

District I
 1825 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

QUESTIONS

Action 38095

QUESTIONS

Operator: Lucid Artesia Company 201 S. Fourth Street Artesia, NM 88210	OGRID: 147831
	Action Number: 38095
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source

Please answer all of the questions in this group.

Site Name	Terlingua 6" pipeline
Date Release Discovered	07/12/2021
Surface Owner	State

Incident Details

Please answer all of the questions in this group.

Incident Type	Natural Gas Release
Did this release result in a fire or is the result of a fire	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	Not answered.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of dissolved chloride in the produced water >10,000 mg/l	Not answered.
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Cause: Corrosion Pipeline (Any) Natural Gas Vented Spilled: 945 Mcf Recovered: 0 Mcf Lost: 945 Mcf }
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)	Not answered.
Was this a major release as defined by 19.15.29.7(A) NMAC	Yes, major release.
Reasons why this would be considered a submission for a notification of a major release	<ul style="list-style-type: none"> Unauthorized release of gases exceeding 500 Mcf
If YES, was immediate notice given to the OCD, by whom	Michael Gant
If YES, was immediate notice given to the OCD, to whom	Bureau Chief, NMOCD district 2, NMSLO Carlsbad
If YES, was immediate notice given to the OCD, when	07/26/2021
If YES, was immediate notice given to the OCD, by what means (phone, email, etc)	email

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 19.15.29.8 B. (4) 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 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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ACKNOWLEDGMENTS

Action 38095

ACKNOWLEDGMENTS

Operator: Lucid Artesia Company 201 S. Fourth Street Artesia, NM 88210	OGRID: 147831
	Action Number: 38095
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I acknowledge that I am authorized to submit notification of a releases on behalf of my operator.
<input checked="" type="checkbox"/>	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	I acknowledge the fact that 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.
<input checked="" type="checkbox"/>	I acknowledge the fact that, 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.

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Energy, Minerals and Natural Resources
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CONDITIONS

Action 38095

CONDITIONS

Operator: Lucid Artesia Company 201 S. Fourth Street Artesia, NM 88210	OGRID: 147831
	Action Number: 38095
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
system	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	7/26/2021

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State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	nAPP2120764027
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	Frontier Field Services, LLC.	OGRID	221115
Contact Name	Darin B. Kennard	Contact Telephone	(346) 351-2790
Contact email	dkennard@durangomidstream.com	Incident # (assigned by OCD)	nAPP2120764027
Contact mailing address	10077 Grogans Mill Rd. Suite 300. The Woodlands, TX 77380, USA		

Location of Release Source

Latitude 32.726000° Longitude -104.038664°
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Terlingua 6" Pipeline	Site Type	Natural gas pipeline
Date Release Discovered	7/12/2021	API# (if applicable)	

Unit Letter	Section	Township	Range	County
P	23	18S	29E	Eddy

Surface Owner: State Federal Tribal Private (Name: New Mexico State Land Office)

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 type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Natural Gas	Volume Released (Mcf) 945 MCF	Volume Recovered (Mcf) 0 MCF
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

The release was caused by corrosion in the pipe which led to a leak forming on the bottom of the pipe.

Form C-141

State of New Mexico
Oil Conservation Division

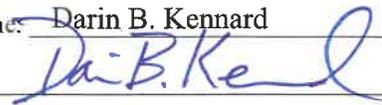
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Incident ID	nAPP2120764027
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? This is considered a major release due to the total lost volume of natural gas of >500 MCF.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Immediate notice was not provided to OCD, as Lucid did not have immediate and accurate volume calculations of the loss. Once volume loss had been confirmed Lucid EHSR immediately notified OCD and NMSLO personnel on 7/26/2021 via email and OCD online NOR form.	

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>Darin B. Kennard</u> Title: <u>Vice President</u> Signature: <u></u> Date: <u>12/9/2021</u> email: <u>dkennard@durangomidstream.com</u> Telephone: <u>(346) 351-2790</u>
<u>OCD Only</u> Received by: _____ Date: _____

Form C-141
Page 3

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2120764027
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	> 101 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input checked="" type="checkbox"/> Yes <input 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 1/2-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.

