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	NAPP2225752449
District RP	
Facility ID	
Application ID	

I Release Notification

Responsible Party

Responsible Party: Hilcorp Energy		OGRID 372171					
Contact Name: Kate Kaufman			Contact T	Contact Telephone: 346-237-2275			
Contact email: kkaufman@hilcorp.com			Incident # (assigned by OCD) nAPP2225752449				
Contact mailing address: 1111 Travis St. Houston, TX 77471							
			Locati	ion of R	elease S	nurce	
			Locati	on or ic	cicuse s	ource	
Latitude 36	5.439591		(NAD 83	in decimal deg		-107.975285_ mal places)	
GL M			(
	: Canyon 1 S				• • •		sposal Facility
Date Relea	se Discovere	ed: 9/1/2022			API# (if app	plicable) 30-045	i-34454
Unit Letter	Section	Township	Range		County	/	7
N	35	026N	011W	San Jua	an		1
	Mate	rial(s) Released (Selec	Nature a				the volumes provided below)
Crude		Volume Relea			•		ecovered (bbls)
Noduc Produc	ed Water	Volume Relea	ased (bbls) 200			Volume Re	ecovered (bbls) 200
	Is the concentration of dissolved chloride in produced water >10,000 mg/l?			in the	⊠ Yes □	No	
Conde	Condensate Volume Released (bbls)				Volume Re	ecovered (bbls) 0	
☐ Natural	Natural Gas Volume Released (Mcf)				Volume Re	ecovered (Mcf)	
Other (describe) Volume/Weight Released (provide units)				Volume/W	eight Recovered (provide units)		
Unknown hydrocarbon							
Cause of R	Release						
containme	nt and recove		ely 4 gallons was	s released to	the ground	d outside cont	00 bbls was released to secondary ainment. This soil was removed and

Received by OCD: 11/14/2022 2:57:53 PM Form C-141 State of New Mexico Page 2 Oil Conservation Division

Page 2 of 30 NAPP2225752449

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Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the responsible party consider this a major release? Release volume greater than 25 bbls.
N	
⊠ Yes □ No	
	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Kate Kaufman to Nelson Velez (NMOCD) and Emmanuel Adeloye (BLM) via email on September 2, 2022.
	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 rele	ease has been stopped.
The impacted area ha	s been secured to protect human health and the environment.
Released materials ha	ave been contained via the use of berms or dikes, absorbent pads, or other containment devices.
All free liquids and re	ecoverable materials have been removed and managed appropriately.
If all the actions describe	d above have <u>not</u> been undertaken, explain why:
	IAC the responsible party may commence remediation immediately after discovery of a release. If remediation
	a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred at area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
	rmation 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
	ment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have at and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In
addition, OCD acceptance o	f a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws
and/or regulations.	
	nufman Title:Environmental Specialist
Signature: Kathan	Date:9/14/2022
email:kkaufman@hilc	orp.com Telephone:346-237-2275
OCD Only	
Received by:	elyn Harimon Date: 11/14/2022

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Incident ID	NAPP2225752449	
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?	>100 (ft bgs)			
Did this release impact groundwater or surface water?				
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ⊠ 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)?	☐ Yes ⊠ No			
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ⊠ 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?	☐ Yes ⊠ No			
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ⊠ No			
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ⊠ No			
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ⊠ No			
Are the lateral extents of the release overlying a subsurface mine?				
Are the lateral extents of the release overlying an unstable area such as karst geology?				
Are the lateral extents of the release within a 100-year floodplain?				
Did the release impact areas not on an exploration, development, production, or storage site?				
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.				
Characterization Report Checklist: Each of the following items must be included in the report.				
 Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells. Field data Data table of soil contaminant concentration data Depth to water determination Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release Boring or excavation logs Photographs including date and GIS information Topographic/Aerial maps Laboratory data including chain of custody 				

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

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NAPP2225752449

Incident ID	NAPP2225752449
District RP	11/11/1/2/2010/2449
Facility ID	
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I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.				
Printed Name:Kathryn H Kaufman	Title:Environmental Specialist			
Printed Name:Kathryn H Kaufman Title:Environmental Specialist Signature: Date:11-14-2022				
email:kkaufman@hilcorp.com				
OCD Only				
Received by:	Date:11/14/2022			

