

July 12, 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: Second Quarter 2023 – SVE System Update Scott 4M San Juan County, New Mexico Hilcorp Energy Company NMOCD Incident Number: NCE2003650476

To Whom it May Concern:

Ensolum, LLC (Ensolum), on behalf of Hilcorp Energy Company (Hilcorp), presents this *Second Quarter 2023 – SVE System Update* report summarizing the soil vapor extraction (SVE) system performance at the Scott 4M natural gas production well (Site), located in Section 17, Township 31 North, and Range 10 West in San Juan County (Figure 1). The SVE system has operated since January 2021 to remediate subsurface soil impacts resulting from approximately 42 barrels (bbls) of natural gas condensate released from an aboveground storage tank. This report summarizes Site activities performed in April, May, and June of 2023.

SVE SYSTEM SPECIFICATIONS

An upgraded SVE system was installed at the Site at the end of September 2022 and consists of 3-phase, 3.4 horsepower Republic Model KVHRC500 blower capable of producing a flow of 221 standard cubic feet per minute (scfm) and a vacuum of 76 inches of water column (IWC). The system is powered by a permanent power drop and is intended to run 24 hours per day. Seven SVE wells are currently present at the Site (SVE01 through SVE07, shown on Figure 2). SVE wells SVE01 through SVE03 are screened at depth intervals ranging from 25 feet to 45 feet below ground surface (bgs) in order to remediate deep soil impacts located at the Site. SVE wells SVE04 and SVE05 are screened at depth intervals ranging from 5 feet to 25 feet bgs in order to remediate shallow soil impacts at the Site. SVE wells SVE06 and SVE07 were installed at the Site in order to complete the pilot test conducted in 2021; however, these wells are not located in impacted areas and are used as observation wells only.

SECOND QUARTER 2023 ACTIVITIES

During the second quarter of 2023, Ensolum and Hilcorp personnel performed bi-weekly operation and maintenance (O&M) visits to ensure the system was operating as designed and to perform any required maintenance. Field notes taken during O&M visits are presented in Appendix A. During the second quarter of 2023, SVE wells SVE01 through SVE05 were operated in order to induce flow in impacted soil zones. Between March 9 and June 22, 2023, the SVE system operated for 2,525.7 hours for a runtime efficiency of 100 percent (%). Appendix B presents

photographs of the runtime meter for calculating the second quarter runtime efficiency. Table 1 presents the SVE system operational hours and calculated percent runtime.

A second quarter 2023 air sample was collected on June 22, 2023 from a sample port located between the SVE piping manifold and the SVE blower using a high vacuum air sampler. Prior to collection, the emission sample was field screened with a photoionization detector (PID) for organic vapor monitoring (OVM). The emission sample was collected directly into two 1-Liter Tedlar[®] bags and submitted to Hall Environmental Analysis Laboratory (Hall) in Albuquerque, New Mexico for analysis of total volatile petroleum hydrocarbons (TVPH – also known as total petroleum hydrocarbons – gasoline range organics (TPH-GRO)) following United States Environmental Protection Agency (EPA) Method 8015D, volatile organic compounds (VOCs) following EPA Method 8260B, and fixed gas analysis of oxygen and carbon dioxide following Gas Processors Association (GPA) Method 2261. Table 2 presents a summary of analytical data collected during this sampling event and historical sampling events, with the full laboratory analytical report included in Appendix C.

Air sample data and measured stack flow rates are used to estimate total mass recovered and total emissions generated by the SVE system (Table 3). Based on these estimates, 7,731 pounds (3.9 tons) of TVPH have been removed by the system to date.

RECOMMENDATIONS

Bi-weekly O&M visits will continue to be performed by Ensolum and/or Hilcorp personnel to ensure the SVE system is operating within normal working ranges (i.e., temperature, pressure, and vacuum). Deviations from regular operations will be noted on field logs and included in the following quarterly report.

We appreciate the opportunity to provide this report to the NMOCD. If you should have any questions or comments regarding this report, please contact the undersigned.