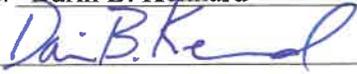
Form C-141

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	nAPP2120764027
District RP	
Facility ID	
Application ID	

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

Printed Name: Darin B. Kennard Title: Vice President
 Signature:  Date: 12/9/2021
 email: dkennard@durangomidstream.com Telephone: (346) 351-2790

OCD Only

Received by: _____ Date: _____

Form C-141

State of New Mexico
Oil Conservation Division

Page 6

Incident ID	nAPP2120764027
District RP	
Facility ID	
Application ID	

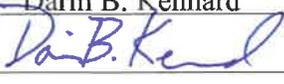
Closure

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: Darin B. Kennard Title: Vice President
 Signature:  Date: 12/9/2021
 email: dkennard@durangomidstream.com Telephone: (346) 351-2790

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: 12/17/21
 Printed Name: Cory Smith Title: Environmental Specialist Supervisor



WSP USA

3300 North "A" Street
Building 1, Unit 222
Midland, Texas 79705
432.704.5178

December 8, 2021

District II
New Mexico Oil Conservation Division
811 South First Street
Artesia, New Mexico 88210

**RE: Closure Request
Terlingua 6" Pipeline
Incident Number nAPP2120764027
Eddy County, New Mexico**

To Whom it May Concern:

WSP USA Inc. (WSP), on behalf of Frontier Field Services, LLC. (Frontier), is pleased to present the following Closure Request detailing remedial activities at the Terlingua 6" Pipeline Line (Site) located in Unit P, Section 23, Township 18 South, Range 29 East, in Eddy County, New Mexico (Figure 1). The purpose of the remediation activities was to address impacts to soil following a release of natural gas at the Site. Based on the excavation activities and results of the confirmation soil sampling event, Frontier is submitting this Closure Request, describing remediation that has occurred and requesting no further action (NFA) for Incident Number nAPP2120764027.

RELEASE BACKGROUND

On July 12, 2021, corrosion of a pipeline which lead to a pinhole leak, formed at the bottom of the pipe, and resulted in the release of 945,000 cubic feet (MCF) of natural gas to the right-of-way (ROW), west of the well pad. Lucid Energy Delaware (Lucid), who was the former operator of the asset and pipeline, reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Form C-141 on July 26, 2021 and was assigned Incident Number nAPP2120764027.

Excavation activities were completed by Lucid. The excavation area totaled approximately 345 square feet. A total of approximately 80 cubic yards of impacted soil was removed during the excavation activities. The impacted soil was transported and properly disposed of at a Lea Land Landfill Facility under Lucid approved manifests. After completion of excavation activities, the excavation areas were secured with fencing.

The asset was acquired by Frontier during November 2021. As Frontier acquired the asset, they took the liability of Incident Number nAPP2120764027. As such, Frontier secured the services of WSP to complete confirmation sampling and reporting efforts for the release. A description of confirmation sampling activities provided in subsequent sections.



SITE CHARACTERIZATION

WSP characterized the Site according to Table 1, *Closure Criteria for Soils Impacted by a Release*, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC). Depth to groundwater at the Site is estimated to be greater than 101 feet below ground surface (bgs) based a United States Geological Survey (USGS) well number 324402104014701 which is located 0.72 miles northeast of the site (168.63 feet bgs). The referenced well record is included as Attachment 1. While depth to groundwater appears to be greater than 101 feet bgs for the Site, the well location does not meet the NMOCD interpreted guidance of estimation of depth to water.

The closest continuously flowing or significant watercourse to the Site is a stream/river, located approximately 8,215 feet west of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is likely not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figure 1.

CLOSURE CRITERIA

There do not appear to be any sensitive receptors related to the Site; however, there are not water wells within 0.5-mile of the Site and therefore, the follow NMOCD Table 1 Closure Criteria apply:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH): 100 mg/kg
- Chloride: 600 mg/kg

A reclamation closure criteria of 600 mg/kg chloride and 100 mg/kg TPH was applied to the top 4 feet of the pasture area impacted by the release, per NMAC 19.15.29.13.D (1) for areas that will be reclaimed immediately following remediation.