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Incident ID	NAPP2225752449
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Remediation Plan

Remediation Plan Checklist: Each of the following items must be included in the plan.			
□ Detailed description of proposed remediation technique □ Scaled sitemap with GPS coordinates showing delineation points □ Estimated volume of material to be remediated □ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC □ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)			
Deferral Requests Only: Each of the following items must be con	ofirmed as part of any request for deferral of remediation.		
Contamination must be in areas immediately under or around predeconstruction.	roduction equipment where remediation could cause a major facility		
Extents of contamination must be fully delineated.			
Contamination does not cause an imminent risk to human health	n, the environment, or groundwater.		
	e and remediate contamination that pose a threat to groundwater, acceptance of a C-141 report does not relieve the operator of		
Printed Name:Clara Cardoza	Title:Environmental Specialist		
Signature:	Date:		
email:ccardoza@hilcorp.com	Telephone:505.564.0733		
OCD Only			
Received by: Jocelyn Harimon	Date:11/14/2022		
☐ Approved ☐ Approved with Attached Conditions of	Approval		
Signature:	Date:		

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Incident ID	NAPP2225752449
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.				
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: appropr	riate ODC District office m	ust be notified 2 days prior to final sampling)	
☐ Description of remed	liation 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: _Kathryn H. Kaufman Title: _Environmental Specialist				
ешан. ккаштап@ппсогр	.com		46-237-2275	
OCD Only				
Received by:	n Harimon	Date:	1/14/2022	
remediate contamination the party of compliance with a	nat poses a threat to groundwater any other federal, state, or local l	, surface water, human healt laws and/or regulations.	their operations have failed to adequately investigate and h, or the environment nor does not relieve the responsible	
Closure Approved by:	Nelson Velez	Date: _	12/08/2022	
Printed Name:	Nelson Velez Nelson Velez	Title: _	Environmental Specialist – Adv	

Executive Summary – Incident #nAPP2225752449

On September 1, 2022, approximately 200 bbls of produced water was released from a water storage tank at the Canyon 1 SWD Facility. The release was via a hole near the bottom of the water storage tank, likely due to corrosion. The release was discovered at 12:00 PM MST on Thursday, September 1 and was reported to NMOCD and BLM at 8:10 AM MST on Friday, September 2, 2022.

The tank is fully insulated with a capacity of 500 bbls. Approximately 200 bbls was released to the containment area comprised of a steel berm and concrete pad. Approximately 4 gallons impacted gravel outside the berm, via a bolt hole missing a bolt in the steel sidewall. The tank was isolated, and the remaining fluids removed. A vac truck was used to recover fluid from the containment area, and the impacted soil was removed and disposed of offsite.

One 5-point composite sample was collected on October 4, 2022. Analytical results from this sampling event were below NMOCD action criteria noted in NMAC 19.15.29 Table 1. Sample results are included.

Released to Imaging: 12/8/2022 2:48:17 PM

Scaled Site Map

Lat: 36.439591 Long: -107.975285 Canyon 1 SWD API: 30-045-34454

Release Area



N









Data table of soil contaminant concentrations

				Canyon 1 SWD Laboratory Results									
		Field VOCs		TPH as	TPH as	TPH as	Total TPH	TPH as GRO +	Panana	Taluana	Ethylhanana	Total	Total BTEX
Sample Name	Sample Date	by PID (ppm)	Chloride (mg/kg)	(mg/kg)	(mg/kg)	MRO (mg/kg)	(mg/kg)	DRO (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	(mg/kg)
	19.15.29 Table 1 Closure Criteria		20,000	-	-	-	2,500	1,000	10	-	-	-	50
5-Pt Composite	10/4/2022	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Confirmation samples were collected on 10/4/2022 by Hilcorp personnel and all results were below NMOCD 19.15.29.12.D Table 1 closure criteria.

Released to Imaging: 12/8/2022 2:48:17 PM

Depth to groundwater determination.

BGT Siting Criteria for Gallegos 13E – 0.25 miles northwest of the Canyon 1 SWD.

Estimated depth to groundwater is greater than 100'.