Sincerely,

Ensolum, LLC

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

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Daniel R. Moir, PG Senior Managing Geologist (303) 887-2946 dmoir@ensolum.com

Attachments:

- Figure 1Site LocationFigure 2SVE System Configuration
- Table 1Soil Vapor Extraction System Runtime Calculations
- Table 2
 Soil Vapor Extraction System Air Analytical Results
- Table 3
 Soil Vapor Extraction System Mass Removal and Emissions



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Hilcorp Energy Company Second Quarter 2023 – SVE System Update Scott 4M

Appendix AField NotesAppendix BProject PhotographsAppendix CLaboratory Analytical Reports

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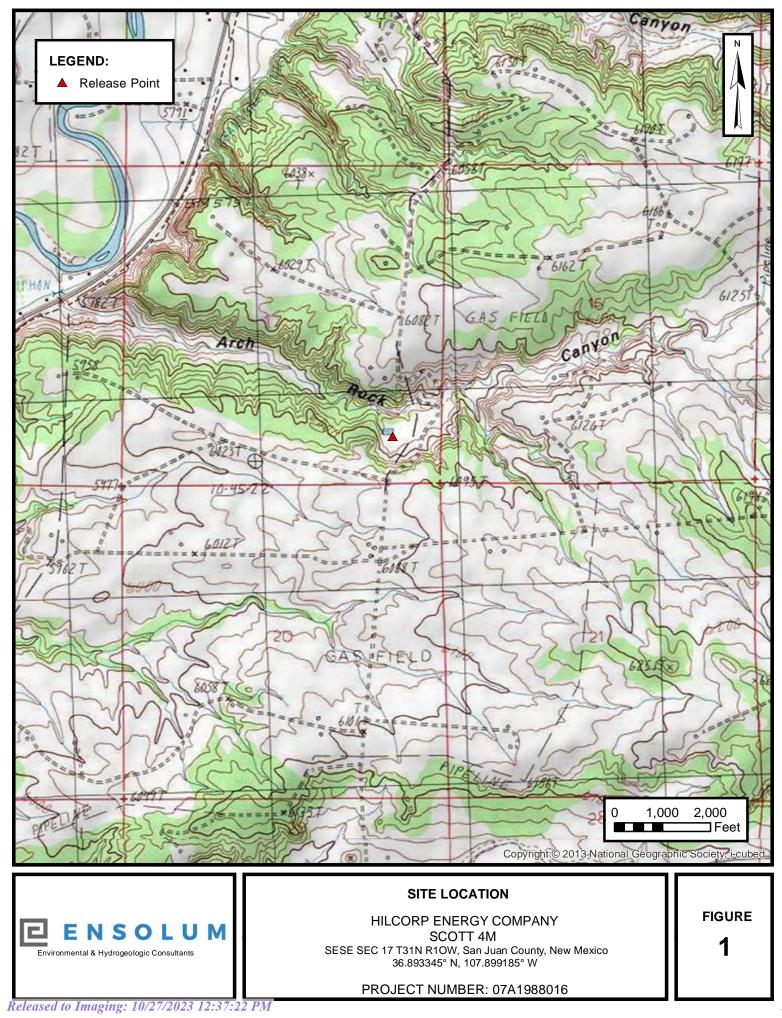


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FIGURES

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TABLES

ENSOLUM

TABLE 1

SOIL VAPOR EXTRACTION SYSTEM RUNTIME CALCULATIONS

Scott 4M

Hilcorp Energy Company

San Juan County, New Mexico

Date	Total Operational Hours	Delta Hours	Days	Percent Runtime
3/9/2023	10,203			
6/22/2023	12,728	2,525.7	105.0	100%

E N S O L U M

TABLE 2 SOIL VAPOR EXTRACTION SYSTEM EMISSIONS ANALYTICAL RESULTS Scott 4M Hilcorp Energy Company San Juan County, New Mexico								
Date	PID (ppm)	Benzene (μg/L)	Toluene (μg/L)	Ethylbenzene (µg/L)	Total Xylenes (μg/L)	TVPH/GRO (μg/L)	Oxygen (%)	Carbon Dioxide (%)
2/1/2021	118	85	240	10	64	18,000		
9/7/2021	53	40	280	24	240	15,000		
9/29/2021	316	210	1,800	240	2,200	85,000		
12/2/2021	232	48	320	32	310	50,000	16.60%	1.03%
3/15/2022	402	38	430	63	660	18,000	20.80%	0.473%
6/16/2022	89	1.3	13	1.6	17	750	21.57%	0.15%
9/28/2022	476	9.6	120	19	220	5,900	20.73%	0.90%
12/12/2022	198	2.5	26	4.9	59	2,100	21.65%	0.27%
3/9/2023	274	1.0	19	4.0	50	1,500	21.64%	0.19%
6/22/2023	247	1.2	16	2.4	34	940	21.42%	0.29%

