



August 5, 2026

New Mexico Oil Conservation Division

New Mexico Energy, Minerals, and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Re: Deferral Request

South Eunice Seven Rivers Queen South Satellite
NMOCD Incident Numbers nAPP2210935265 and nAPP230033064
Hilcorp Energy Company
Lea County, New Mexico

To Whom It May Concern,

Ensolum, LLC (Ensolum), on behalf of Hilcorp Energy Company (Hilcorp) has prepared this *Deferral Request* in association with the Apache-Hilcorp South Eunice Seven River Queen Unit transfer for two open incidents that occurred at the Seven Rivers Queen South Satellite (Site). The Site is located on New Mexico State Land Office (NMSLO) managed land in Lea County, New Mexico (Figure 1). Based on field observations, field screening activities, and laboratory analytical results, Hilcorp is submitting this *Deferral Request* to document Site assessment, remediation, and delineation activities that have occurred in support of a deferral request of final remediation for Incident Numbers nAPP2210935265 and nAPP230033064 until the Site is reconstructed or the well pad is abandoned (whichever occurs first).

SITE INFORMATION

Operator: Hilcorp Energy Company

Facility Name: South Eunice Seven Rivers Queen South Satellite

GPS Coordinates: 32.3440925, -103.2259918

Location: Unit M, Section 36, Township 22 South, Range 36 East, Lea County, New Mexico

Landowner: NMSLO

NMOCD Incident Numbers: nAPP2210935265/ nAPP230033064

NMSLO Lease Number: A0-2614-0000

SITE AND INCIDENTS BACKGROUND

The South Eunice Seven Rivers Queen South Satellite is an active satellite facility associated with the South Eunice Seven Rivers Queen Unit #435 oil well (API 30-025-28448). A review of the New Mexico

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Oil Conservation Division (NMOCD) well records and available historical satellite imagery was completed.

Two reportable releases were documented at the Site in the NMOCD records.

- On **April 9, 2022**, a release was discovered by Apache personnel. A communication failure resulted in a 500- barrel (bbl) tank overfilling, resulting in the release of 20 bbl of crude oil and 80 bbl of produced water. Approximately 20 bbl of crude oil and 70 bbl of produced water were recovered with a vacuum truck resulting in a total loss of 10 bbl of produced water. Apache submitted an initial Form C-141 on April 19, 2022, and Incident Number nAPP2210935265 was assigned to the release.
- On **June 20, 2022**, vertical delineation was conducted at SP 1 to a depth of 5 feet. In addition, four grab horizontal samples were collected. All samples collected were submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. A *Remediation Plan* was submitted by Apache to NMOCD on **July 7, 2022**, that summarized the delineation results and proposed excavation of the top 6 inches to 1-foot of soil for offsite disposal. Depth to groundwater was estimated to be between 51-100 feet below ground surface (bgs) based on a nearby well record collected in 1983.
- On **July 22, 2022**, The NMOCD denied the *Remediation Plan* for Incident Number nAPP2210935265 for the following reasons:
 - *Remediation Plan Denied. The depth to groundwater has not been adequately determined. When nearby wells are used to determine depth to groundwater, the wells should be no further than ½ mile away from the site, and data should be no more than 25 years old, and well construction information should be provided in the submission. The responsible party may choose to remediate to the most stringent levels listed in Table 1 of 19.15.29 NMAC in lieu of drilling to determine the depth to groundwater. Composite confirmation samples will be collected from the bottom and sidewalls of the excavation from areas representing no more than two hundred (200) square feet. Please resubmit a revised Remediation Plan by August 26, 2022.*
- On **December 20, 2022**, a separate release occurred (nAPP2300333064), impacting the southern portion of the original release.
- On **January 19, 2023**, vertical delineation was conducted on the second release at two locations to terminal depths of 4 feet and 6 feet, respectively. All samples collected were submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. Apache submitted a *Remediation Plan* to the NMOCD on **March 16, 2023**, that summarized the delineation results and proposed excavation of 1-foot to 2 feet of soil for offsite disposal. Again, depth to groundwater was estimated between 51-100 feet bgs based on a nearby well record collected in 1983.
- On **April 21, 2023**, The NMOCD denied the remediation plan submitted for Incident #nAPP2300333064 for the following reasons:
 - *Remediation Plan Denied. The depth to groundwater has not been adequately determined. When nearby wells are used to determine depth to groundwater, the wells*

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should be no further than ½ mile away from the site, and data should be no more than 25 years old, and well construction information should be provided in the submission. The responsible party may choose to remediate to the most stringent levels listed in Table 1 of 19.15.29 NMAC in lieu of drilling to determine the depth to groundwater. Cannot delineate site with composite samples, must be depth discrete samples. Composite confirmation samples, once excavation has been completed, will be collected from the bottom and sidewalls of the excavation from areas representing no more than two hundred (200) square feet. Please resubmit a revised Remediation Plan by May 21, 2023.

- On **May 11, 2023**, a soil boring was completed to a terminal depth of 111 feet bgs approximately 55 feet south of the site. The soil boring was left open for 72 hours and gauged for depth to water. The borehole was dry confirming that depth to groundwater was greater than 100 feet bgs.
- On **May 17, 2023**, four discrete grab horizontal samples were collected at a depth of 0.5 feet bgs and submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX.
- On **June 5, 2023**, Apache submitted a *Remediation Plan* to the NCMOD summarizing the delineation results and additional depth to groundwater borehole data for both incidents. The *Remediation Plan* proposed tilling and treating the impacted areas in-situ with a bioremediation agent, followed by confirmation sampling.
- On **September 9, 2023**, the NMOCD approved an in-situ Remediation Plan with the following conditions:
 - *NMOCD did not receive two business day notification toward the final sampling per 19.15.29.12D (1a) NMAC; therefore, the delineation points cannot be used toward closure.*
 - *Sidewalls to be sampled by collecting 5-point composite no more than two hundred (200) square feet per the reason for rejection of the initial remediation plan.*
 - *Apache has 60 days (October 30, 2023) to complete and submit the appropriate or final closure report.*
- On **March 21, 2024**, Apache submitted a *Deferral Request* for both incidents summarizing excavation activities completed following the unsuccessful treatment of soil with the bioremediation agent. A deferral was requested for impacted soil present in areas in close proximity to and/or under infrastructure follow the removal of impacts to the maximum extent practicable. Photographs of the final excavated areas are included in Appendix A. The *Deferral Request* was rejected the same day for the following reasons:
 - *This application has been rejected because the C-141 is incomplete. The submitted application indicates a conflict between the questions answered and the attachments that have been submitted. For example the answer "No" was selected when requesting a remediation plan approval; however, your attachments indicate that the intent is to request a remediation deferral approval. If requesting a deferral a "Yes" must be selected to remediation plan approval and then answer "Yes" to Requesting a deferral of the remediation closure due date with the approval of this submission. Please review the Dec 1, 2023, Public Notice titled Implementation of Digital C-141 and New Incident Statuses*

