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	nAPP2121134139
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 # nAPP2121134139
Contact mailing address 1111 Travis Street, Houston, Texas 77002	

Location of Release Source

Latitude 36.9484215

(NAD 83 in decimal degrees to 5 decimal places)

Site Name Middle Mass SWD 1	Site Type SWD
Site Maine Middle Mesa SWD I	Site Type SWD
Date Release Discovered 7/16/2021 @ 10:35 am (MT)	API# 30-045-27004

Unit Letter	Section	Township	Range	County
L	25	32N	7W	San Juan

Surface Owner: State Federal Tribal Private (Name:_____

Nature and Volume of Release

Material	(s) Released (Select all that apply and attach calculations or specific)	justification for the volumes provided below)
Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls) 21.46	Volume Recovered (bbls) 20
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

A release of approximately 21.46 bbls produced water was released due to an overflow at the open-top 120-bbl pit tank. Released fluids overflowed into the secondary containment area surrounding the pit tank and did not migrate any further. Upon discovery, the contractor immediately recovered fluids from within the secondary containment area. After further discussion, it was determined that the contractor failed to monitor the pit tank fluid level during an offloading event. The spill amount was determined by using operator's monthly tank gauging data. OCD will be notified 48 hours prior to closure sampling.

Page 2

	Page 2 of 2
Incident ID	nAPP2121134139
District RP	
Facility ID	
Application ID	

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?
🗌 Yes 🖾 No	
If VES was immediate n	atice given to the OCD? By whom? To whom? When and by what means (phone, email, etc.)?
II TES, was minieutate in	site given to the OCD? By whom? To whom? when and by what means (phone, email, etc)?

Initial Response

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

 \square The source of the release has been stopped.

The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

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: _____ *Mah Juff______* Date: 7/30/2021______

email: ___mkillough@hilcorp.com______ Telephone: ___713-757-5247_____

OCD Only

Received by: _____ Date: _____

Released to Imaging: 2/23/2022 9:02:48 AM

Page 3

Oil Conservation Division

	Page 3 of 28
Incident ID	nAPP2121134139
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?	<u>>100</u> (ft bgs)
Did this release impact groundwater or surface water?	🗌 Yes 🛛 No
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?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes 🛛 No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🛛 No
Did the release impact areas not on an exploration, development, production, or storage site?	🗌 Yes 🛛 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
- \boxtimes 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.

Received by OCD: 10/14/2	021 2:10:44 PM			Page 4 of 28
Form C-141	State of New Mexico		Incident ID	nAPP2121134139
Page 4	Oil Conservation Division		District RP	
			Facility ID	
			Application ID	
I hereby certify that the info regulations all operators are public health or the environ failed to adequately investig addition, OCD acceptance of and/or regulations. Printed Name:Mitch I Signature: email:mkillough@hi	brmation given above is true and complete to the bar required to report and/or file certain release notifi- ment. The acceptance of a C-141 report by the OC gate and remediate contamination that pose a thread of a C-141 report does not relieve the operator of re- Killough	est of my knowledge cations and perform of CD does not relieve th t to groundwater, sur esponsibility for com Title:Env	and understand that purs corrective actions for rele he operator of liability sh face water, human health pliance with any other fe ironmental Specialist_ Date: 10/1 Telephone:713-	uant to OCD rules and eases which may endanger ould their operations have or the environment. In deral, state, or local laws 4/2021 757-5247
OCD Only				
Received by:		Date:		

Page 6

Oil Conservation Division

	Page 5 of 20
Incident ID	nAPP2121134139
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 item	s must be included in the closure report.
A scaled site and sampling diagram as described in 19.15.29.11 N	IMAC
Photographs of the remediated site prior to backfill or photos of must be notified 2 days prior to liner inspection)	the liner integrity if applicable (Note: appropriate OCD District office
Laboratory analyses of final sampling (Note: appropriate ODC D	istrict 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 and regulations all operators are required to report and/or file certain re- may endanger public health or the environment. The acceptance of a C should their operations have failed to adequately investigate and remed human health or the environment. In addition, OCD acceptance of a C compliance with any other federal, state, or local laws and/or regulation restore, reclaim, and re-vegetate the impacted surface area to the condit accordance with 19.15.29.13 NMAC including notification to the OCD	o the best of my knowledge and understand that pursuant to OCD rules lease notifications and perform corrective actions for releases which 2-141 report by the OCD does not relieve the operator of liability iate contamination that pose a threat to groundwater, surface water, -141 report does not relieve the operator of responsibility for ns. The responsible party acknowledges they must substantially tions that existed prior to the release or their final land use in when reclamation and re-vegetation are complete.
Printed Name:Mitch Killough	Title:Environmental Specialist
Signature:	Date: 10/14/2021
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 I remediate contamination that poses a threat to groundwater, surface wate party of compliance with any other federal, state, or local laws and/or response to the state of the state	iability should their operations have failed to adequately investigate and er, human health, or the environment nor does not relieve the responsible egulations.
Closure Approved by:	Date:02/23/2022
Printed Name: Nelson Velez	Title: <u>Environmental Specialist – Adv</u>

