

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

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

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

Incident ID	nAPP2312345903
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Hilcorp Energy Company	OGRID 372171
Contact Name Mitch Killough	Contact Telephone 713-757-5247
Contact email mkillough@hilcorp.com	Incident # nAPP2312345903
Contact mailing address 1111 Travis Street, Houston, Texas 77002	

Location of Release Source

Latitude 36.953434 _____ Longitude -108.1033783 _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Culpepper Martin 103	Site Type Well
Date Release Discovered: 4/18/2023 @ 10:00 am (MT)	API# 30-045-27370

Unit Letter	Section	Township	Range	County
K	28	32N	12W	San Juan

Surface Owner: State Federal Tribal Private (Name: Montoya Cattle Company)

Nature and Volume of Release

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

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 0.20 bbl	Volume Recovered (bbls) 0 bbls
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 0.21 bbl	Volume Recovered (bbls) 0 bbls
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Natural Gas	Volume Released (Mcf) 85 mcf (reflects the NM pressure base conversion)	Volume Recovered (Mcf) 0 mcf
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

Hilcorp discovered a 0.41-bbl release of oil/produced water at the Culpepper Martin 103 in San Juan County, NM. A Hilcorp Lease Operator found the compressor at the Culpepper Martin 103 running with a zero flow rate and proceeded to walk Hilcorp's flowline ROW between the well site and meter run to determine if a leak had occurred. Upon discovery of the leak, the compressor was shut-in and a One Call was made. The spilled fluids remained within Hilcorp's ROW, but did impact a dry wash that bisects the ROW. The area of the dry wash impacted measured approximately 22 ft long x 4 ft wide.

A volume of 85 mcf natural gas was released from the flowline. This was determined by Hilcorp's SCADA software.

State of New Mexico
Oil Conservation Division

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Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? The spill amount was not \geq 25 bbls, but did impact a dry, ephemeral water feature within Hilcorp's flowline right-of-way.
---	--

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

Mitch Killough notified the NMOCD via 24-hour email notification on 04/19/2023 at 9:44 am MT.

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 not 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: Mitch Killough Title: Environmental Specialist

Signature:  Date: 05/3/2023

email: mkillough@hilcorp.com Telephone: 713-757-5247

OCD Only

Received by: _____ Date: _____

Incident ID	nAPP2312345903
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

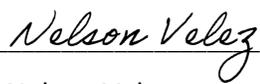
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public 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: Mitch Killough Title: Environmental Specialist
 Signature:  Date: 7/5/2023
 email: mkillough@hilcorp.com Telephone: 713-757-5247

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: 09/26/2023
 Printed Name: Nelson Velez Title: Environmental Specialist - Adv



July 5, 2023

New Mexico Oil Conservation Division

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

Re: Remediation Report and Closure Request

Culpepper Martin 103
San Juan County, New Mexico
Hilcorp Energy Company
NMOCD Incident Number: nAPP2312345903

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Hilcorp Energy Company (Hilcorp), presents this *Remediation Report and Closure Request* for a release from a flowline located between the Culpepper Martin 103 (Site) and Culpepper Martin 7B natural gas production wells. The Site is located on private land in Unit K, Section 28, Township 32 North, Range 12 West, in San Juan County, New Mexico (Figure 1). The work described in this report was performed in order to remediate crude oil and produced water impacted soil originating from a release at the Site. Based on the remediation activities performed and laboratory analytical results, Hilcorp is requesting closure and no further action for Incident Number nAPP2312345903.

SITE BACKGROUND

On April 18, 2023, Hilcorp personnel discovered the compressor for the Culpepper Martin 103 well had zero flow rate and proceeded to walk the flowline right-of-way between the compressor and the meter run. A leak was discovered originating from the flowline at a location between the Culpepper Martin 103 and the Culpepper Martin 7B well pads; as such, the compressor was immediately shut in. The released fluids remained within Hilcorp's right-of-way corridor; however, fluids did migrate into an unnamed dry wash that bisects the flowline at this location. Based on initial observations, the footprint of the release measured approximately 22 feet long by 4 feet wide. Upon discovery of the release, Hilcorp notified the New Mexico Oil Conservation Division (NMOCD) on April 19, 2023 and submitted an initial *Form C-141 Release Notification* on May 3, 2023. NMOCD assigned the release incident number nAPP2312345903.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

As part of the Site investigation, local geology/hydrogeology and 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).