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found on the NMOCD website. Review your C-141 submission and submit a new C-141 answering the appropriate questions for your circumstance.

- Apache resubmitted the *Deferral Request* to the NMCOD. On **March 7, 2025**, NMOCD denied the *Deferral Request* for the following reasons:
 - *Area has not been vertically delineated per 19.15.29.11 NMAC.*
 - *Due to bullet #1, estimated volume of soil impacts remaining in place has not been determined.*
 - *All samples collected March 4, 2024, are invalid due to not submitting a notification of sampling per 19.15.29.12D (1a) NMAC.*
 - *Site maps and photographs poorly represent areas samples. Devon [Apache] must clarify and depict which samples demonstrate the estimated areas to be left in place if a request for deferral is submitted.*
 - *Devon [Apache] has 90 days (June 5, 2025) to submit to NMOCD its appropriate or final remediation closure report.*

SITE CHARACTERIZATION

As part of the Site investigation, nearby sensitive receptors were assessed in accordance with Title 19, Chapter 15, Part 29, Sections 11 and 12 (19.15.29.11 and 12) of the New Mexico Administrative Code (NMAC).

POTENTIAL SENSITIVE RECEPTORS

Potential nearby receptors were assessed through desktop reviews of United States Geological Survey (USGS) topographic maps, Federal Emergency Management Administration (FEMA) Geographic Information System (GIS) maps, New Mexico Office of the State Engineer (NMOSE) database, aerial photographs, and Site-specific observations.

The nearest significant watercourse to the Site is a designated wetland located approximately 2,963 feet southeast of the Site. The nearest depth to groundwater borehole was completed on May 11, 2023, approximately 55 feet south of the Site. The borehole was drilled to a depth of 111 feet bgs and left open for 72 hours. No groundwater was observed within the borehole. The soil bore report for this borehole is included as Appendix B.

The Site is greater than 200 feet from any lakebed, sinkhole, playa lake, or wetland (Figure 1). No wellhead protection areas, springs, or domestic/stock wells are located within a ½-mile from the Site (Figure 1). The Site is not within a 100-year floodplain or overlying a subsurface mine. Schools, hospitals, institutions, churches, and/or other occupied permanent residence or structures are not located within 300 feet of the Site. The Site is located within an area designated as low potential karst by the Bureau of Land Management. A Site receptor map is shown on Figure 1.

SITE CONDITIONS

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- The Natural Resources Conservation Service (NRCS) Web Soil Survey classifies the soil type at the Site as predominantly Simona fine sandy loam, 0-3 percent slopes.

Summary of Gypsum Land-Cottonwood:

- Typical Soil Profile
 - 0 to 8 inches: Fine sandy loam
 - 8 to 16 inches: Gravelly fine sandy loam
 - 16 to 26 inches: Cemented material
- Properties
 - Slope: 0 to 3 percent slopes
 - Depth to restrictive feature: 7 to 20 inches to petrocalcic bedrock
 - Drainage Class: Well drained
 - Runoff class: Very high
- Cultural and Biological Review:
 - Remediation activities remained in previously disturbed areas of the Site pad. If any surface disturbing activities encroach into undisturbed areas, the Cultural Properties Protection (CPP) Rule would have been followed.
 - The Site is located within an NMSLO Candidate Conservation Agreement with Assurances (CCAA) area for the Lesser Prairie Chicken (LPC) and within BLM mapped isolated population area.
 - Construction activities were avoided during breeding, nesting, and early brood-rearing seasons, which occur annually between starting March 1 through July 15.
 - The Site is not located within the mapped range of the Dunes Sagebrush Lizard.
 - The Site is not located within the CCAA boundary for the Texas Hornshell mussel.
 - A review of the U.S. Fish and Wildlife Services Information for Planning and Consultation (IPaC) resources indicated there are no critical wildlife habitats at the Site. IPaC resources indicated experimental population, non-essential bird species (Northern Aplomado Falcon) and insect species (Monarch Butterfly) are potentially present in the area near the Site.
 - A review of the New Mexico Crucial Habitat Assessment Tool (CHAT) indicated a CHAT score of 5. The NatureServe Explorer database indicated the potential for Dunes Sagebrush Lizard and Ornate Box Turtle to be present in the area.
 - Remediation activities did not extend outside of the previously disturbed remediation extent. If future activities occur in undisturbed areas Hilcorp will work with an NMSLO biologist to determine if a special status plant species (SSPS) survey or biological survey is warranted.
 - Remediation activities did not negatively impact sensitive receptors or sensitive soils.

SITE CLOSURE CRITERIA

Based on the information presented above and in accordance with the *Table I, Closure Criteria for Soils Impacted by a Release* (19.15.29.12 NMAC), the following Closure Criteria for constituents of concern (COCs) should be applied to the Site:

- Benzene: 10 milligrams per kilogram (mg/kg);
- BTEX: 50 mg/kg;

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- TPH-gasoline range organics (GRO) + TPH-diesel range organics (DRO): 1,000 mg/kg;
- Total TPH: 2,500 mg/kg; and
- Chloride: 20,000 mg/kg.

