

Incident ID	nAPP2201742024
District RP	
Facility ID	
Application ID	

## Closure

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

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

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

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

Printed Name: Jim Raley Title: Environmental Specialist

Signature:  Date: 5/16/2022

email: jim.raley@dv.com Telephone: 575-689-7597

### OCD Only

Received by: Robert Hamlet Date: 10/21/2022

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

Closure Approved by: Robert Hamlet Date: 10/21/2022

Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced



**CLOSURE REQUEST**

**DEVON ENERGY COMPANY**

Created for submission to New Mexico Oil Conservation Division on 04/11/2022

**ASHLEY GIOVENGO**

*Environmental Manager - Permian*

**ENERGIZING AMERICA**

April 11, 2022

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

State of New Mexico

Energy, Minerals, and Natural Resources

New Mexico Oil Conservation Division

811 South First Street

Artesia, New Mexico 88210

## RE: CLOSURE REQUEST

<b>COMPANY</b>	Devon Energy
<b>LOCATION</b>	Longview Federal 1 #021
<b>API</b>	30-015-40651
<b>PLSS</b>	Unit D Sec 01 T23S R28E
<b>GPS</b>	32.3386574, -104.0452118
<b>INCIDENT ID</b>	nAPP2201742024

## BACKGROUND

Wescom, Inc., hereafter referred to as Wescom, has prepared this Closure Request on behalf of Devon Energy Company, hereafter referred to as Devon, regarding the release at the Longview Federal 1 #021 (Site) located in Unit D, Section 01, Township 23 South and Range 28 East in Eddy County, New Mexico. The GPS coordinates are as follows: North 32.338657 and West -104.045212. Surface owner of the Site is Bureau of Land Management. The Site falls within New Mexico Oil Conservation Division (NMOCD), District 2 Artesia.

On December 01, 2021, a pinhole sized leak developed on a separator dump line allowing for the release of 20 barrels (bbls) of produced water to lined secondary containment. A total of 20 bbls was recovered from the containment. On January 21, 2022, Wescom inspected the lined secondary containment, and found three potential points of release. Wescom personnel returned to the Site on March 24, 2022, to conduct delineation sampling.

## SURFACE & GROUND WATER

The New Mexico Office of the State Engineer (OSE) records indicates the nearest depth to groundwater measurement is greater than 55 feet below ground surface (bgs) and is 0.32 miles South of the Site. Additional wells in the area support the data in the nearest water measurement. No playas or lakes are located within a one-mile radius of this Site (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 xylene (BTEX) and 2500 ppm Total Petroleum Hydrocarbons (TPH). Characterization of the vertical and horizontal extent of chloride concentration in the soil to a level of 10000 mg/kg (ppm) is also required.

Closure Criteria (19.15.29.12.B(4) and Table 1 NMAC)						
Longview Federal 1#021H — 32.3386574, -104.0452118						
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
No water data within 0.5 mile radius		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?	No					

Table: Closure Criteria Statistics



## SITE ASSESSMENT AND DELINEATION

Wescom personnel conducted a liner inspection on January 21, 2022, and three potential release points were identified within containment; a gap in the liner was located 16 feet to the left of the East staircase on the North side of the tank battery and a gap in the liner was located two feet West of the catwalk stairs. An additional gap in the liner was found four and a half feet North of the South containment wall. Photo documentation of potential liner compromises are shown in Attachment B. The results of the inspection determined that delineation activities would be required.

Wescom personnel conducted horizontal and vertical delineation sampling on March 24, 2022. A summary of sample laboratory data analysis results is presented in Table 1 and samples locations are shown on Figure 1. Samples collected from outside the containment wall were all below the applicable RRALs for the Site. Sample CONF05 was collected from the liner gap located 16 feet to the left of the East staircase on the North side of the tank battery and sample CONF06 was collected from the liner gap located two feet West of the catwalk stairs. Samples CONF05 and CONF06 were below the strictest RRALs for the Site at surface. CONF07 was collected from the liner gap located four and one-half feet North of South containment wall and field screened for chlorides at zero feet bgs. A chloride concentration of 800 ppm was detected prompting further vertical delineation sampling (see Table 1). Laboratory analytical results as well as field screening results indicate that CONF07 is well below the applicable RRALs for the Site at zero feet bgs and the sample location has been fully delineated at one-foot bgs (see Tables 1 and 2). All three gaps in the liner were patched by Rose Gold Oil Field Services immediately following sampling.

A background sampled BG01, was collected 80 ft to the East side of the location. Confirmation composite samples were obtained from the Site on March 24, 2022. 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 8015M/D, BTEX—Method 8021B, and Chlorides—Method 300.0. The laboratory analytical reports are included in Attachment E.

The required 48-hour liner inspection and confirmation sampling notifications were sent on January 18 and March 22, 2022, to Bradford Billings, Robert Hamlet, Jennifer Nobui, Chad Hensley, and Mike Bratcher of the NMOCD in Santa Fe, New Mexico (see Attachments F and G).

## REQUEST FOR CLOSURE

On behalf of Devon, Wescom hereby requests closure for the release associated with incident number nAPP2201742024 based on the logic below.

- All confirmation areas are below the applicable RRALs for the Site (see Table 1 and Figure 1).
- The existing containment is intact, gaps in the liner have been patched by Rose Gold Oil Field Services. The liner will act as a barrier for potential releases inside the secondary containment.



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



# REFERENCE MATERIALS

## FIGURES

**FIGURE 1.** Confirmation Samples

## TABLES

**TABLE 1.** Field Screening Results

**TABLE 2.** Confirmation Laboratory Analysis Results

## 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 Liner Inspection Notification Email

**ATTACHMENT G.** 48-hour Confirmation Sampling Notification Email



# FIGURE 1

## Confirmation Samples



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**Longview Federal 1 #021H** | Incident ID: nAPP2201742024





## FIGURE 1. Confirmation Sampling

Longview Federal 1 #021H  
Incident ID: naPP2201742024  
API: 30-015-40651  
GPS Coordinates: 32.3386574, -104.0452118  
Eddy County, New Mexico  
Devon Energy

0 20 40 60 80  
Feet

### LEGEND

● Sample Locations



# TABLES



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**Longview Federal 1 #021H** | Incident ID: nAPP2201742024

Longview Federal 1 #021H   nAPP2201742024							
Devon Energy   04.11.2022							
Table 1. Field Screening Results							
Sample Description			Petroleum Hydrocarbons				Inorganic
Sample ID	Depth (ft.)	Date	Volatile		Extractable		Chloride (mk/kg)
			Benzene (mk/kg)	BTEX (total) (mk/kg)	TPH (mk/kg)	GRO+DRO (mk/kg)	
Closure Criteria			10	50	2500	1000	10000
CONF01	0	3/24/2022	-	-	39		150
CONF02	0	3/24/2022	-	-	84		150
CONF03	0	3/24/2022	-	-	40		150
CONF04	0	3/24/2022	-	-	60		150
CONF05	0	3/24/2022	-	-	56		100
CONF06	0	3/24/2022	-	-	14		200
CONF07	0	3/24/2022	-	-	-	-	800
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							
Gray Highlight - Background Samples							