The Site is located within the Nacimiento Geologic Formation. In the report titled "*Hydrogeology and Water Resources of San Juan Basin, New Mexico*" (Stone, et. al., 1983), the Nacimiento Formation is characterized by interbedded black carbonaceous mudstones and white, coarse-grained sandstones, which ranges in thickness from 418 feet to 2,232 feet. The hydrologic

properties of the Nacimiento Formation display variable hydrologic properties dependent on location. Where sufficient yield is present, the primary use of water from this formation is for domestic and/or livestock supply. The Nacimiento Formation is underlain by the Ojo Alamo sandstone (Stone et. al., 1983).

The nearest significant watercourse is an unnamed dry wash located at the Site and is a first-order tributary of Hartley Wash, located south of the Site. The Site is greater than 200 feet from any lakebed, sinkhole, or playa lake, and greater than 300 feet from any wetland (Figure 1). The nearest fresh-water well is New Mexico Office of the State Engineer (NMOSE) permitted well SJ-02163 (Appendix A), located approximately 8,910 feet north of the Site. The recorded depth to water on the NMOSE database is 15 feet below ground surface (bgs). No wellhead protection areas, springs, or domestic/stock wells are located within a ½-mile from the Site. The Site is not within a 100-year floodplain, overlying a subsurface mine, or located within an area underlain by unstable geology (area designated as low potential karst by the Bureau of Land Management (BLM)). Schools, hospitals, institutions, churches, and/or other occupied permanent residence or structures are not located within 300 feet of the Site.

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 of the NMAC), the following Table I Closure Criteria is applied to the Site based on the proximity to a significant watercourse:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH) as a combination of gasoline range organics (GRO), diesel range organics (DRO), and motor oil range organics (MRO): 100 mg/kg
- Chloride: 600 mg/kg

EXCAVATION SOIL SAMPLING ACTIVITIES

In response to the release, Hilcorp performed excavation activities in May 2022 to remove soil impacted by the released fluids. To direct excavation activities, Ensolum personnel field screened soil for volatile organic compounds (VOCs) using a calibrated photoionization detector (PID). Following removal of impacted soil, Ensolum notified the NMOCD on May 12, 2023 (Appendix B) and performed confirmation soil sampling on May 16, 2023. Five-point composite soil samples were collected from the sidewalls and floor of the excavation at a frequency of one sample per 200 square feet. 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.

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 at or below 6 degrees Celsius (°C) under strict chain-of-custody (COC) procedures to Hall Environmental Analysis Laboratory (Hall) in Albuquerque, New Mexico. All soil samples were submitted for analyses of BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH following EPA Method 8015M/D; and chloride following EPA Method 300.0.

Based on the area of the floor and sidewalls, two sidewall samples (SW-01 and SW-02) and one floor sample (FS-01) were collected. Because the release occurred in a wash at an elevation below surrounding ground surface, sidewall SW-02 represents a depth of approximately 9 feet below surround surface elevation. Sidewall SW-01 measured approximately 5 feet deep and floor sample FS01 was collected at a depth of approximately 5 feet below surrounding ground surface.



Sample locations are shown on Figure 2. In total, approximately 30 cubic yards of soil were removed from the excavation and transported for disposal at the Envirotech Landfarm in San Juan County, New Mexico.

Based on the analytical results, all confirmation samples were in compliance with NMOCD Table I Closure Criteria. Analytical results are summarized in Table 1, with complete laboratory reports attached as Appendix C. Photographs taken by Hilcorp and Ensolum during the excavation work are included in Appendix D.

CLOSURE REQUEST

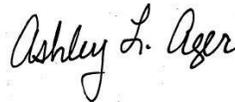
Site assessment and excavation activities were conducted at the Site to address the release of produced water and crude oil that was discovered on April 18, 2023. Laboratory analytical results for the excavation soil samples, collected from the final excavation extent, indicate concentrations are compliant with the Site Closure Criteria and no further remediation is required. With NMOCD approval, Hilcorp will backfill the excavation with clean material and recontour the Site to match pre-existing conditions. Excavation of impacted soil has mitigated impacts at this Site and these remedial actions are protective of human health, the environment, and groundwater. As such, Hilcorp respectfully requests closure for Incident Number nAPP2312345903.