A reclamation requirement of 600 mg/kg chloride and 100 mg/kg TPH applies to the top 4 feet of soil for areas that are no longer in use and areas that will be reclaimed following remediation, per 19.15.29.13.D (1) NMAC.

DELINEATION ACTIVITIES

A *Site Assessment and Remediation Work Plan* was submitted to NMOCD and NMSLO on June 17, 2026, proposing additional delineation sampling within and surrounding the secondary containment. Prior to sampling a notification of sampling was submitted per 19.15.29.12D (1a) New Mexico Administrative Code (NMAC). On July 20, 2026, Hilcorp advanced boreholes BH01 and BH02, one within each of the previous release extents (Figure 2) to vertically delineate the extent of impacted soil resulting from the two releases. Four additional boreholes (BH03 through BH06) were advanced to establish horizontal delineation around the estimated release footprint in each cardinal direction. Discrete soil samples were collected at 1-foot intervals utilizing a hand auger, until field screening indicated vertical delineation had been achieved. Boreholes BH02 through BH06 were advanced to a depth of 1-foot bgs, and borehole BH01 was completed to 2 feet bgs. The soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID), TPH using PetroFLAG®, and chloride using Hach® chloride QuanTab® test strips. Shallow bedrock was encountered at 2 feet bgs within the northern release extent at BH01 and at 1-foot bgs within the southern release extent and surrounding the containment at BH02 through BH06. Field screening results indicated that soil sample BH01, collected at 2 feet bgs (deepest interval before refusal), exhibited the highest degree of impact and was therefore submitted for laboratory analysis.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico, for analysis of TPH following United States Environmental Protection Agency (EPA) Method 8015M/D, BTEX following EPA Method 8021, and chloride following Standard Method 4500. Soil sample locations are presented on Figure 2. A photographic log is provided as Appendix A.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for all soil delineation samples collected indicated that COC concentrations were compliant with the Closure Criteria.

- Chloride concentrations in the samples collected were all below Closure Criteria (600 mg/kg) ranging from 16 mg/kg (BH02 and BH06) to 160 mg/kg (BH03);
- TPH-GRO, TPH-DRO, and TPH-ORO were all below laboratory detection, with the exception of TPH-DRO (659 mg/kg) and TPH-ORO (441 mg/kg) in BH01.

The analytical results are summarized in Table 1 and the laboratory analytical report is included as Appendix C,

DEFERRAL REQUEST

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Impacted soil from the two releases was removed to the maximum extent practicable in February 2024 following unsuccessful in-situ bioremediation. The remaining impacted soil is limited to the area beneath active production equipment and surface piping within the secondary containment where remediation would require major facility deconstruction. The impacted soil has been vertically delineated to the Site-Specific Closure Criteria by soil samples BH01 and BH02 and laterally delineated by BH03, BH04, BH05, and BH06.

Once the remaining impacted soil can be accessed and safely excavated during Site reconstructed or abandonment of the well pad (whichever occurs first), Hilcorp will remove waste-containing soil within the southern portion of the battery to a depth of 1-foot bgs and waste-containing soil within the northern portion of the battery to a depth of 2 feet bgs, based on delineation soil sample analytical results. Additionally, soil between 2 feet bgs and 4 feet bgs may need to be removed at final reclamation to meet the reclamation standard of 100 mg/kg TPH. Hilcorp estimates the removal of approximately 56 cubic yards from an approximate 1,500 square foot area in the southern portion of the battery, and the removal of approximately 125 cubic yards from an approximate 1,650 square foot area in the northern portion of the battery. The estimated volume of impacted soil to be temporarily left in-situ is estimated to be 181 cubic yards within approximately 3,150 square feet. The lateral extent of impacted soil is limited to the area within secondary containment. The proposed deferral area is presented on Figure 3.

Hilcorp does not believe deferment will result in imminent risk to human health, the environment, or groundwater. Depth to groundwater has been estimated to be greater than 100 feet bgs and no other sensitive receptors were identified near the Site. The entirety of the releases remained on pad within the secondary containment, and all delineation soil samples collected from outside the secondary containment confirm benzene, BTEX, and TPH are below the laboratory detection limit, and chloride is below Closure Criteria. Soil impacts have been removed to the maximum extent practicable. Based on the presence of densely spaced active production equipment and production pipelines within the release area, and completion of lateral and vertical delineation of impacted soil, Hilcorp respectfully requests deferral of final remediation for Incident Numbers nAPP2210935265 and nAPP230033064 until the Site is reconstructed or the well pad is abandoned, whichever occurs first.

If you have any questions or comments, please contact Brooke Herb at (970) 403-6824 or bherb@ensolum.com.