Notes:

GRO: gasoline range organics

μg/L: microgram per liter

PID: photoionization detector

ppm: parts per million

TVPH: total volatile petroleum hydrocarbons

%: percent

--: not sampled

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TABLE 3 SOIL VAPOR EXTRACTION SYSTEM MASS REMOVAL AND EMISSIONS Scott 4M Hilcorp Energy Company San Juan County, New Mexico

Flow	and	Laboratory	Analysis

	Flow and Laboratory Analysis							
Date	PID (ppm)	Benzene (μg/L)	Toluene (μg/L)	Ethylbenzene (μg/L)	Total Xylenes (μg/L)	TVPH (μg/L)		
2/1/2021	118	85	240	10	64	18,000		
9/7/2021	53	40	280	24	240	15,000		
9/29/2021	316	210	1,800	240	2,200	85,000		
12/2/2021	232	48	320	32	310	50,000		
3/15/2022	402	38	430	63	660	18,000		
6/16/2022	89	1.3	13	1.6	17	750		
9/28/2022 (1)	476	9.6	120	19	220	5,900		
12/12/2022 (2)	198	2.5	26	4.9	59	2,100		
3/9/2023	274	1.0	19	4.0	50	1,500		
6/22/2023	247	1.2	16	2.4	34	940		
Average	240	44	326	40	385	19,719		

	Vapor Extraction Summary								
Date	Flow Rate (cfm)	Total System Flow (cf)	Delta Flow (cf)	Benzene (lb/hr)	Toluene (lb/hr)	Ethylbenzene (lb/hr)	Total Xylenes (lb/hr)	TVPH (lb/hr)	
2/1/2021	22	1,980	1,980	0.0070	0.020	0.00082	0.0053	1.5	
9/7/2021	22	2,841,168	2,839,188	0.0051	0.021	0.0014	0.013	1.4	
9/29/2021	10	2,979,528	138,360	0.0047	0.039	0.0049	0.046	1.9	
12/2/2021	3.5	3,106,158	126,630	0.0017	0.014	0.0018	0.016	0.88	
3/15/2022	8.0	3,519,486	413,328	0.0013	0.011	0.0014	0.015	1.0	
6/16/2022	14	4,412,322	892,836	0.0010	0.012	0.0017	0.018	0.49	
9/9/2022 (1)	12	5,218,146	805,824	0.00024	0.0030	0.00046	0.0053	0.15	
12/10/2022 (2)	46	10,939,074	5,720,928	0.0010	0.013	0.0021	0.024	0.69	
3/9/2023	31	14,846,376	3,907,302	0.00020	0.0026	0.00052	0.0063	0.21	
6/22/2023 (3)	36	20,301,024	5,454,648	0.00015	0.00236	0.00043	0.00566	0.16426	
			Average	0.0022	0.014	0.0016	0.015	0.83	

Flow and Laboratory Analysis

Date	Total SVE System Hours	Delta Hours	Benzene (pounds)	Toluene (pounds)	Ethylbenzene (pounds)	Total Xylenes (pounds)	TVPH (pounds)	TVPH (tons)
2/1/2021	1.5	1.5	0.010	0.030	0.0012	0.0079	2.2	0.0011
9/7/2021	2,152	2,151	11	46	3.0	27	2,920	1.5
9/29/2021	2,383	231	1.1	9.0	1.1	11	431	0.22
12/2/2021	2,986	603	1.0	8.4	1.1	9.9	533	0.27
3/15/2022	3,847	861	1.1	9.7	1.2	12	876	0.44
6/16/2022	4,910	1,063	1.1	12.3	1.8	19	522	0.26
9/9/2022 (1)	6,029	1,119	0.3	3.3	0.5	6.0	167	0.08
12/10/2022 (2)	8,102	2,073	2.2	26	4.3	50	1,426	0.71
3/9/2023	10,203	2,101	0.43	5.5	1.1	13	438	0.22
6/22/2023	12,728	2,525	0.37	6.0	1.1	14	415	0.21
	Total Mass	Recovery to Date	19	126	15	162	7,731	3.9