Executive Summary

On July 16, 2021 at 10:35 am MT, Hilcorp Energy Company (Hilcorp) had a 21.46 bbl release of produced water at the Middle Mesa 1 SWD (API No. 30-045-27004). The release was as a result of the contractor failing to monitor the pit tank fluid level during an offloading event. Upon discovery the contractor immediately recovered the fluids from the secondary containment. The released fluids remained inside secondary containment of the bermed area.

Following the initial investigation, Hilcorp chose to assess soil impacts by taking samples of the bermed area. Lab samples confirmed that no action was required based on the cleanup standards at the SWD.

Confirmation sampling was then scheduled for Thursday, September 23rd at 8:00 am in accordance with NMAC 19.15.29.12.D. However, no representation from NMOCD or BLM were present at the time of the scheduled sampling. Hilcorp's representative proceeded with the confirmation sampling event as scheduled. This site is ranked > 100 ft per NMAC 19.15.29.12.E. A composite sample was taken from each corner collected from the base of the bermed area and and additional point in between the NW and SW corner. Results for the composite soil sample were shown to be below the applicable clean up action levels. Refer to sample field pictures for additional information.

Initial Release Photographs





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Scaled Map



Note 1: The surface extent of the Middle Mesa 1 SWD release is represented by the red square shown in image above. Note that all spilled liquids remained within secondary containment.

Released to Imaging: 2/23/2022 9:02:48 AM

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Scaled Map – Close-up



Area of Release

★ 5-pt Composite Sample Location

Determination of water sources and significant watercourses within ¹/₂ 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.

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Determination of water sources and significant watercourses within ¹/₂ mile of the lateral extent of the release



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

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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.

Depth to groundwater

20

Note: Groundwater information taken from the
data sheet for ground bed cathodic at the Middle
Mesa SWD 1. The estimated groundwater depth
is shown to be 190 ft.

				1200	-
		8			282.547 ¹
			20-	0.65-7.7004	
I	DATA SHEET FOR DEI NG (Submit)	EP GROUND ORTHWESTER 3 copies t	BED CATHODIC N NEW MEXICO O OCD Aztec	PROTECTION WE Office)	LLS
Operator	MERIDIAN OIL INC.		Location: U	InitL_Sec.25 T	wp 32 Rng 7
Name of We	ell/Wells or Pipel	line Servi	ced MIDDLE N	ŒSA SWD #1	
					cps 2131w
Elevation_	6642'Completion Da	ate 5/10/89	Total Dept	h 500' Land T	ype*_N/A
Casing, Si	zes, Types & Dept	hs	N/A		
If Cement	or Bentonite Plug N/A	is have be	en placed, s	how depths & a	mounts used
Depths & t Fresh, Cle	hickness of water ar, Salty, Sulphu	zones wi r, Etc	th descripti 190' &	on of water wh 220'	en possible
Depths gas	encountered:	N/A		Ś	
Type & amo	unt of coke breez	e used:	N/A		
Depths and	des placed: 465', 4	40', 430',	420', 410', 40	0', 390', 380', 3	00', 280'
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Remarks:	(gb #1			MAY 31 1991,	
			C	IL CON. DIV.	
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If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

*Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee. If Federal or Indian, add Lease Number.

Depth to groundwater

		(quart (qua	ters are 1= rters are s	NW 2=N mallest t	NE 3=	=SW 4=SE) gest) (N	AD83 UTM	in meters)	
Vell Tag Po	OD Number	Q64	Q16 Q4	Sec 1	Tws	Rng	x	Y	
S	J 03420		2 4	19 3	32N	06W 2	277997 4	093753*	9
Driller License:	717	Driller Co	ompany	: WE	STE	RN WATE	R WELLS	5	
Driller Name:	HOOD, TERRY								
Drill Start Date:	03/10/2006	Drill Fini	sh Date		03/	18/2006	Plug D	Date:	
Log File Date:	03/22/2006	PCW Rev	v Date:				Sourc	e:	Shallow
Pump Type:		Pipe Dis	charge	Size:			Estim	ated Yield	I: 1 GPM
Casing Size:	6.00	Depth W	ell:		415	5 feet	Depth	Water:	60 feet
Wate	er Bearing Stratifi	cations:	Тор	Botto	m	Descriptio	n		
			55	(65	Sandstone	/Gravel/C	onglomer	ate
			325	30	65	Sandstone	/Gravel/C	Conglomer	ate