Sincerely,

ENSOLUM, LLC



Stuart Hyde, LG
Senior Geologist
(970) 903-1607
shyde@ensolum.com



Ashley Ager, MS, PG
Principal, Geologist
(970) 946-1093
aager@ensolum.com

Attachments:

- Figure 1: Site Location Map
- Figure 2: Soil Sample Locations

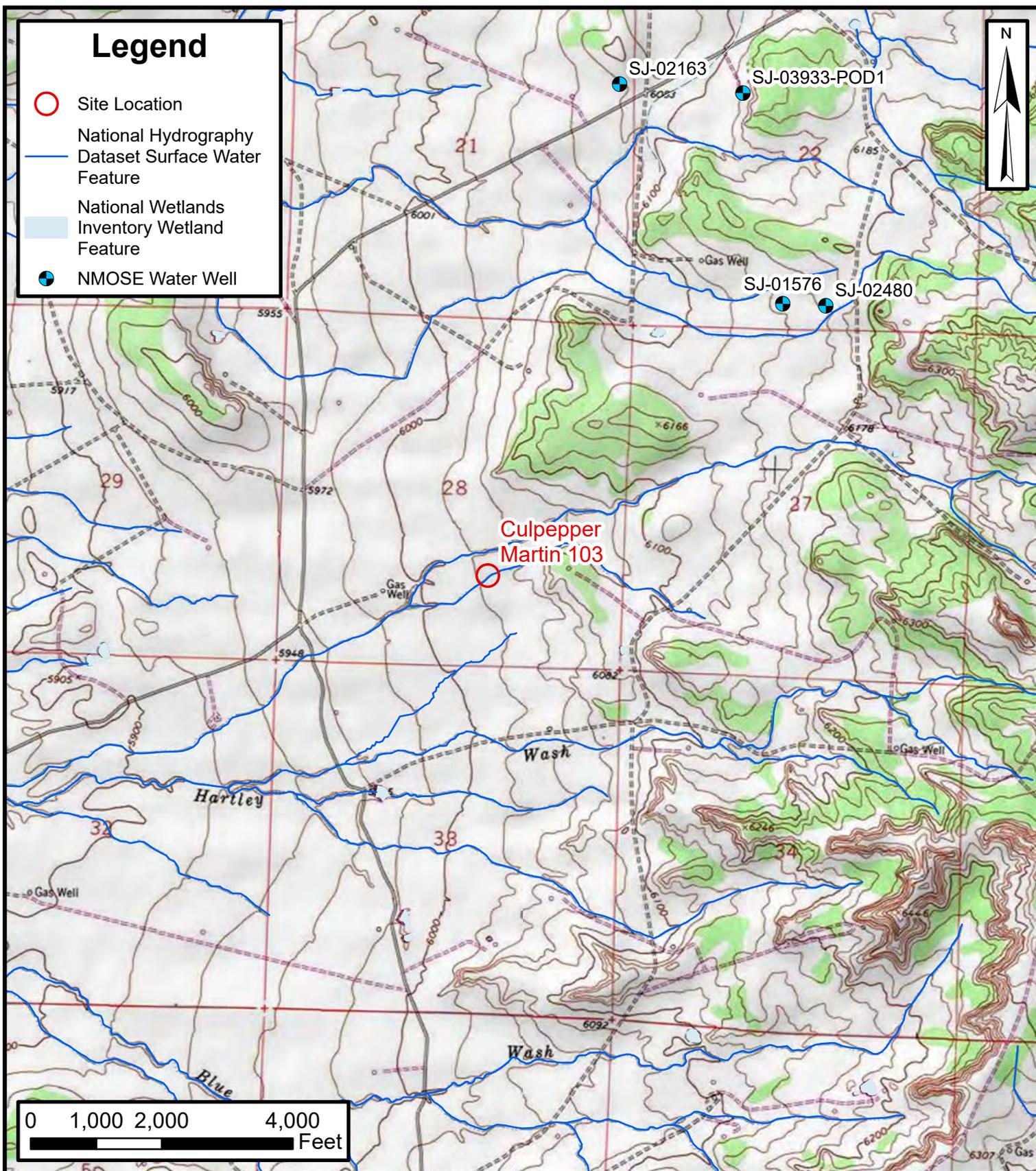
- Table 1: Excavation Soil Sample Analytical Results

- Appendix A: NMOSE Well Record
- Appendix B: NMOCD Correspondence
- Appendix C: Laboratory Analytical Reports
- Appendix D: Photographic Log