Notes:

(1): SVE system hours and flow rates were collected during operation and maintenance visit on 9/9/2022

(2): PID measurement, SVE system hours, and flow rates were collected during operation and maintenance visit on 12/10/2022

(3): SVE system rotameter was malfunctioning during site visit on 6/22/2023. Flow rate was estimated based on the average flow recorded during site visits between 4/13/2023 and 6/7/2023. cf: cubic feet

cfm: cubic feet per minute

µg/L: micrograms per liter

lb/hr: pounds per hour

--: not sampled

PID: photoionization detector

ppm: parts per million

TVPH: total volatile petroleum hydrocarbons

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APPENDIX A

Field Notes

SCOTT 4M SVE SYSTEM BIWEEKLY O&M FORM

DATE: <u>4–13</u> TIME ONSITE:

O&M PERSONNEL: TIME OFFSITE: p Sinclair

SVE SYSTEM - MONTHLY O&M

SVE ALARMS:

KO TANK HIGH LEVEL

SVE SYSTEM	READING	TIME	TIME	R SETTINGS
Blower Hours (take photo)	11044.8	13.53	Month	Timer Setting
Voltage In		12.2.2		
Amperage In			January	8 AM to 7 PM
Voltage Out			February	8 AM to 7 PM
Amperage Out			March	8 AM to 8 PM
		and the second s	April	8 AM to 9 PM
KiloWatts	and the second		May	7 AM to 9 PM
KiloWatt-Hours			June	6 AM to 9 PM
Solar Controller Status	and the second s		July	6 AM to 9 PM
Post Pre K/O Vacuum (IWC)	- 60	manifest and the second	August	7 AM to 9 PM
Inlet Rotameter Flow (scfm)	35	and the second	September	8 AM to 9 PM
Inlet PID	162.2		October	8 AM to 8 PM
Exhaust PID	245.9		November	9 AM to 8 PM
Solar Panel Angle			December	8 AM to 6 PM
K/O Tank Drum Level	- 1 4			
K/O Liquid Drained (gallons)				
Timer Setting				

and the second	SVE SYST	EM - QUARTERLY SAMPL	ING	
SAMPLE ID:		SAMPLE TIME:		
Analytes:	TVPH (8015), VOCs (8260), Fixed	1 Gas (CO/CO2/O2)		
OPERATING WELLS				
Change in Well Operation:				
LOCATION	VACUUM (IWC)	PID HEADSPACE (PPM)	ADJUSTMENTS	
SVE01		45		
SVE02	Read and the second second	52,9	all and the second s	

DYDUZ		
SVE03	268.5	And the second
SVE04	86.4	
SVE05	186	
SVE06 (OBSERVATION WELL)		
SVE07 (OBSERVATION WELL)		Ciercia and Ciercia

SCOTT 4M SVE SYSTEM BIWEEKLY O&M FORM

DATE: <u>4-25</u> TIME ONSITE: O&M PERSONNEL: <u>B</u> Sinclair TIME OFFSITE:

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	SVE S	YSTEM - MONTHLY O	0&M	
SVE ALARMS:		KO TANK HIGH LEVE	L	
SVE SYSTEM	READING	TIME	TIMI	ER SETTINGS
Blower Hours (take photo)	11332.4		Month	Timer Setting
Voltage In			January	8 AM to 7 PM
Amperage In		Constant of Brender	February	8 AM to 7 PM
Voltage Out		a state the second s	March	8 AM to 8 PM
Amperage Out			April	8 AM to 9 PM
KiloWatts			May	7 AM to 9 PM
KiloWatt-Hours		the second se	June, .	6 AM to 9 PM
Solar Controller Status	A CARLES AND A CARLES AND A		July	6 AM to 9 PM
Post Pro K/O Vacuum (IWC)	- 59		August	7 AM to 9 PM
Inlet Rotameter Flow (scfm)	36		September	8 AM to 9 PM
Inlet PID	351.5		October :	8 AM to 8 PM
Exhaust PID	205.8		November	9 AM to 8 PM
Solar Panel Angle			December	8 AM to 6 PM
K/O Tank Drum Level				
K/O Liquid Drained (gallons)	and the second second	A State State State	A TANK	
Timer Setting	19 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	i de la companya de l		