Longview Federal 1 #021H   nAPP2201742024							
Devon Energy   04.11.2022							
Table 2. Confirmation Laboratory Analysis Results							
Sample Description			Petroleum Hydrocarbons				Inorganic
Sample ID	Depth (ft.)	Date	Volatile		Extractable		Chloride (mk/kg)
			Benzene (mk/kg)	BTEX (total) (mk/kg)	TPH (mk/kg)	GRO+DRO (mk/kg)	
Closure Criteria			10	50	2500	1000	10000
CONF01	0	3/24/2022	ND	ND	ND	ND	ND
CONF02	0	3/24/2022	ND	ND	ND	ND	ND
CONF03	0	3/24/2022	ND	ND	ND	ND	ND
CONF04	0	3/24/2022	ND	ND	28	28	36.3
CONF05	0	3/24/2022	ND	ND	ND	ND	28.7
CONF06	0	3/24/2022	ND	ND	ND	ND	46.3
CONF07	1	3/24/2022	ND	ND	ND	ND	104
BG01	0	3/24/2022	ND	ND	ND	ND	ND
BG01	1	3/24/2022	ND	ND	ND	ND	ND
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							
Gray Highlight - Background Samples							



# ATTACHMENT A

C-141



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**Longview Federal 1 #021H** | Incident ID: nAPP2201742024

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	nAPP2201742024
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## Release Notification

### Responsible Party

Responsible Party: WPX Energy Permian, LLC	OGRID: 246289
Contact Name: Jim Raley	Contact Telephone: 575-689-7597
Contact email: jim.ralej@divn.com	Incident # (assigned by OCD) nAPP2201742024
Contact mailing address: 5315 Buena Vista Dr., Carlsbad NM 88220	

### Location of Release Source

Latitude 32.3386574 \_\_\_\_\_ Longitude -104.0452118 \_\_\_\_\_  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: LONGVIEW FEDERAL 1 #021H	Site Type: Oil Production Site
Date Release Discovered: January 13 <sup>th</sup> , 2022	API# (if applicable) 30-015-40651

Unit Letter	Section	Township	Range	County
D	01	23S	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 type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 20	Volume Recovered (bbls) 20
	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: Dump line on separator developed pinhole leak, allowing for release of approx. 20 bbls produced water to lined secondary containment. Fluids recovered. Liner to be inspected.

**Volume estimate=Recovered Volume**


State of New Mexico  
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 _____	
Signature: <u></u> Date: <u>1/17/2022</u>	
email: <u>jim.raley@dmv.com</u> Telephone: <u>575-689-7597</u>	
<b><u>OCD Only</u></b>	
Received by: _____ Date: _____	

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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>20</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 <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

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



State of New Mexico  
Oil Conservation Division

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Printed Name: Jim Raley

Title: Environmental Specialist

Signature: 

Date: 4/13/2022

email: jim.raley@dm.com

Telephone: 575-689-7597

**OCD Only**

Received by: \_\_\_\_\_

Date: \_\_\_\_\_

Incident ID	nAPP2201742024
District RP	
Facility ID	
Application ID	

## Closure

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

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

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

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

Printed Name: Jim Raley Title: Environmental Specialist

Signature:  Date: 5/16/2022

email: jim.raley@dv.com Telephone: 575-689-7597

### OCD Only

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

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

Closure Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

# ATTACHMENT B

## Site Photos



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**Longview Federal 1 #021H** | Incident ID: nAPP2201742024



Hole on West Side of Catwalk Stairs (CONF06)



West Side of Catwalk Stairs (CONF06)



Longview Federal 1 #021H

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Hole at South Containment Wall (CONF07)



South Containment Wall (CONF07)

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Hole at North Containment Wall (CONF05)



North Containment Wall (CONF05)



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Delineation at North Wall (CONF05)



Delineation West Side of Catwalk Stairs (CONF06)

Longview Federal 1 #021H

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Delineation at South Containment Wall (CONF07)



Delineation Outside of Containment Wall



# ATTACHMENT C

## Closure Criteria Supporting Documents



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# New Mexico Office of the State Engineer

## Wells with Well Log Information

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(in feet)

	POD										Log File				Depth	Depth		License			
	Sub-	basin	County	Source	q	q	q														
POD Number	Code				64	16	4	Sec	Tws	Rng	X	Y	Distance	Start Date	Finish Date	Date	Well	Water	Driller	Number	
<a href="#">C 04417 POD1</a>	CUB	ED			4	3	3	36	22S	28E	589736	3578874		513	03/31/2020	03/31/2020	05/26/2020	55		MARK MUMBY	1789
<a href="#">C 04524 POD1</a>	CUB	ED			1	1	2	01	23S	28E	590452	3578629		650	04/13/2021	04/14/2021	05/10/2021	55		NOVO OIL & GAS NORTHERN DELAWARE LLC	1456
<a href="#">C 04539 POD1</a>	CUB	ED			2	4	2	01	23S	28E	591034	3578223		1190	07/14/2021	07/14/2021	10/05/2021	55		HAMMER, RODNEY S. WARDENER	1186
<a href="#">C 04418 POD1</a>	CUB	ED			4	2	1	12	23S	28E	590104	3576851		1543	03/31/2020	03/31/2020	05/26/2020	55		MARK MUMBY	1789
<a href="#">C 04216 POD3</a>	CUB	ED	Shallow		1	4	1	11	23S	28E	588501	3576556		2266	04/04/2018	04/04/2018	04/18/2018	23	13	ATKINS, JACKIE D.	1249
<a href="#">C 04216 POD2</a>	CUB	ED	Shallow		1	4	1	11	23S	28E	588465	3576555		2288	04/04/2018	04/04/2018	04/18/2018	20	10	ATKINS, JACKIE D.	1249
<a href="#">C 04216 POD1</a>	CUB	ED	Shallow		2	4	1	11	23S	28E	588488	3576534		2291	04/04/2018	04/04/2018	04/18/2018	20	10	ATKINS, JACKIE D.	1249
<a href="#">C 00512 EXPL</a>	O	CUB	ED	Shallow		1		11	23S	28E	588272	3576703*		2301	07/12/1971	07/17/1971	10/15/1971	200	16	BRININSTOOL, M.D.	24
<a href="#">C 04216 POD4</a>	CUB	ED	Shallow		2	4	1	11	23S	28E	588499	3576513		2302	04/04/2018	04/04/2018	04/18/2018	20	10	ATKINS, JACKIE D.	1249
<a href="#">C 00512</a>	CUB	ED	Shallow		4	1	1	11	23S	28E	588188	3576775		2309	05/04/1975	05/20/1975	05/11/1976	175	15	BRININSTOOL, M.D.	24
<a href="#">C 04470 POD1</a>	CUB	ED			3	1	3	07	23S	29E	591280	3576086		2696	09/03/2020	09/03/2020	09/14/2020			ATKINS, JACKIE D.UEL ENER	1249
<a href="#">C 00315</a>	CUB	ED	Shallow		3	1	3	11	23S	28E	587973	3575995*		3033	06/16/1952	06/20/1952	01/06/1953	100	45	J.F. KIMMELL	
<a href="#">C 01216</a>	CUB	ED	Shallow		4	1	1	13	23S	28E	589801	3575205*		3170	08/05/1964	08/06/1964	09/15/1964	60	45	W.H. BRADY	359
<a href="#">C 03469 POD1</a>	CUB	ED	Shallow		3	4	3	11	23S	28E	588374	3575538		3198	01/24/2011	01/25/2011	05/20/2011	68	38	SCARBOROUGH, LANE (LD)	1188
<a href="#">C 02702</a>	C	ED	Shallow			2		13	23S	28E	590715	3575108*		3378	05/20/2000	05/20/2000	08/28/2000	38	20		1348
<a href="#">C 04451 POD1</a>	C	ED	Shallow		4	4	4	10	23S	28E	587833	3575521		3496	09/28/2020	10/01/2020	10/14/2020	120	57	HAMMOND, MARKDALE NAIGENER	1400