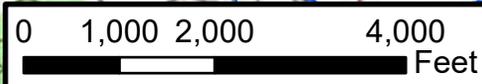


FIGURES



Legend

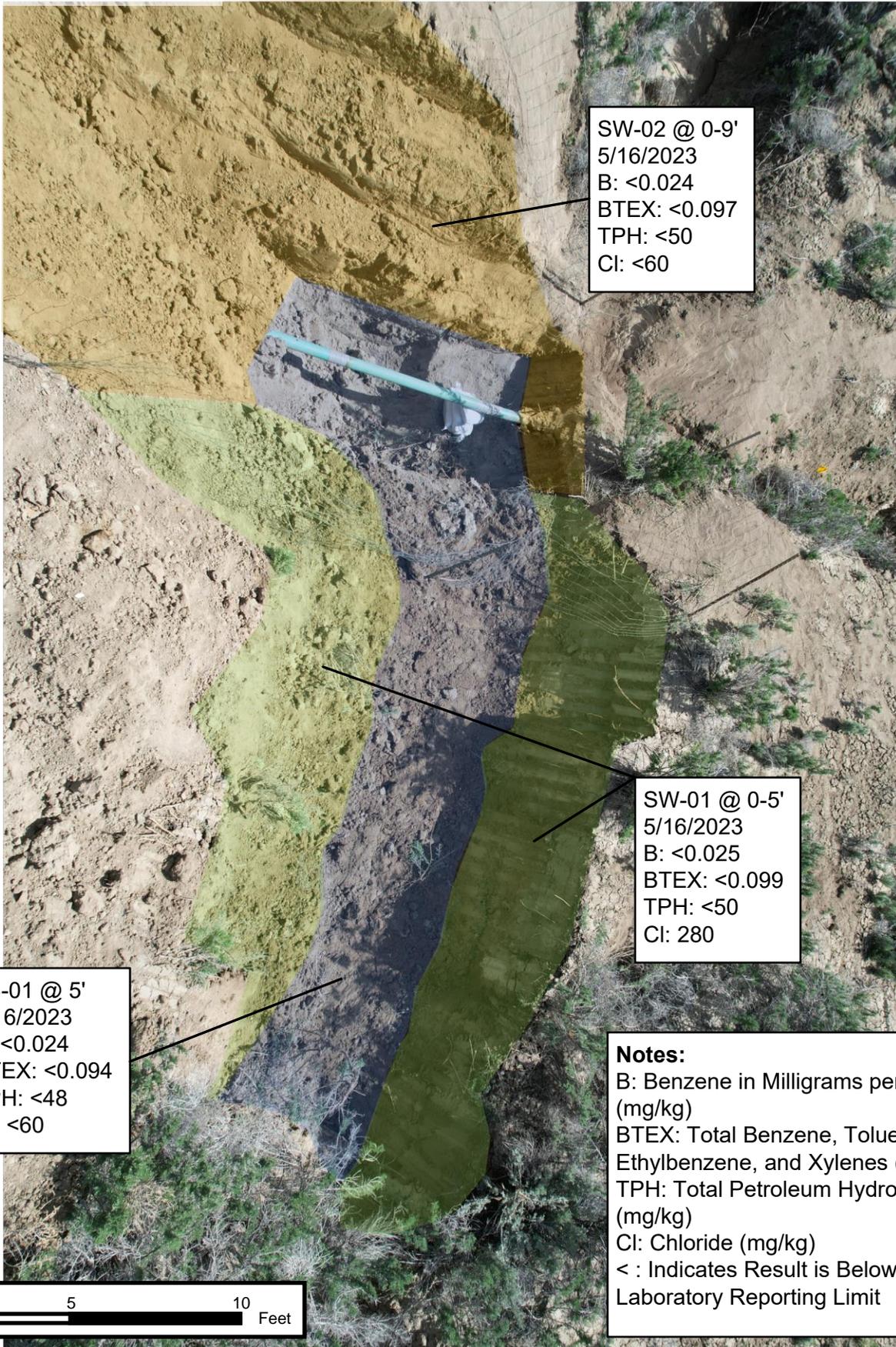
- Site Location
- National Hydrography Dataset Surface Water Feature
- National Wetlands Inventory Wetland Feature
- NMOSE Water Well



Site Location Map

Culpepper Martin 103
 Hilcorp Energy Company
 36.95349, -108.09881
 San Juan County, New Mexico

FIGURE
1

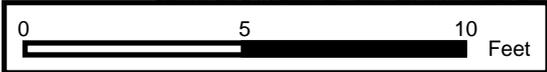


SW-02 @ 0-9'
 5/16/2023
 B: <0.024
 BTEX: <0.097
 TPH: <50
 Cl: <60

SW-01 @ 0-5'
 5/16/2023
 B: <0.025
 BTEX: <0.099
 TPH: <50
 Cl: 280

FS-01 @ 5'
 5/16/2023
 B: <0.024
 BTEX: <0.094
 TPH: <48
 Cl: <60

Notes:
 B: Benzene in Milligrams per Kilogram (mg/kg)
 BTEX: Total Benzene, Toluene, Ethylbenzene, and Xylenes (mg/kg)
 TPH: Total Petroleum Hydrocarbons (mg/kg)
 Cl: Chloride (mg/kg)
 < : Indicates Result is Below Laboratory Reporting Limit



