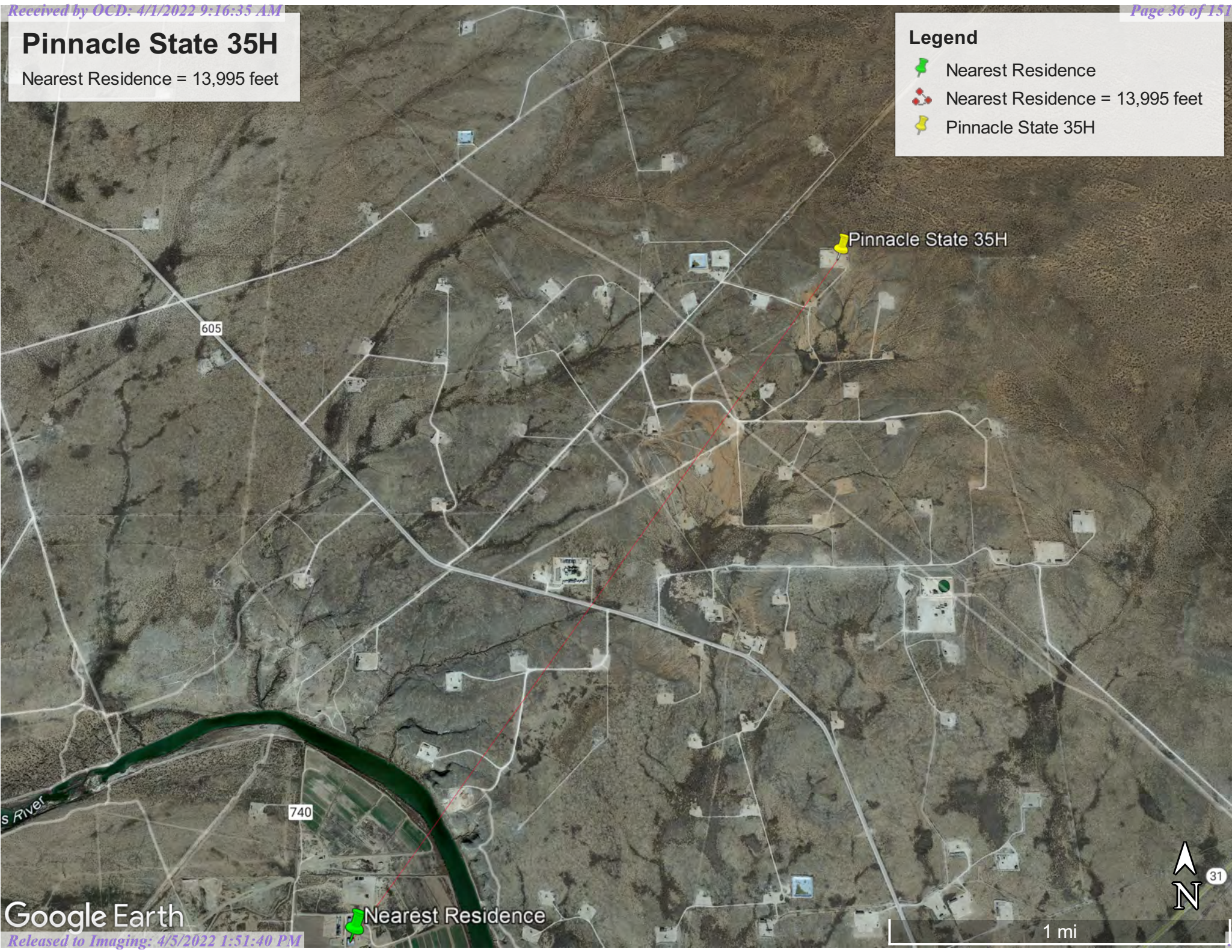
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

Pinnacle State 35H

Nearest Residence = 13,995 feet

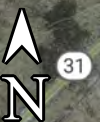
Legend

-  Nearest Residence
-  Nearest Residence = 13,995 feet
-  Pinnacle State 35H

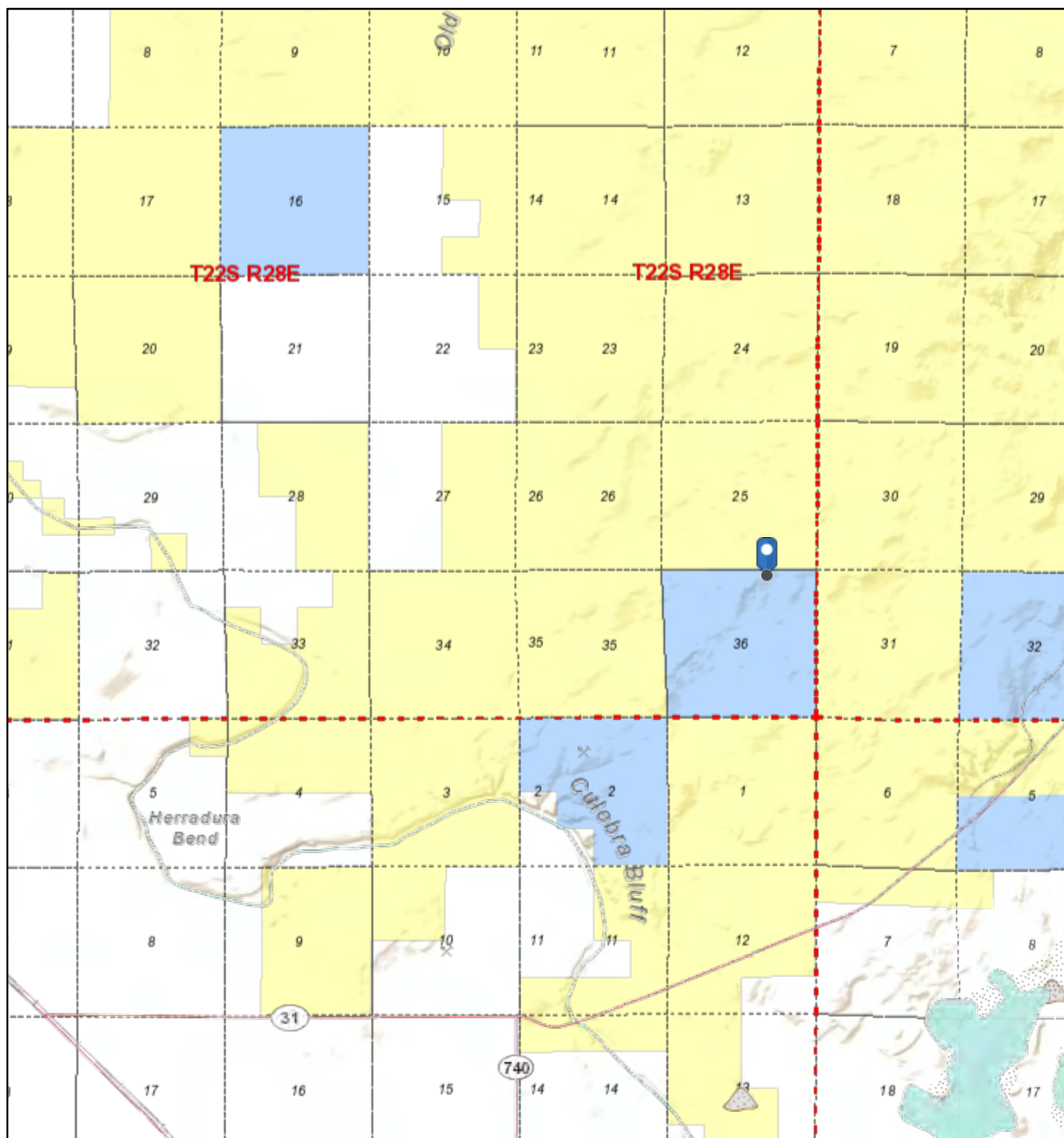


Nearest Residence

1 mi

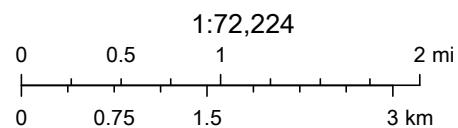


Active Mines Near Pinnacle 36-35H



10/6/2021, 10:08:33 AM

- | | | |
|---------------------------|-----------------------|--------|
| Township / Range | Department of Energy | Tribal |
| Sections | National Park Service | |
| Land Ownership | | |
| Bureau of Land Management | State Game and Fish | |
| Bureau of Reclamation | State Land | |
| Department of Agriculture | State Parks | |
| Department of Defense | | |



U.S. Bureau of Land Management - New Mexico State Office, Sources:
Esri, USGS, NOAA, Sources: Esri, Garmin, USGS, NPS

EMNRD MMD GIS Coordinator

National Flood Hazard Layer FIRMMette



104°2'35"W 32°21'37"N



Legend

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

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

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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 10/6/2021 at 11:49 AM 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.

ATTACHMENT D

Karst Map



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Pinnacle State #035H | Incident ID: nAPP2127347137

Pinnacle State 36-35H

Karst potential = Medium

Legend

- High
- Low
- Medium
- Pinnacle State 36-35H

Pinnacle State 36-35H



ATTACHMENT E

Envirotech Inc. Laboratory Analysis Reports



Energizing America

wescominc.com | info@wescominc.com | 218-724-1322

Pinnacle State #035H | Incident ID: nAPP2127347137

Report to:

Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Pinnacle State 35H

Work Order: E110044

Job Number: 01058-0007

Received: 10/12/2021

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/26/21

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 10/26/21

Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210



Project Name: Pinnacle State 35H
Workorder: E110044
Date Received: 10/12/2021 11:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/12/2021 11:00:00AM, under the Project Name: Pinnacle State 35H.

The analytical test results summarized in this report with the Project Name: Pinnacle State 35H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Pinnacle State 35H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 10/26/21 18:47
---	--	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CONF01-.5'	E110044-01A	Soil	10/08/21	10/12/21	Glass Jar, 4 oz.
CONF02-.5'	E110044-02A	Soil	10/08/21	10/12/21	Glass Jar, 4 oz.
CONF03-.5'	E110044-03A	Soil	10/08/21	10/12/21	Glass Jar, 4 oz.
CONF04-.5'	E110044-04A	Soil	10/08/21	10/12/21	Glass Jar, 4 oz.
CONF05-.5'	E110044-05A	Soil	10/08/21	10/12/21	Glass Jar, 4 oz.
CONF06-0'	E110044-06A	Soil	10/08/21	10/12/21	Glass Jar, 4 oz.
CONF07-0'	E110044-07A	Soil	10/08/21	10/12/21	Glass Jar, 4 oz.
CONF08-0'	E110044-08A	Soil	10/08/21	10/12/21	Glass Jar, 4 oz.
CONF09-.5'	E110044-09A	Soil	10/08/21	10/12/21	Glass Jar, 4 oz.
CONF10-1'	E110044-10A	Soil	10/08/21	10/12/21	Glass Jar, 4 oz.
CONF11-1'	E110044-11A	Soil	10/08/21	10/12/21	Glass Jar, 4 oz.
CONF12-1'	E110044-12A	Soil	10/08/21	10/12/21	Glass Jar, 4 oz.
CONF13-.5'	E110044-13A	Soil	10/08/21	10/12/21	Glass Jar, 4 oz.
CONF14-.5'	E110044-14A	Soil	10/08/21	10/12/21	Glass Jar, 4 oz.
CONF15-.5'	E110044-15A	Soil	10/08/21	10/12/21	Glass Jar, 4 oz.
CONF16-.5'	E110044-16A	Soil	10/08/21	10/12/21	Glass Jar, 4 oz.
CONF17-.5'	E110044-17A	Soil	10/08/21	10/12/21	Glass Jar, 4 oz.
CONF18-.5'	E110044-18A	Soil	10/08/21	10/12/21	Glass Jar, 4 oz.
CONF19-1.5'	E110044-19A	Soil	10/08/21	10/12/21	Glass Jar, 4 oz.
CONF20-1'	E110044-20A	Soil	10/08/21	10/12/21	Glass Jar, 4 oz.
CONF21-1.5'	E110044-21A	Soil	10/08/21	10/12/21	Glass Jar, 4 oz.
CONF22-1.5'	E110044-22A	Soil	10/08/21	10/12/21	Glass Jar, 4 oz.
CONF23-1.5'	E110044-23A	Soil	10/08/21	10/12/21	Glass Jar, 4 oz.
CONF24-1.5'	E110044-24A	Soil	10/08/21	10/12/21	Glass Jar, 4 oz.
CONF25-1.5	E110044-25A	Soil	10/08/21	10/12/21	Glass Jar, 4 oz.
CONF26- wall	E110044-26A	Soil	10/08/21	10/12/21	Glass Jar, 4 oz.
CONF27- wall	E110044-27A	Soil	10/08/21	10/12/21	Glass Jar, 4 oz.
CONF28- wall	E110044-28A	Soil	10/08/21	10/12/21	Glass Jar, 4 oz.
CONF29- wall	E110044-29A	Soil	10/08/21	10/12/21	Glass Jar, 4 oz.
BG01-1'	E110044-30A	Soil	10/11/21	10/12/21	Glass Jar, 4 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Pinnacle State 35H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 10/26/2021 6:47:23PM
---	--	--