Note: NMOSE data pulled from 9 sections including the release point is shown above. Depth to groundwater in the sources is 60 ft at an elevation of 6453 ft. Middle Mesa SWD's elevation is 6642 ft. From that groundwater depth can be estimated at 129 ft.

Sample locations



Northwest corner



Southwest corner and NW/SW Middle

Sample locations



Northeast Corner



Southeast Corner

Sample locations - Overview



★ General area of 5-pt Composite Sample Location

Data table of soil contaminant concentration data

Soil Sample Identification	Sample Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	Chlorides (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	MRO (mg/kg)	GRO+DRO (mg/kg)	TPH (mg/kg)
BGT Composite	9/23/2021	<0.026	<0.052	<0.052	<0.10	<0.23	150	<5.2	24	180	<29.2	<209.2
NMOCD Table 1 Closure	Criteria	10	NE	NE	NE	50	20,000	NE	NE	NE	1,000	2,500

Note: Confirmation samples were collected on 9/23/2021 by Hilcorp personnel. Sample came back below action levels.



September 30, 2021

Mitch Killough HILCORP ENERGY PO Box 4700 Farmington, NM 87499 TEL: (505) 564-0733 FAX: Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

OrderNo.: 2109D84

RE: Middle Mesa SWD

Dear Mitch Killough:

Hall Environmental Analysis Laboratory received 1 sample(s) on 9/24/2021 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

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2109D84

Date Reported: 9/30/2021

CLIENT: HILCORPENERGY	CLIENT: HILCORPENERGY	CLIENT: HILCORPENERGY	CLIENT: HILCORP ENERGY	CLIENT: HILCORP ENERGY	CLIENT: HILCORP ENERGY
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2109D84-001

Middle Mesa SWD

Project:

Lab ID:

Client Sample ID: BGT Composite Collection Date: 9/23/2021 8:17:00 AM Received Date: 9/24/2021 7:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst: SB
Diesel Range Organics (DRO)	24	8.8	mg/Kg	1	9/27/2021 11:04:35 AM
Motor Oil Range Organics (MRO)	180	44	mg/Kg	1	9/27/2021 11:04:35 AM
Surr: DNOP	95.4	70-130	%Rec	1	9/27/2021 11:04:35 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.2	mg/Kg	1	9/24/2021 12:12:16 PM
Surr: BFB	98.7	70-130	%Rec	1	9/24/2021 12:12:16 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.026	mg/Kg	1	9/24/2021 12:12:16 PM
Toluene	ND	0.052	mg/Kg	1	9/24/2021 12:12:16 PM
Ethylbenzene	ND	0.052	mg/Kg	1	9/24/2021 12:12:16 PM
Xylenes, Total	ND	0.10	mg/Kg	1	9/24/2021 12:12:16 PM
Surr: 4-Bromofluorobenzene	86.7	70-130	%Rec	1	9/24/2021 12:12:16 PM
EPA METHOD 300.0: ANIONS					Analyst: VP
Chloride	150	60	mg/Kg	20	9/27/2021 3:46:30 PM

Matrix: MEOH (SOIL)

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
- н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank в
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 1 of 5

Client: Project:	HILC Middl	ORP ENERGY e Mesa SWD									
Sample ID:	MB-62847	SampTyp	e: MB	BLK	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID:	PBS	Batch II	D: 62	847	F	RunNo: 8 4	1597				
Prep Date:	9/27/2021	Analysis Date	e: 9/	27/2021	S	SeqNo: 28	883492	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID:	LCS-62847	SampTyp	e: LC	S	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID:	LCSS	Batch II	D: 62	847	F	RunNo: 8 4	1597				
Prep Date:	9/27/2021	Analysis Date	e: 9/	27/2021	S	SeqNo: 28	383493	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		15	1.5	15.00	0	97.1	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 Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- 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