\*UTM location was derived from PLSS - see Help

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




















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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(in feet)

POD											Log File				Depth	Depth	Driller	License Number				
POD Number	Sub-Code	basin	County	Source	q	q	q	4	Sec	Tws	Rng	X	Y	Distance	Start Date	Finish Date			Date	Well	Water	
<a href="#">C 03460 POD1</a>	CUB	ED	Shallow	3	1	2	14	23S	28E			588857	3575004		3514	10/08/2010	10/08/2010	10/13/2010	100	38	NORRIS, JOHN D. (LD)	1682
<a href="#">C 01214</a>	CUB	ED	Shallow	1	2	3	13	23S	28E			590010	3574597*		3781	08/01/1964	08/02/1964	11/02/1964	70	20	W.H. BRADY	359
<a href="#">C 00235</a>	C	ED	Shallow		2	2	15	23S	28E			587676	3575280*		3784	07/21/1950	07/23/1950	01/05/1953	160		KIMMEL, J.F.	153
<a href="#">C 00616</a>	CUB	ED	Shallow	1	3	1	14	23S	28E			587982	3574978*		3878	10/22/1980	12/05/1980	12/09/1980	120	30	BRININSTOOL, M.D.	842
<a href="#">C 01967</a>	C	ED	Shallow		2	3	13	23S	28E			590111	3574498*		3885	06/22/1981	07/15/1981	08/04/1981	264	200		592
<a href="#">C 01215</a>	CUB	ED	Shallow	4	2	3	13	23S	28E			590210	3574397*		3993	08/03/1964	08/04/1964	09/15/1964	104	15	W.H. BRADY	359
<a href="#">C 01217</a>	CUB	ED	Shallow	4	1	3	13	23S	28E			589789	3574371		4003	08/07/1964	08/11/1964	09/15/1964	87	50	W.H. BRADY	359
<a href="#">C 04490 POD2</a>	CUB	ED	Shallow	2	3	3	13	23S	28E			589899	3574259		4115	11/18/2020	11/19/2020	12/21/2020	23	19	SHAWN CAIN	1664
<a href="#">C 02503</a>	C	ED	Shallow		4	2	15	23S	28E			587679	3574874*		4121	08/27/1996	08/29/1996	09/03/1996	70	12	OSBOURN, FLOYD MILTON	353
<a href="#">C 00269</a>	C	ED	Shallow	4	4	2	15	23S	28E			587778	3574773*		4157	03/01/1958	03/30/1958	04/08/1958	240	35	FREEK, R.H.	212
<a href="#">C 00269 CLW199753</a>	O	C	ED	Shallow	4	4	2	15	23S	28E		587778	3574773*		4157	03/01/1958	03/30/1958	04/08/1958	240	35	R.H. FREEK	212
<a href="#">C 02189</a>	C	ED	Shallow	1	1	3	14	23S	28E			587985	3574572*		4237	03/12/1990	03/12/1990	04/20/1990	48	29	NORMAN SPRUILL	803
<a href="#">C 00800</a>	C	ED	Shallow		4	2	09	23S	28E			586050	3576479*		4249	11/05/1957	11/10/1957	12/09/1957	200	30	WILLARD BEATY	62
<a href="#">C 04415 POD1</a>	CUB	ED	Shallow	4	1	4	04	23S	28E			585657	3577591		4268	04/01/2020	04/01/2020	05/26/2020	25	20	MARK MUMBY	1789
<a href="#">C 04415 POD8</a>	CUB	ED	Shallow	4	1	4	04	23S	28E			585656	3577583		4271	07/15/2021	07/16/2021	10/05/2021	27	23	HAMMER, RODNEY S. WARDENER	1186
<a href="#">C 04415 POD5</a>	CUB	ED		4	1	4	04	23S	28E			585652	3577605		4271	04/01/2020	04/01/2020	05/26/2020	10		MARK MUMBY	1789
<a href="#">C 04415 POD6</a>	CUB	ED		4	1	4	04	23S	28E			585652	3577605		4271	04/01/2020	04/01/2020	05/26/2020	10		MARK MUMBY	1789
<a href="#">C 04415 POD2</a>	CUB	ED		4	1	4	04	23S	28E			585653	3577570		4276	04/01/2020	04/01/2020	05/26/2020	12		MARK MUMBY	1789
<a href="#">C 04415 POD3</a>	CUB	ED		4	1	4	04	23S	28E			585645	3577552		4288	04/01/2020	04/01/2020	05/26/2020	11		MARK MUMBY	1789
<a href="#">C 04415 POD4</a>	CUB	ED		3	1	4	04	23S	28E			585628	3577575		4300	04/01/2020	04/01/2020	05/26/2020	11		MARK MUMBY	1789

\*UTM location was derived from PLSS - see Help

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











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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(in feet)

	POD										Log File				Depth	Depth		License			
	Sub-			q	q	q															
POD Number	Code	basin	County	Source	64	16	4	Sec	Tws	Rng	X	Y	Distance	Start Date	Finish Date	Date	Well	Water	Driller	Number	
<a href="#">C 04415 POD7</a>		CUB	ED	Shallow	3	1	4	04	23S	28E	585628	3577518		4311	07/15/2021	07/16/2021	10/05/2021	55	38	HAMMER, RODNEY S. WARDENER	1186
<a href="#">C 00326</a>		CUB	ED	Shallow	3	3	3	10	23S	28E	586358	3575572*		4480	10/01/1991	10/19/1991	11/01/1991	130	19	MIKE CAMPBELL	1259
<a href="#">C 00326 CLW196238</a>	O	CUB	ED	Shallow	3	3	3	10	23S	28E	586358	3575572*		4480	07/23/1952	08/06/1952	09/03/1952	196	25	J.F. KIMMELL	
<a href="#">C 00128</a>		C	ED	Shallow	2	4	4	15	23S	28E	587783	3574162*		4694	12/24/1952	01/10/1953	04/30/1953	149		SMITH, SAM S.	108
<a href="#">C 02706</a>		C	ED	Shallow		4		18	23S	29E	592302	3574291*		4761	05/23/2000	05/24/2000	08/28/2000	17	10		1348
<a href="#">C 01102</a>		C	ED	Shallow		1	2	23	23S	28E	588901	3573672*		4798	12/10/1962	12/21/1962	01/30/1963	100	12	MORELAND, A.J.	113
<a href="#">C 03965 POD5</a>		CUB	ED	Shallow	4	1	1	24	23S	28E	589864	3573534		4839	07/18/2016	07/18/2016	08/18/2016	35	31	BRYAN, EDWARD	1711
<a href="#">C 04490 POD3</a>		CUB	ED	Shallow	4	1	2	24	23S	28E	590596	3573502		4929	11/20/2020	11/21/2020	12/21/2020	37	33	SHAWN CAIN	1664
<a href="#">C 00154</a>		CUB	ED	Shallow	4	2	1	23	23S	28E	588595	3573566*		4970	08/15/1974	08/20/1974	02/11/1975	196	38	HOWARD P. HEMLER	24
<a href="#">C 03965 POD4</a>		CUB	ED	Shallow		1	4	24	23S	28E	589918	3573381		4993	07/18/2016	07/18/2016	08/18/2016	40	31	BRYAN, EDWARD	1711