CONF01-.5'

E110044-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2142024
Gasoline Range Organics (C6-C10)	ND	200	10	10/13/21	10/14/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.5 %	70-130		10/13/21	10/14/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2142020
Diesel Range Organics (C10-C28)	2240	25.0	1	10/13/21	10/14/21	
Oil Range Organics (C28-C36)	834	50.0	1	10/13/21	10/14/21	
Surrogate: n-Nonane	121 %	50-200		10/13/21	10/14/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2142025
Chloride	1240	20.0	1	10/13/21	10/13/21	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 35H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
10/26/2021 6:47:23PM

CONF02-.5'

E110044-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2142024
Gasoline Range Organics (C6-C10)	ND	200	10	10/13/21	10/14/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.4 %	70-130		10/13/21	10/14/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2142020
Diesel Range Organics (C10-C28)	5640	250	10	10/13/21	10/14/21	
Oil Range Organics (C28-C36)	1960	500	10	10/13/21	10/14/21	
Surrogate: n-Nonane	125 %	50-200		10/13/21	10/14/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2142025
Chloride	1110	20.0	1	10/13/21	10/13/21	



Sample Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State 35H	Reported: 10/26/2021 6:47:23PM
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	

CONF03-.5'

E110044-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2142024	
Gasoline Range Organics (C6-C10)	ND	200	10	10/13/21	10/14/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.6 %	70-130		10/13/21	10/14/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2142020	
Diesel Range Organics (C10-C28)	14500	2500	100	10/13/21	10/14/21	
Oil Range Organics (C28-C36)	7490	5000	100	10/13/21	10/14/21	
Surrogate: n-Nonane	146 %	50-200		10/13/21	10/14/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2142025	
Chloride	4430	40.0	2	10/13/21	10/13/21	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 35H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
10/26/2021 6:47:23PM

CONF04-.5'

E110044-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2142024	
Gasoline Range Organics (C6-C10)	ND	200	10	10/13/21	10/14/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.3 %	70-130		10/13/21	10/14/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2142020	
Diesel Range Organics (C10-C28)	11200	500	20	10/13/21	10/14/21	
Oil Range Organics (C28-C36)	4990	1000	20	10/13/21	10/14/21	
Surrogate: n-Nonane	146 %	50-200		10/13/21	10/14/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2142025	
Chloride	3970	40.0	2	10/13/21	10/13/21	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 35H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
10/26/2021 6:47:23PM

CONF05-.5'

E110044-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2142024	
Gasoline Range Organics (C6-C10)	255	200	10	10/13/21	10/14/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.5 %	70-130	10/13/21	10/14/21		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2142020	
Diesel Range Organics (C10-C28)	10700	250	10	10/13/21	10/14/21	
Oil Range Organics (C28-C36)	3680	500	10	10/13/21	10/14/21	
Surrogate: n-Nonane	220 %	50-200	10/13/21	10/14/21		S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2142025	
Chloride	7550	100	5	10/13/21	10/13/21	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Pinnacle State 35H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 10/26/2021 6:47:23PM
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CONF06-0'

E110044-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2142024	
Gasoline Range Organics (C6-C10)	ND	200	10	10/13/21	10/14/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.4 %	70-130		10/13/21	10/14/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2142029	
Diesel Range Organics (C10-C28)	991	125	5	10/13/21	10/14/21	
Oil Range Organics (C28-C36)	1740	250	5	10/13/21	10/14/21	
Surrogate: n-Nonane	111 %	50-200		10/13/21	10/14/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2142025	
Chloride	900	20.0	1	10/13/21	10/13/21	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 35H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
10/26/2021 6:47:23PM

CONF07-0'

E110044-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2142024	
Gasoline Range Organics (C6-C10)	ND	200	10	10/13/21	10/14/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.3 %	70-130		10/13/21	10/14/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2142029	
Diesel Range Organics (C10-C28)	3450	125	5	10/13/21	10/14/21	
Oil Range Organics (C28-C36)	1350	250	5	10/13/21	10/14/21	
Surrogate: n-Nonane	118 %	50-200		10/13/21	10/14/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2142025	
Chloride	3830	40.0	2	10/13/21	10/13/21	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 35H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
10/26/2021 6:47:23PM

CONF08-0'

E110044-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2142024	
Gasoline Range Organics (C6-C10)	ND	200	10	10/13/21	10/14/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.1 %	70-130		10/13/21	10/14/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2142029	
Diesel Range Organics (C10-C28)	12000	125	5	10/13/21	10/14/21	
Oil Range Organics (C28-C36)	4330	250	5	10/13/21	10/14/21	
Surrogate: n-Nonane	175 %	50-200		10/13/21	10/14/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2142025	
Chloride	15700	400	20	10/13/21	10/13/21	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 35H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
10/26/2021 6:47:23PM

CONF09-.5'

E110044-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2142024	
Gasoline Range Organics (C6-C10)	ND	200	10	10/13/21	10/14/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.4 %	70-130		10/13/21	10/14/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2142029	
Diesel Range Organics (C10-C28)	2330	125	5	10/13/21	10/14/21	
Oil Range Organics (C28-C36)	2620	250	5	10/13/21	10/14/21	
Surrogate: n-Nonane	114 %	50-200		10/13/21	10/14/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2142025	
Chloride	4690	100	5	10/13/21	10/13/21	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 35H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
10/26/2021 6:47:23PM

CONF10-1'

E110044-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2142024	
Gasoline Range Organics (C6-C10)	ND	200	10	10/13/21	10/14/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.7 %	70-130		10/13/21	10/14/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2142029	
Diesel Range Organics (C10-C28)	4610	25.0	1	10/13/21	10/14/21	
Oil Range Organics (C28-C36)	1820	50.0	1	10/13/21	10/14/21	
Surrogate: n-Nonane	132 %	50-200		10/13/21	10/14/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2142025	
Chloride	3900	40.0	2	10/13/21	10/13/21	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Pinnacle State 35H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 10/26/2021 6:47:23PM
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CONF11-1'

E110044-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2142024	
Gasoline Range Organics (C6-C10)	ND	200	10	10/13/21	10/14/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.0 %	70-130		10/13/21	10/14/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2142035	
Diesel Range Organics (C10-C28)	11300	250	10	10/14/21	10/14/21	
Oil Range Organics (C28-C36)	3680	500	10	10/14/21	10/14/21	
Surrogate: n-Nonane	284 %	50-200		10/14/21	10/14/21	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2142025	
Chloride	3500	40.0	2	10/13/21	10/14/21	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Pinnacle State 35H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 10/26/2021 6:47:23PM
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CONF12-1'

E110044-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2142024	
Gasoline Range Organics (C6-C10)	143	20.0	1	10/13/21	10/14/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID	98.3 %	70-130		10/13/21	10/14/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2142035	
Diesel Range Organics (C10-C28)	3140	250	10	10/14/21	10/14/21	
Oil Range Organics (C28-C36)	1600	500	10	10/14/21	10/14/21	
Surrogate: n-Nonane	136 %	50-200		10/14/21	10/14/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2142025	
Chloride	1420	20.0	1	10/13/21	10/14/21	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 35H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
10/26/2021 6:47:23PM

CONF13-.5'

E110044-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2142024
Benzene	ND	0.0250	1	10/13/21	10/14/21	
Ethylbenzene	0.0361	0.0250	1	10/13/21	10/14/21	
Toluene	0.0388	0.0250	1	10/13/21	10/14/21	
o-Xylene	0.0506	0.0250	1	10/13/21	10/14/21	
p,m-Xylene	0.165	0.0500	1	10/13/21	10/14/21	
Total Xylenes	0.216	0.0250	1	10/13/21	10/14/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		108 %	70-130	10/13/21	10/14/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2142024
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/13/21	10/14/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.4 %	70-130	10/13/21	10/14/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2142035
Diesel Range Organics (C10-C28)	730	50.0	2	10/14/21	10/15/21	
Oil Range Organics (C28-C36)	410	100	2	10/14/21	10/15/21	
<i>Surrogate: n-Nonane</i>						
		105 %	50-200	10/14/21	10/15/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2142025
Chloride	1780	20.0	1	10/13/21	10/14/21	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Pinnacle State 35H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 10/26/2021 6:47:23PM
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CONF14-.5'

E110044-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2142024	
Gasoline Range Organics (C6-C10)	260	20.0	1	10/13/21	10/14/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		109 %	70-130	10/13/21	10/14/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2142035	
Diesel Range Organics (C10-C28)	6060	250	10	10/14/21	10/14/21	
Oil Range Organics (C28-C36)	1880	500	10	10/14/21	10/14/21	
Surrogate: n-Nonane		218 %	50-200	10/14/21	10/14/21	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2142025	
Chloride	2560	40.0	2	10/13/21	10/14/21	



Sample Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State 35H	Reported: 10/26/2021 6:47:23PM
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	

CONF15-.5'

E110044-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2142024	
Gasoline Range Organics (C6-C10)	38.7	20.0	1	10/13/21	10/15/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.1 %	70-130		10/13/21	10/15/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2142035	
Diesel Range Organics (C10-C28)	3190	250	10	10/14/21	10/15/21	
Oil Range Organics (C28-C36)	1200	500	10	10/14/21	10/15/21	
Surrogate: n-Nonane	124 %	50-200		10/14/21	10/15/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2142025	
Chloride	16200	400	20	10/13/21	10/14/21	



Sample Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State 35H	Reported: 10/26/2021 6:47:23PM
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	

CONF16-.5'

E110044-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2142024	
Gasoline Range Organics (C6-C10)	266	20.0	1	10/13/21	10/14/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		100 %	70-130	10/13/21	10/14/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2142035	
Diesel Range Organics (C10-C28)	13500	250	10	10/14/21	10/15/21	
Oil Range Organics (C28-C36)	4810	500	10	10/14/21	10/15/21	
Surrogate: n-Nonane		223 %	50-200	10/14/21	10/15/21	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2142025	
Chloride	4530	100	5	10/13/21	10/14/21	



Sample Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State 35H	Reported: 10/26/2021 6:47:23PM
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	

CONF17-.5'

E110044-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2142024	
Gasoline Range Organics (C6-C10)	308	20.0	1	10/13/21	10/14/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID	99.3 %	70-130		10/13/21	10/14/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2142035	
Diesel Range Organics (C10-C28)	17700	250	10	10/14/21	10/15/21	
Oil Range Organics (C28-C36)	5980	500	10	10/14/21	10/15/21	
Surrogate: n-Nonane	263 %	50-200		10/14/21	10/15/21	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2142025	
Chloride	2550	40.0	2	10/13/21	10/14/21	



Sample Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State 35H	Reported: 10/26/2021 6:47:23PM
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	

CONF18-.5'

E110044-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2142024	
Gasoline Range Organics (C6-C10)	289	20.0	1	10/13/21	10/14/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		103 %	70-130	10/13/21	10/14/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2142035	
Diesel Range Organics (C10-C28)	14000	250	10	10/14/21	10/15/21	
Oil Range Organics (C28-C36)	4850	500	10	10/14/21	10/15/21	
Surrogate: n-Nonane		259 %	50-200	10/14/21	10/15/21	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2142025	
Chloride	5790	100	5	10/13/21	10/14/21	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 35H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
10/26/2021 6:47:23PM

CONF19-1.5'

E110044-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2142024
Benzene	ND	0.0250	1	10/13/21	10/14/21	
Ethylbenzene	ND	0.0250	1	10/13/21	10/14/21	
Toluene	0.0257	0.0250	1	10/13/21	10/14/21	
o-Xylene	0.0424	0.0250	1	10/13/21	10/14/21	
p,m-Xylene	0.129	0.0500	1	10/13/21	10/14/21	
Total Xylenes	0.171	0.0250	1	10/13/21	10/14/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	10/13/21	10/14/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2142024
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/13/21	10/14/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.9 %	70-130	10/13/21	10/14/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2142035
Diesel Range Organics (C10-C28)	576	50.0	2	10/14/21	10/15/21	
Oil Range Organics (C28-C36)	271	100	2	10/14/21	10/15/21	
<i>Surrogate: n-Nonane</i>						
		115 %	50-200	10/14/21	10/15/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2142025
Chloride	2690	40.0	2	10/13/21	10/14/21	



Sample Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State 35H	Reported: 10/26/2021 6:47:23PM
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	

CONF20-1'

E110044-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2142024	
Gasoline Range Organics (C6-C10)	190	20.0	1	10/13/21	10/14/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	10/13/21	10/14/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2142035	
Diesel Range Organics (C10-C28)	9450	250	10	10/14/21	10/15/21	
Oil Range Organics (C28-C36)	3060	500	10	10/14/21	10/15/21	
Surrogate: n-Nonane		188 %	50-200	10/14/21	10/15/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2142025	
Chloride	3710	40.0	2	10/13/21	10/14/21	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 35H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
10/26/2021 6:47:23PM