Sincerely,
Ensolum, LLC



Michael A. Wicker
Senior Geologist



Brooke Herb
Senior Managing Geologist

cc: Billy Ginn, Hilcorp
NMSLO

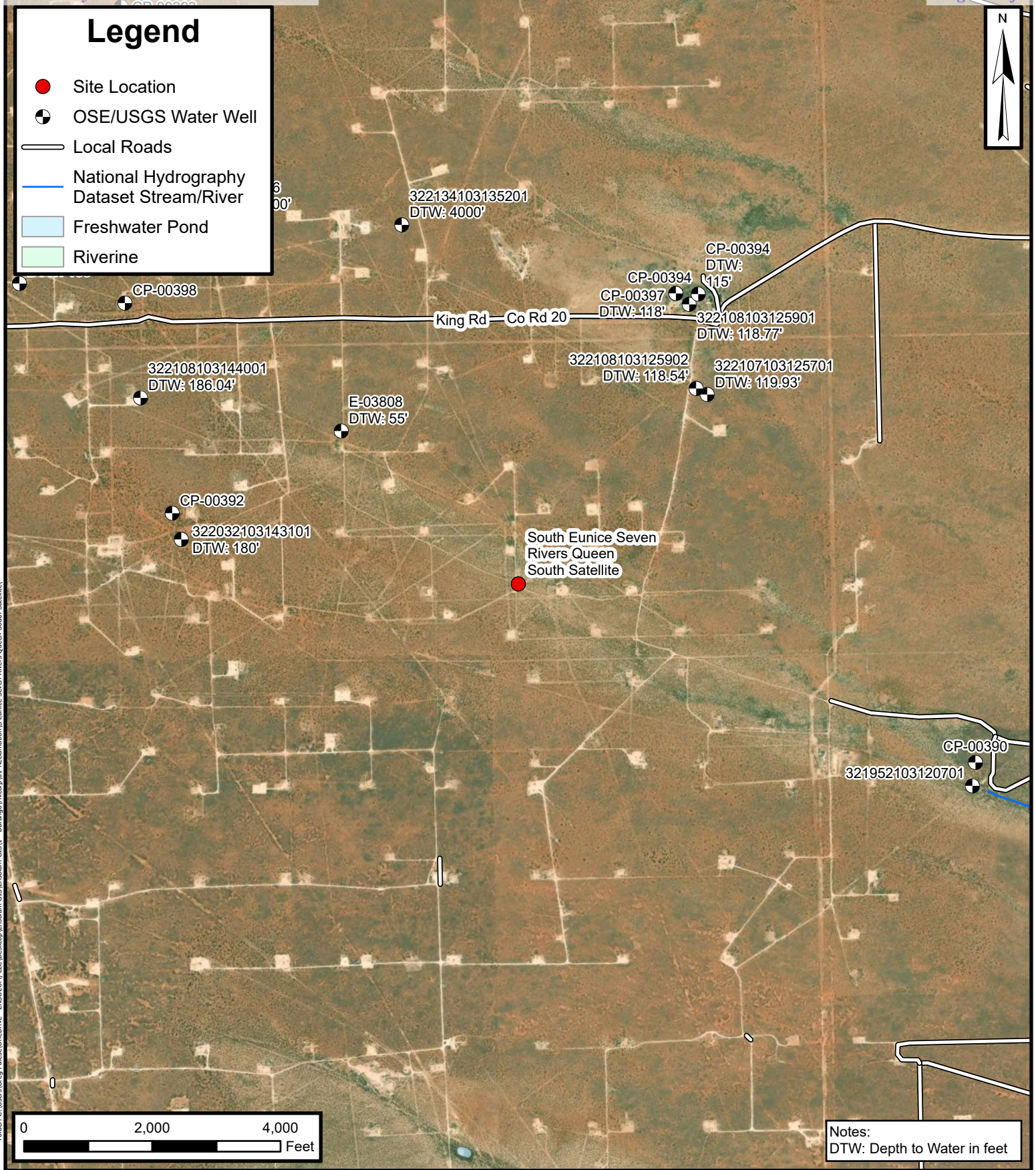
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Appendices:

Figure 1	Site Location Map
Figure 2	Soil Sample Location Map
Figure 3	Proposed Deferral Area
Table 1	Laboratory Analytical Results
Appendix A	Photographic Log
Appendix B	Depth to Groundwater Soil Boring Log
Appendix C	Laboratory Analytical Reports