	SVE SYS	TEM - QUARTERLY SAMPL	LING	2
SAMPLE ID:		SAMPLE TIME:	1. 推进	
Analytes:	TVPH (8015), VOCs (8260), Fixe	ed Gas (CO/CO2/O2)	A REPART	
OPERATING WELLS	A start	N. AG.		
		1		
	· · · · · · · · · · · · · · · · · · ·		L. S. S. S. C.	
Change in Well Operation:				
	Catter and Catter and		19 Jan 19 19	
LOCATION	VACIIIM (IWC)	PID HEADSPACE (PPM)	ADJUSTMENTS	1

LUCATION	VACOUM (INC)		
SVE01	and the second	530.6	star and s
SVE02		71.6	
SVE03		136.5	
SVE04		154.5	Set the
SVE05		263.7	ALL STREET
SVE06 (OBSERVATION WELL)			11 11
SVE07 (OBSERVATION WELL)			N.F. I



SCOTT 4M SVE SYSTEM BIWEEKLY O&M FORM

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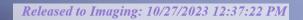
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	SVE S	YSTEM - MONTHLY O&	M	
		the second s		
SVE ALARMS:		KO TANK HIGH LEVEL		
SVE SYSTEM	READING	TIME	TIM	ER SETTINGS
Blower Hours (take photo)	11547.4	1227	Month	Timer Setting
Voltage In			January	8 AM to 7 PM
Amperage In			February	8 AM to 7 PM
Voltage Out			March	8 AM to 8 PM
Amperage Out			April	8 AM to 9 PM
KiloWatts			May	7 AM to 9 PM
KiloWatt-Hours	and the second se	and the second sec	June	6 AM to 9 PM
Solar Controller Status	and the second		July	6 AM to 9 PM
Post Pre K/O Vacuum (IWC)	-57	2 million and a second s	August	7 AM to 9 PM
Inlet Rotameter Flow (scfm)	37	million and an and an and an and an and an and an and and	September	8 AM to 9 PM
Inlet PID	183.2		October	8 AM to 8 PM
Exhaust PID	258.9	A ANAKELY SA ANA	November	9 AM to 8 PM
Solar Panel Angle		BARER P	December	8 AM to 6 PM
K/O Tank Drum Level	A REAL PROPERTY AND	A SECORD		
K/O Liquid Drained (gallons)	and the second sec			
Timer Setting		a land and and and a second and a	and the second	

and the Rooman and the second	SVE SYSTEM - QUARTERLY SAMPLING
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SAMIT LE ID.		SAMIFLE INVIE:		
Analytes:	TVPH (8015), VOCs (8260), Fixed	Gas (CO/CO2/O2)	President and the second s	
OPERATING WELLS				
		A Description of the second		
Change in Well Operation:				
LOCATION	VACUUM (IWC)	PID HEADSPACE (PPM)	ADJUSTMENTS	
SVE01		447.3		
SVE02		56.4		
SVE03		109		the survey of the local day of the survey of
SVE04		82.4		
SVE05		169,6		
SVE06 (OBSERVATION WELL)				
SVE07 (OBSERVATION WELL)				



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	WALL PART LAR WALLS		
	SCOTT 4M SVE SYST BIWEEKLY O&M FO		
DATE: <u>5-18</u> TIME ONSITE:	O&M PERSONN TIME OFFS		-
	SVE SYSTEM - MONTHLY	0&M	
SVE ALARMS:	KO TANK HIGH LEVI	FL	
SVE ALAIGNS.	KO IMIKI MONTEEVI		
SVE SYSTEM REAL	DING TIME	TIME	R SETTINGS
Blower Hours (take photo) 11885	.5 1432	Month	Timer Setting
Voltage In		January	8 AM to 7 PM
Amperage In		February	8 AM to 7 PM
Voltage Out		March	8 AM to 8 PM
Amperage Out		April	8 AM to 9 PM
KiloWatts	and the second se	May	7 AM to 9 PM
KiloWatt-Hours	the second se	June	6 AM to 9 PM
Solar Controller Status	and the second sec	July	6 AM to 9 PM
lost R/O Vacuum (IWC) -56	1	August	7 AM to 9 PM
Inlet Rotameter Flow (scfm) 38	and the second sec	September	8 AM to 9 PM
Inlet PID 207.	9	October	8 AM to 8 PM
Exhaust PID 200.	9	November	9 AM to 8 PM
Solar Panel Angle		December	8 AM to 6 PM
K/O Tank Drum Level	A second s		
K/O Liquid Drained (gallons)			
Timer Setting			

	SVE SYSTEM - QUARTERLY SAMPLING
SAMPLE ID:	SAMPLE TIME:
Analytes:	TVPH (8015), VOCs (8260), Fixed Gas (CO/CO2/O2)
OPERATING WELLS	
Change in Well Operation:	
Change in wen Operation.	