Soil Sample Locations

Culpepper Martin 103
 Hilcorp Energy Company
 36.95349, -108.09881
 San Juan County, New Mexico

FIGURE
2



TABLES



TABLE 1
EXCAVATION SOIL SAMPLE ANALYTICAL RESULTS
 Culpepper Martin 103
 Hilcorp Energy Company
 San Juan County, New Mexico

Sample Designation	Date	Depth (feet)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCDC Closure Criteria for Soils Impacted by a Release (Groundwater <50 feet)			10	NE	NE	NE	50	NE	NE	NE	100	600
FS01	5/16/2023	5	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	<9.6	<48	<48	<60
SW-01	5/16/2023	0-5	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<10	<50	<50	280
SW-02	5/16/2023	0-9	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<9.9	<50	<50	<60

Notes:

bgs: below ground surface

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

mg/kg: milligrams per kilogram

NE: Not Established

NMOCDC: New Mexico Oil Conservation Division

': feet

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

MRO: Motor Oil/Lube Oil Range Organics

TPH: Total Petroleum Hydrocarbon

< : indicates result less than the stated laboratory reporting limit (RL)



APPENDIX A

NMOSE Well Record

STATE ENGINEER OFFICE
WELL RECORD

Section 1. GENERAL INFORMATION

(A) Owner of well JOHN W. GRUBB Owner's Well No. _____
Street or Post Office Address 8325 OLD AZTEC HWY.
City and State FLORA VISTA N.M. 87415

Well was drilled under Permit No. SJ-2163 and is located in the:

- a. $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE of Section 21 Township 30 Range 12 N.M.P.M.
- b. Tract No. _____ of Map No. _____ of the _____
- c. Lot No. _____ of Block No. _____ of the _____
Subdivision, recorded in _____ County.
- d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in
the _____ Grant.

(B) Drilling Contractor TEARY HOOD License No. WQ-717

Address FLORA VISTA, N.M.

Drilling Began 2-29-88 Completed 2-29-88 Type tools _____ Size of hole 7 in.

Elevation of land surface or _____ at well is _____ ft. Total depth of well 31 ft.

Completed well is shallow artesian. Depth to water upon completion of well 15 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
From	To			
20	31	11	WATER BEARING SAND & GRAVEL	20

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet		Length (feet)	Type of Shoe	Perforations	
			Top	Bottom			From	To
7	17		0	31	31		25	31

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet		Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement
From	To				

STATE ENGINEER OFFICE
DISTRICT
ALBUQUERQUE, N. MEX.
88 MAR 93 P 1: 57

Section 5. PLUGGING RECORD

Plugging Contractor _____
Address _____
Plugging Method _____
Date Well Plugged _____
Plugging approved by: _____

No.	Depth in Feet		Cubic Feet of Cement
	Top	Bottom	
1			
2			
3			
4			

State Engineer Representative

Date Received March 3, 1988 FOR USE OF STATE ENGINEER ONLY

Quad _____ FWL _____ FSL _____

File No. SJ-2163 Use None Location No. 30N. 12W. 21. 333



APPENDIX B

NMOCD Correspondence

Mitch Killough

From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Friday, May 12, 2023 5:10 PM
To: Mitch Killough
Cc: Bratcher, Michael, EMNRD; Velez, Nelson, EMNRD
Subject: RE: [EXTERNAL] 48-Hour Confirmation Sampling Notification - Culpepper Martin 103 - nAPP2312345903

CAUTION: External sender. DO NOT open links or attachments from UNKNOWN senders.

Mitch,
Please be aware that notification requirements are two business days, per rule. You may proceed on your schedule. This, and all correspondence, should be included in the closure report to insure inclusion in the project file.

JH

Jocelyn Harimon • Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov
<http://www.emnrd.nm.gov>



From: Mitch Killough <mkillough@hilcorp.com>
Sent: Friday, May 12, 2023 3:19 PM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Cc: Christopher Bramwell <cbramwell@hilcorp.com>; Brandon Sinclair <Brandon.Sinclair@hilcorp.com>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>; Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Subject: [EXTERNAL] 48-Hour Confirmation Sampling Notification - Culpepper Martin 103 - nAPP2312345903

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

Afternoon Nelson.

Hilcorp Energy Company (Hilcorp) is submitting this confirmation sampling notification for the Culpepper Martin 103 located at coordinates 36.953434, -108.1033783. Confirmation soil samples will be collected on Tuesday, May 16 at 9 am (MT).

I realize that this is technically inside the 48-hour business day window for notifications, but with the forecasted rain starting Wednesday of next week, we wanted to take advantage of the weather window. Please let us know if this is acceptable.