EXCAVATION AND SOIL SAMPLING ACTIVITIES

Excavation and field screening activities were conducted by Lucid and completed before September 24, 2021. On October 20, 2021, WSP visited to the Site to conduct site assessment activities and verify the absence or presence of any residual impacted soil within the excavation area as indicated by field screening. Excavation confirmation soil samples were field screened for



volatile aromatic hydrocarbons using a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips.

WSP collected 5-point composite soil samples to represent at most 200 square feet from the floor and sidewalls of the excavation. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Soil samples SW01 through SW02 were collected from the sidewalls of the excavation at depths ranging from the ground surface to 5 feet bgs. Soil samples FS01 through FS02 were collected from the floor of the excavation ranging from 2 feet to 5 feet bgs. The confirmation soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler initials, method of analysis, and immediately placed on ice. The soil samples were transported at or below 4 degrees Celsius (°C), under strict chain-of-custody (COC) procedures to Eurofins Laboratories (Eurofins) in Carlsbad, New Mexico, for analysis of BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH following EPA Method 8015M/D; and chloride following EPA Method 300.0. The excavation extent and excavation soil sample locations are presented on Figure 2. Photographic documentation is included in Attachment 2.

SOIL ANALYTICAL RESULTS

Laboratory analytical results for all confirmation samples indicated concentrations of benzene, BTEX, TPH and chloride are compliant with reclamation and Closure Criteria. Laboratory analytical results are summarized in Table 1 and laboratory analytical reports are included as Attachment 3.

CLOSURE REQUEST

Site assessment and excavation activities were conducted by Lucid at the Site to address the July 12, 2021 release of natural gas. Laboratory analytical results for excavation confirmation soil samples, indicated benzene, BTEX, TPH, and chloride concentrations, were compliant with the reclamation and Closure Criteria. Based on the soil confirmation sample analytical results, no further remediation appears required. Following receipt of compliant excavation soil sample laboratory results, Frontier backfilled the excavation with material purchased locally and recontour the Site to match pre-existing site conditions. The subject area will also be reseeded with an approved seed mix. WSP and Frontier believe these remedial actions are protective of human health, the environment, and groundwater. As such, Frontier respectfully requests NFA for Incident Number nAPP2120764027.

Note: Due to recent operator change affecting responsible party for the subject release, Frontier requests the OGRID number for this incident to be updated to [221115]. The updated C-141 reflects new ownership information.



District II
Page 4

If you have any questions or comments, please do not hesitate to contact Mr. Daniel Moir at (303) 887-2946.

Sincerely,

WSP USA Inc.

A handwritten signature in black ink, appearing to read 'Joseph S. Hernandez'.

Joseph S. Hernandez
Associate Consultant, Geologist

A handwritten signature in black ink, appearing to read 'Daniel R. Moir'.

Daniel R. Moir, P.G.
Lead Consultant, Geologist

cc: Darin Kennard, Frontier Field Services, LLC.
New Mexico State Land Office
NMOCD

Attachments:

Figure 1 Site Location Map
Figure 2 Excavation Soil Sample Locations
Table 1 Soil Analytical Results
Attachment 1 Referenced Well Record
Attachment 2 Photographic Log
Attachment 3 Laboratory Analytical Reports