Record Count: 46

**UTMNAD83 Radius Search (in meters):**

**Easting (X):** 589853.57

**Northing (Y):** 3578374.77

**Radius:** 5000

\*UTM location was derived from PLSS - see Help

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

1/25/22 10:46 AM

Page 3 of 3

WELLS WITH WELL LOG INFORMATION



# New Mexico Office of the State Engineer

## Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	C 04417 POD1	4	3	3	36	22S	28E	589736	3578874

**Driller License:** 1789 **Driller Company:** HRL COMPLIANCE SOLUTIONS, INC

**Driller Name:** MARK MUMBY

**Drill Start Date:** 03/31/2020

**Drill Finish Date:** 03/31/2020

**Plug Date:**

**Log File Date:** 05/26/2020

**PCW Rcv Date:**

**Source:**

**Pump Type:**

**Pipe Discharge Size:**

**Estimated Yield:**

**Casing Size:**

**Depth Well:** 55 feet

**Depth Water:**

Casing Perforations:	Top	Bottom
	45	55

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

1/25/22 12:45 PM

Page 1 of 1




POD SUMMARY - C 04417 POD1





# Longview Federal 1 #021H

Distance to nearest Depth to Water - 0.32 miles

## Legend

-  Distance = 0.32 miles
-  DTW > 55 Feet - C 04417 POD1
-  Longview Federal 1 #021H

 DTW > 55 Feet - C 04417 POD1

Longview Federal 1#021H 

Google Earth

Released to Imaging: 10/21/2022 1:30:35 PM

1000 ft







Longview Fed 1 #021H - Riverine - 782 ft.



April 1, 2022

**Wetlands**

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

- Lake
- Other
- Riverine

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





## Longview Fed 1 #021H - Wetlands 123 ft.



April 1, 2022

**Wetlands**

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

- Lake
- Other
- Riverine

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





## Longview Fed 1 #021H - FW Pond - 1.12 mi.



April 1, 2022

**Wetlands**

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

- Lake
- Other
- Riverine




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



# Longview Federal 1 #021H

Distance to Nearest Residence = 1.73 Miles

## Legend

-  1.73 miles
-  Longview Federal 1 #021H
-  Nearest Residence

Longview Federal 1#021H

740

Nearest Residence

Google Earth

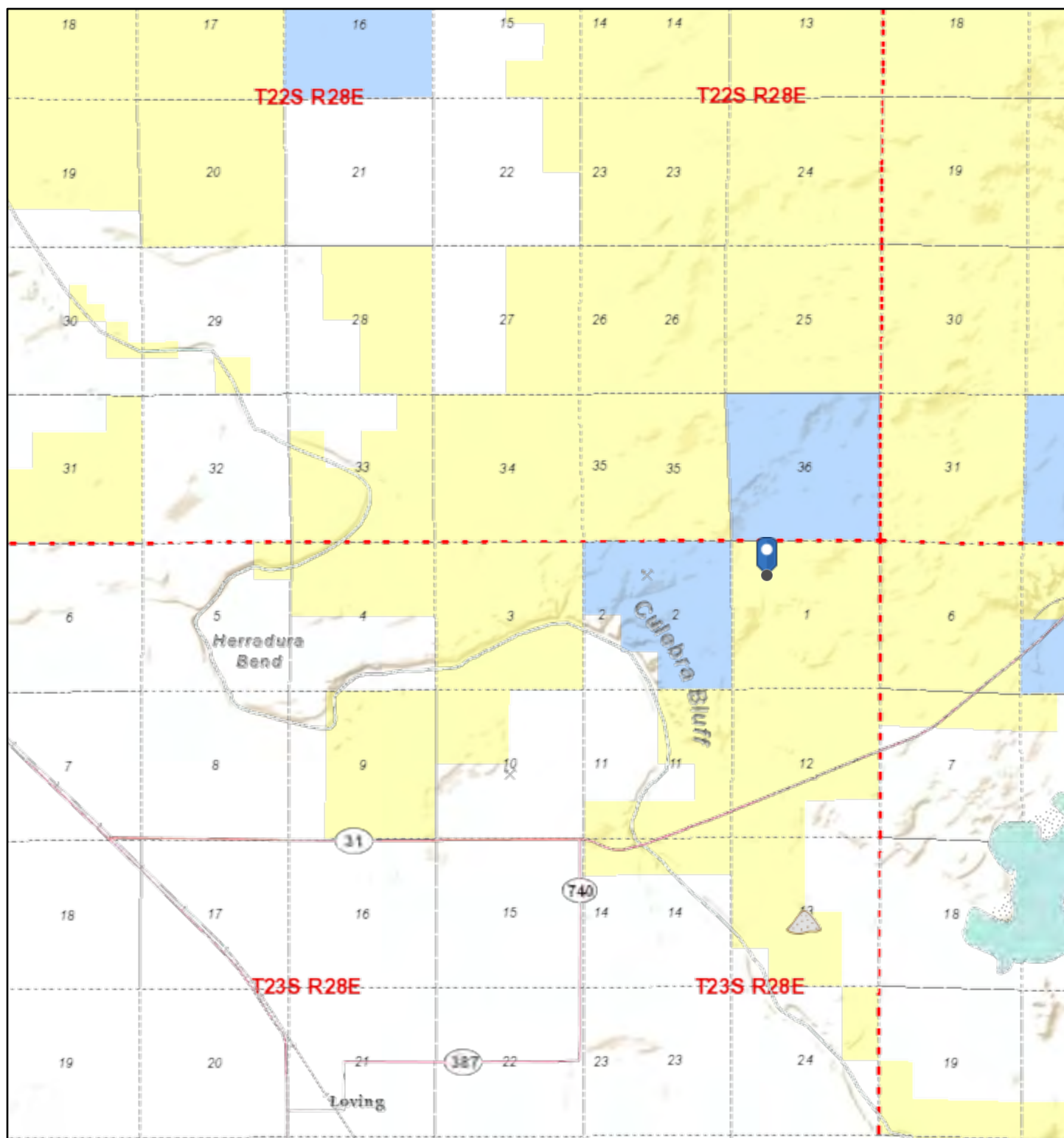
Released to Imaging: 10/21/2022 1:30:35 PM