CONF21-1.5'

E110044-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2142038	
Benzene	ND	0.0250	1	10/14/21	10/15/21	
Ethylbenzene	ND	0.0250	1	10/14/21	10/15/21	
Toluene	ND	0.0250	1	10/14/21	10/15/21	
o-Xylene	ND	0.0250	1	10/14/21	10/15/21	
p,m-Xylene	ND	0.0500	1	10/14/21	10/15/21	
Total Xylenes	ND	0.0250	1	10/14/21	10/15/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	10/14/21	10/15/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2142038	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/21	10/15/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.3 %	70-130	10/14/21	10/15/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2142035	
Diesel Range Organics (C10-C28)	242	25.0	1	10/14/21	10/15/21	
Oil Range Organics (C28-C36)	128	50.0	1	10/14/21	10/15/21	
<i>Surrogate: n-Nonane</i>						
		113 %	50-200	10/14/21	10/15/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2142031	
Chloride	590	20.0	1	10/14/21	10/14/21	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 35H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
10/26/2021 6:47:23PM

CONF22-1.5'

E110044-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2142038	
Benzene	ND	0.0250	1	10/14/21	10/15/21	
Ethylbenzene	ND	0.0250	1	10/14/21	10/15/21	
Toluene	ND	0.0250	1	10/14/21	10/15/21	
o-Xylene	ND	0.0250	1	10/14/21	10/15/21	
p,m-Xylene	ND	0.0500	1	10/14/21	10/15/21	
Total Xylenes	ND	0.0250	1	10/14/21	10/15/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	10/14/21	10/15/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2142038	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/21	10/15/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.3 %	70-130	10/14/21	10/15/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2142035	
Diesel Range Organics (C10-C28)	62.8	25.0	1	10/14/21	10/15/21	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/21	10/15/21	
<i>Surrogate: n-Nonane</i>						
		117 %	50-200	10/14/21	10/15/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2142031	
Chloride	1920	20.0	1	10/14/21	10/14/21	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 35H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
10/26/2021 6:47:23PM

CONF23-1.5'

E110044-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2142038	
Benzene	ND	0.0250	1	10/14/21	10/15/21	
Ethylbenzene	ND	0.0250	1	10/14/21	10/15/21	
Toluene	ND	0.0250	1	10/14/21	10/15/21	
o-Xylene	ND	0.0250	1	10/14/21	10/15/21	
p,m-Xylene	ND	0.0500	1	10/14/21	10/15/21	
Total Xylenes	ND	0.0250	1	10/14/21	10/15/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	10/14/21	10/15/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2142038	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/21	10/15/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		80.5 %	70-130	10/14/21	10/15/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2142035	
Diesel Range Organics (C10-C28)	832	25.0	1	10/14/21	10/15/21	
Oil Range Organics (C28-C36)	381	50.0	1	10/14/21	10/15/21	
<i>Surrogate: n-Nonane</i>		114 %	50-200	10/14/21	10/15/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2142031	
Chloride	1470	40.0	2	10/14/21	10/14/21	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 35H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
10/26/2021 6:47:23PM

CONF24-1.5'

E110044-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2142038	
Benzene	ND	0.0250	1	10/14/21	10/15/21	
Ethylbenzene	ND	0.0250	1	10/14/21	10/15/21	
Toluene	ND	0.0250	1	10/14/21	10/15/21	
o-Xylene	ND	0.0250	1	10/14/21	10/15/21	
p,m-Xylene	ND	0.0500	1	10/14/21	10/15/21	
Total Xylenes	ND	0.0250	1	10/14/21	10/15/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	10/14/21	10/15/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2142038	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/21	10/15/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.1 %	70-130	10/14/21	10/15/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2142035	
Diesel Range Organics (C10-C28)	182	25.0	1	10/14/21	10/15/21	
Oil Range Organics (C28-C36)	104	50.0	1	10/14/21	10/15/21	
<i>Surrogate: n-Nonane</i>						
		113 %	50-200	10/14/21	10/15/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2142031	
Chloride	893	20.0	1	10/14/21	10/14/21	



Sample Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State 35H	Reported: 10/26/2021 6:47:23PM
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	

CONF25-1.5

E110044-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2142038	
Gasoline Range Organics (C6-C10)	120	20.0	1	10/14/21	10/15/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID	99.2 %	70-130		10/14/21	10/15/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2142035	
Diesel Range Organics (C10-C28)	6960	250	10	10/14/21	10/15/21	
Oil Range Organics (C28-C36)	2260	500	10	10/14/21	10/15/21	
Surrogate: n-Nonane	155 %	50-200		10/14/21	10/15/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2142031	
Chloride	725	20.0	1	10/14/21	10/14/21	



Sample Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State 35H	Reported: 10/26/2021 6:47:23PM
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	

CONF26- wall

E110044-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2142038	
Gasoline Range Organics (C6-C10)	34.8	20.0	1	10/14/21	10/15/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.2 %	70-130		10/14/21	10/15/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2142035	
Diesel Range Organics (C10-C28)	7120	250	10	10/14/21	10/15/21	
Oil Range Organics (C28-C36)	2590	500	10	10/14/21	10/15/21	
Surrogate: n-Nonane	116 %	50-200		10/14/21	10/15/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2142031	
Chloride	2600	40.0	2	10/14/21	10/14/21	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 35H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
10/26/2021 6:47:23PM

CONF27- wall

E110044-27

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2142038	
Benzene	ND	0.250	10	10/14/21	10/15/21	
Ethylbenzene	ND	0.250	10	10/14/21	10/15/21	
Toluene	ND	0.250	10	10/14/21	10/15/21	
o-Xylene	ND	0.250	10	10/14/21	10/15/21	
p,m-Xylene	ND	0.500	10	10/14/21	10/15/21	
Total Xylenes	ND	0.250	10	10/14/21	10/15/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/14/21	10/15/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2142038	
Gasoline Range Organics (C6-C10)	ND	200	10	10/14/21	10/15/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.1 %	70-130	10/14/21	10/15/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2142035	
Diesel Range Organics (C10-C28)	410	25.0	1	10/14/21	10/15/21	
Oil Range Organics (C28-C36)	390	50.0	1	10/14/21	10/15/21	
<i>Surrogate: n-Nonane</i>						
		118 %	50-200	10/14/21	10/15/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2142031	
Chloride	3100	40.0	2	10/14/21	10/14/21	



Sample Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State 35H	Reported: 10/26/2021 6:47:23PM
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	

CONF28- wall

E110044-28

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2142038	
Gasoline Range Organics (C6-C10)	143	20.0	1	10/14/21	10/15/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID	99.0 %	70-130		10/14/21	10/15/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2142035	
Diesel Range Organics (C10-C28)	7150	250	10	10/14/21	10/15/21	
Oil Range Organics (C28-C36)	2410	500	10	10/14/21	10/15/21	
Surrogate: n-Nonane	175 %	50-200		10/14/21	10/15/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2142031	
Chloride	2210	40.0	2	10/14/21	10/15/21	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 35H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
10/26/2021 6:47:23PM

CONF29- wall

E110044-29

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2142038	
Benzene	ND	0.0500	2	10/14/21	10/26/21	H4
Ethylbenzene	ND	0.0500	2	10/14/21	10/26/21	H4
Toluene	ND	0.0500	2	10/14/21	10/26/21	H4
o-Xylene	ND	0.0500	2	10/14/21	10/26/21	H4
p,m-Xylene	ND	0.100	2	10/14/21	10/26/21	H4
Total Xylenes	ND	0.0500	2	10/14/21	10/26/21	H4
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/14/21	10/26/21	H4
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2142038	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/21	10/15/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.2 %	70-130	10/14/21	10/15/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2142035	
Diesel Range Organics (C10-C28)	485	25.0	1	10/14/21	10/15/21	
Oil Range Organics (C28-C36)	264	50.0	1	10/14/21	10/15/21	
<i>Surrogate: n-Nonane</i>						
		116 %	50-200	10/14/21	10/15/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2142031	
Chloride	814	20.0	1	10/14/21	10/15/21	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 35H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
10/26/2021 6:47:23PM

BG01-1'

E110044-30

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2142038	
Benzene	ND	0.0250	1	10/14/21	10/15/21	
Ethylbenzene	ND	0.0250	1	10/14/21	10/15/21	
Toluene	ND	0.0250	1	10/14/21	10/15/21	
o-Xylene	ND	0.0250	1	10/14/21	10/15/21	
p,m-Xylene	ND	0.0500	1	10/14/21	10/15/21	
Total Xylenes	ND	0.0250	1	10/14/21	10/15/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/14/21	10/15/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2142038	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/21	10/15/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.8 %	70-130	10/14/21	10/15/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2142035	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/21	10/15/21	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/21	10/15/21	
<i>Surrogate: n-Nonane</i>						
		115 %	50-200	10/14/21	10/15/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2142031	
Chloride	ND	20.0	1	10/14/21	10/15/21	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State 35H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	10/26/2021 6:47:23PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2142024-BLK1)

Prepared: 10/13/21 Analyzed: 10/14/21

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.52		8.00		94.0	70-130			

LCS (2142024-BS1)

Prepared: 10/13/21 Analyzed: 10/14/21

Benzene	4.93	0.0250	5.00		98.6	70-130			
Ethylbenzene	4.77	0.0250	5.00		95.4	70-130			
Toluene	4.94	0.0250	5.00		98.9	70-130			
o-Xylene	4.84	0.0250	5.00		96.8	70-130			
p,m-Xylene	9.70	0.0500	10.0		97.0	70-130			
Total Xylenes	14.5	0.0250	15.0		96.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.79		8.00		97.4	70-130			

LCS Dup (2142024-BSD1)

Prepared: 10/13/21 Analyzed: 10/14/21

Benzene	5.25	0.0250	5.00		105	70-130	6.34	20	
Ethylbenzene	5.07	0.0250	5.00		101	70-130	6.03	20	
Toluene	5.26	0.0250	5.00		105	70-130	6.12	20	
o-Xylene	5.15	0.0250	5.00		103	70-130	6.26	20	
p,m-Xylene	10.3	0.0500	10.0		103	70-130	5.92	20	
Total Xylenes	15.4	0.0250	15.0		103	70-130	6.03	20	
Surrogate: 4-Bromochlorobenzene-PID	7.79		8.00		97.4	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State 35H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	10/26/2021 6:47:23PM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2142038-BLK1)

Prepared: 10/14/21 Analyzed: 10/15/21

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.90		8.00		98.8	70-130			

LCS (2142038-BS1)

Prepared: 10/14/21 Analyzed: 10/15/21

Benzene	4.97	0.0250	5.00		99.5	70-130			
Ethylbenzene	4.78	0.0250	5.00		95.6	70-130			
Toluene	4.97	0.0250	5.00		99.3	70-130			
o-Xylene	4.86	0.0250	5.00		97.1	70-130			
p,m-Xylene	9.73	0.0500	10.0		97.3	70-130			
Total Xylenes	14.6	0.0250	15.0		97.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.90		8.00		98.7	70-130			

LCS Dup (2142038-BSD1)

Prepared: 10/14/21 Analyzed: 10/15/21

Benzene	5.04	0.0250	5.00		101	70-130	1.42	20	
Ethylbenzene	4.85	0.0250	5.00		97.0	70-130	1.51	20	
Toluene	5.04	0.0250	5.00		101	70-130	1.40	20	
o-Xylene	4.93	0.0250	5.00		98.6	70-130	1.52	20	
p,m-Xylene	9.88	0.0500	10.0		98.8	70-130	1.53	20	
Total Xylenes	14.8	0.0250	15.0		98.7	70-130	1.53	20	
Surrogate: 4-Bromochlorobenzene-PID	7.74		8.00		96.8	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State 35H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	10/26/2021 6:47:23PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2142024-BLK1) Prepared: 10/13/21 Analyzed: 10/14/21

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.35		8.00		91.8	70-130			

LCS (2142024-BS2) Prepared: 10/13/21 Analyzed: 10/14/21

Gasoline Range Organics (C6-C10)	54.2	20.0	50.0		108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		93.1	70-130			

LCS Dup (2142024-BSD2) Prepared: 10/13/21 Analyzed: 10/14/21

Gasoline Range Organics (C6-C10)	54.7	20.0	50.0		109	70-130	1.05	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.58		8.00		94.7	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State 35H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	10/26/2021 6:47:23PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2142038-BLK1)

Prepared: 10/14/21 Analyzed: 10/15/21

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.41		8.00		92.6	70-130			

LCS (2142038-BS2)

Prepared: 10/14/21 Analyzed: 10/15/21

Gasoline Range Organics (C6-C10)	52.5	20.0	50.0		105	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.60		8.00		95.0	70-130			

LCS Dup (2142038-BSD2)

Prepared: 10/14/21 Analyzed: 10/15/21

Gasoline Range Organics (C6-C10)	52.9	20.0	50.0		106	70-130	0.868	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.53		8.00		94.1	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State 35H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	10/26/2021 6:47:23PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2142020-BLK1)