Site Specific Hydrogeology

Depth to groundwater is estimated to be greater than 100 feet. This estimation is based on data from Stone and others (1983), the USGS Groundwater Atlas of the United States and depth to groundwater data published on the New Mexico State Engineer's iWaters Database website. Local topography and proximity to surface hydrologic features are also taken into consideration.

Beds of water-yielding sandstone are present in the Nacimiento Formation, which are fluvial in origin and are interbedded with siltstone, shale and coal. Porous sandstones form the principal aquifers, while relatively impermeable shales form confining units between the aquifers (Stone et al., 1983). Local aquifers exist within the Nacimiento Formation at depth s greater than 100 feet and thicknesses of the aquifer can be up to 3500 feet (USGS, Groundwater Atlas of the US).

The site in question is located at an elevation of approximately 6,346 feet and approximately 1.24 miles east of the Gallegos Canyon. Broad shalely hills are interspersed with occasional sandstone outcrops, and systems of dry washes and their tributaries are evident on the attached aerial image. Groundwater is expected to be shallow within Gallegos Canyon. The floor of Gallegos Canyon is at an elevation of approximately 6,179 feet approximately 180 feet lower in elevation.

Groundwater data available from the NM State Engineer's iWaters Database for wells near the proposed site are attached. A map showing the locations of wells in reference to the proposed pit location is also attached. Water drops show locations of wells and the labels for each water drop indicate depth to groundwater in feet. The closest well to the site is an elevation of approximately of 6,355 feet and is located 3,225 feet to the southeast this well puts groundwater at 165 feet below the surface. The observations made within this report suggest that groundwater is greater than 100 feet deep at the proposed location.



Depth to groundwater determination.

BGT Siting Criteria for Gallegos 13 – 0.5 miles east of the Canyon 1 SWD.

Estimated depth to groundwater is greater than 100'.

Site Specific Hydrogeology

Depth to groundwater is estimated to be greater than 100 feet. This estimation is based on data from Stone and others (1983), the USGS Groundwater Atlas of the United States and depth to groundwater data published on the New Mexico State Engineer's iWaters Database website. Local topography and proximity to surface hydrologic features are also taken into consideration.

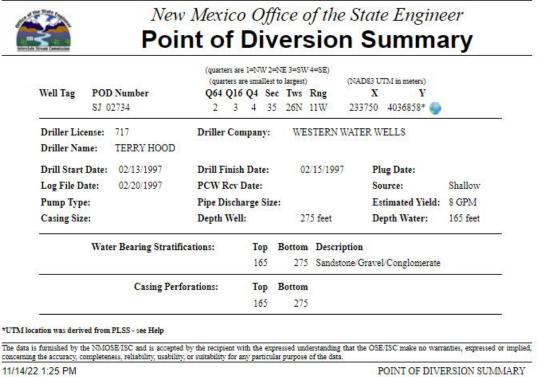
Beds of water-yielding sandstone are present in the Nacimiento Formation, which are fluvial in origin and are interbedded with siltstone, shale and coal. Porous sandstones form the principal aquifers, while relatively impermeable shales form confining units between the aquifers (Stone et al., 1983). Local aquifers exist within the Nacimiento Formation at depth s greater than 100 feet and thicknesses of the aquifer can be up to 3500 feet (USGS, Groundwater Atlas of the US).

The site in question is located at an elevation of approximately 6,356 feet and approximately 1.32 miles east of Gallegos Canyon. Broad shalely hills are interspersed with occasional sandstone outcrops, and systems of dry washes and their tributaries are evident on the attached aerial image. Groundwater is expected to be shallow within Gallegos Canyon. The floor of the Gallegos Canyon is at an elevation of approximately 6,217 approximately 130 feet lower in elevation.

Groundwater data available from the NM State Engineer's iWaters Database for wells near the proposed site are attached. A map showing the locations of wells in reference to the proposed pit location is also attached. Water drops show locations of wells and the labels for each water drop indicate depth to groundwater in feet. The closest well to the site is an elevation of approximately of 6,356 feet and is located 786 feet to the northwest this well puts groundwater at 165 feet below the surface. The observations made within this report suggest that groundwater is greater than 100 feet at the proposed location.