Potash Mines Rd  
3000 ft



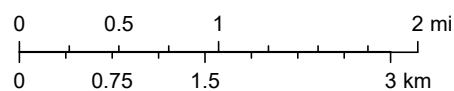
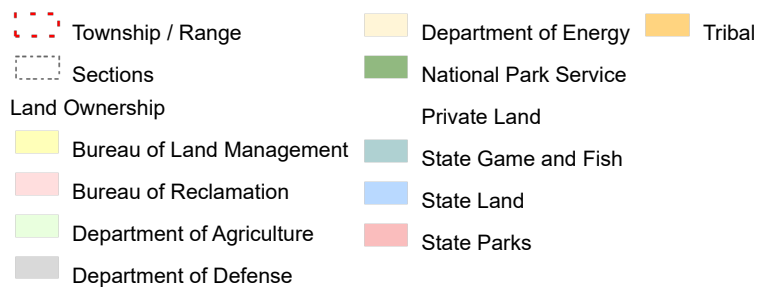


## Active Mines Near Longview Fed 1 #021H



4/11/2022, 9:14:49 AM

1:72,224



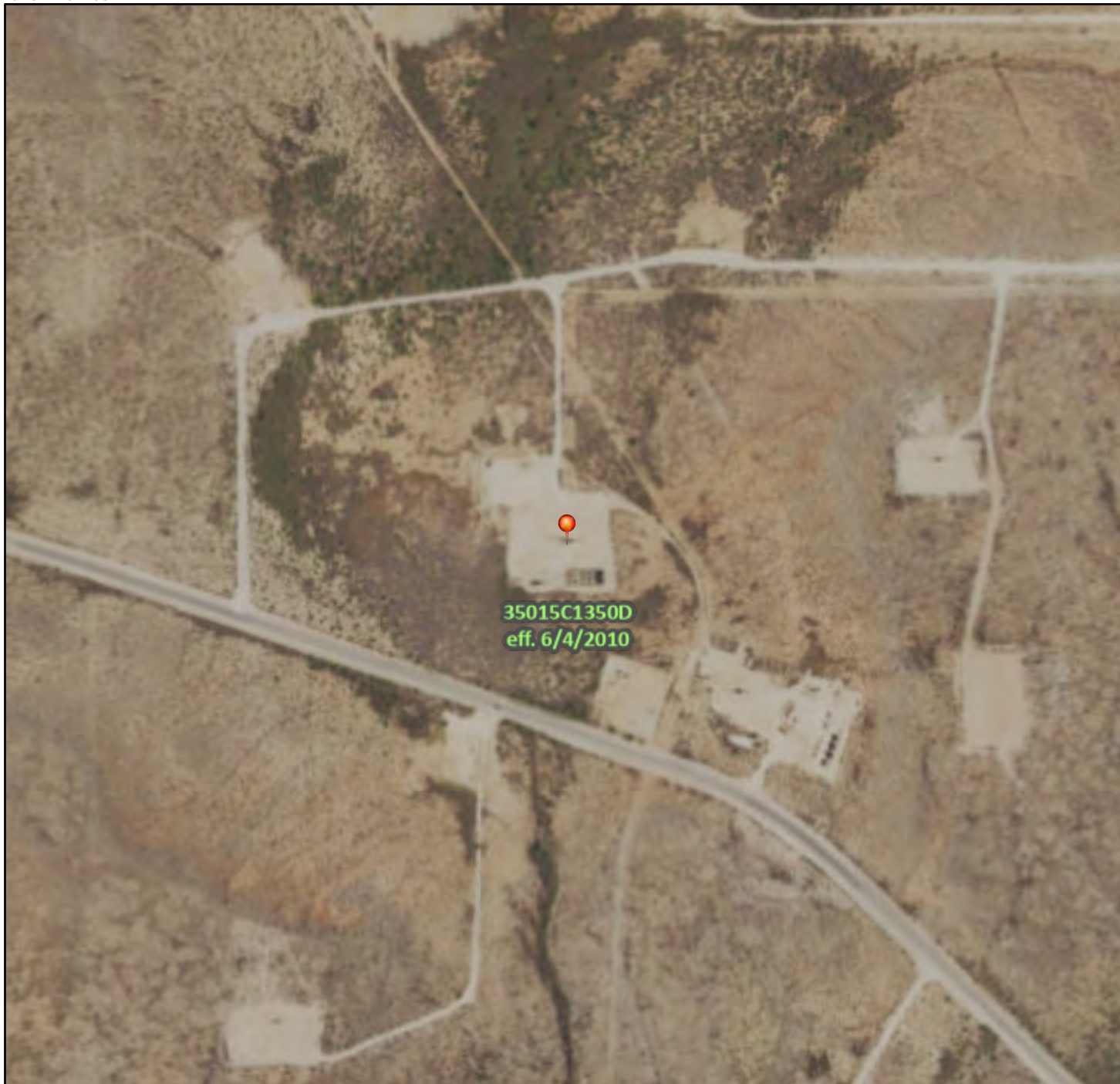
U.S. Bureau of Land Management - New Mexico State Office, Sources: Esri, USGS, NOAA, Sources: Esri, Garmin, USGS, NPS

EMNRD MMD GIS Coordinator

# National Flood Hazard Layer FIRMette



104°3'1"W 32°20'34"N



0 250 500 1,000 1,500 2,000 Feet 1:6,000 104°2'24"W 32°20'4"N

## Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 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
		Coastal Transect Baseline
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 **1/25/2022 at 1:33 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

# ATTACHMENT D

## Karst Map



**Energizing America**

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

**Longview Federal 1 #021H** | Incident ID: nAPP2201742024



# Longview Fed 1 #021H

Karst Potential = Medium

## Legend

- 01 Low
- 02 Medium
- 03 High
- Longview Fed 1 #021H

Longview Fed 1 #021H

# ATTACHMENT E

## Envirotech Inc. Laboratory Analysis Reports



**Energizing America**

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

**Longview Federal 1 #021H** | Incident ID: nAPP2201742024



Report to:  
Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Devon Energy - Carlsbad

Project Name: Longview Federal 1 #021H

Work Order: E203172

Job Number: 01058-0007

Received: 3/28/2022

Revision: 3

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
4/7/22

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: 4/7/22



Ashley Giovengo  
6488 7 Rivers Hwy  
Artesia, NM 88210

Project Name: Longview Federal 1 #021H  
Workorder: E203172  
Date Received: 3/28/2022 8:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/28/2022 8:15:00AM, under the Project Name: Longview Federal 1 #021H.