Thanks and have a nice weekend.

Mitch Killough
Environmental Specialist
Hilcorp Energy Company
1111 Travis Street
Houston, TX 77002
713-757-5247 (office)
281-851-2338 (cell)
mkillough@hilcorp.com

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While all reasonable care has been taken to avoid the transmission of viruses, it is the responsibility of the recipient to ensure that the onward transmission, opening, or use of this message and any attachments will not adversely affect its systems or data. No responsibility is accepted by the company in this regard and the recipient should carry out such virus and other checks as it considers appropriate.



APPENDIX C

Laboratory Analytical Reports



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

May 26, 2023

Mitch Killough
HILCORP ENERGY
PO Box 4700
Farmington, NM 87499
TEL: (505) 564-0733
FAX

RE: Culpepper Martin 103

OrderNo.: 2305874

Dear Mitch Killough:

Hall Environmental Analysis Laboratory received 3 sample(s) on 5/17/2023 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a white background.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order **2305874**

Date Reported: **5/26/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HILCORP ENERGY

Client Sample ID: FS01

Project: Culpepper Martin 103

Collection Date: 5/16/2023 12:34:00 PM

Lab ID: 2305874-001

Matrix: SOIL

Received Date: 5/17/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	5/23/2023 12:48:44 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/23/2023 12:48:44 PM
Surr: DNOP	94.9	69-147		%Rec	1	5/23/2023 12:48:44 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	5/24/2023 1:10:55 AM
Surr: BFB	77.9	15-244		%Rec	1	5/24/2023 1:10:55 AM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	5/24/2023 1:10:55 AM
Toluene	ND	0.047		mg/Kg	1	5/24/2023 1:10:55 AM
Ethylbenzene	ND	0.047		mg/Kg	1	5/24/2023 1:10:55 AM
Xylenes, Total	ND	0.094		mg/Kg	1	5/24/2023 1:10:55 AM
Surr: 4-Bromofluorobenzene	94.3	39.1-146		%Rec	1	5/24/2023 1:10:55 AM
EPA METHOD 300.0: ANIONS						Analyst: SNS
Chloride	ND	60		mg/Kg	20	5/23/2023 2:47:27 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 Above Quantitation Range/Estimated Value
	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 standard limits. If undiluted results may be estimated.	

Analytical Report

Lab Order **2305874**

Date Reported: **5/26/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HILCORP ENERGY

Client Sample ID: SW-01

Project: Culpepper Martin 103

Collection Date: 5/16/2023 12:37:00 PM

Lab ID: 2305874-002

Matrix: SOIL

Received Date: 5/17/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	5/23/2023 2:25:36 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	5/23/2023 2:25:36 PM
Surr: DNOP	93.1	69-147		%Rec	1	5/23/2023 2:25:36 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/24/2023 2:21:15 AM
Surr: BFB	85.6	15-244		%Rec	1	5/24/2023 2:21:15 AM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	5/24/2023 2:21:15 AM
Toluene	ND	0.049		mg/Kg	1	5/24/2023 2:21:15 AM
Ethylbenzene	ND	0.049		mg/Kg	1	5/24/2023 2:21:15 AM
Xylenes, Total	ND	0.099		mg/Kg	1	5/24/2023 2:21:15 AM
Surr: 4-Bromofluorobenzene	96.9	39.1-146		%Rec	1	5/24/2023 2:21:15 AM
EPA METHOD 300.0: ANIONS						Analyst: SNS
Chloride	280	60		mg/Kg	20	5/23/2023 2:59:48 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 Above Quantitation Range/Estimated Value
	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 standard limits. If undiluted results may be estimated.	

Analytical Report

Lab Order **2305874**

Date Reported: **5/26/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HILCORP ENERGY

Client Sample ID: SW-02

Project: Culpepper Martin 103

Collection Date: 5/16/2023 12:40:00 PM

Lab ID: 2305874-003

Matrix: SOIL

Received Date: 5/17/2023 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	5/23/2023 2:36:20 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	5/23/2023 2:36:20 PM
Surr: DNOP	97.8	69-147		%Rec	1	5/23/2023 2:36:20 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/24/2023 3:31:30 AM
Surr: BFB	81.0	15-244		%Rec	1	5/24/2023 3:31:30 AM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	5/24/2023 3:31:30 AM
Toluene	ND	0.049		mg/Kg	1	5/24/2023 3:31:30 AM
Ethylbenzene	ND	0.049		mg/Kg	1	5/24/2023 3:31:30 AM
Xylenes, Total	ND	0.097		mg/Kg	1	5/24/2023 3:31:30 AM
Surr: 4-Bromofluorobenzene	95.6	39.1-146		%Rec	1	5/24/2023 3:31:30 AM
EPA METHOD 300.0: ANIONS						Analyst: SNS
Chloride	ND	60		mg/Kg	20	5/23/2023 3:12:10 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 Above Quantitation Range/Estimated Value
	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 standard limits. If undiluted results may be estimated.	