Depth to groundwater determination.

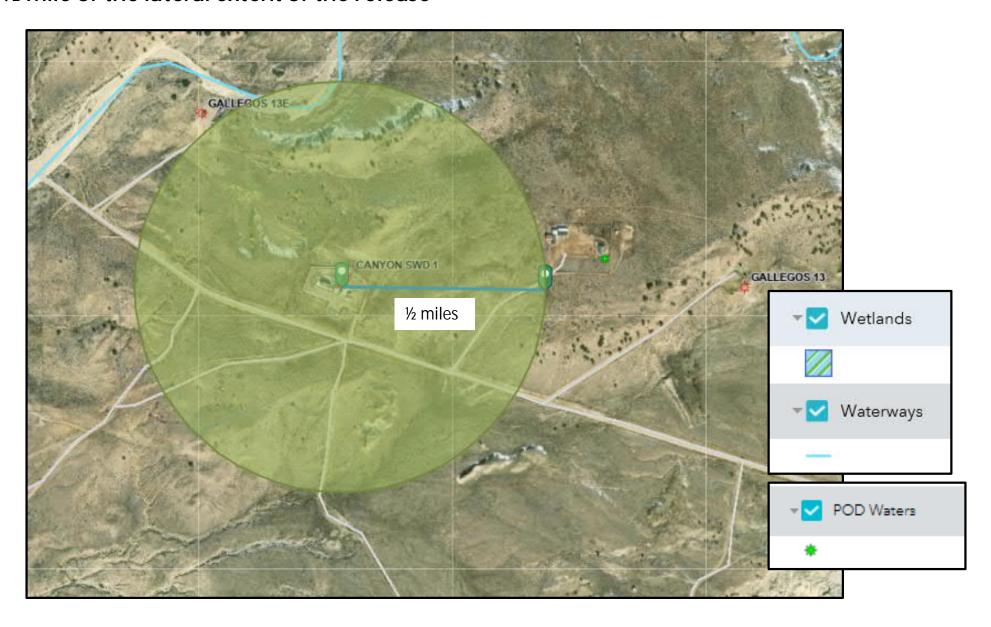


POD water well #02734 is approximately 1,700 feet east of the Canyon 1 SWD. NMSE database shows groundwater depth is 165 feet at this location.

11/14/22 1:25 PM



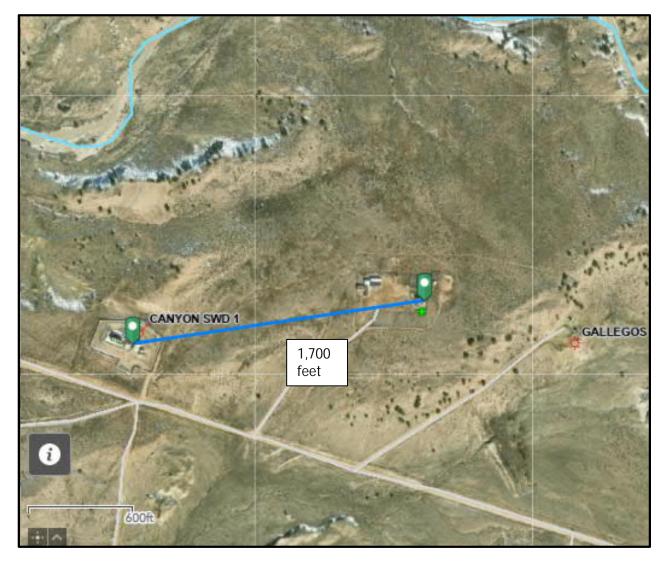
Determination of water sources and significant watercourses within ½ mile of the lateral extent of the release



Note 1: Release point is not shown to be within 300 ft of any continuously flowing watercourse or any other significant water course.

Note 2: The lateral extents of the release point are not shown to be within 300 feet of a mapped wetland.

Distance to mapped water wells.