Prepared: 10/13/21 Analyzed: 10/13/21

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	59.1		50.0		118	50-200			

LCS (2142020-BS1)

Prepared: 10/13/21 Analyzed: 10/13/21

Diesel Range Organics (C10-C28)	542	25.0	500		108	38-132			
Surrogate: n-Nonane	66.8		50.0		134	50-200			

Matrix Spike (2142020-MS1)

Source: E110055-01

Prepared: 10/13/21 Analyzed: 10/13/21

Diesel Range Organics (C10-C28)	1150	50.0	500	575	114	38-132			
Surrogate: n-Nonane	64.6		50.0		129	50-200			

Matrix Spike Dup (2142020-MSD1)

Source: E110055-01

Prepared: 10/13/21 Analyzed: 10/13/21

Diesel Range Organics (C10-C28)	1320	50.0	500	575	148	38-132	13.9	20	M1
Surrogate: n-Nonane	110		50.0		221	50-200			S2



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State 35H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	10/26/2021 6:47:23PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2142029-BLK1)

Prepared: 10/13/21 Analyzed: 10/13/21

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	65.8		50.0		132	50-200			

LCS (2142029-BS1)

Prepared: 10/13/21 Analyzed: 10/13/21

Diesel Range Organics (C10-C28)	561	25.0	500		112	38-132			
Surrogate: <i>n</i> -Nonane	63.5		50.0		127	50-200			

Matrix Spike (2142029-MS1)

Source: E110060-15

Prepared: 10/13/21 Analyzed: 10/13/21

Diesel Range Organics (C10-C28)	591	25.0	500	89.8	100	38-132			
Surrogate: <i>n</i> -Nonane	56.2		50.0		112	50-200			

Matrix Spike Dup (2142029-MSD1)

Source: E110060-15

Prepared: 10/13/21 Analyzed: 10/13/21

Diesel Range Organics (C10-C28)	600	25.0	500	89.8	102	38-132	1.50	20	
Surrogate: <i>n</i> -Nonane	58.3		50.0		117	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State 35H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	10/26/2021 6:47:23PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2142035-BLK1)

Prepared: 10/14/21 Analyzed: 10/14/21

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	55.1		50.0		110	50-200			

LCS (2142035-BS1)

Prepared: 10/14/21 Analyzed: 10/14/21

Diesel Range Organics (C10-C28)	483	25.0	500		96.7	38-132			
Surrogate: <i>n</i> -Nonane	54.5		50.0		109	50-200			

LCS Dup (2142035-BSD1)

Prepared: 10/14/21 Analyzed: 10/14/21

Diesel Range Organics (C10-C28)	486	25.0	500		97.1	38-132	0.419	20	
Surrogate: <i>n</i> -Nonane	55.6		50.0		111	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State 35H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	10/26/2021 6:47:23PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2142025-BLK1)					Prepared: 10/13/21 Analyzed: 10/13/21				
Chloride	ND	20.0							
LCS (2142025-BS1)					Prepared: 10/13/21 Analyzed: 10/13/21				
Chloride	243	20.0	250		97.4	90-110			
LCS Dup (2142025-BSD1)					Prepared: 10/13/21 Analyzed: 10/13/21				
Chloride	244	20.0	250		97.7	90-110	0.332	20	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State 35H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	10/26/2021 6:47:23PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2142031-BLK1)

Prepared: 10/14/21 Analyzed: 10/14/21

Chloride ND 20.0

LCS (2142031-BS1)

Prepared: 10/14/21 Analyzed: 10/14/21

Chloride 245 20.0 250 98.1 90-110

LCS Dup (2142031-BSD1)

Prepared: 10/14/21 Analyzed: 10/14/21

Chloride 246 20.0 250 98.4 90-110 0.330 20

QC Summary Report Comment:

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



Definitions and Notes

Devon Energy - Carlsbad	Project Name:	Pinnacle State 35H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	10/26/21 18:47

- H4 Initial analysis was within holding time. Re-analysis was past holding time.
- M1 Matrix spike recovery was above acceptance limits. The associated LCS spike recovery was acceptable.
- S2 Surrogate spike recovery was outside of the established acceptance limits. Sample was reanalyzed with similar results.
- S5 Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



Chain of Custody

Client: <u>Devon</u>		Chain of Custody		Page <u>1</u> of <u> </u>										
Project: <u>Pinnacle State 35H</u>		Bill To		Lab Use Only					TAT				EPA Program	
Project Manager: <u>Ashley Giovenego</u>		Attention: <u>Jim Raley</u>		Lab WO#		Job Number			1D	2D	3D	Standard	CWA	SDWA
Address: <u>1224 Standpipe</u>		Address: <u>5315 Buena Vista Dr</u>		<u>E110044</u>		<u>01058-0007</u>						<u>X</u>		
City, State, Zip: <u>Carlsbad NM 88220</u>		City, State, Zip: <u>Carlsbad NM 88220</u>		Analysis and Method										RCRA
Phone: <u>505 782 1211</u>		Phone: <u>575-684-7597</u>												State
Email: <u>ashley.giovenego@nrcosconinc.com</u>		Email: <u>jim.raley@devon.com</u>												NM
Report due by: <u> </u>				by 8015	by 8015	021	60	10	30.0	M				

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO b	GRO/DRO b	BTEX by 802	VOC by 826	Metals 60101	Chloride 302		BGDOC NM	BGDOC TX		Remarks
7:11	10/8	S	1 jar	CONF01 - .5'	1	X	X				X					
7:15				CONF02 - .5'	2											
7:19				CONF03 - .5'	3											
7:27				CONF04 - .5'	4											
7:32				CONF05 - .5'	5											
7:39				CONF06 - 0'	6											
7:47				CONF07 - 0'	7											
7:53				CONF08 - 0'	8											
8:03				CONF09 - .5'	9											
8:10				CONF10 - 1'	10											

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.						Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 5 °C on subsequent days.					
Relinquished by: (Signature)			Date	Time	Received by: (Signature)			Date	Time		
			10-11-21	9:49 am				10-11-21	949	Lab Use Only Y / N	
Relinquished by: (Signature)			Date	Time	Received by: (Signature)			Date	Time	Received on ice:	
			10-11-21	1645				10-11-21	11:00	T1 _____ T2 _____ T3 _____	
Relinquished by: (Signature)			Date	Time	Received by: (Signature)			Date	Time	AVG Temp °C	
										4	
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____								Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA _____			
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.											



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Client: Devon
 Project: Pinnacle State 3SH
 Project Manager: Ashley Giovergo
 Address: 1227 Standpipe
 City, State, Zip: Carlsbad NM 88220
 Phone: 909-382-1211
 Email: ashley.giovergo@wescominc.com
 Report due by:

Bill To
 Attention: Jim Raley
 Address: 5315 Buena Vista Dr.
 City, State, Zip: Carlsbad NM 88220
 Phone: 575-689-7597
 Email: jim.raley@drn.com

Lab Use Only				TAT				EPA Program	
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA	RCRA	
<u>E110044</u>	<u>010580007</u>				<u>X</u>				
Analysis and Method								State	
DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BDOC NM	BDOC TX	NM	CO
<u>X</u>	<u>X</u>				<u>X</u>			<u>X</u>	
								UT	AZ
								TX	
Remarks									

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number
8:14	10/8	S	1	CONF 11 - 1'	11
8:18				CONF 12 - 1'	12
8:21				CONF 13 - .5'	13
8:31				CONF 14 - .5'	14
8:35				CONF 15 - .5'	15
8:39				CONF 16 - .5'	16
8:42				CONF 17 - .5'	17
8:44				CONF 18 - .5'	18
9:06				CONF 19 - 1.5'	19
9:09				CONF 20 - 1'	20

Additional Instructions:

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

Sampled by:

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
<u>[Signature]</u>	10-11-21	9:49am	<u>[Signature]</u>	10-11-21	949
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
<u>[Signature]</u>	10-11-21	1040	<u>[Signature]</u>	10/12/21	11:00
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
 Received on ice: Y N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

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

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

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



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Chain of Custody

Client: Devon
Project: Pinnacle State 354
Project Manager: Ashley Ciovenago
Address: 1224 Sandpipe
City, State, Zip: Carlsbad NM 88220
Phone: 505-382-1211
Email: ashley.giovenago@wescominc.com
Report due by:

Bill To
Attention: Jim Raley
Address: 5315 Buena Vista Dr.
City, State, Zip Carlsbad NM 88220
Phone: 575-689-7597
Email: jim.raley@dnr.com

[illegible]

Additional Instructions:

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

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

Relinquished by: (Signature) <i>[Signature]</i>	Date 10-11-21	Time 9:49am	Received by: (Signature) <i>[Signature]</i>	Date 10-11-21	Time 949
Relinquished by: (Signature) <i>[Signature]</i>	Date 10-11-21	Time 1640	Received by: (Signature) <i>[Signature]</i>	Date 10/12/21	Time 11:00
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only		
Received on ice:	Y	N
T1	T2	T3
AVG Temp °C 4		

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

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

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

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Envirotech Analytical Laboratory

Printed: 10/12/2021 1:56:26PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Devon Energy - Carlsbad	Date Received:	10/12/21 11:00	Work Order ID:	E110044
Phone:	(505) 382-1211	Date Logged In:	10/12/21 07:50	Logged In By:	Alexa Michaels
Email:	ashley.giovengo@wescominc.com	Due Date:	10/18/21 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: FedEx**Comments/Resolution****Sample Turn Around Time (TAT)**

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



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Chain of Custody

Page 1 of 3

Client: <u>Devon</u> Project: <u>Pinnacle Gate 35H</u> Project Manager: <u>Ashley Giovenego</u> Address: <u>1224 Gladys Ave</u> City, State, Zip: <u>Carlsbad NM 88220</u> Phone: <u>505 782 1211</u> Email: <u>ashley.giovenego@wescoinc.com</u> Report due by:					Bill To Attention: <u>Jim Raley</u> Address: <u>5315 Buena Vista Dr</u> City, State, Zip: <u>Carlsbad NM 88220</u> Phone: <u>575-689-7597</u> Email: <u>jim.raley@devn.com</u>					Lab Use Only Lab WO# <u>E110044</u> Job Number <u>01058-0007</u> Analysis and Method						TAT 1D 2D 3D Standard <u>X</u> EPA Program CWA SDWA RCRA			
					State NM CO UT AZ TX <u>X</u>														
					DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX														
					Remarks														

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number
11:15	10/8	S	1 jar	CONF01 - .5'	1
1:14				CONF02 - .5'	2
7:27				CONF03 - .5'	3
7:32				CONF04 - .5'	4
7:39				CONF05 - .5'	5
7:47				CONF06 - 0'	6
7:53				CONF07 - 0'	7
8:03				CONF08 - 0'	8
8:10				CONF09 - .5'	9
				CONF10 - 1'	10

Additional Instructions:

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

Relinquished by: (Signature) Rob. Bush Date 10-11-21 Time 9:49 am

Relinquished by: (Signature) [Signature] Date 10-11-21 Time 1645

Relinquished by: (Signature) [Signature] Date 10-11-21 Time 11:00

Received by: (Signature) [Signature] Date 10-11-21 Time 949

Received by: (Signature) [Signature] Date 10-11-21 Time 11:00

Received by: (Signature) [Signature] Date 10-11-21 Time 11:00

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

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

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

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

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


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Chain of Custody

Page 3 of 3

Client: <u>Devon</u>		Bill To		Lab Use Only		TAT		EPA Program					
Project: <u>Pinnacle State 354</u>		Attention: <u>Jim Raley</u>		Lab WO# <u>E110044</u>		Job Number <u>010580007</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Ashley Giovenco</u>		Address: <u>5315 Buena Vista Dr.</u>		City, State, Zip: <u>Carlsbad NM 88220</u>		Phone: <u>575-689-7597</u>		Email: <u>jim.raley@devn.com</u>		Analysis and Method		RCRA	
Address: <u>1229 Standpipe</u>		City, State, Zip: <u>Carlsbad NM 88220</u>		Phone: <u>505-382-1211</u>		Email: <u>ashley.giovenco@wescominc.com</u>		Report due by:		State		NM CO UT AZ TX	
Report due by:													

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BDOC NM	BDOC TX	Remarks
9:13	10/8	S	1 jar	CONF 21 - 1.5'	21	X	X	X			X			
9:21				CONF 22 - 1.5'	22			X						
9:24				CONF 23 - 1.5'	23			X						
9:28				CONF 24 - 1.5'	24			X						
9:33				CONF 25 - 1.5'	25									
9:35				CONF 26 - wall	26									
9:44				CONF 27 - wall	27			X						
9:50				CONF 28 - wall	28									
9:53				CONF 29 wall	29			X						
7:19	10/11			BG01 - 1'	30			X						

BTEX Analysis added per A. Giovenco 10/20/21

Additional Instructions:

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

Sampled by:

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <u>Y</u> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
<u>Joe Purn</u>	10-11-21	9:49am	<u>[Signature]</u>	10-11-21	949	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<u>[Signature]</u>	10-11-21	1640	<u>[Signature]</u>	10/12/21	11:00	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

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

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

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



envirotech

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Pinnacle State 35H

Work Order: E111021

Job Number: 01058-0007

Received: 11/2/2021

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/12/21

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 11/12/21

Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210



Project Name: Pinnacle State 35H
Workorder: E111021
Date Received: 11/2/2021 10:00:00PM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/2/2021 10:00:00PM, under the Project Name: Pinnacle State 35H.