FIGURES

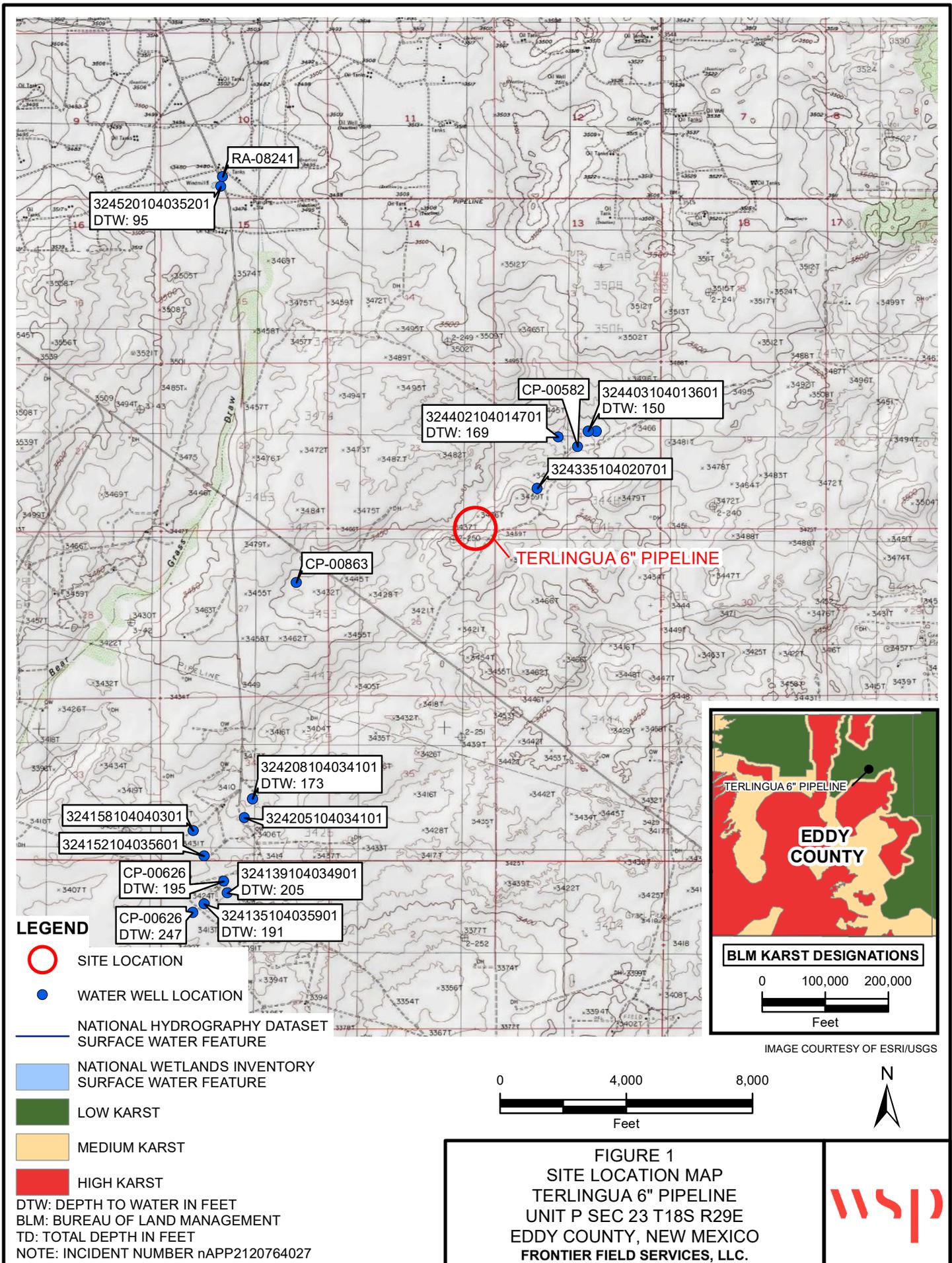
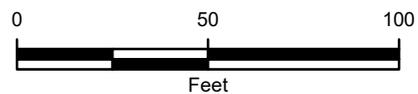




IMAGE COURTESY OF ESRI

LEGEND

- FLOOR SAMPLE IN COMPLIANCE WITH APPLICABLE CLOSURE CRITERIA
- SIDEWALL SAMPLE IN COMPLIANCE WITH APPLICABLE CLOSURE CRITERIA
- EXCAVATION EXTENT



NOTE: INCIDENT NUMBER nAPP2120764027
 SAMPLE ID@DEPTH BELOW GROUND SURFACE (FEET)

FIGURE 2
 EXCAVATION SOIL SAMPLE LOCATIONS
 TERLINGUA 6" PIPELINE
 UNIT P SEC 23 T18S R29E
 EDDY COUNTY, NEW MEXICO
 FRONTIER FIELD SERVICES, LLC.