2109D84

30-Sep-21

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: Project:	HILCOR Middle M	P ENERG Iesa SWD	rΥ								
Sample ID:	MB-62827	SampT	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID:	PBS	Batc	h ID: 62	827	F	RunNo: 8	1612				
Prep Date:	9/24/2021	Analysis E	Date: 9/	27/2021	S	SeqNo: 2	884266	Units: mg/k	٨g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	ND	10								
Motor Oil Rang	e Organics (MRO)	ND	50								
Surr: DNOP		8.5		10.00		85.5	70	130			
Sample ID:	LCS-62827	SampT	Гуре: LC	S	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID:	LCSS	Batc	h ID: 62	827	F	RunNo: 8 1	1612				
Prep Date:	9/24/2021	Analysis E	Date: 9/	27/2021	5	SeqNo: 2	884267	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	42	10	50.00	0	84.9	68.9	135			
Surr: DNOP		4.1		5.000		81.5	70	130			
Sample ID:	2109D84-001AMS	SampT	Гуре: МS	3	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID:	BGT Composite	Batc	h ID: 62	827	F	RunNo: 8	1612				
Prep Date:	9/24/2021	Analysis E	Date: 9/	27/2021	5	SeqNo: 2	884780	Units: mg/ł	٨g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	57	9.8	49.02	23.69	68.1	39.3	155			
Surr: DNOP		4.8		4.902		97.9	70	130			
Sample ID:	2109D84-001AMS	D Samp1	Гуре: М\$	SD	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID:	BGT Composite	Batc	h ID: 62	827	F	RunNo: 8 1	1612				
Prep Date:	9/24/2021	Analysis E	Date: 9/	27/2021	5	SeqNo: 2	884781	Units: mg/k	٨g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	58	10	49.75	23.69	69.1	39.3	155	1.79	23.4	
Surr: DNOP		5.2		4.975		104	70	130	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 Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- 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

Page 3 of 5

2109D84

30-Sep-21

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: Project:	HILCOR Middle M	P ENERG Iesa SWD	Y								
Sample ID:	mb	Sampl	ype: MI	BLK	les	tCode: EF	PA Method	8015D: Gasc	oline Rang	e	
Client ID:	PBS	Batch	n ID: B8	1560	F	RunNo: 8 1	1560				
Prep Date:		Analysis D	ate: 9/	24/2021	S	SeqNo: 28	882065	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range	e Organics (GRO)	ND	5.0								
Surr: BFB		1000		1000		104	70	130			
Sample ID:	2.5ug gro Ics	SampT	ype: LC	s	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID:	LCSS	Batch	n ID: B8	1560	F	RunNo: 8 1	1560				
Prep Date:		Analysis D	ate: 9/	24/2021	5	SeqNo: 28	882066	Units: mg/k	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range	e Organics (GRO)	26	5.0	25.00	0	105	78.6	131			
Surr: BFB		1200		1000		115	70	130			
Sample ID:	2109d84-001ams	SampT	ype: MS	6	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID:	BGT Composite	Batch	n ID: B8	1560	F	RunNo: 8 1	1560				
Prep Date:		Analysis D	ate: 9/	24/2021	5	SeqNo: 28	882068	Units: mg/k	ζg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range	e Organics (GRO)	26	5.2	25.80	0	101	61.3	114			
Surr: BFB		1200		1032		118	70	130			
Sample ID:	2109d84-001amsd	I SampT	ype: MS	SD	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID:	BGT Composite	Batch	n ID: B8	1560	F	RunNo: 8 1	1560				
Prep Date:		Analysis D	ate: 9/	24/2021	S	SeqNo: 28	882069	Units: mg/k	٤g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range	e Organics (GRO)	26	5.2	25.80	0	102	61.3	114	1.53	20	
Surr: BFB		1200		1032		117	70	130	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 Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- 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

2109D84

30-Sep-21

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: HILC Project: Midd	CORP ENERC	GY)								
Sample ID: mb	Samp	Type: ME	BLK	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: PBS	Batc	h ID: D8	1560	F	RunNo: 8	1560				
Prep Date:	Analysis [Date: 9/	24/2021	S	SeqNo: 2	882122	Units: mg/k	٢g		
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	0.90		1.000		89.7	70	130			
Sample ID: 100ng btex Ic	s Samp ⁻	Type: LC	S	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: LCSS	Batc	h ID: D8	1560	F	RunNo: 8	1560				
Prep Date:	Analysis [Date: 9/	24/2021	5	SeqNo: 2	882123	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.025	1.000	0	96.6	80	120			
Toluene	0.98	0.050	1.000	0	98.5	80	120			
Ethylbenzene	0.98	0.050	1.000	0	98.5	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.1	80	120			
Surr: 4-Bromofluorobenzene	0.90		1.000		89.9	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