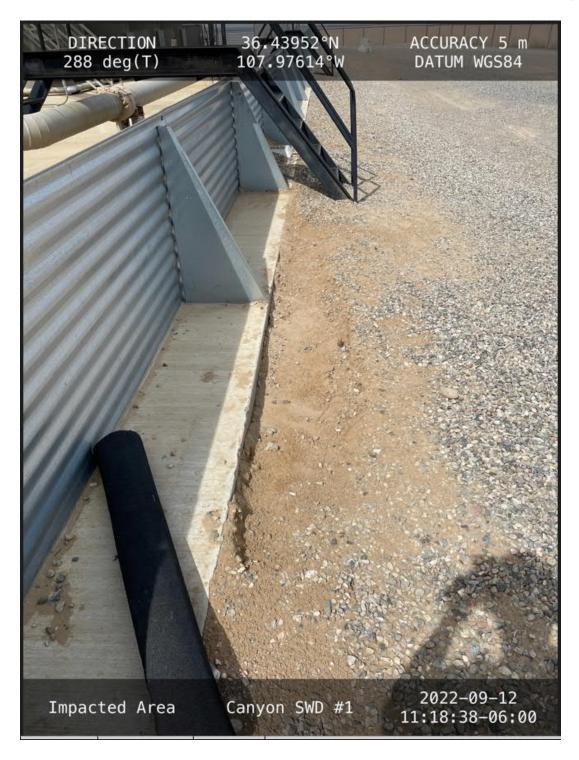




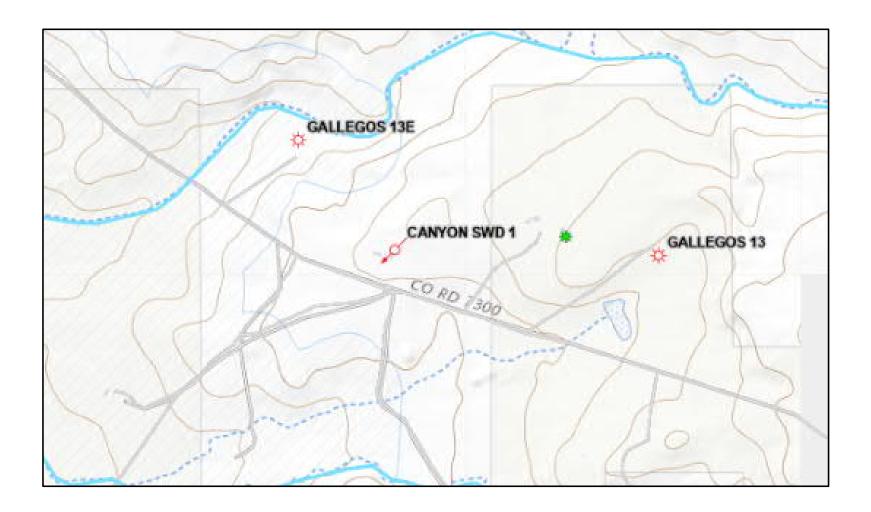
Note: The lateral extents of the release point are not shown to be within 500 ft of a spring or domestic freshwater well used by less than 5 households (or stock watering) or within 1,000 ft of any freshwater water well or spring.

Sample Locations/Field Notes - 10/4/2011

- Impacted area approximately 16' L x 1' W x 5" D
- Total area: 16 sq. ft.
- One 5-pt composite sample collected



Topographic Map



Analytical Data, Sample Collected 10/4/2022.

See attached Lab Report.



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

October 14, 2022

Kate Kaufman HILCORP ENERGY PO Box 4700 Farmington, NM 87499

TEL: (505) 564-0733

FAX:

RE: Canyon SWD OrderNo.: 2210140

Dear Kate Kaufman:

Hall Environmental Analysis Laboratory received 1 sample(s) on 10/5/2022 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,

Andy Freeman

Laboratory Manager

anded

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order **2210140**

Date Reported: 10/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HILCORP ENERGY