The analytical test results summarized in this report with the Project Name: Pinnacle State 35H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
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Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Pinnacle State 35H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 11/12/21 16:50
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CONF 01A-.5'	E111021-01A	Soil	10/29/21	11/02/21	Glass Jar, 4 oz.
CONF 02A-1'	E111021-02A	Soil	10/29/21	11/02/21	Glass Jar, 4 oz.
CONF 03A-1'	E111021-03A	Soil	11/01/21	11/02/21	Glass Jar, 4 oz.
CONF 04A-1'	E111021-04A	Soil	11/01/21	11/02/21	Glass Jar, 4 oz.
CONF 05A-1'	E111021-05A	Soil	10/29/21	11/02/21	Glass Jar, 4 oz.
CONF 06A-.5'	E111021-06A	Soil	11/01/21	11/02/21	Glass Jar, 4 oz.
CONF 07A-.5'	E111021-07A	Soil	10/29/21	11/02/21	Glass Jar, 4 oz.
CONF 08A-1'	E111021-08A	Soil	10/29/21	11/02/21	Glass Jar, 4 oz.
CONF 09A-1'	E111021-09A	Soil	10/29/21	11/02/21	Glass Jar, 4 oz.
CONF 10A-1.5'	E111021-10A	Soil	10/29/21	11/02/21	Glass Jar, 4 oz.
CONF 11A-1.5'	E111021-11A	Soil	10/29/21	11/02/21	Glass Jar, 4 oz.
CONF 12A-1.5'	E111021-12A	Soil	10/29/21	11/02/21	Glass Jar, 4 oz.
CONF 14A-1.5'	E111021-13A	Soil	10/29/21	11/02/21	Glass Jar, 4 oz.
CONF 15A-1.5'	E111021-14A	Soil	11/01/21	11/02/21	Glass Jar, 4 oz.
CONF 16A-1.5'	E111021-15A	Soil	10/29/21	11/02/21	Glass Jar, 4 oz.
CONF 17A-1.5'	E111021-16A	Soil	10/29/21	11/02/21	Glass Jar, 4 oz.
CONF 18A-1.5'	E111021-17A	Soil	11/01/21	11/02/21	Glass Jar, 4 oz.
CONF 20A-1.5'	E111021-18A	Soil	11/01/21	11/02/21	Glass Jar, 4 oz.
CONF 25A-1.5'	E111021-19A	Soil	10/29/21	11/02/21	Glass Jar, 4 oz.
CONF 26A-WALL	E111021-20A	Soil	10/29/21	11/02/21	Glass Jar, 4 oz.
CONF 28A-WALL	E111021-21A	Soil	10/29/21	11/02/21	Glass Jar, 4 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Pinnacle State 35H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 11/12/2021 4:50:25PM
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CONF 01A-.5'

E111021-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2145060	
Benzene	ND	0.0250	1	11/05/21	11/12/21	
Ethylbenzene	ND	0.0250	1	11/05/21	11/12/21	
Toluene	ND	0.0250	1	11/05/21	11/12/21	
o-Xylene	ND	0.0250	1	11/05/21	11/12/21	
p,m-Xylene	ND	0.0500	1	11/05/21	11/12/21	
Total Xylenes	ND	0.0250	1	11/05/21	11/12/21	
Surrogate: 4-Bromochlorobenzene-PID	93.5 %	70-130		11/05/21	11/12/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2145060	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/05/21	11/12/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID	104 %	70-130		11/05/21	11/12/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2145063	
Diesel Range Organics (C10-C28)	37.8	25.0	1	11/05/21	11/09/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/05/21	11/09/21	
Surrogate: n-Nonane	108 %	50-200		11/05/21	11/09/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2145040	
Chloride	1370	20.0	1	11/04/21	11/07/21	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 35H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
11/12/2021 4:50:25PM

CONF 02A-1'

E111021-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2145060
Benzene	ND	0.0250	1	11/05/21	11/12/21	
Ethylbenzene	ND	0.0250	1	11/05/21	11/12/21	
Toluene	ND	0.0250	1	11/05/21	11/12/21	
o-Xylene	ND	0.0250	1	11/05/21	11/12/21	
p,m-Xylene	ND	0.0500	1	11/05/21	11/12/21	
Total Xylenes	ND	0.0250	1	11/05/21	11/12/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.5 %	70-130		11/05/21	11/12/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2145060
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/05/21	11/12/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	105 %	70-130		11/05/21	11/12/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2145063
Diesel Range Organics (C10-C28)	ND	25.0	1	11/05/21	11/09/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/05/21	11/09/21	
<i>Surrogate: n-Nonane</i>						
	110 %	50-200		11/05/21	11/09/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2145040
Chloride	778	20.0	1	11/04/21	11/07/21	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 35H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
11/12/2021 4:50:25PM

CONF 03A-1'

E111021-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2145060
Benzene	ND	0.0250	1	11/05/21	11/12/21	
Ethylbenzene	ND	0.0250	1	11/05/21	11/12/21	
Toluene	ND	0.0250	1	11/05/21	11/12/21	
o-Xylene	ND	0.0250	1	11/05/21	11/12/21	
p,m-Xylene	ND	0.0500	1	11/05/21	11/12/21	
Total Xylenes	ND	0.0250	1	11/05/21	11/12/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.7 %	70-130		11/05/21	11/12/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2145060
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/05/21	11/12/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	104 %	70-130		11/05/21	11/12/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2145063
Diesel Range Organics (C10-C28)	205	25.0	1	11/05/21	11/09/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/05/21	11/09/21	
<i>Surrogate: n-Nonane</i>						
	111 %	50-200		11/05/21	11/09/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2145040
Chloride	1780	20.0	1	11/04/21	11/09/21	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 35H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
11/12/2021 4:50:25PM

CONF 04A-1'

E111021-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2145060
Benzene	ND	0.0250	1	11/05/21	11/12/21	
Ethylbenzene	ND	0.0250	1	11/05/21	11/12/21	
Toluene	ND	0.0250	1	11/05/21	11/12/21	
o-Xylene	ND	0.0250	1	11/05/21	11/12/21	
p,m-Xylene	ND	0.0500	1	11/05/21	11/12/21	
Total Xylenes	ND	0.0250	1	11/05/21	11/12/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.9 %	70-130		11/05/21	11/12/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2145060
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/05/21	11/12/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	106 %	70-130		11/05/21	11/12/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2145063
Diesel Range Organics (C10-C28)	ND	25.0	1	11/05/21	11/09/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/05/21	11/09/21	
<i>Surrogate: n-Nonane</i>						
	107 %	50-200		11/05/21	11/09/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2145040
Chloride	1070	20.0	1	11/04/21	11/09/21	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 35H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
11/12/2021 4:50:25PM

CONF 05A-1'

E111021-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2145060
Benzene	ND	0.0250	1	11/05/21	11/12/21	
Ethylbenzene	ND	0.0250	1	11/05/21	11/12/21	
Toluene	ND	0.0250	1	11/05/21	11/12/21	
o-Xylene	ND	0.0250	1	11/05/21	11/12/21	
p,m-Xylene	ND	0.0500	1	11/05/21	11/12/21	
Total Xylenes	ND	0.0250	1	11/05/21	11/12/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.4 %	70-130		11/05/21	11/12/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2145060
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/05/21	11/12/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	105 %	70-130		11/05/21	11/12/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2145063
Diesel Range Organics (C10-C28)	327	25.0	1	11/05/21	11/09/21	
Oil Range Organics (C28-C36)	178	50.0	1	11/05/21	11/09/21	
<i>Surrogate: n-Nonane</i>						
	109 %	50-200		11/05/21	11/09/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2145040
Chloride	1710	20.0	1	11/04/21	11/09/21	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 35H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
11/12/2021 4:50:25PM

CONF 06A-.5'

E111021-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2145060
Benzene	ND	0.0250	1	11/05/21	11/12/21	
Ethylbenzene	ND	0.0250	1	11/05/21	11/12/21	
Toluene	ND	0.0250	1	11/05/21	11/12/21	
o-Xylene	ND	0.0250	1	11/05/21	11/12/21	
p,m-Xylene	ND	0.0500	1	11/05/21	11/12/21	
Total Xylenes	ND	0.0250	1	11/05/21	11/12/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.4 %	70-130		11/05/21	11/12/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2145060
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/05/21	11/12/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	104 %	70-130		11/05/21	11/12/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2145063
Diesel Range Organics (C10-C28)	30.0	25.0	1	11/05/21	11/09/21	
Oil Range Organics (C28-C36)	59.1	50.0	1	11/05/21	11/09/21	
<i>Surrogate: n-Nonane</i>						
	109 %	50-200		11/05/21	11/09/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2145040
Chloride	822	20.0	1	11/04/21	11/09/21	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 35H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
11/12/2021 4:50:25PM

CONF 07A-.5'

E111021-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2145060
Benzene	ND	0.0250	1	11/05/21	11/12/21	
Ethylbenzene	ND	0.0250	1	11/05/21	11/12/21	
Toluene	ND	0.0250	1	11/05/21	11/12/21	
o-Xylene	ND	0.0250	1	11/05/21	11/12/21	
p,m-Xylene	ND	0.0500	1	11/05/21	11/12/21	
Total Xylenes	ND	0.0250	1	11/05/21	11/12/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.0 %	70-130		11/05/21	11/12/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2145060
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/05/21	11/12/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	104 %	70-130		11/05/21	11/12/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2145063
Diesel Range Organics (C10-C28)	139	25.0	1	11/05/21	11/09/21	
Oil Range Organics (C28-C36)	101	50.0	1	11/05/21	11/09/21	
<i>Surrogate: n-Nonane</i>						
	108 %	50-200		11/05/21	11/09/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2145040
Chloride	1960	20.0	1	11/04/21	11/09/21	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 35H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
11/12/2021 4:50:25PM

CONF 08A-1'

E111021-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2145060
Benzene	ND	0.0250	1	11/05/21	11/12/21	
Ethylbenzene	ND	0.0250	1	11/05/21	11/12/21	
Toluene	ND	0.0250	1	11/05/21	11/12/21	
o-Xylene	0.135	0.0250	1	11/05/21	11/12/21	
p,m-Xylene	0.232	0.0500	1	11/05/21	11/12/21	
Total Xylenes	0.368	0.0250	1	11/05/21	11/12/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.4 %	70-130		11/05/21	11/12/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2145060
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/05/21	11/12/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	103 %	70-130		11/05/21	11/12/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2145063
Diesel Range Organics (C10-C28)	3860	25.0	1	11/05/21	11/09/21	
Oil Range Organics (C28-C36)	2220	50.0	1	11/05/21	11/09/21	
<i>Surrogate: n-Nonane</i>						
	110 %	50-200		11/05/21	11/09/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2145040
Chloride	5260	100	5	11/04/21	11/09/21	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 35H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
11/12/2021 4:50:25PM

CONF 09A-1'

E111021-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2145060
Benzene	ND	0.0250	1	11/05/21	11/12/21	
Ethylbenzene	ND	0.0250	1	11/05/21	11/12/21	
Toluene	ND	0.0250	1	11/05/21	11/12/21	
o-Xylene	ND	0.0250	1	11/05/21	11/12/21	
p,m-Xylene	ND	0.0500	1	11/05/21	11/12/21	
Total Xylenes	ND	0.0250	1	11/05/21	11/12/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.2 %	70-130		11/05/21	11/12/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2145060
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/05/21	11/12/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	104 %	70-130		11/05/21	11/12/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2145063
Diesel Range Organics (C10-C28)	1820	250	10	11/05/21	11/11/21	
Oil Range Organics (C28-C36)	1340	500	10	11/05/21	11/11/21	
<i>Surrogate: n-Nonane</i>						
	107 %	50-200		11/05/21	11/11/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2145040
Chloride	3010	40.0	2	11/04/21	11/09/21	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 35H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
11/12/2021 4:50:25PM

CONF 10A-1.5'

E111021-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2145060
Benzene	ND	0.0250	1	11/05/21	11/12/21	
Ethylbenzene	ND	0.0250	1	11/05/21	11/12/21	
Toluene	ND	0.0250	1	11/05/21	11/12/21	
o-Xylene	ND	0.0250	1	11/05/21	11/12/21	
p,m-Xylene	ND	0.0500	1	11/05/21	11/12/21	
Total Xylenes	ND	0.0250	1	11/05/21	11/12/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.3 %	70-130		11/05/21	11/12/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2145060
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/05/21	11/12/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	104 %	70-130		11/05/21	11/12/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2145063
Diesel Range Organics (C10-C28)	88.6	25.0	1	11/05/21	11/11/21	
Oil Range Organics (C28-C36)	86.3	50.0	1	11/05/21	11/11/21	
<i>Surrogate: n-Nonane</i>						
	109 %	50-200		11/05/21	11/11/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2145040
Chloride	3820	40.0	2	11/04/21	11/09/21	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 35H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
11/12/2021 4:50:25PM