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- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 5 of 5

2109D84

30-Sep-21

	ONMENT 'SIS ATORY	AL	Ha TE V	ll Environme L: 505-345-, 'ebsite: clien	ntal Analysis La 4901 Hav Albuquerque, N 3975 FAX: 505-3 ts.hallenvironme	boratory vkins NE M 87109 45-4107 ntal.com	Sai	nple Log-In Check	List
Client Name:	HILCORP	ENERGY	Work	Order Num	ber: 2109D84			RcptNo: 1	
Received By: Completed By:	Cheyenne Isaiah Ori	e Cason tiz	9/24/20 9/24/20	21 7:00:00 21 7:34:10	AM AM	Chu		2-4	
Reviewed By:	1PG	9/24/	21						
Chain of Cus	<u>odv</u>								
1. Is Chain of Cu	istody comp	lete?			Yes 🗹	N	o 🗌	Not Present	
2. How was the s	sample deliv	vered?			<u>Courier</u>				
Log In 3 Was an attem	nt made to (cool the comp	1002			N			
	prinade to t	cool the samp	165 /		res 💌	N	0		
4. Were all samp	les received	l at a tempera	ture of >0° C	to 6.0°C	Yes 🗸	N	o 🗌		
5. Sample(s) in p	roper conta	iner(s)?			Yes 🖌	N	0		
6. Sufficient sam	ole volume f	or indicated to	est(s)?		Yes 🗹	No			
7. Are samples (e	except VOA	and ONG) pro	operly preserve	ed?	Yes 🗹	No			
8. Was preservat	ive added to	bottles?			Yes	No		NA 🗌	
9. Received at lea	ast 1 vial wit	h headspace	<1/4" for AQ \	/OA?	Yes	No		NA 🗸	
10. Were any sam	ple containe	ers received b	roken?		Yes	N			
11. Does paperwor	k match bo	ttle labels?	,		Yes 🗹	No		# of preserved bottles checked for pH:	
12 Are matrices co	prrectly iden	tified on Chai) n of Custody?		Voc 🖌	No		Adjusted?	es noted)
1.3 Is it clear what	analvses we	ere requested	?		Yes V	No		. /	
14. Were all holdin (If no, notify cu	g times able stomer for a	e to be met? authorization.)			Yes 🗹	No		Checked by: JN 9	24/21
Special Handli	ng (if app	olicable)					ŝ		
15. Was client not	ified of all di	iscrepancies v	with this order?	,	Yes 🗌	N	o 🗌	NA 🔽	
Person N	Notified:			Date	Printer and the second second	2010/14 dormer anner 14 faire	-		
By Whor	n:	<u></u>		Via:	eMail] Phone [Fax	In Person	
Regardir	ng:			Contractor and a second	and a second	nint, the a manufacture and the	200001-0124	Delandro fan tar waar teen teen teen teen teen teen teen tee	
Client In	structions:		an Charles and Contract of States			and a state of the state of	canarine anno		
16. Additional ren	arks:								
17. Cooler Inform	nation								
Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed	Ву		

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Page 1 of 1

<i>Received by OCD: 10/14/2021</i>	2:10:44 PM	Т					Page 26 of 28
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Mitch Killough

From: Sent: To: Cc: Subject:	Mitch Killough Tuesday, September 21, 20 Smith, Cory, EMNRD; Envir Cameron Garrett; Clara Ca Closure Soil Sampling - Mi	Mitch Killough Tuesday, September 21, 2021 6:50 AM Smith, Cory, EMNRD; Enviro, OCD, EMNRD Cameron Garrett; Clara Cardoza; Adeloye, Abiodun A Closure Soil Sampling - Middle Mesa SWD 1 (Incident No. nAPP2121134139)					
Tracking:	Recipient	Delivery					
	Smith, Cory, EMNRD						
	Enviro, OCD, EMNRD						
	Cameron Garrett	Delivered: 9/21/2021 6:50 AM					
	Clara Cardoza	Delivered: 9/21/2021 6:50 AM					
	Adeloye, Abiodun A						

Hi Cory.

Hilcorp Energy Company (Hilcorp) is providing a 48-hour notification for closure soil sampling scheduled to occur at the Middle Mesa SWD 1 on Thursday, September 23, 2021, beginning at 8:00 am (MT). The initial C-141 was submitted to the NMOCD on 7/30/2021 and was assigned incident no. nAPP2121134139. The location is on federal surface.

Please let me know if you have any questions.

Thanks.

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

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

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	56104
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	2/23/2022

Page 28 of 28

Action 56104