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2305874

26-May-23

Client: HILCORP ENERGY

Project: Culpepper Martin 103

Sample ID: MB-75123	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 75123	RunNo: 96982								
Prep Date: 5/23/2023	Analysis Date: 5/23/2023	SeqNo: 3518858	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-75123	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 75123	RunNo: 96982								
Prep Date: 5/23/2023	Analysis Date: 5/23/2023	SeqNo: 3518859	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.0	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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2305874

26-May-23

Client: HILCORP ENERGY

Project: Culpepper Martin 103

Sample ID: LCS-75114	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 75114	RunNo: 96945								
Prep Date: 5/23/2023	Analysis Date: 5/23/2023	SeqNo: 3517310	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	96.9	61.9	130			
Surr: DNOP	4.9		5.000		98.3	69	147			

Sample ID: MB-75114	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 75114	RunNo: 96945								
Prep Date: 5/23/2023	Analysis Date: 5/23/2023	SeqNo: 3517311	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	12		10.00		122	69	147			

Sample ID: 2305874-003AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: SW-02	Batch ID: 75114	RunNo: 96945								
Prep Date: 5/23/2023	Analysis Date: 5/24/2023	SeqNo: 3518178	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	9.6	47.80	0	89.8	54.2	135			
Surr: DNOP	4.4		4.780		92.2	69	147			

Sample ID: 2305874-003AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: SW-02	Batch ID: 75114	RunNo: 96945								
Prep Date: 5/23/2023	Analysis Date: 5/24/2023	SeqNo: 3518179	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	41	8.7	43.71	0	93.0	54.2	135	5.45	29.2	
Surr: DNOP	4.0		4.371		91.7	69	147	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2305874

26-May-23

Client: HILCORP ENERGY

Project: Culpepper Martin 103

Sample ID: ics-75096	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 75096	RunNo: 96952								
Prep Date: 5/22/2023	Analysis Date: 5/24/2023	SeqNo: 3518258	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	90.1	70	130			
Surr: BFB	5000		1000		504	15	244			S

Sample ID: mb-75096	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 75096	RunNo: 96952								
Prep Date: 5/22/2023	Analysis Date: 5/24/2023	SeqNo: 3518259	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	870		1000		87.3	15	244			

Sample ID: 2305874-001ams	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: FS01	Batch ID: 75096	RunNo: 96952								
Prep Date: 5/22/2023	Analysis Date: 5/24/2023	SeqNo: 3518261	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	4.7	23.34	0	94.2	70	130			
Surr: BFB	4800		933.7		512	15	244			S

Sample ID: 2305874-001amsd	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: FS01	Batch ID: 75096	RunNo: 96952								
Prep Date: 5/22/2023	Analysis Date: 5/24/2023	SeqNo: 3518262	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	4.6	23.21	0	93.2	70	130	1.67	20	
Surr: BFB	4700		928.5		509	15	244	0	0	S

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2305874

26-May-23

Client: HILCORP ENERGY

Project: Culpepper Martin 103

Sample ID: LCS-75096	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 75096	RunNo: 96952								
Prep Date: 5/22/2023	Analysis Date: 5/24/2023	SeqNo: 3518273	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.84	0.025	1.000	0	84.5	70	130			
Toluene	0.86	0.050	1.000	0	86.1	70	130			
Ethylbenzene	0.87	0.050	1.000	0	87.2	70	130			
Xylenes, Total	2.6	0.10	3.000	0	87.2	70	130			
Surr: 4-Bromofluorobenzene	0.98		1.000		97.8	39.1	146			

Sample ID: mb-75096	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 75096	RunNo: 96952								
Prep Date: 5/22/2023	Analysis Date: 5/24/2023	SeqNo: 3518274	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	0.97		1.000		97.1	39.1	146			

Sample ID: 2305874-002ams	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: SW-01	Batch ID: 75096	RunNo: 96952								
Prep Date: 5/22/2023	Analysis Date: 5/24/2023	SeqNo: 3518277	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	0.9872	0	96.0	70	130			
Toluene	0.98	0.049	0.9872	0	99.3	70	130			
Ethylbenzene	1.0	0.049	0.9872	0	101	70	130			
Xylenes, Total	3.0	0.099	2.962	0	100	70	130			
Surr: 4-Bromofluorobenzene	0.95		0.9872		96.6	39.1	146			