CONF 11A-1.5'

E111021-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2145060
Benzene	ND	0.0250	1	11/05/21	11/12/21	
Ethylbenzene	ND	0.0250	1	11/05/21	11/12/21	
Toluene	0.0757	0.0250	1	11/05/21	11/12/21	
o-Xylene	1.59	0.0250	1	11/05/21	11/12/21	
p,m-Xylene	3.09	0.0500	1	11/05/21	11/12/21	
Total Xylenes	4.68	0.0250	1	11/05/21	11/12/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.5 %	70-130		11/05/21	11/12/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2145060
Gasoline Range Organics (C6-C10)	57.5	20.0	1	11/05/21	11/12/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	111 %	70-130		11/05/21	11/12/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2145063
Diesel Range Organics (C10-C28)	6420	500	20	11/05/21	11/11/21	
Oil Range Organics (C28-C36)	3520	1000	20	11/05/21	11/11/21	
<i>Surrogate: n-Nonane</i>						
	136 %	50-200		11/05/21	11/11/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2145040
Chloride	6990	200	10	11/04/21	11/09/21	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 35H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
11/12/2021 4:50:25PM

CONF 12A-1.5'

E111021-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2145060
Benzene	ND	0.0250	1	11/05/21	11/12/21	
Ethylbenzene	ND	0.0250	1	11/05/21	11/12/21	
Toluene	ND	0.0250	1	11/05/21	11/12/21	
o-Xylene	ND	0.0250	1	11/05/21	11/12/21	
p,m-Xylene	ND	0.0500	1	11/05/21	11/12/21	
Total Xylenes	ND	0.0250	1	11/05/21	11/12/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.0 %	70-130		11/05/21	11/12/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2145060
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/05/21	11/12/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	104 %	70-130		11/05/21	11/12/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2145063
Diesel Range Organics (C10-C28)	ND	25.0	1	11/05/21	11/11/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/05/21	11/11/21	
<i>Surrogate: n-Nonane</i>						
	103 %	50-200		11/05/21	11/11/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2145040
Chloride	912	20.0	1	11/04/21	11/09/21	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 35H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
11/12/2021 4:50:25PM

CONF 14A-1.5'

E111021-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2145060
Benzene	ND	0.0250	1	11/05/21	11/12/21	
Ethylbenzene	ND	0.0250	1	11/05/21	11/12/21	
Toluene	ND	0.0250	1	11/05/21	11/12/21	
o-Xylene	ND	0.0250	1	11/05/21	11/12/21	
p,m-Xylene	ND	0.0500	1	11/05/21	11/12/21	
Total Xylenes	ND	0.0250	1	11/05/21	11/12/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.9 %	70-130		11/05/21	11/12/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2145060
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/05/21	11/12/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	106 %	70-130		11/05/21	11/12/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2145063
Diesel Range Organics (C10-C28)	ND	25.0	1	11/05/21	11/09/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/05/21	11/09/21	
<i>Surrogate: n-Nonane</i>						
	111 %	50-200		11/05/21	11/09/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2145040
Chloride	1880	40.0	2	11/04/21	11/08/21	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 35H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
11/12/2021 4:50:25PM

CONF 15A-1.5'

E111021-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2145060
Benzene	ND	0.0250	1	11/05/21	11/12/21	
Ethylbenzene	ND	0.0250	1	11/05/21	11/12/21	
Toluene	ND	0.0250	1	11/05/21	11/12/21	
o-Xylene	ND	0.0250	1	11/05/21	11/12/21	
p,m-Xylene	ND	0.0500	1	11/05/21	11/12/21	
Total Xylenes	ND	0.0250	1	11/05/21	11/12/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.3 %	70-130		11/05/21	11/12/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2145060
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/05/21	11/12/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	106 %	70-130		11/05/21	11/12/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2145063
Diesel Range Organics (C10-C28)	ND	25.0	1	11/05/21	11/09/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/05/21	11/09/21	
<i>Surrogate: n-Nonane</i>						
	111 %	50-200		11/05/21	11/09/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2145040
Chloride	5230	100	5	11/04/21	11/08/21	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 35H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
11/12/2021 4:50:25PM

CONF 16A-1.5'

E111021-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2145060
Benzene	ND	0.0250	1	11/05/21	11/12/21	
Ethylbenzene	ND	0.0250	1	11/05/21	11/12/21	
Toluene	ND	0.0250	1	11/05/21	11/12/21	
o-Xylene	ND	0.0250	1	11/05/21	11/12/21	
p,m-Xylene	ND	0.0500	1	11/05/21	11/12/21	
Total Xylenes	ND	0.0250	1	11/05/21	11/12/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.1 %	70-130		11/05/21	11/12/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2145060
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/05/21	11/12/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	104 %	70-130		11/05/21	11/12/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2145063
Diesel Range Organics (C10-C28)	771	25.0	1	11/05/21	11/09/21	
Oil Range Organics (C28-C36)	289	50.0	1	11/05/21	11/09/21	
<i>Surrogate: n-Nonane</i>						
	111 %	50-200		11/05/21	11/09/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2145040
Chloride	1100	20.0	1	11/04/21	11/08/21	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 35H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
11/12/2021 4:50:25PM

CONF 17A-1.5'

E111021-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2145060
Benzene	ND	0.0250	1	11/05/21	11/12/21	
Ethylbenzene	ND	0.0250	1	11/05/21	11/12/21	
Toluene	ND	0.0250	1	11/05/21	11/12/21	
o-Xylene	ND	0.0250	1	11/05/21	11/12/21	
p,m-Xylene	ND	0.0500	1	11/05/21	11/12/21	
Total Xylenes	ND	0.0250	1	11/05/21	11/12/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		91.3 %	70-130	11/05/21	11/12/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2145060
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/05/21	11/12/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		105 %	70-130	11/05/21	11/12/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2145063
Diesel Range Organics (C10-C28)	56.7	25.0	1	11/05/21	11/09/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/05/21	11/09/21	
<i>Surrogate: n-Nonane</i>						
		118 %	50-200	11/05/21	11/09/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2145040
Chloride	194	20.0	1	11/04/21	11/08/21	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 35H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
11/12/2021 4:50:25PM

CONF 18A-1.5'

E111021-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2145060
Benzene	ND	0.0250	1	11/05/21	11/12/21	
Ethylbenzene	ND	0.0250	1	11/05/21	11/12/21	
Toluene	ND	0.0250	1	11/05/21	11/12/21	
o-Xylene	ND	0.0250	1	11/05/21	11/12/21	
p,m-Xylene	ND	0.0500	1	11/05/21	11/12/21	
Total Xylenes	ND	0.0250	1	11/05/21	11/12/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.7 %	70-130		11/05/21	11/12/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2145060
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/05/21	11/12/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	105 %	70-130		11/05/21	11/12/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2145063
Diesel Range Organics (C10-C28)	ND	25.0	1	11/05/21	11/10/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/05/21	11/10/21	
<i>Surrogate: n-Nonane</i>						
	110 %	50-200		11/05/21	11/10/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2145040
Chloride	480	20.0	1	11/04/21	11/08/21	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 35H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
11/12/2021 4:50:25PM

CONF 20A-1.5'

E111021-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2145060
Benzene	ND	0.0250	1	11/05/21	11/12/21	
Ethylbenzene	ND	0.0250	1	11/05/21	11/12/21	
Toluene	ND	0.0250	1	11/05/21	11/12/21	
o-Xylene	ND	0.0250	1	11/05/21	11/12/21	
p,m-Xylene	ND	0.0500	1	11/05/21	11/12/21	
Total Xylenes	ND	0.0250	1	11/05/21	11/12/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.1 %	70-130		11/05/21	11/12/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2145060
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/05/21	11/12/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	107 %	70-130		11/05/21	11/12/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2145063
Diesel Range Organics (C10-C28)	273	25.0	1	11/05/21	11/10/21	
Oil Range Organics (C28-C36)	114	50.0	1	11/05/21	11/10/21	
<i>Surrogate: n-Nonane</i>						
	112 %	50-200		11/05/21	11/10/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2145040
Chloride	2920	40.0	2	11/04/21	11/08/21	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 35H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
11/12/2021 4:50:25PM

CONF 25A-1.5'

E111021-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2145060	
Benzene	ND	0.0250	1	11/05/21	11/12/21	
Ethylbenzene	ND	0.0250	1	11/05/21	11/12/21	
Toluene	ND	0.0250	1	11/05/21	11/12/21	
o-Xylene	ND	0.0250	1	11/05/21	11/12/21	
p,m-Xylene	ND	0.0500	1	11/05/21	11/12/21	
Total Xylenes	ND	0.0250	1	11/05/21	11/12/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	93.4 %	70-130		11/05/21	11/12/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2145060	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/05/21	11/12/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	105 %	70-130		11/05/21	11/12/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2145063	
Diesel Range Organics (C10-C28)	32.1	25.0	1	11/05/21	11/10/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/05/21	11/10/21	
<i>Surrogate: n-Nonane</i>	110 %	50-200		11/05/21	11/10/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2145040	
Chloride	1280	20.0	1	11/04/21	11/08/21	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 35H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
11/12/2021 4:50:25PM

CONF 26A-WALL

E111021-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2145060
Benzene	ND	0.0250	1	11/05/21	11/12/21	
Ethylbenzene	ND	0.0250	1	11/05/21	11/12/21	
Toluene	ND	0.0250	1	11/05/21	11/12/21	
o-Xylene	ND	0.0250	1	11/05/21	11/12/21	
p,m-Xylene	ND	0.0500	1	11/05/21	11/12/21	
Total Xylenes	ND	0.0250	1	11/05/21	11/12/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.7 %	70-130		11/05/21	11/12/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2145060
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/05/21	11/12/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	106 %	70-130		11/05/21	11/12/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2145063
Diesel Range Organics (C10-C28)	ND	25.0	1	11/05/21	11/10/21	
Oil Range Organics (C28-C36)	ND	50.0	1	11/05/21	11/10/21	
<i>Surrogate: n-Nonane</i>						
	112 %	50-200		11/05/21	11/10/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2145040
Chloride	2490	40.0	2	11/04/21	11/08/21	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 35H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
11/12/2021 4:50:25PM

CONF 28A-WALL

E111021-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2145061	
Benzene	ND	0.0250	1	11/05/21	11/12/21	
Ethylbenzene	ND	0.0250	1	11/05/21	11/12/21	
Toluene	ND	0.0250	1	11/05/21	11/12/21	
o-Xylene	ND	0.0250	1	11/05/21	11/12/21	
p,m-Xylene	ND	0.0500	1	11/05/21	11/12/21	
Total Xylenes	ND	0.0250	1	11/05/21	11/12/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	93.2 %	70-130		11/05/21	11/12/21	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2145061	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/05/21	11/12/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	107 %	70-130		11/05/21	11/12/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2145062	
Diesel Range Organics (C10-C28)	208	25.0	1	11/05/21	11/10/21	
Oil Range Organics (C28-C36)	153	50.0	1	11/05/21	11/10/21	
<i>Surrogate: n-Nonane</i>	118 %	50-200		11/05/21	11/10/21	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2145039	
Chloride	1690	20.0	1	11/04/21	11/05/21	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State 35H	Reported: 11/12/2021 4:50:25PM
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2145060-BLK1)

Prepared: 11/05/21 Analyzed: 11/11/21

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.59		8.00		94.8	70-130			

LCS (2145060-BS1)

Prepared: 11/05/21 Analyzed: 11/11/21

Benzene	4.78	0.0250	5.00		95.5	70-130			
Ethylbenzene	4.76	0.0250	5.00		95.2	70-130			
Toluene	4.98	0.0250	5.00		99.6	70-130			
o-Xylene	4.67	0.0250	5.00		93.5	70-130			
p,m-Xylene	9.66	0.0500	10.0		96.6	70-130			
Total Xylenes	14.3	0.0250	15.0		95.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.53		8.00		94.1	70-130			

LCS Dup (2145060-BSD1)

Prepared: 11/05/21 Analyzed: 11/11/21

Benzene	4.89	0.0250	5.00		97.8	70-130	2.43	20	
Ethylbenzene	4.86	0.0250	5.00		97.3	70-130	2.16	20	
Toluene	5.09	0.0250	5.00		102	70-130	2.19	20	
o-Xylene	4.77	0.0250	5.00		95.5	70-130	2.10	20	
p,m-Xylene	9.86	0.0500	10.0		98.6	70-130	1.97	20	
Total Xylenes	14.6	0.0250	15.0		97.5	70-130	2.01	20	
Surrogate: 4-Bromochlorobenzene-PID	7.52		8.00		93.9	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State 35H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	11/12/2021 4:50:25PM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2145061-BLK1)