The analytical test results summarized in this report with the Project Name: Longview Federal 1 #021H 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](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**  
**Lynn Jarboe**  
Technical Representative/Client Services  
Office: 505-421-LABS(5227)  
Cell: 505-320-4759  
[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

**West Texas Midland/Odessa Area**  
**Rayny Hagan**  
Technical Representative  
Office: 505-421-LABS(5227)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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## Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Longview Federal 1 #021H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 04/07/22 16:36
---	--	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CONF01 - 0'	E203172-01A	Soil	03/24/22	03/28/22	Glass Jar, 4 oz.
CONF02 - 0'	E203172-02A	Soil	03/24/22	03/28/22	Glass Jar, 4 oz.
CONF03 - 0'	E203172-03A	Soil	03/24/22	03/28/22	Glass Jar, 4 oz.
CONF04 - 0'	E203172-04A	Soil	03/24/22	03/28/22	Glass Jar, 4 oz.
CONF05 - 0'	E203172-05A	Soil	03/24/22	03/28/22	Glass Jar, 4 oz.
CONF06 - 0'	E203172-06A	Soil	03/24/22	03/28/22	Glass Jar, 4 oz.
CONF07 - 1'	E203172-07A	Soil	03/24/22	03/28/22	Glass Jar, 4 oz.
BG01 - 0'	E203172-08A	Soil	03/24/22	03/28/22	Glass Jar, 4 oz.
BG01 - 1'	E203172-09A	Soil	03/24/22	03/28/22	Glass Jar, 4 oz.



## Sample Data

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

Project Name: Longview Federal 1 #021H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
4/7/2022 4:36:53PM

## CONF01 - 0'

## E203172-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214043	
Benzene	ND	0.0250	1	03/30/22	04/02/22	
Ethylbenzene	ND	0.0250	1	03/30/22	04/02/22	
Toluene	ND	0.0250	1	03/30/22	04/02/22	
o-Xylene	ND	0.0250	1	03/30/22	04/02/22	
p,m-Xylene	ND	0.0500	1	03/30/22	04/02/22	
Total Xylenes	ND	0.0250	1	03/30/22	04/02/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	102 %	70-130		03/30/22	04/02/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214043	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/30/22	04/02/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.6 %	70-130		03/30/22	04/02/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KL		Batch: 2214080	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/01/22	04/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/22	04/04/22	
<i>Surrogate: n-Nonane</i>						
	112 %	50-200		04/01/22	04/04/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2214056	
Chloride	ND	20.0	1	03/31/22	04/02/22	



## Sample Data

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

Project Name: Longview Federal 1 #021H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
4/7/2022 4:36:53PM

CONF02 - 0'

E203172-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214043
Benzene	ND	0.0250	1	03/30/22	04/02/22	
Ethylbenzene	ND	0.0250	1	03/30/22	04/02/22	
Toluene	ND	0.0250	1	03/30/22	04/02/22	
o-Xylene	ND	0.0250	1	03/30/22	04/02/22	
p,m-Xylene	ND	0.0500	1	03/30/22	04/02/22	
Total Xylenes	ND	0.0250	1	03/30/22	04/02/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	03/30/22	04/02/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214043
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/30/22	04/02/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.9 %	70-130	03/30/22	04/02/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2215028
Diesel Range Organics (C10-C28)	ND	25.0	1	04/07/22	04/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/07/22	04/07/22	
<i>Surrogate: n-Nonane</i>						
		97.0 %	50-200	04/07/22	04/07/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2214056
Chloride	ND	20.0	1	03/31/22	04/02/22	



## Sample Data

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

Project Name: Longview Federal 1 #021H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
4/7/2022 4:36:53PM

CONF03 - 0'

E203172-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214043
Benzene	ND	0.0250	1	03/30/22	04/02/22	
Ethylbenzene	ND	0.0250	1	03/30/22	04/02/22	
Toluene	ND	0.0250	1	03/30/22	04/02/22	
o-Xylene	ND	0.0250	1	03/30/22	04/02/22	
p,m-Xylene	ND	0.0500	1	03/30/22	04/02/22	
Total Xylenes	ND	0.0250	1	03/30/22	04/02/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	03/30/22	04/02/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214043
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/30/22	04/02/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.0 %	70-130	03/30/22	04/02/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2214080
Diesel Range Organics (C10-C28)	ND	25.0	1	04/01/22	04/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/22	04/04/22	
<i>Surrogate: n-Nonane</i>						
		114 %	50-200	04/01/22	04/04/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2214056
Chloride	ND	20.0	1	03/31/22	04/02/22	



## Sample Data

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

Project Name: Longview Federal 1 #021H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
4/7/2022 4:36:53PM

CONF04 - 0'

E203172-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214043
Benzene	ND	0.0250	1	03/30/22	04/02/22	
Ethylbenzene	ND	0.0250	1	03/30/22	04/02/22	
Toluene	ND	0.0250	1	03/30/22	04/02/22	
o-Xylene	ND	0.0250	1	03/30/22	04/02/22	
p,m-Xylene	ND	0.0500	1	03/30/22	04/02/22	
Total Xylenes	ND	0.0250	1	03/30/22	04/02/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	03/30/22	04/02/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214043
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/30/22	04/02/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.0 %	70-130	03/30/22	04/02/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2214080
Diesel Range Organics (C10-C28)	28.0	25.0	1	04/01/22	04/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/22	04/04/22	
<i>Surrogate: n-Nonane</i>						
		113 %	50-200	04/01/22	04/04/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2214056
Chloride	36.3	20.0	1	03/31/22	04/02/22	



## Sample Data

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

Project Name: Longview Federal 1 #021H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
4/7/2022 4:36:53PM

CONF05 - 0'

E203172-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214043
Benzene	ND	0.0250	1	03/30/22	04/02/22	
Ethylbenzene	ND	0.0250	1	03/30/22	04/02/22	
Toluene	ND	0.0250	1	03/30/22	04/02/22	
o-Xylene	ND	0.0250	1	03/30/22	04/02/22	
p,m-Xylene	ND	0.0500	1	03/30/22	04/02/22	
Total Xylenes	ND	0.0250	1	03/30/22	04/02/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	03/30/22	04/02/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214043
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/30/22	04/02/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.6 %	70-130	03/30/22	04/02/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2214080
Diesel Range Organics (C10-C28)	ND	25.0	1	04/01/22	04/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/22	04/04/22	
<i>Surrogate: n-Nonane</i>						
		115 %	50-200	04/01/22	04/04/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2214056
Chloride	28.7	20.0	1	03/31/22	04/02/22	





## Sample Data

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

Project Name: Longview Federal 1 #021H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
4/7/2022 4:36:53PM

CONF06 - 0'

E203172-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214043
Benzene	ND	0.0250	1	03/30/22	04/02/22	
Ethylbenzene	ND	0.0250	1	03/30/22	04/02/22	
Toluene	ND	0.0250	1	03/30/22	04/02/22	
o-Xylene	ND	0.0250	1	03/30/22	04/02/22	
p,m-Xylene	ND	0.0500	1	03/30/22	04/02/22	
Total Xylenes	ND	0.0250	1	03/30/22	04/02/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	03/30/22	04/02/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214043
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/30/22	04/02/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.2 %	70-130	03/30/22	04/02/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2214080
Diesel Range Organics (C10-C28)	ND	25.0	1	04/01/22	04/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/22	04/05/22	
<i>Surrogate: n-Nonane</i>						
		109 %	50-200	04/01/22	04/05/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2214056
Chloride	46.3	20.0	1	03/31/22	04/02/22	