TABLES

Table 1

**Soil Analytical Results
Terlingua 6" Pipeline
Incident Number nAPP2120764027
Eddy County, New Mexico**

Sample ID	Sample Date	Sample Depth (ft bgs)	Benzene (mg/kg)	BTEX (mg/kg)	TPH-DRO (mg/kg)	TPH-GRO (mg/kg)	TPH-ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
Excavation Floor Samples										
FS01	10/20/2021	2 - 4	<0.025	<0.221	<9.8	<4.9	<49	<9.8	<49	<61
FS02	10/20/2021	4 - 5	<0.023	<0.211	<9.2	<4.7	<46	<9.2	<46	<61
Excavation Sidewall Samples										
SW01	10/20/2021	0 - 5	<0.024	<0.213	<9.6	<4.7	<48	<9.6	<48	<60
SW02	10/20/2021	0 - 5	<0.024	<0.213	<9.4	<4.7	<47	<9.4	<47	<60

Notes:

ft - feet/foot

mg/kg - milligrams per kilograms

BTEX - benzene, toluene, ethylbenzene, and total xylenes

TPH - total petroleum hydrocarbons

DRO - diesel range organics

GRO - gasoline range organics

ORO - oil range organics

NMOCD - New Mexico Oil Conservation Division

NMAC - New Mexico Administrative Code

< - indicates result is less than the stated laboratory method practical quantitation limit

NE - Not Established

BOLD - indicates results exceed the higher of the background sample result or applicable regulatory standard

Greyed data represents samples that were excavated



USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources (Cooperator Access)

Data Category: Groundwater Geographic Area: United States GO

Click to hide News Bulletins

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

Groundwater levels for the Nation

Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

Agency code = usgs
site_no list = 324402104014701

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 324402104014701 18S.29E.24.14413

Eddy County, New Mexico
Latitude 32°44'01.5", Longitude 104°01'48.9" NAD83
Land-surface elevation 3,441 feet above NAVD88
The depth of the well is 202.00 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Santa Rosa Sandstone (231SNRS) local aquifer.

Output formats

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

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	Status	Method of measurement	Measuring agency	Source of measurement	Water-level approval status
1994-03-30			D 62610		3279.53	NGVD29		S			A
1994-03-30			D 62611		3281.04	NAVD88		S			A
1994-03-30			D 72019	159.96				S			A
2015-12-16	17:30 UTC		m 62610		3270.86	NGVD29	1	S	USGS	S	A
2015-12-16	17:30 UTC		m 62611		3272.37	NAVD88	1	S	USGS	S	A
2015-12-16	17:30 UTC		m 72019	168.63			1	S	USGS	S	A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status		The reported water-level measurement represents a static level
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

ATTACHMENT 2: PHOTOGRAPHIC LOG



PHOTOGRAPHIC LOG

Frontier Field Services, LLC.	Terlingua 6" Pipeline Eddy County, NM	NAPP2120764027
--------------------------------------	--	-----------------------

Photo No.	Date	
1	October 20, 2021	
View of the excavation during the recent site assessment and confirmation sampling activities.		

Photo No.	Date	
2	December 8, 2021	
View of the excavation following restoration activities.		

ATTACHMENT 3: LABORATORY ANALYTICAL REPORTS



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

Michael Gant
Lucid Energy
201 South 4th St.
Artesia, NM 88210
TEL:
FAX

RE: Terlingua 6 inch

OrderNo.: 2110B25

Dear Michael Gant:

Hall Environmental Analysis Laboratory received 4 sample(s) on 10/23/2021 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued November 01, 2021.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written in a cursive style.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order **2110B25**

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Lucid Energy

Client Sample ID: FS01 2-4'

Project: Terlingua 6 inch

Collection Date: 10/20/2021 11:30:00 AM

Lab ID: 2110B25-001

Matrix: SOIL

Received Date: 10/23/2021 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/28/2021 12:16:01 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/28/2021 12:16:01 PM
Surr: DNOP	92.3	70-130		%Rec	1	10/28/2021 12:16:01 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/29/2021 9:22:26 AM
Surr: BFB	103	70-130		%Rec	1	10/29/2021 9:22:26 AM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	10/29/2021 9:22:26 AM
Toluene	ND	0.049		mg/Kg	1	10/29/2021 9:22:26 AM
Ethylbenzene	ND	0.049		mg/Kg	1	10/29/2021 9:22:26 AM
Xylenes, Total	ND	0.098		mg/Kg	1	10/29/2021 9:22:26 AM
Surr: 4-Bromofluorobenzene	87.0	70-130		%Rec	1	10/29/2021 9:22:26 AM
EPA METHOD 300.0: ANIONS						Analyst: CAS
Chloride	ND	61		mg/Kg	20	10/29/2021 7:21:04 PM