Prepared: 11/05/21 Analyzed: 11/11/21

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.66		8.00		95.7	70-130			

LCS (2145061-BS1)

Prepared: 11/05/21 Analyzed: 11/11/21

Benzene	4.84	0.0250	5.00		96.9	70-130			
Ethylbenzene	4.70	0.0250	5.00		94.1	70-130			
Toluene	4.87	0.0250	5.00		97.5	70-130			
o-Xylene	4.78	0.0250	5.00		95.5	70-130			
p,m-Xylene	9.58	0.0500	10.0		95.8	70-130			
Total Xylenes	14.4	0.0250	15.0		95.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.17		8.00		102	70-130			

LCS Dup (2145061-BSD1)

Prepared: 11/05/21 Analyzed: 11/11/21

Benzene	4.58	0.0250	5.00		91.6	70-130	5.55	20	
Ethylbenzene	4.41	0.0250	5.00		88.1	70-130	6.56	20	
Toluene	4.58	0.0250	5.00		91.5	70-130	6.28	20	
o-Xylene	4.51	0.0250	5.00		90.3	70-130	5.63	20	
p,m-Xylene	8.98	0.0500	10.0		89.8	70-130	6.45	20	
Total Xylenes	13.5	0.0250	15.0		89.9	70-130	6.18	20	
Surrogate: 4-Bromochlorobenzene-PID	7.87		8.00		98.4	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State 35H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	11/12/2021 4:50:25PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2145060-BLK1) Prepared: 11/05/21 Analyzed: 11/11/21

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.21		8.00		103	70-130			

LCS (2145060-BS2) Prepared: 11/05/21 Analyzed: 11/11/21

Gasoline Range Organics (C6-C10)	48.1	20.0	50.0		96.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.38		8.00		105	70-130			

LCS Dup (2145060-BSD2) Prepared: 11/05/21 Analyzed: 11/12/21

Gasoline Range Organics (C6-C10)	47.5	20.0	50.0		95.0	70-130	1.24	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.51		8.00		106	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State 35H	Reported: 11/12/2021 4:50:25PM
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2145061-BLK1)					Prepared: 11/05/21 Analyzed: 11/11/21				
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		93.0	70-130			

LCS (2145061-BS2)					Prepared: 11/05/21 Analyzed: 11/11/21				
Gasoline Range Organics (C6-C10)	50.2	20.0	50.0		100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.54		8.00		94.3	70-130			

LCS Dup (2145061-BSD2)					Prepared: 11/05/21 Analyzed: 11/11/21				
Gasoline Range Organics (C6-C10)	48.0	20.0	50.0		95.9	70-130	4.63	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.52		8.00		94.0	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State 35H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	11/12/2021 4:50:25PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2145062-BLK1)

Prepared: 11/05/21 Analyzed: 11/09/21

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	61.0		50.0		122	50-200			

LCS (2145062-BS1)

Prepared: 11/05/21 Analyzed: 11/09/21

Diesel Range Organics (C10-C28)	513	25.0	500		103	38-132			
Surrogate: <i>n</i> -Nonane	57.7		50.0		115	50-200			

Matrix Spike (2145062-MS1)

Source: E111009-06

Prepared: 11/05/21 Analyzed: 11/10/21

Diesel Range Organics (C10-C28)	1250	25.0	500	609	128	38-132			
Surrogate: <i>n</i> -Nonane	57.4		50.0		115	50-200			

Matrix Spike Dup (2145062-MSD1)

Source: E111009-06

Prepared: 11/05/21 Analyzed: 11/10/21

Diesel Range Organics (C10-C28)	1250	25.0	500	609	127	38-132	0.477	20	
Surrogate: <i>n</i> -Nonane	59.6		50.0		119	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State 35H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	11/12/2021 4:50:25PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2145063-BLK1)

Prepared: 11/05/21 Analyzed: 11/09/21

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.0		50.0		104	50-200			

LCS (2145063-BS1)

Prepared: 11/05/21 Analyzed: 11/09/21

Diesel Range Organics (C10-C28)	460	25.0	500		91.9	38-132			
Surrogate: n-Nonane	52.4		50.0		105	50-200			

Matrix Spike (2145063-MS1)

Source: E111021-18

Prepared: 11/05/21 Analyzed: 11/09/21

Diesel Range Organics (C10-C28)	711	25.0	500	273	87.6	38-132			
Surrogate: n-Nonane	51.7		50.0		103	50-200			

Matrix Spike Dup (2145063-MSD1)

Source: E111021-18

Prepared: 11/05/21 Analyzed: 11/09/21

Diesel Range Organics (C10-C28)	741	25.0	500	273	93.5	38-132	4.05	20	
Surrogate: n-Nonane	54.5		50.0		109	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State 35H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	11/12/2021 4:50:25PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2145039-BLK1)					Prepared: 11/04/21 Analyzed: 11/05/21				
Chloride	ND	20.0							
LCS (2145039-BS1)					Prepared: 11/04/21 Analyzed: 11/05/21				
Chloride	246	20.0	250		98.3	90-110			
LCS Dup (2145039-BSD1)					Prepared: 11/04/21 Analyzed: 11/05/21				
Chloride	246	20.0	250		98.5	90-110	0.285	20	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State 35H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	11/12/2021 4:50:25PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2145040-BLK1)

Prepared: 11/04/21 Analyzed: 11/06/21

Chloride ND 20.0

LCS (2145040-BS1)

Prepared: 11/04/21 Analyzed: 11/06/21

Chloride 244 20.0 250 97.7 90-110

LCS Dup (2145040-BSD1)

Prepared: 11/04/21 Analyzed: 11/06/21

Chloride 245 20.0 250 97.9 90-110 0.258 20

QC Summary Report Comment:

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



Definitions and Notes

Devon Energy - Carlsbad	Project Name:	Pinnacle State 35H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	11/12/21 16:50

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

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

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



Chain of Custody

PO# 28949

Page 1 of 3

Client: Devon
 Project: Pinnacle State 35H
 Project Manager: Ashley Giovenego
 Address: 1224 Standpipe Rd
 City, State, Zip: Carlsbad NM 88220
 Phone: 505-382-1211
 Email: ashley.giovenego@wescominc.com
 Report due by:

Bill To
 Attention: Jim Raley
 Address: 5315 Buena Vista Dr
 City, State, Zip: Carlsbad NM 88220
 Phone: 575-689-7597
 Email: jim.raley@devn.com

Lab Use Only				TAT				EPA Program	
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA		
<u>E111021</u>	<u>01058-0007</u>				<u>X</u>				
Analysis and Method									
DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX		
						<u>X</u>			
State									
NM	CO	UT	AZ	TX					
<u>X</u>									
Remarks									

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number
10:56	10-29-21	S	1 Jar	CONF01A-.5'	1
12:54	10-29-21	S	1 Jar	CONF02A-1'	2
11:12	11-1-21	S	1 Jar	CONF03A-1'	3
11:16	11-1-21	S	1 Jar	CONF04A-1'	4
14:52	10-29-21	S	1 Jar	CONF05A-1'	5
10:57	11-1-21	S	1 Jar	CONF06A-.5'	6
14:25	10-29-21	S	1 Jar	CONF07A-.5'	7
14:29	10-29-21	S	1 Jar	CONF08A-1'	8
14:32	10-29-21	S	1 Jar	CONF09A-1'	9
14:37	10-29-21	S	1 Jar	CONF10A-1.5'	10

Additional Instructions: preserved on ice, please cc shar.harvester@wescominc.com & jim.raley@devn.com
cole.burton@wescominc.com

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

Sampled by: Cole Burton

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 5 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
<u>[Signature]</u>	<u>11/2/21</u>	<u>1045</u>	<u>[Signature]</u>	<u>11-2-21</u>	<u>1045</u>
<u>[Signature]</u>	<u>11-2-21</u>	<u>1115</u>	<u>[Signature]</u>	<u>11/2/21</u>	<u>22:00</u>
<u>[Signature]</u>			<u>[Signature]</u>		

Lab Use Only		
Received on ice:	<u>Y</u>	N
T1	T2	T3
AVG Temp °C <u>4</u>		

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

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

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



envirotech

Envirotech Analytical Laboratory

Printed: 11/2/2021 10:22:35PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Devon Energy - Carlsbad	Date Received:	11/02/21 22:00	Work Order ID:	E111021
Phone:	(505) 382-1211	Date Logged In:	11/02/21 22:08	Logged In By:	Alexa Michaels
Email:	ashley.giovengo@wescominc.com	Due Date:	11/10/21 17:00 (5 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: Courier**Comments/Resolution****Sample Turn Around Time (TAT)**

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Pinnacle State 35

Work Order: E203018

Job Number: 01058-0007

Received: 3/3/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/4/22

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 3/4/22

Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210



Project Name: Pinnacle State 35
Workorder: E203018
Date Received: 3/3/2022 1:10:00PM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/3/2022 1:10:00PM, under the Project Name: Pinnacle State 35.

The analytical test results summarized in this report with the Project Name: Pinnacle State 35 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
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rainaschwanz@envirotech-inc.com

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Sample Summary

Devon Energy - Carlsbad	Project Name:	Pinnacle State 35	Reported: 03/04/22 13:46
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CONF08B - 12'	E203018-01A	Soil	03/02/22	03/03/22	Glass Jar, 4 oz.
CONF09B - 13'	E203018-02A	Soil	03/02/22	03/03/22	Glass Jar, 4 oz.



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 35
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
3/4/2022 1:46:10PM

CONF08B - 12'

E203018-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2210040
Benzene	ND	0.0250	1	03/03/22	03/03/22	
Ethylbenzene	ND	0.0250	1	03/03/22	03/03/22	
Toluene	ND	0.0250	1	03/03/22	03/03/22	
o-Xylene	ND	0.0250	1	03/03/22	03/03/22	
p,m-Xylene	ND	0.0500	1	03/03/22	03/03/22	
Total Xylenes	ND	0.0250	1	03/03/22	03/03/22	
Surrogate: Bromofluorobenzene	98.9 %	70-130		03/03/22	03/03/22	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		03/03/22	03/03/22	
Surrogate: Toluene-d8	99.2 %	70-130		03/03/22	03/03/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2210040
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/03/22	03/03/22	
Surrogate: Bromofluorobenzene	98.9 %	70-130		03/03/22	03/03/22	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		03/03/22	03/03/22	
Surrogate: Toluene-d8	99.2 %	70-130		03/03/22	03/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2210048
Diesel Range Organics (C10-C28)	ND	25.0	1	03/03/22	03/03/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/03/22	03/03/22	
Surrogate: n-Nonane	92.7 %	50-200		03/03/22	03/03/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2210042
Chloride	515	20.0	1	03/03/22	03/04/22	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Pinnacle State 35
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
3/4/2022 1:46:10PM

CONF09B - 13'

E203018-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2210040	
Benzene	ND	0.0250	1	03/03/22	03/03/22	
Ethylbenzene	ND	0.0250	1	03/03/22	03/03/22	
Toluene	ND	0.0250	1	03/03/22	03/03/22	
o-Xylene	ND	0.0250	1	03/03/22	03/03/22	
p,m-Xylene	ND	0.0500	1	03/03/22	03/03/22	
Total Xylenes	ND	0.0250	1	03/03/22	03/03/22	
Surrogate: Bromofluorobenzene	99.0 %	70-130		03/03/22	03/03/22	
Surrogate: 1,2-Dichloroethane-d4	99.8 %	70-130		03/03/22	03/03/22	
Surrogate: Toluene-d8	99.0 %	70-130		03/03/22	03/03/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2210040	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/03/22	03/03/22	
Surrogate: Bromofluorobenzene	99.0 %	70-130		03/03/22	03/03/22	
Surrogate: 1,2-Dichloroethane-d4	99.8 %	70-130		03/03/22	03/03/22	
Surrogate: Toluene-d8	99.0 %	70-130		03/03/22	03/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2210048	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/03/22	03/03/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/03/22	03/03/22	
Surrogate: n-Nonane	92.9 %	50-200		03/03/22	03/03/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2210042	
Chloride	402	20.0	1	03/03/22	03/04/22	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State 35	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	3/4/2022 1:46:10PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2210040-BLK1)

Prepared: 03/03/22 Analyzed: 03/03/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.497		0.500		99.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.472		0.500		94.3	70-130			
Surrogate: Toluene-d8	0.503		0.500		101	70-130			

LCS (2210040-BS1)

Prepared: 03/03/22 Analyzed: 03/03/22

Benzene	2.14	0.0250	2.50		85.7	70-130			
Ethylbenzene	2.22	0.0250	2.50		88.6	70-130			
Toluene	2.21	0.0250	2.50		88.4	70-130			
o-Xylene	2.18	0.0250	2.50		87.3	70-130			
p,m-Xylene	4.39	0.0500	5.00		87.8	70-130			
Total Xylenes	6.57	0.0250	7.50		87.6	70-130			
Surrogate: Bromofluorobenzene	0.486		0.500		97.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.500		0.500		100	70-130			