Client Sample ID: S-1

 Project:
 Canyon SWD
 Collection Date: 10/4/2022 9:15:00 AM

 Lab ID:
 2210140-001
 Matrix: SOIL
 Received Date: 10/5/2022 7:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OF	RGANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	13	mg/Kg	1	10/6/2022 1:03:56 PM
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	10/6/2022 1:03:56 PM
Surr: DNOP	84.3	21-129	%Rec	1	10/6/2022 1:03:56 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	10/6/2022 8:25:34 PM
Surr: BFB	86.3	37.7-212	%Rec	1	10/6/2022 8:25:34 PM
EPA METHOD 8021B: VOLATILES					Analyst: RAA
Benzene	ND	0.024	mg/Kg	1	10/6/2022 8:25:34 PM
Toluene	ND	0.048	mg/Kg	1	10/6/2022 8:25:34 PM
Ethylbenzene	ND	0.048	mg/Kg	1	10/6/2022 8:25:34 PM
Xylenes, Total	ND	0.096	mg/Kg	1	10/6/2022 8:25:34 PM
Surr: 4-Bromofluorobenzene	95.6	70-130	%Rec	1	10/6/2022 8:25:34 PM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	ND	60	mg/Kg	20	10/6/2022 10:37:53 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 Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: **2210140**

14-Oct-22

Client: HILCORP ENERGY

Project: Canyon SWD

Sample ID: MB-70667 SampType: MBLK TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 70667 RunNo: 91598

Prep Date: 10/6/2022 Analysis Date: 10/6/2022 SeqNo: 3281949 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride ND 1.5

Sample ID: LCS-70667 SampType: LCS TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 70667 RunNo: 91598

Prep Date: 10/6/2022 Analysis Date: 10/6/2022 SeqNo: 3281950 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride 14 1.5 15.00 0 95.3 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 Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 2 of 5

Hall Environmental Analysis Laboratory, Inc.

2210140 14-Oct-22

WO#:

Client: HILCORP ENERGY

Project: Canyon SWD

Sample ID: LCS-70635	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: LCSS	Batch ID: 70635	RunNo: 91599					
Prep Date: 10/5/2022	Analysis Date: 10/6/2022	SeqNo: 3281585	Units: mg/Kg				
Analyte	Result PQL SPK va	lue SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual				
Diesel Range Organics (DRO)	36 15 50	.00 0 71.2 64.4	127				
Surr: DNOP	3.5 5.0	000 71.0 21	129				
Sample ID: MB-70635	SampType: MBLK	SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Org					
Client ID: PBS	Batch ID: 70635	RunNo: 91599					
Prep Date: 10/5/2022	Analysis Date: 10/6/2022	SeqNo: 3281587	Units: mg/Kg				
Analyte	Result PQL SPK va	lue SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual				
Diesel Range Organics (DRO)	ND 15						
Motor Oil Range Organics (MRO)	ND 50						
Surr: DNOP	8.4 10	.00 84.1 21	129				
Sample ID: LCS-70611	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Organics				
Client ID: LCSS	Batch ID: 70611	RunNo: 91599					
Prep Date: 10/5/2022	Analysis Date: 10/6/2022	SeqNo: 3284851	Units: %Rec				
Analyte	Result PQL SPK va	lue SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual				
Surr: DNOP							

Sample ID: MB-70611	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics	
Client ID: PBS	Batch ID: 70611	RunNo: 91599	
Prep Date: 10/5/2022	Analysis Date: 10/6/2022	SeqNo: 3284852 Units: %Rec	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual	

Surr: DNOP

8.4

10.00

83.6

21

129

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 Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 3 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#: 2210140

14-Oct-22

Client: HILCORP ENERGY

Project: Canyon SWD

Sample ID: LCS-70625	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch	Batch ID: 70625			RunNo: 91616						
Prep Date: 10/5/2022 Analysis Date: 10/6/2022				SeqNo: 3282365 Units:				s: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	24	5.0	25.00	0	94.4	72.3	137				
Surr: BFB	1900		1000		187	37.7	212				

Sample ID: mb-70625 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range Batch ID: 70625 Client ID: PBS RunNo: 91616 Prep Date: Analysis Date: 10/6/2022 SeqNo: 3282366 10/5/2022 Units: mg/Kg Result Analyte **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual ND

Gasoline Range Organics (GRO)

5.0

1000

91.0

212

Surr: BFB

910

37.7

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference
- Analyte detected in the associated Method Blank
- Estimated value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RLReporting Limit