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

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

Analytical Report

Lab Order **2110B25**

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Lucid Energy

Client Sample ID: FS02 4-5'

Project: Terlingua 6 inch

Collection Date: 10/20/2021 11:40:00 AM

Lab ID: 2110B25-002

Matrix: SOIL

Received Date: 10/23/2021 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: SB
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	10/28/2021 12:26:40 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/28/2021 12:26:40 PM
Surr: DNOP	88.8	70-130		%Rec	1	10/28/2021 12:26:40 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/29/2021 9:45:58 AM
Surr: BFB	103	70-130		%Rec	1	10/29/2021 9:45:58 AM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	10/29/2021 9:45:58 AM
Toluene	ND	0.047		mg/Kg	1	10/29/2021 9:45:58 AM
Ethylbenzene	ND	0.047		mg/Kg	1	10/29/2021 9:45:58 AM
Xylenes, Total	ND	0.094		mg/Kg	1	10/29/2021 9:45:58 AM
Surr: 4-Bromofluorobenzene	86.9	70-130		%Rec	1	10/29/2021 9:45:58 AM
EPA METHOD 300.0: ANIONS						Analyst: CAS
Chloride	ND	61		mg/Kg	20	10/29/2021 7:58:18 PM

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

Qualifiers:

* Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 PQL Practical Quantitative Limit
 S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 P Sample pH Not In Range
 RL Reporting Limit

Analytical Report

Lab Order **2110B25**

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Lucid Energy

Client Sample ID: SW01 0-5'

Project: Terlingua 6 inch

Collection Date: 10/20/2021 11:50:00 AM

Lab ID: 2110B25-003

Matrix: SOIL

Received Date: 10/23/2021 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	10/28/2021 12:37:20 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/28/2021 12:37:20 PM
Surr: DNOP	96.9	70-130		%Rec	1	10/28/2021 12:37:20 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/29/2021 10:09:25 AM
Surr: BFB	99.8	70-130		%Rec	1	10/29/2021 10:09:25 AM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	10/29/2021 10:09:25 AM
Toluene	ND	0.047		mg/Kg	1	10/29/2021 10:09:25 AM
Ethylbenzene	ND	0.047		mg/Kg	1	10/29/2021 10:09:25 AM
Xylenes, Total	ND	0.095		mg/Kg	1	10/29/2021 10:09:25 AM
Surr: 4-Bromofluorobenzene	84.5	70-130		%Rec	1	10/29/2021 10:09:25 AM
EPA METHOD 300.0: ANIONS						Analyst: CAS
Chloride	ND	60		mg/Kg	20	10/29/2021 8:10:44 PM

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

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

Analytical Report

Lab Order **2110B25**

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Lucid Energy

Client Sample ID: SW02 0-5'

Project: Terlingua 6 inch

Collection Date: 10/20/2021 12:00:00 PM

Lab ID: 2110B25-004

Matrix: SOIL

Received Date: 10/23/2021 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: SB
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	10/28/2021 12:48:01 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/28/2021 12:48:01 PM
Surr: DNOP	83.8	70-130		%Rec	1	10/28/2021 12:48:01 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/29/2021 10:32:53 AM
Surr: BFB	103	70-130		%Rec	1	10/29/2021 10:32:53 AM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	10/29/2021 10:32:53 AM
Toluene	ND	0.047		mg/Kg	1	10/29/2021 10:32:53 AM
Ethylbenzene	ND	0.047		mg/Kg	1	10/29/2021 10:32:53 AM
Xylenes, Total	ND	0.095		mg/Kg	1	10/29/2021 10:32:53 AM
Surr: 4-Bromofluorobenzene	88.3	70-130		%Rec	1	10/29/2021 10:32:53 AM
EPA METHOD 300.0: ANIONS						Analyst: CAS
Chloride	ND	60		mg/Kg	20	10/29/2021 8:23:08 PM

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

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2110B25

08-Dec-21

Client: Lucid Energy
Project: Terlingua 6 inch

Sample ID: MB-63658	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 63658	RunNo: 82473								
Prep Date: 10/29/2021	Analysis Date: 10/29/2021	SeqNo: 2926286	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-63658	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 63658	RunNo: 82473								
Prep Date: 10/29/2021	Analysis Date: 10/29/2021	SeqNo: 2926287	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.4	90	110			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2110B25