## Sample Data

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

Project Name: Longview Federal 1 #021H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
4/7/2022 4:36:53PM

CONF07 - 1'

E203172-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214043
Benzene	ND	0.0250	1	03/30/22	04/02/22	
Ethylbenzene	ND	0.0250	1	03/30/22	04/02/22	
Toluene	ND	0.0250	1	03/30/22	04/02/22	
o-Xylene	ND	0.0250	1	03/30/22	04/02/22	
p,m-Xylene	ND	0.0500	1	03/30/22	04/02/22	
Total Xylenes	ND	0.0250	1	03/30/22	04/02/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	03/30/22	04/02/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214043
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/30/22	04/02/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.2 %	70-130	03/30/22	04/02/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2214080
Diesel Range Organics (C10-C28)	ND	25.0	1	04/01/22	04/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/22	04/05/22	
<i>Surrogate: n-Nonane</i>						
		116 %	50-200	04/01/22	04/05/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2214056
Chloride	104	20.0	1	03/31/22	04/04/22	



## Sample Data

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

Project Name: Longview Federal 1 #021H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
4/7/2022 4:36:53PM

BG01 - 0'

E203172-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214043
Benzene	ND	0.0250	1	03/30/22	04/02/22	
Ethylbenzene	ND	0.0250	1	03/30/22	04/02/22	
Toluene	ND	0.0250	1	03/30/22	04/02/22	
o-Xylene	ND	0.0250	1	03/30/22	04/02/22	
p,m-Xylene	ND	0.0500	1	03/30/22	04/02/22	
Total Xylenes	ND	0.0250	1	03/30/22	04/02/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	03/30/22	04/02/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214043
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/30/22	04/02/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.1 %	70-130	03/30/22	04/02/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2214080
Diesel Range Organics (C10-C28)	ND	25.0	1	04/01/22	04/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/22	04/05/22	
<i>Surrogate: n-Nonane</i>						
		119 %	50-200	04/01/22	04/05/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2214056
Chloride	ND	20.0	1	03/31/22	04/04/22	



## Sample Data

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

Project Name: Longview Federal 1 #021H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
4/7/2022 4:36:53PM

BG01 - 1'

E203172-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214043
Benzene	ND	0.0250	1	03/30/22	04/02/22	
Ethylbenzene	ND	0.0250	1	03/30/22	04/02/22	
Toluene	ND	0.0250	1	03/30/22	04/02/22	
o-Xylene	ND	0.0250	1	03/30/22	04/02/22	
p,m-Xylene	ND	0.0500	1	03/30/22	04/02/22	
Total Xylenes	ND	0.0250	1	03/30/22	04/02/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	03/30/22	04/02/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214043
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/30/22	04/02/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.3 %	70-130	03/30/22	04/02/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2214080
Diesel Range Organics (C10-C28)	ND	25.0	1	04/01/22	04/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/22	04/05/22	
<i>Surrogate: n-Nonane</i>						
		114 %	50-200	04/01/22	04/05/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2214056
Chloride	ND	20.0	1	03/31/22	04/04/22	



## QC Summary Data

Devon Energy - Carlsbad	Project Name:	Longview Federal 1 #021H	<b>Reported:</b>
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	4/7/2022 4:36:53PM

## 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 (2214043-BLK1)

Prepared: 03/30/22 Analyzed: 04/01/22

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: 4-Bromochlorobenzene-PID	8.39		8.00		105	70-130			

## LCS (2214043-BS1)

Prepared: 03/30/22 Analyzed: 04/01/22

Benzene	4.59	0.0250	5.00		91.9	70-130			
Ethylbenzene	4.31	0.0250	5.00		86.2	70-130			
Toluene	4.52	0.0250	5.00		90.4	70-130			
o-Xylene	4.50	0.0250	5.00		89.9	70-130			
p,m-Xylene	8.89	0.0500	10.0		88.9	70-130			
Total Xylenes	13.4	0.0250	15.0		89.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.53		8.00		107	70-130			

## LCS Dup (2214043-BS1)

Prepared: 03/30/22 Analyzed: 04/01/22

Benzene	5.00	0.0250	5.00		100	70-130	8.50	20	
Ethylbenzene	4.69	0.0250	5.00		93.9	70-130	8.51	20	
Toluene	4.92	0.0250	5.00		98.4	70-130	8.51	20	
o-Xylene	4.90	0.0250	5.00		98.0	70-130	8.61	20	
p,m-Xylene	9.67	0.0500	10.0		96.7	70-130	8.42	20	
Total Xylenes	14.6	0.0250	15.0		97.2	70-130	8.48	20	
Surrogate: 4-Bromochlorobenzene-PID	8.54		8.00		107	70-130			





## QC Summary Data

Devon Energy - Carlsbad	Project Name:	Longview Federal 1 #021H	<b>Reported:</b>
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	4/7/2022 4:36:53PM

## 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 (2214043-BLK1)

Prepared: 03/30/22 Analyzed: 04/01/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.45		8.00		93.1	70-130			

## LCS (2214043-BS2)

Prepared: 03/30/22 Analyzed: 04/01/22

Gasoline Range Organics (C6-C10)	49.3	20.0	50.0		98.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.52		8.00		94.0	70-130			

## LCS Dup (2214043-BSD2)

Prepared: 03/30/22 Analyzed: 04/01/22

Gasoline Range Organics (C6-C10)	50.8	20.0	50.0		102	70-130	3.05	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.53		8.00		94.1	70-130			



## QC Summary Data

Devon Energy - Carlsbad	Project Name:	Longview Federal 1 #021H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	4/7/2022 4:36:53PM

## 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 (2214080-BLK1)

Prepared: 04/01/22 Analyzed: 04/02/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	57.4		50.0		115	50-200			

## LCS (2214080-BS1)

Prepared: 04/01/22 Analyzed: 04/02/22

Diesel Range Organics (C10-C28)	476	25.0	500		95.2	38-132			
Surrogate: n-Nonane	55.9		50.0		112	50-200			

## Matrix Spike (2214080-MS1)

Source: E203172-05

Prepared: 04/01/22 Analyzed: 04/02/22

Diesel Range Organics (C10-C28)	477	25.0	500	ND	95.4	38-132			
Surrogate: n-Nonane	57.3		50.0		115	50-200			

## Matrix Spike Dup (2214080-MSD1)

Source: E203172-05

Prepared: 04/01/22 Analyzed: 04/02/22

Diesel Range Organics (C10-C28)	485	25.0	500	ND	97.0	38-132	1.64	20	
Surrogate: n-Nonane	57.3		50.0		115	50-200			



## QC Summary Data

Devon Energy - Carlsbad	Project Name:	Longview Federal 1 #021H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	4/7/2022 4:36:53PM

## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KL

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 (2215028-BLK1)

Prepared: 04/06/22 Analyzed: 04/07/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	62.9		50.0		126	50-200			

## LCS (2215028-BS1)

Prepared: 04/06/22 Analyzed: 04/07/22

Diesel Range Organics (C10-C28)	434	25.0	500		86.9	38-132			
Surrogate: n-Nonane	61.3		50.0		123	50-200			

## Matrix Spike (2215028-MS1)

Source: E204004-01

Prepared: 04/06/22 Analyzed: 04/07/22

Diesel Range Organics (C10-C28)	454	25.0	500	ND	90.7	38-132			
Surrogate: n-Nonane	61.5		50.0		123	50-200			

## Matrix Spike Dup (2215028-MSD1)

Source: E204004-01

Prepared: 04/06/22 Analyzed: 04/07/22

Diesel Range Organics (C10-C28)	463	25.0	500	ND	92.5	38-132	1.98	20	
Surrogate: n-Nonane	65.9		50.0		132	50-200			



## QC Summary Data

Devon Energy - Carlsbad	Project Name:	Longview Federal 1 #021H	<b>Reported:</b>
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	4/7/2022 4:36:53PM

## 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 (2214056-BLK1)

Prepared: 03/31/22 Analyzed: 04/02/22

Chloride ND 20.0

## LCS (2214056-BS1)

Prepared: 03/31/22 Analyzed: 04/02/22

Chloride 261 20.0 250 105 90-110

## Matrix Spike (2214056-MS1)

Source: E203172-01

Prepared: 03/31/22 Analyzed: 04/02/22

Chloride 278 20.0 250 ND 111 80-120

## Matrix Spike Dup (2214056-MSD1)

Source: E203172-01

Prepared: 03/31/22 Analyzed: 04/02/22

Chloride 271 20.0 250 ND 108 80-120 2.53 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:	Longview Federal 1 #021H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	04/07/22 16:36

- 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					Lab Use Only					TAT				EPA Program																											
Project: Longview Federal 1 #021H					Attention: Jim Raley					Lab WO# E203172					Job Number 01058-0007				1D	2D	3D	Standard	CWA	SDWA																						
Project Manager: Ashley Giovengo					Address: 5315 Buena Vista Dr					Analysis and Method					x				RCRA																											
Address: 1224 Standpipe Rd					City, State, Zip: Calsbad, NM 88220																																									
City, State, Zip: Carlsbad, NM 88220					Phone: 575-689-7597					DRO/ORO by 8015					GRO/DRO by 8015				BTEX by 8021				VOC by 8260				Metals 6010				Chloride 300.0				BGDOC NM				BGDOC TX				State			
Phone: 505-382-1211					Email: jim.raley@dvn.com																																									
Email: ashley.giovengo@wescominc.com																																														
Report due by:																																														
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Remarks																																								
10:03	3/24/22	Soil	1 Jar	CONF01 - 0'	1																																									
10:06	3/24/22	Soil	1 Jar	CONF02 - 0'	2																																									
10:14	3/24/22	Soil	1 Jar	CONF03 - 0'	3																																									
10:08	3/24/22	Soil	1 Jar	CONF04 - 0'	4																																									
8:53	3/24/22	Soil	1 Jar	CONF05 - 0'	5																																									
8:59	3/24/22	Soil	1 Jar	CONF06 - 0'	6																																									
9:27	3/24/22	Soil	1 Jar	CONF07 - 1'	7																																									
11:06	3/24/22	Soil	1 Jar	BG01 - 0'	8																																									
11:07	3/24/22	Soil	1 Jar	BG01 - 1'	9																																									

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.

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	
<i>Cole Burton</i>	3-25-22	10:04	<i>Jim Raley</i>	3/25/22	10:04	Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1	
<i>Carla Chute</i>	3/25/22	1600	<i>Carla Chute</i>	3/25/22	8:15	T2	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	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.

## Envirotech Analytical Laboratory

Printed: 3/28/2022 11:56:24AM

## 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:	03/28/22 08:15	Work Order ID:	E203172
Phone:	(505) 382-1211	Date Logged In:	03/25/22 14:35	Logged In By:	Alexa Michaels
Email:	ashley.giovengo@wescominc.com	Due Date:	04/01/22 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: 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 Liner Inspection Notification Email



**Energizing America**

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

**Longview Federal 1 #021H** | Incident ID: nAPP2201742024

**From:** [cole.burton@wescominc.com](mailto:cole.burton@wescominc.com)  
**To:** [Hamlet, Robert, EMNRD](#); [Bratcher, Mike, EMNRD](#); [Hensley, Chad, EMNRD](#); [Venegas, Victoria, EMNRD](#)  
**Cc:** [Shar Harvester](#); [Raley, Jim](#); [Daniel Davis](#); [Joey Croce](#); [Cody York](#); [ashley.giovengo@wescominc.com](mailto:ashley.giovengo@wescominc.com)  
**Subject:** 48-hour Liner Inspection Notification - Longview Federal 1 #021H nAPP2201742024  
**Date:** Tuesday, January 18, 2022 11:39:14 AM

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Hello All,

This email is to notify the NMOCD that Wescom, Inc. will be on the Longview Federal 1 #021H to perform a liner inspection. Inspection will be conducted on Friday, January 21, 2022 (01/21/2022) at 0800 hours. Please let me know if you have any questions. Incident ID for release is nAPP2201742024.

Thank you,

**Cole Burton**, Environmental Field Technician  
O (218) 724-1322 | C (505) 205-0455  
[WescomInc.com](http://WescomInc.com) | [cole.burton@WescomInc.com](mailto:cole.burton@WescomInc.com)  
*"I am in charge of my own safety."*



# ATTACHMENT G

## 48-hour Confirmation Sampling Notification Email



**Energizing America**

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

**Longview Federal 1 #021H** | Incident ID: nAPP2201742024

**From:** [cole.burton@wescominc.com](mailto:cole.burton@wescominc.com)  
**To:** [Bratcher, Mike, EMNRD](#); [Hensley, Chad, EMNRD](#); [Hamlet, Robert, EMNRD](#); [Venegas, Victoria, EMNRD](#)  
**Cc:** [Shar Harvester](#); [ashley.giovenago@wescominc.com](mailto:ashley.giovenago@wescominc.com); [Joey Croce](#); [Cody York](#); [Raley, Jim](#)  
**Subject:** 48-Hour Confirmation Sample Notice  
**Date:** Tuesday, March 22, 2022 7:35:11 AM

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Hello All,

We intend to take confirmation samples at Longview Federal 1 #021H – nAPP2201742024 starting on (3/24/22).

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

Thanks,

**Cole Burton**, Environmental Field Technician  
O (218) 724-1322 | C (505) 205-0455  
[WescomInc.com](http://WescomInc.com) | [cole.burton@WescomInc.com](mailto:cole.burton@WescomInc.com)  
*"I am in charge of my own safety."*

**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 118542

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 118542
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAPP2201742024 LONGVIEW FEDERAL 1 #021H, thank you. This closure is approved.	10/21/2022