FIGURES

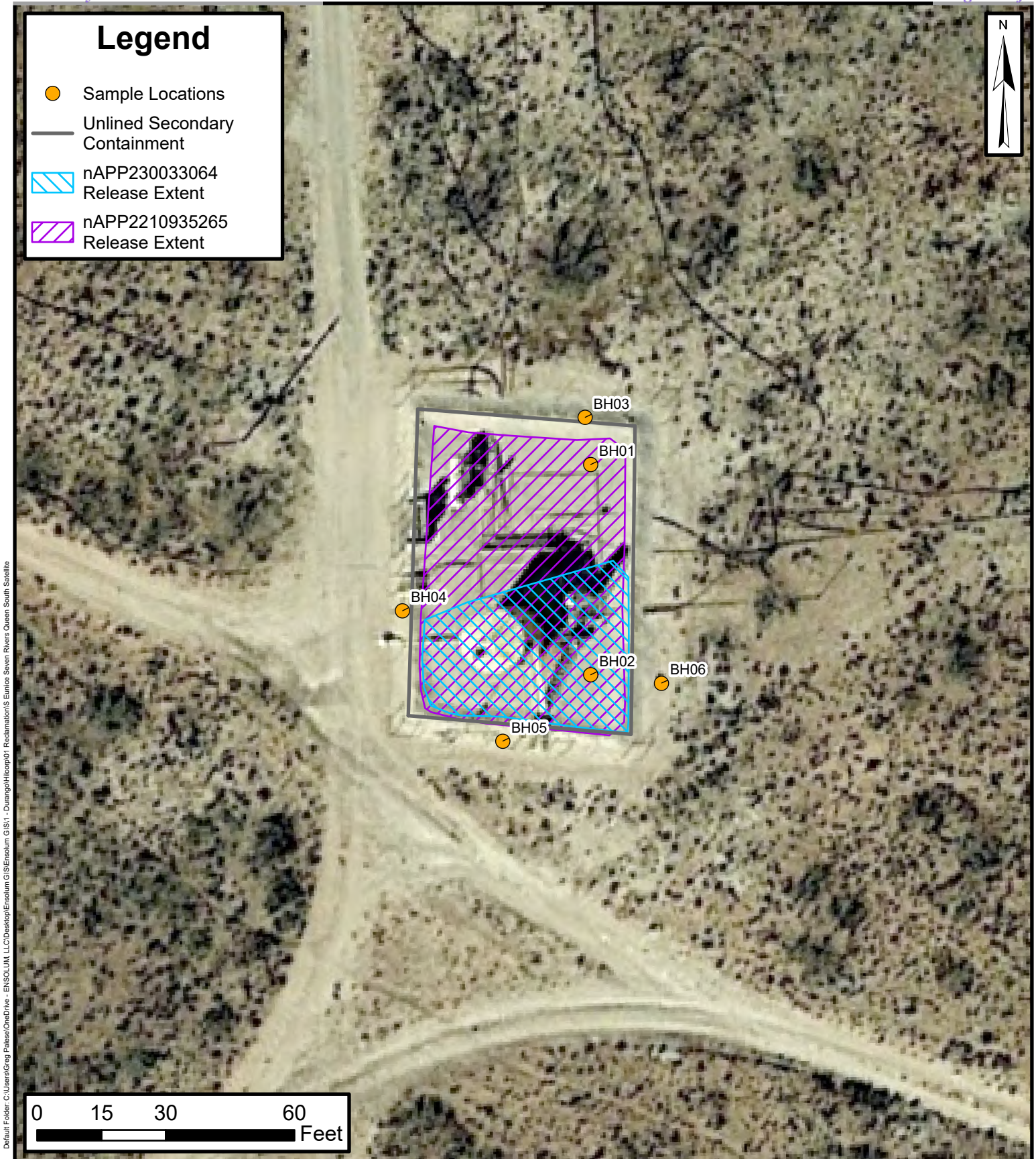


Site Location Map

South Eunice Seven Rivers Queen South Satellite
Hilcorp Energy Company

32.3440925, -103.2259918
Lea County, New Mexico

FIGURE
1



Soil Sample Location Map

South Eunice Seven Rivers Queen South Satellite
Hilcorp Energy Company

32.3440925, -103.2259918
Lea County, New Mexico

FIGURE
2





Default Folder: C:\Users\Greg Palawa\OneDrive - ENSOLUM, LLC\Desktop\Ensolum GIS\Ensolum GIS1 - Durango\Hilcorp01 Reclamation\South Eunice Seven Rivers Queen South Satellite



Proposed Deferral Area

South Eunice Seven Rivers Queen South Satellite
Hilcorp Energy Company

32.3440925, -103.2259918
Lea County, New Mexico

FIGURE
3



TABLE



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Seven Rivers Queen South Satellite
 Hilcorp Energy Company
 Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
Delineation Soil Samples										
BH01	7/20/2026	2	<0.050	<0.300	<10.0	659	441	659	1,100	64.0
BH02	7/20/2026	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
BH03	7/20/2026	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
BH04	7/20/2026	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
BH05	7/20/2026	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
BH06	7/20/2026	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

NE: Not Established

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

< : Indicates result less than the stated laboratory reporting limit

Grey text represents samples that have been excavated

Concentrations in **bold** exceed the NMOCD Table 1 Closure Criteria and/or reclamation standard where applicable.



APPENDIX A

Photographic Log



Photographic Log

Hilcorp Energy Company

Seven Rivers Queen South Satellite

#nAPP2210935265 / nAPP230033064

Date & Time: Mon, Nov 24, 2025 at 11:25:39 MST
Position: +032.344130° / -103.226140° (±9.9ft)
Altitude: 3466ft (±9.8ft)
Datum: WGS-84
Azimuth/Bearing: 079° N79E 1404mils True (±11°)
Elevation Angle: -06.8°
Horizon Angle: -01.5°
Zoom: 0.5X



Photograph 1

Date: 11/24/2025

Description: Process equipment and piping

View: East

Date & Time: Mon, Nov 24, 2025 at 11:26:53 MST
Position: +032.344132° / -103.226039° (±14.0ft)
Altitude: 3467ft (±11.4ft)
Datum: WGS-84
Azimuth/Bearing: 040° N40E 0818mils True (±11°)
Elevation Angle: -05.2°
Horizon Angle: -01.9°
Zoom: 0.5X



Photograph 2

Date: 11/24/2025

Description: Process equipment and piping

View: Northeast

Date & Time: Mon, Nov 24, 2025 at 11:25:53 MST
Position: +032.344234° / -103.226117° (±12.8ft)
Altitude: 3462ft (±11.2ft)
Datum: WGS-84
Azimuth/Bearing: 112° S68E 1991mils True (±11°)
Elevation Angle: -01.9°
Horizon Angle: -01.6°
Zoom: 0.5X



Photograph 3

Date: 11/24/2025

Description: Process equipment and piping

View: East

Date & Time: Mon, Nov 24, 2025 at 11:48:17 MST
Position: +032.344143° / -103.226055° (±11.6ft)
Altitude: 3463ft (±9.8ft)
Datum: WGS-84
Azimuth/Bearing: 070° N70E 1264mils True (±11°)
Elevation Angle: -05.4°
Horizon Angle: -00.4°
Zoom: 0.5X



Photograph 4

Date: 11/24/2025

Description: Process equipment and piping

View: East



Photographic Log

Hilcorp Energy Company

Seven Rivers Queen South Satellite

#nAPP2210935265 / nAPP230033064

Date & Time: Mon, Nov 24, 2025 at 11:48:16 MST
Position: -032.364141° / -103.226084° (±11.6ft)
Altitude: 3683ft (±9.8ft)
Datum: WGS-84
Azimuth/Bearing: 120° S60E 2133mits True (±11°)
Elevation Angle: -09.0°
Horizon Angle: -01.9°
Zoom: 0.5X



Photograph 5

Date: 11/24/2025

Description: Process equipment and piping

View: West

Date & Time: Mon, Nov 24, 2025 at 11:51:39 MST
Position: -032.364112° / -103.226029° (±11.6ft)
Altitude: 3681ft (±9.8ft)
Datum: WGS-84
Azimuth/Bearing: 066° N66E 1173mits True (±11°)
Elevation Angle: -13.4°
Horizon Angle: +01.1°
Zoom: 0.5X