08-Dec-21

Client: Lucid Energy
Project: Terlingua 6 inch

Sample ID: LCS-63615	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 63615	RunNo: 82434								
Prep Date: 10/27/2021	Analysis Date: 10/28/2021	SeqNo: 2924946	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	100	68.9	135			
Surr: DNOP	4.7		5.000		94.0	70	130			

Sample ID: MB-63615	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 63615	RunNo: 82434								
Prep Date: 10/27/2021	Analysis Date: 10/28/2021	SeqNo: 2924948	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.5		10.00		95.4	70	130			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2110B25

08-Dec-21

Client: Lucid Energy
Project: Terlingua 6 inch

Sample ID: mb-63586	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 63586	RunNo: 82415								
Prep Date: 10/26/2021	Analysis Date: 10/29/2021	SeqNo: 2924585	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		102	70	130			

Sample ID: ics-63586	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 63586	RunNo: 82415								
Prep Date: 10/26/2021	Analysis Date: 10/28/2021	SeqNo: 2924586	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	106	78.6	131			
Surr: BFB	1100		1000		114	70	130			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2110B25

08-Dec-21

Client: Lucid Energy
Project: Terlingua 6 inch

Sample ID: mb-63586	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 63586	RunNo: 82415								
Prep Date: 10/26/2021	Analysis Date: 10/29/2021	SeqNo: 2924635	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.87		1.000		87.3	70	130			

Sample ID: LCS-63586	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 63586	RunNo: 82415								
Prep Date: 10/26/2021	Analysis Date: 10/28/2021	SeqNo: 2924636	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	90.8	80	120			
Toluene	0.92	0.050	1.000	0	91.9	80	120			
Ethylbenzene	0.91	0.050	1.000	0	90.8	80	120			
Xylenes, Total	2.7	0.10	3.000	0	89.7	80	120			
Surr: 4-Bromofluorobenzene	0.89		1.000		89.0	70	130			

Qualifiers:

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



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

Sample Log-In Check List

Client Name: Lucid Energy Delaware Work Order Number: 2110B25 RcptNo: 1

Received By: Sean Livingston 10/23/2021 9:15:00 AM
Completed By: Sean Livingston 10/23/2021 12:02:53 PM
Reviewed By: Sub 10/23/21

Handwritten signatures of Sean Livingston

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [] Not Present []
2. How was the sample delivered? Courier

Log In

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

of preserved bottles checked for pH: (<2 or >12 unless noted)
Adjusted?
Checked by: Sub 10/23/21

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [] No [] NA [checked]

Person Notified: Date:
By Whom: Via: [] eMail [] Phone [] Fax [] In Person
Regarding:
Client Instructions:

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Rows 1-3.

Chain-of-Custody Record

Client: Lucid Energy Group
 Michael Gant
 Mailing Address: 201 S 4th Artesia, NM 88210
 Phone #: 575-810-6144
 email or Fax#: mgant@lucid-energy.com

Turn-Around Time: 5 days
 Standard Rush
 Project Name: Terlingua 6"
 Project #: 31403665.003
 Project Manager: Ben Belill



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

QA/QC Package:
 Standard Level 4 (Full Validation)
 Accreditation: Az Compliance NELAC Other
 EDD (Type)

Sampler: Ben Belill
 On Ice: Yes No
 # of Coolers: 3
 Cooler Temp (including CP): See remarks

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
10/20/21	1130	S	F501			2110925	X	X					X			
	1140		F502				X	X					X			
	1150		SW01				X	X					X			
	1200		SW02				X	X					X			

Analysis Request

Received by: Ben Belill Date: 10/20/21 Time: 1030
 Relinquished by: Ben Belill
 Received by: See comment Date: 10/23/21 Time: 9:15
 Remarks: 0.6 to 20+ fwcm
 -1.4 to
 4.9 to
 See 10/23/21
 Direct bill to Lucid Energy
 AFE 300079
 Prop # 195143900
 Company # 850
 Send confirmation and lab report to jee.hernandez@wsp.com & ben.belill@wsp.com

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

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 66165

CONDITIONS

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 66165
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
csmith	None	12/17/2021