Matrix Spike (2210040-MS1)

Source: E203015-03

Prepared: 03/03/22 Analyzed: 03/03/22

Benzene	2.35	0.0250	2.50	ND	94.2	48-131			
Ethylbenzene	2.44	0.0250	2.50	ND	97.7	45-135			
Toluene	2.45	0.0250	2.50	ND	97.9	48-130			
o-Xylene	2.43	0.0250	2.50	ND	97.0	43-135			
p,m-Xylene	4.82	0.0500	5.00	ND	96.5	43-135			
Total Xylenes	7.25	0.0250	7.50	ND	96.7	43-135			
Surrogate: Bromofluorobenzene	0.485		0.500		97.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.501		0.500		100	70-130			
Surrogate: Toluene-d8	0.499		0.500		99.8	70-130			

Matrix Spike Dup (2210040-MSD1)

Source: E203015-03

Prepared: 03/03/22 Analyzed: 03/03/22

Benzene	2.30	0.0250	2.50	ND	92.0	48-131	2.30	23	
Ethylbenzene	2.39	0.0250	2.50	ND	95.7	45-135	2.07	27	
Toluene	2.39	0.0250	2.50	ND	95.5	48-130	2.50	24	
o-Xylene	2.35	0.0250	2.50	ND	94.2	43-135	2.99	27	
p,m-Xylene	4.74	0.0500	5.00	ND	94.7	43-135	1.82	27	
Total Xylenes	7.09	0.0250	7.50	ND	94.5	43-135	2.21	27	
Surrogate: Bromofluorobenzene	0.479		0.500		95.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.510		0.500		102	70-130			
Surrogate: Toluene-d8	0.511		0.500		102	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State 35	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	3/4/2022 1:46:10PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2210040-BLK1)

Prepared: 03/03/22 Analyzed: 03/03/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.497		0.500		99.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.472		0.500		94.3	70-130			
Surrogate: Toluene-d8	0.503		0.500		101	70-130			

LCS (2210040-BS2)

Prepared: 03/03/22 Analyzed: 03/03/22

Gasoline Range Organics (C6-C10)	47.7	20.0	50.0		95.3	70-130			
Surrogate: Bromofluorobenzene	0.492		0.500		98.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.518		0.500		104	70-130			
Surrogate: Toluene-d8	0.505		0.500		101	70-130			

Matrix Spike (2210040-MS2)

Source: E203015-03

Prepared: 03/03/22 Analyzed: 03/03/22

Gasoline Range Organics (C6-C10)	50.5	20.0	50.0	ND	101	70-130			
Surrogate: Bromofluorobenzene	0.495		0.500		98.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.2	70-130			
Surrogate: Toluene-d8	0.502		0.500		100	70-130			

Matrix Spike Dup (2210040-MSD2)

Source: E203015-03

Prepared: 03/03/22 Analyzed: 03/03/22

Gasoline Range Organics (C6-C10)	47.8	20.0	50.0	ND	95.5	70-130	5.51	20	
Surrogate: Bromofluorobenzene	0.496		0.500		99.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.510		0.500		102	70-130			
Surrogate: Toluene-d8	0.503		0.500		101	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Pinnacle State 35	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	3/4/2022 1:46:10PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2210048-BLK1)

Prepared: 03/03/22 Analyzed: 03/03/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	58.2		50.0		116	50-200			

LCS (2210048-BS1)

Prepared: 03/03/22 Analyzed: 03/03/22

Diesel Range Organics (C10-C28)	482	25.0	500		96.4	38-132			
Surrogate: <i>n</i> -Nonane	49.7		50.0		99.4	50-200			

Matrix Spike (2210048-MS1)

Source: E203018-02

Prepared: 03/03/22 Analyzed: 03/03/22

Diesel Range Organics (C10-C28)	488	25.0	500	ND	97.5	38-132			
Surrogate: <i>n</i> -Nonane	53.7		50.0		107	50-200			

Matrix Spike Dup (2210048-MSD1)

Source: E203018-02

Prepared: 03/03/22 Analyzed: 03/03/22

Diesel Range Organics (C10-C28)	502	25.0	500	ND	100	38-132	2.89	20	
Surrogate: <i>n</i> -Nonane	56.8		50.0		114	50-200			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Pinnacle State 35 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 3/4/2022 1:46:10PM
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Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2210042-BLK1)

Prepared: 03/03/22 Analyzed: 03/04/22

Chloride	ND	20.0							
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LCS (2210042-BS1)

Prepared: 03/03/22 Analyzed: 03/04/22

Chloride	247	20.0	250		98.8	90-110			
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Matrix Spike (2210042-MS1)

Source: E203012-01

Prepared: 03/03/22 Analyzed: 03/04/22

Chloride	296	20.0	250	40.4	102	80-120			
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Matrix Spike Dup (2210042-MSD1)

Source: E203012-01

Prepared: 03/03/22 Analyzed: 03/04/22

Chloride	301	20.0	250	40.4	104	80-120	1.87	20	
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QC Summary Report Comment:

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



Definitions and Notes

Devon Energy - Carlsbad	Project Name:	Pinnacle State 35	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	03/04/22 13:46

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

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

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

Project Information

Chain of Custody

Page 1 of 1

Client: Devon		Bill To Attention: Jim Raley Address: 5315 Buena Vista Dr City, State, Zip: Calsbad, NM 88220 Phone: 575-689-7597 Email: jim.raley@dvn.com		Lab Use Only						TAT				EPA Program	
Project: Pinnacle State 35				Lab WO# E 203018		Job Number 61058-0007				1D	2D	3D	Standard	CWA	SDWA
Project Manager: Ashley Giovengo															
Address: 1224 Standpipe Rd															
City, State, Zip: Carlsbad, NM 88220															
Phone: 505-382-1211															
Email: ashley.giovengo@wescominc.com															
Report due by:															

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BDOC NM	BDOC TX	Remarks
10:26	3/2/22	Soil	1 Jar	CONF08B - 12'	1							X		
9:52	3/2/22	Soil	1 Jar	CONF09B - 13'	2							X		

Additional Instructions: Kept on ice, Please CC: cole.burton@wescominc.com, shar.harvester@wescominc.com, jim.raley@dvn.com, ashley.giovengo@wescominc.com

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.						Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.					
Sampled by:						Lab Use Only					
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N					
<i>[Signature]</i>	3-2-22	12:32	<i>[Signature]</i>	3-2-22	1232						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1 T2 T3					
<i>[Signature]</i>	3-2-22	1530	<i>[Signature]</i>	3/3/22	13:10						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	AVG Temp °C 4					

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

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

Envirotech Analytical Laboratory

Printed: 3/3/2022 2:13:22PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Devon Energy - Carlsbad	Date Received:	03/03/22 13:10	Work Order ID:	E203018
Phone:	(505) 382-1211	Date Logged In:	03/02/22 15:44	Logged In By:	Caitlin Christian
Email:	ashley.giovengo@wescominc.com	Due Date:	03/03/22 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: UPSComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

ATTACHMENT F

48-Hour Confirmation Sampling Notification Emails



Energizing America

wescominc.com | info@wescominc.com | 218-724-1322

Pinnacle State #035H | Incident ID: nAPP2127347137



Ashley Giovengo <ashley.giovengo@wescominc.com>

48-Hour Confirmation Sample Notice - nAPP2127347137

1 message

Ashley Giovengo <ashley.giovengo@wescominc.com>

Mon, Oct 4, 2021 at 10:08 PM

To: "Bratcher, Mike, EMNRD" <mike.bratcher@state.nm.us>, "Venegas, Victoria, EMNRD" <Victoria.venegas@state.nm.us>, "Hensley, Chad, EMNRD" <Chad.Hensley@state.nm.us>, "Hamlet, Robert, EMNRD" <Robert.hamlet@state.nm.us>
Cc: "Raley, Jim" <Jim.Raley@dmv.com>, Shar Harvester <shar.harvester@wescominc.com>, Cole Burton <cole.burton@wescominc.com>

Hello All,

We intend to take confirmation samples at the Pinnacle State #035H - nAPP2127347137 starting on (10/06) thru (10/08).

Please let us know if you plan to be onsite to oversee this sampling event.

Thank you,

Ashley Giovengo, Environmental Manager - Permian

O (218) 724-1322 | C (505) 382-1211

WescomInc.com | ashley.giovengo@WescomInc.com

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3/25/22, 1:38 PM

Wescom Inc Mail - 48-Hour Confirmation Sample Notice - nAPP2127347137



Ashley Giovengo <ashley.giovengo@wescominc.com>

48-Hour Confirmation Sample Notice - nAPP2127347137

1 message

Ashley Giovengo <ashley.giovengo@wescominc.com>

Mon, Oct 25, 2021 at 9:45 AM

To: "Hamlet, Robert, EMNRD" <Robert.hamlet@state.nm.us>, "Venegas, Victoria, EMNRD" <Victoria.venegas@state.nm.us>, "Bratcher, Mike, EMNRD" <mike.bratcher@state.nm.us>, "Hensley, Chad, EMNRD" <Chad.Hensley@state.nm.us>
Cc: Joey Croce <joey.croce@wescominc.com>, Cody York <cody.york@wescominc.com>, Shar Harvester <shar.harvester@wescominc.com>, Cole Burton <cole.burton@wescominc.com>, "Raley, Jim" <Jim.Raley@dmv.com>

Hello All,

We intend to take confirmation samples at the Pinnacle State 35H - nAPP2127347137 starting on (10/27) thru (10/28).

Please let us know if you plan to be onsite to oversee this sampling event.

Thanks,

Ashley Giovengo, Environmental Manager - Permian

O (218) 724-1322 | C (505) 382-1211

WescomInc.com | ashley.giovengo@WescomInc.com

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3/25/22, 11:51 AM

Wescom Inc Mail - Re: [EXTERNAL] 48-Hour Confirmation Sample Notice - Pinnacle State 35H (nAPP2127347137)



Ashley Giovengo <ashley.giovengo@wescominc.com>

Re: [EXTERNAL] 48-Hour Confirmation Sample Notice - Pinnacle State 35H (nAPP2127347137)

1 message

Ashley Giovengo <ashley.giovengo@wescominc.com>

Wed, Mar 2, 2022 at 12:41 AM

To: "Hamlet, Robert, EMNRD" <Robert.Hamlet@state.nm.us>

Cc: "Bratcher, Mike, EMNRD" <mike.bratcher@state.nm.us>, "Hensley, Chad, EMNRD" <Chad.Hensley@state.nm.us>, "Nobui, Jennifer, EMNRD" <Jennifer.Nobui@state.nm.us>, "Billings, Bradford, EMNRD" <Bradford.Billings@state.nm.us>, "Velez, Nelson, EMNRD" <Nelson.Velez@state.nm.us>, "Raley, Jim" <Jim.Raley@div.com>, Shar Harvester <shar.harvester@wescominc.com>, Cole Burton <cole.burton@wescominc.com>

Hello All,

Wescom would like to extend this confirmation sampling period by one day. Vertical delineation has not been completed and will likely continue until (03/02/22).

Thanks,

Ashley Giovengo, Environmental Manager - Permian

O (218) 724-1322 | C (505) 382-1211

WescomInc.com | ashley.giovengo@WescomInc.com

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On Tue, Mar 1, 2022 at 9:30 AM Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us> wrote:

Ashley,

Thank you for the call this morning. Go ahead and collect the 3 or 4 samples near the wellhead that are required. In the future, please make sure the OCD has 48 hours' notice before a sampling event occurs. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Regards,

Robert Hamlet • Environmental Specialist - Advanced

Environmental Bureau

EMNRD - Oil Conservation Division

811 S. First Street | Artesia, NM 88210

575.909.0302 | robert.hamlet@state.nm.us

<http://www.emnrd.state.nm.us/OCD/>

3/25/22, 11:51 AM

Wescom Inc Mail - Re: [EXTERNAL] 48-Hour Confirmation Sample Notice - Pinnacle State 35H (nAPP2127347137)



From: Ashley Giovengo <ashley.giovengo@wescominc.com>

Sent: Tuesday, March 1, 2022 7:42 AM

To: Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>; Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>; Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>

Cc: Raley, Jim <Jim.Raley@dmv.com>; Shar Harvester <shar.harvester@wescominc.com>; Cole Burton <cole.burton@wescominc.com>

Subject: [EXTERNAL] 48-Hour Confirmation Sample Notice - Pinnacle State 35H (nAPP2127347137)

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Hello All,

We intend to take confirmation samples at the Pinnacle State 35H - nAPP2127347137 starting on (03/01/22).

Please let us know if you plan to be onsite to oversee this sampling event.

Thanks,

Ashley Giovengo, Environmental Manager - Permian

O (218) 724-1322 | **C** (505) 382-1211

WescomInc.com | ashley.giovengo@WescomInc.com

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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 95216

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 95216
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Revised Deferral Request Approved. Please implement 19.15.29.13 NMAC when completing P&A.	4/5/2022