Photograph 6

Date: 11/24/2025

Description: Process equipment and piping

View: East

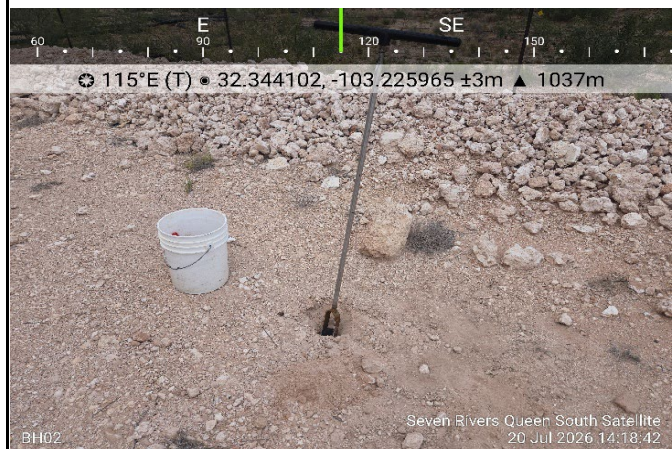


Photograph 7

Date: 07/20/2026

Description: BH01 soil sample location

View: East



Photograph 8

Date: 07/20/2026

Description: BH02 soil sample location

View: East

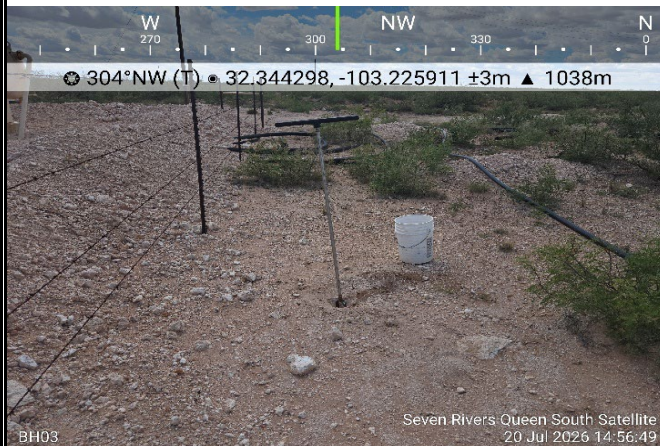


Photographic Log

Hilcorp Energy Company

Seven Rivers Queen South Satellite

#nAPP2210935265 / nAPP230033064



Photograph 9 Date: 07/20/2026

Description: BH03 soil sample location

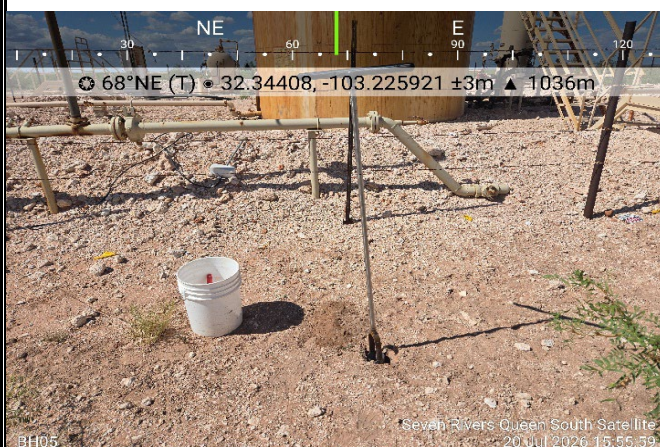
View: Northwest



Photograph 10 Date: 07/20/2026

Description: BH04 soil sample location

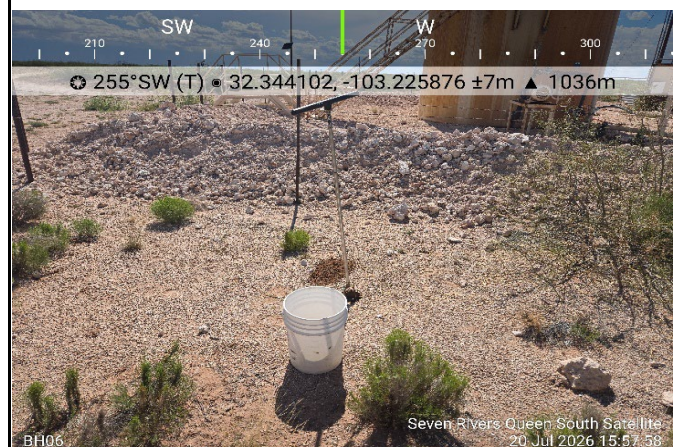
View: South



Photograph 11 Date: 07/20/2026

Description: BH05 soil sample location

View: East



Photograph 12 Date: 07/20/2026

Description: BH06 soil sample location

View: West

Seven Rivers Queen South Satellite
Final Excavation Photos From Previous Apache Report





APPENDIX B

Depth to Groundwater Soil Boring Log

Desert Sand Water Well Services, LLC.

Soil Bore Report

General / Well Info	Customer:		Phone:	Date:
	Well Name:		Location:	

LOG OF WELL	DEPTH		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER BEARING CAVITIES OR FRACTURES
	FROM	TO		



APPENDIX C

Laboratory Analytical Reports



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

July 27, 2026

MICHAEL WICKER

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: SEVEN RIVERS QUEEN SOUTH SATELLITE

Enclosed are the results of analyses for samples received by the laboratory on 07/21/26 14:14.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C26-00106. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
 MICHAEL WICKER
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	07/21/2026	Sampling Date:	07/20/2026
Reported:	07/27/2026	Sampling Type:	Soil
Project Name:	SEVEN RIVERS QUEEN SOUTH SATELLIT	Sampling Condition:	Cool & Intact
Project Number:	07B1988045	Sample Received By:	Tamara Oldaker
Project Location:	HILCORP 32.3440925,-103.2259918		

Sample ID: BH01 - 2' (H264069-01)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2026	ND	2.06	103	2.00	2.76	
Toluene*	<0.050	0.050	07/22/2026	ND	1.97	98.3	2.00	2.59	
Ethylbenzene*	<0.050	0.050	07/22/2026	ND	1.97	98.3	2.00	3.35	
Total Xylenes*	<0.150	0.150	07/22/2026	ND	5.75	95.9	6.00	3.07	
Total BTEX	<0.300	0.300	07/22/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 70.7-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: ED					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/22/2026	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2026	ND	219	110	200	0.588	
DRO >C10-C28*	659	10.0	07/22/2026	ND	234	117	200	3.67	
EXT DRO >C28-C36	441	10.0	07/22/2026	ND					