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2210140**

14-Oct-22

Client: HILCORP ENERGY

Project: Canyon SWD

Sample ID: Ics-70625	TestCode: EPA Method 8021B: Volatiles									
Client ID: LCSS	Batch ID: 70625			RunNo: 91616						
Prep Date: 10/5/2022 Analysis Date: 10/6/2022				SeqNo: 3282419			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.81	0.025	1.000	0	81.0	80	120			
Toluene	0.87	0.050	1.000	0	86.7	80	120			
Ethylbenzene	0.88	0.050	1.000	0	87.8	80	120			
Xylenes, Total	2.6	0.10	3.000	0	87.7	80	120			
Surr: 4-Bromofluorobenzene	0.99		1.000		99.1	70	130			

Sample ID: mb-70625	SampType: MBLK Batch ID: 70625 Analysis Date: 10/6/2022			TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS				RunNo: 91616						
Prep Date: 10/5/2022				SeqNo: 3282420			Units: mg/K	g		
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	0.99		1.000		99.3	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 Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 5 of 5

LABORATORY

Hall Environmental Analysis Laboratory 4901 Hawkins NE

Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

EL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name:	ent Name: HILCORP ENERGY Work Order Nu						RcptNo	: 1			
Received By:	Juan Roja	as	10/5/20	22 7:00:00 /	AM	Hansey &	7				
Completed By:	Sean Livi	ngston	10/5/20	22 8:35:21	MA	Se Los					
Reviewed By:	Jn 10/5	hz				عبد ا	1730				
Chain of Cus	<u>tody</u>										
1. Is Chain of Cu	ustody comp	lete?			Yes 🗸	No 🗌	Not Present				
2. How was the	sample deliv	vered?			Courier						
Log In 3. Was an attem	npt made to	cool the samp	les?		Yes 🗸	No 🗌	NA 🗆				
4		. 10 10 0									
4. Were all samp	oles received	l at a tempera	ture of >0° C	to 6.0°C	Yes 🗸	No 🗌	NA 🗌				
5. Sample(s) in p	oroper conta	iner(s)?			Yes 🗸	No 🗌					
6. Sufficient sam	ple volume f	or indicated te	est(s)?		Yes 🗸	No 🗌					
7. Are samples (except VOA and ONG) properly preserved?						No 🗌					
8. Was preservat	tive added to	bottles?			Yes	No 🗸	NA 🗌				
9. Received at le	ast 1 vial wit	h headspace	<1/4" for AQ V	OA?	Yes \square	No 🗌	NA 🗸				
10. Were any sam	nple containe	ers received b	roken?		Yes	No 🗸	# of preserved				
11. Does paperwo	rk match bo	ttle labels?			Yes 🗸	No 🗆	bottles checked for pH:				
(Note discrepa)				The state of the s	12 unless noted)			
2. Are matrices c	orrectly iden	tified on Chair	of Custody?		Yes 🗸	No 🗌	Adjusted?				
3. Is it clear what		50	?		Yes 🗸	No 🗌	/	100 10 05			
4. Were all holdir (If no, notify cu	•				Yes 🗸	No 🗌	Checked by:	VG 10.05			
Special Handli	ing (if app	olicable)					ý.				
15. Was client no	tified of all d	iscrepancies v	vith this order?		Yes 🗌	No 🗆	NA 🗸				
Person	Notified:			Date:	r		r				
By Who	m:			Via:	eMail [☐ Phone ☐ Fax	In Person				
Regardi	ng:		NAME (ALAN ASSESSMENT ASSESSMENT)	-							
Client In	structions:		***************************************	THE RESERVE OF THE PERSON OF T	Toronto de la compansión de la compansió						
16. Additional rer	marks:							_			
17. Cooler Inform	3	¥.									
Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By					
1	8.0	Good									

Received by OCD: 11/14/20	2:57:53 PM					Page 29 of 30
HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallenvironmental.com kins NE - Albuquerque, NM 87109 345-3975 Fax 505-345-4107						- -
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HALL ANAL www.hall 4901 Hawkins NE - Tel. 505-345-3975	DB (Method 504.1)					contract
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District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

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 158642

CONDITIONS

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
	Action Number:
Houston, TX 77002	158642
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By		Condition Date
nvelez	None	12/8/2022