Sample ID: 2305874-002amsd	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: SW-01	Batch ID: 75096	RunNo: 96952								
Prep Date: 5/22/2023	Analysis Date: 5/24/2023	SeqNo: 3518278	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.025	0.9843	0	89.5	70	130	7.26	20	
Toluene	0.91	0.049	0.9843	0	92.5	70	130	7.38	20	
Ethylbenzene	0.93	0.049	0.9843	0	94.6	70	130	7.04	20	
Xylenes, Total	2.8	0.098	2.953	0	94.1	70	130	6.78	20	
Surr: 4-Bromofluorobenzene	0.96		0.9843		97.4	39.1	146	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2305874

26-May-23

Client: HILCORP ENERGY

Project: Culpepper Martin 103

Sample ID: 100ng btex lcs	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: BS96952	RunNo: 96952								
Prep Date:	Analysis Date: 5/23/2023	SeqNo: 3518287	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.99		1.000		98.6	39.1	146			

Sample ID: mb	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: BS96952	RunNo: 96952								
Prep Date:	Analysis Date: 5/23/2023	SeqNo: 3518288	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.94		1.000		94.3	39.1	146			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- 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: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Hilcorp Energy

Work Order Number: 2305874

RcptNo: 1

Received By: Juan Rojas

5/17/2023 7:10:00 AM

[Signature]

Completed By: Tracy Casarrubias

5/17/2023 7:48:24 AM

Reviewed By: [Signature] 5/17/23

Chain of Custody

1. Is Chain of Custody complete? Yes [] No [x] Not Present []

2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes [x] No [] NA []

4. Were all samples received at a temperature of >0° C to 6.0°C Yes [x] No [] NA []

5. Sample(s) in proper container(s)? Yes [x] No []

6. Sufficient sample volume for indicated test(s)? Yes [x] No []

7. Are samples (except VOA and ONG) properly preserved? Yes [x] No []

8. Was preservative added to bottles? Yes [] No [x] NA []

9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [] No [] NA [x]

10. Were any sample containers received broken? Yes [] No [x]

11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes [x] No []

12. Are matrices correctly identified on Chain of Custody? Yes [x] No []

13. Is it clear what analyses were requested? Yes [x] No []

14. Were all holding times able to be met? (If no, notify customer for authorization.) Yes [x] No []

of preserved bottles checked for pH: (<2 or >12 unless noted) Adjusted? Checked by: [Signature] 5/17/23

Special Handling (if applicable)

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

Person Notified: [] Date: []
By Whom: [] Via: [] eMail [] Phone [] Fax [] In Person []
Regarding: []
Client Instructions: Mailing address, Phone number aand Email are missing on COC- TMC 5/17/23

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 1.7, Good, Yes, Morty, [], []

Chain-of-Custody Record

Client: Hilcorp

Attn: Mitch Killough

Mailing Address:

Phone #:

email or Fax#:

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

Accreditation: Az Compliance
 NELAC Other _____

EDD (Type)

Turn-Around Time:
 5-day Standard Rush

Project Name:
Culpepper Martin 103

Project #:

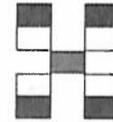
Project Manager: Stuart Hyde
shyde@ensolum.com

Sampler: Reece Hanson

On Ice: Yes No

of Coolers: 1

Cooler Temp (including CF): 1.70 > 1.7 (°C)



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	(BTEX)	MIBE / 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)
5/16/23	1234	Soil	PS01	1,402	Cool	001	X	X						X			
	1237		SW01			002	X	X						X			
	1240		SW02			003	X	X						X			

Date: 5/16/23 Time: 1443 Relinquished by: [Signature]

Date: 5/16/23 Time: 1811 Relinquished by: [Signature]

Received by: [Signature] Via: _____ Date: 5/16/23 Time: 1443

Received by: [Signature] Via: _____ Date: 5/17/23 Time: 7:10

Remarks: cc: r.hanson@ensolum.com



APPENDIX D

Photographic Log



Photographic Log
Hilcorp Energy Company
Culpepper Martin 103
San Juan County, New Mexico



Photograph: 1 Date: 5/4/2023
Description: Excavation around pipeline and wash
View: Southwest

Photograph: 2 Date: 5/16/2023
Description: Sample locations
View: Drone photograph from above



Photograph: 3 Date: 5/16/2023
Description: Excavation around pipeline
View: East

Photograph: 4 Date: 5/16/2023
Description: Pipeline and north wall
View: North

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 236029

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 236029
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	9/26/2023