Surrogate: 1-Chlorooctane 97.1 % 48-117

Surrogate: 1-Chlorooctadecane 87.1 % 39-120

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ENSOLUM
 MICHAEL WICKER
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	07/21/2026	Sampling Date:	07/20/2026
Reported:	07/27/2026	Sampling Type:	Soil
Project Name:	SEVEN RIVERS QUEEN SOUTH SATELLIT	Sampling Condition:	Cool & Intact
Project Number:	07B1988045	Sample Received By:	Tamara Oldaker
Project Location:	HILCORP 32.3440925,-103.2259918		

Sample ID: BH02 - 1' (H264069-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2026	ND	2.06	103	2.00	2.76		
Toluene*	<0.050	0.050	07/22/2026	ND	1.97	98.3	2.00	2.59		
Ethylbenzene*	<0.050	0.050	07/22/2026	ND	1.97	98.3	2.00	3.35		
Total Xylenes*	<0.150	0.150	07/22/2026	ND	5.75	95.9	6.00	3.07		
Total BTEx	<0.300	0.300	07/22/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 70.7-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: ED						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	07/22/2026	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2026	ND	219	110	200	0.588	
DRO >C10-C28*	<10.0	10.0	07/22/2026	ND	234	117	200	3.67	
EXT DRO >C28-C36	<10.0	10.0	07/22/2026	ND					

Surrogate: 1-Chlorooctane 102 % 48-117

Surrogate: 1-Chlorooctadecane 99.5 % 39-120

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Analytical Results For:

ENSOLUM
 MICHAEL WICKER
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	07/21/2026	Sampling Date:	07/20/2026
Reported:	07/27/2026	Sampling Type:	Soil
Project Name:	SEVEN RIVERS QUEEN SOUTH SATELLIT	Sampling Condition:	Cool & Intact
Project Number:	07B1988045	Sample Received By:	Tamara Oldaker
Project Location:	HILCORP 32.3440925,-103.2259918		

Sample ID: BH03 - 1' (H264069-03)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2026	ND	2.06	103	2.00	2.76		
Toluene*	<0.050	0.050	07/22/2026	ND	1.97	98.3	2.00	2.59		
Ethylbenzene*	<0.050	0.050	07/22/2026	ND	1.97	98.3	2.00	3.35		
Total Xylenes*	<0.150	0.150	07/22/2026	ND	5.75	95.9	6.00	3.07		
Total BTX	<0.300	0.300	07/22/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 70.7-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: ED						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	07/22/2026	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2026	ND	219	110	200	0.588	
DRO >C10-C28*	<10.0	10.0	07/22/2026	ND	234	117	200	3.67	
EXT DRO >C28-C36	<10.0	10.0	07/22/2026	ND					

Surrogate: 1-Chlorooctane 84.3 % 48-117

Surrogate: 1-Chlorooctadecane 81.4 % 39-120

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
 MICHAEL WICKER
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	07/21/2026	Sampling Date:	07/20/2026
Reported:	07/27/2026	Sampling Type:	Soil
Project Name:	SEVEN RIVERS QUEEN SOUTH SATELLIT	Sampling Condition:	Cool & Intact
Project Number:	07B1988045	Sample Received By:	Tamara Oldaker
Project Location:	HILCORP 32.3440925,-103.2259918		

Sample ID: BH04 - 1' (H264069-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2026	ND	2.06	103	2.00	2.76		
Toluene*	<0.050	0.050	07/22/2026	ND	1.97	98.3	2.00	2.59		
Ethylbenzene*	<0.050	0.050	07/22/2026	ND	1.97	98.3	2.00	3.35		
Total Xylenes*	<0.150	0.150	07/22/2026	ND	5.75	95.9	6.00	3.07		
Total BTEx	<0.300	0.300	07/22/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 70.7-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: ED						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/22/2026	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2026	ND	219	110	200	0.588	
DRO >C10-C28*	<10.0	10.0	07/22/2026	ND	234	117	200	3.67	
EXT DRO >C28-C36	<10.0	10.0	07/22/2026	ND					

Surrogate: 1-Chlorooctane 99.5 % 48-117

Surrogate: 1-Chlorooctadecane 96.9 % 39-120

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ENSOLUM
 MICHAEL WICKER
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	07/21/2026	Sampling Date:	07/20/2026
Reported:	07/27/2026	Sampling Type:	Soil
Project Name:	SEVEN RIVERS QUEEN SOUTH SATELLIT	Sampling Condition:	Cool & Intact
Project Number:	07B1988045	Sample Received By:	Tamara Oldaker
Project Location:	HILCORP 32.3440925,-103.2259918		

Sample ID: BH05 - 1' (H264069-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2026	ND	2.06	103	2.00	2.76		
Toluene*	<0.050	0.050	07/22/2026	ND	1.97	98.3	2.00	2.59		
Ethylbenzene*	<0.050	0.050	07/22/2026	ND	1.97	98.3	2.00	3.35		
Total Xylenes*	<0.150	0.150	07/22/2026	ND	5.75	95.9	6.00	3.07		
Total BTEx	<0.300	0.300	07/22/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 70.7-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: ED						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	07/22/2026	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2026	ND	219	110	200	0.588	
DRO >C10-C28*	<10.0	10.0	07/22/2026	ND	234	117	200	3.67	
EXT DRO >C28-C36	<10.0	10.0	07/22/2026	ND					

Surrogate: 1-Chlorooctane 88.2 % 48-117

Surrogate: 1-Chlorooctadecane 85.5 % 39-120

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Analytical Results For:

ENSOLUM
 MICHAEL WICKER
 3122 NATIONAL PARKS HWY
 CARLSBAD NM, 88220
 Fax To:

Received:	07/21/2026	Sampling Date:	07/20/2026
Reported:	07/27/2026	Sampling Type:	Soil
Project Name:	SEVEN RIVERS QUEEN SOUTH SATELLIT	Sampling Condition:	Cool & Intact
Project Number:	07B1988045	Sample Received By:	Tamara Oldaker
Project Location:	HILCORP 32.3440925,-103.2259918		

Sample ID: BH06 - 1' (H264069-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2026	ND	2.06	103	2.00	2.76		
Toluene*	<0.050	0.050	07/22/2026	ND	1.97	98.3	2.00	2.59		
Ethylbenzene*	<0.050	0.050	07/22/2026	ND	1.97	98.3	2.00	3.35		
Total Xylenes*	<0.150	0.150	07/22/2026	ND	5.75	95.9	6.00	3.07		
Total BTEX	<0.300	0.300	07/22/2026	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 70.7-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: ED						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	07/22/2026	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: JF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2026	ND	219	110	200	0.588	
DRO >C10-C28*	<10.0	10.0	07/22/2026	ND	234	117	200	3.67	
EXT DRO >C28-C36	<10.0	10.0	07/22/2026	ND					

Surrogate: 1-Chlorooctane 96.3 % 48-117

Surrogate: 1-Chlorooctadecane 95.1 % 39-120

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Notes and Definitions

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

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Page 1 of 1

Company Name: Ensolum, LLC

Project Manager:

Address: 3122 National Parks Hwy.

City: Carlsbad

Phone #: 844-500-7775

State: TX Zip: 88220

Project #: 07B1988045

Fax #: Project Owner: Hilcorp

Project Name: Seven Rivers Queen South Satellite

Project Location: 32.3440925, -103.2259918

Sampler Name: Bowman Simmons

BILL TO

ANALYSIS REQUEST

P.O. #:

Company: Hilcorp

Attn: Billy Ginn

Address: 1111 Travis Street

City: Houston

State: TX Zip: 77002

Phone #:

Fax #:

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

H364269

	BH01 - 2'	BH02 - 1'	BH03 - 1'	BH04 - 1'	BH05 - 1'	BH06 - 1'
(G)RAB OR (C)OMP.	G 1	G 1	G 1	G 1	G 1	G 1
# CONTAINERS	1	1	1	1	1	1
GROUNDWATER						
WASTEWATER						
SOIL						
OIL						
SLUDGE						
OTHER :						
ACID/BASE:						
ICE / COOL						
OTHER :						
DATE	7/20/26					
TIME	13:38	14:19	14:51	15:27	15:54	16:20

B5

Chloride SM4500
BTX 8021B
TPH 8015M

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Relinquished By:

Date: 7/21/26 Received By:

Relinquished By:

Date: 7/21/26 Received By:

Delivered By: (Circle One)

Observed Temp. °C

Sample Condition

CHECKED BY: (Initials)

Turnaround Time:

Standard

☒

Bacteria (only)

Sample Condition

Observed Temp. °C

Corrected Temp. °C

Sampler - UPS - Bus - Other:

Corrected Temp. °C

Cool Intact

Yes

Thermometer ID #140

Correction Factor

☒

Cool Intact

Observed Temp. °C

Corrected Temp. °C

Corrected Temp. °C

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

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS

Action 612198

QUESTIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 612198
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2210935265
Incident Name	NAPP2210935265 SEVEN RIVERS QUEEN SOUTH SATELLITE @ 30-025-28448
Incident Type	Produced Water Release
Incident Status	Deferral Request Received
Incident Well	[30-025-28448] SOUTH EUNICE SEVEN RIVERS QUEEN UNIT #435

Location of Release Source

Please answer all the questions in this group.

Site Name	SEVEN RIVERS QUEEN SOUTH SATELLITE
Date Release Discovered	04/09/2022
Surface Owner	State

Incident Details

Please answer all the questions in this group.

Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Cause: Overflow - Tank, Pit, Etc. Tank (Any) Crude Oil Released: 20 BBL Recovered: 20 BBL Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Overflow - Tank, Pit, Etc. Tank (Any) Produced Water Released: 80 BBL Recovered: 70 BBL Lost: 10 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Entire release was contained inside secondary containment

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 2

Action 612198

QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 612198
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: Stuart Hyde Title: Senior Geologist Email: shyde@ensolum.com Date: 08/06/2026
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Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 3

Action 612198

QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 612198
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	Attached Document
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	160
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	1100
GRO+DRO (EPA SW-846 Method 8015M)	659
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	11/24/2025
On what date will (or did) the final sampling or liner inspection occur	07/20/2026
On what date will (or was) the remediation complete(d)	07/20/2026
What is the estimated surface area (in square feet) that will be reclaimed	3150
What is the estimated volume (in cubic yards) that will be reclaimed	181
What is the estimated surface area (in square feet) that will be remediated	3150
What is the estimated volume (in cubic yards) that will be remediated	181
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 612198

QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 612198
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	fEEM0112334085 SUNDANCE PARABO
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
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.	
I hereby agree and sign off to the above statement	Name: Stuart Hyde Title: Senior Geologist Email: shyde@ensolum.com Date: 08/06/2026
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 612198

QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 612198
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Deferral Requests Only	
<i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	AST, surface piping, subsurface piping, header, separator, dehydrator, and meter
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	3150
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	181
<i>Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.</i>	
Enter the facility ID (f#) on which this deferral should be granted	Not answered.
Enter the well API (30-) on which this deferral should be granted	30-025-28448 SOUTH EUNICE SEVEN RIVERS QUEEN UNIT #435
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
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.	
I hereby agree and sign off to the above statement	Name: Stuart Hyde Title: Senior Geologist Email: shyde@ensolum.com Date: 08/06/2026

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QUESTIONS, Page 6

Action 612198

QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 612198
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	605074
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/20/2026
What was the (estimated) number of samples that were to be gathered	6
What was the sampling surface area in square feet	3135

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	No
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CONDITIONS

Action 612198

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 612198
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
nvez	Deferral is approved. Remediation Due date will be left open until the site has been plugged and abandoned or a major facility deconstruction takes place.	8/18/2026