LOCATION	VACUUM (IWC)	PID HEADSPACE (PPM)	ADJUSTMENTS
SVE01		445.8	
SVE02		63.2	
OT TEOD	Contraction of the second s	1200	

SVE03	128.9	
SVE04	97.3	
SVE05	169.8	
SVE06 (OBSERVATION WELL)		
SVE07 (OBSERVATION WELL)		

COMMENTS/OTHER MAINTENANCE:

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	DATE: TIME ONSITE:		SCOTT 4M SVE SYSTEM BIWEEKLY O&M FORM O&M PERSONNEL: TIME OFFSITE:	B Sinde	ir
	SVE ALARMS:	S	KO TANK HIGH LEVEL		1
and the second	SVE SYSTEM	READING	TIME	TIM	IER SETTINGS
	Blower Hours (take photo)	12365.7	1439	Month	Timer Setting
and the second	Voltage In		AND	January	8 AM to 7 PM
and the second	Amperage In Voltage Out			February	8 AM to 7 PM

Diower mours (take photo)	12365.7	1439	Month	Timer Setting
Voltage In		The state of the second second second	January	8 AM to 7 PM
Amperage In		No and a second second second second	February	
Voltage Out				8 AM to 7 PM
Amperage Out		and a state of the state of the state of the	March	8 AM to 8 PM
NAME AND ADDRESS OF A DESCRIPTION OF A D			April	8 AM to 9 PM
KiloWatts			May	7 AM to 9 PM
KiloWatt-Hours			June	6 AM to 9 PM
Solar Controller Status		The second second second second second	July	
Pest Pre K/O Vacuum (IWC)	-58		Contractor contractor and an and and	6 AM to 9 PM
Inlet Rotameter Flow (scfm)	20		August	7 AM to 9 PM
Inlet PID	20		September	8 AM to 9 PM
	285.4		October	8 AM to 8 PM
Exhaust PID	152.8	and the state of the	November	9 AM to 8 PM
Solar Panel Angle			December	8 AM to 6 PM
K/O Tank Drum Level	and the second		2 Cochilder	6 AIVI to 6 FIVI

22 O TUIN DIUNI LOVOI	
K/O Liquid Drained (gallons)	
Timer Setting	

	SVE SYSTEM - QUARTERLY SAMPLING	
SAMPLE ID:	SAMPLE TIME:	
Analytes: TV	PH (8015), VOCs (8260), Fixed Gas (CO/CO2/O2)	
OPERATING WELLS		

Change in Well Operation:			
LOCATION	VACUUM (IWC)	PID HEADSPACE (PPM)	ADJUSTMENTS
SVE01		404.1	
SVE02		70.8	
SVE03		73.1	
SVE04		96.2	
SVE05		217	
SVE06 (OBSERVATION WELL)			
SVE07 (OBSERVATION WELL)			

.

COMMENTS/OTHER MAINTENANCE:

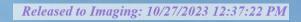
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DATE: TIME ONSITE:	Se B 6-22	COTT 4M SVE SYSTEM IWEEKLY O&M FORM O&M PERSONNEL: TIME OFFSITE:	BSil	r
SVE ALARMS:	SVE	KO TANK HIGH LEVEL	M	
SVE SYSTEM	READING	TIME		
Blower Hours (take photo)	12728.4		TIM	ER SETTINGS
Voltage In		1723	Month	Timer Setting
Amperage In			January	8 AM to 7 PM
Voltage Out			February	8 AM to 7 PM
Amperage Out			March	8 AM to 8 PM
KiloWatts			April	8 AM to 9 PM
KiloWatt-Hours			May	7 AM to 9 PM
Solar Controller Status			June	6 AM to 9 PM
Post Pre-K/O Vacuum (IWC)	- 58		July	6 AM to 9 PM
Inlet Rotameter Flow (scfm)	0-100		August	7 AM to 9 PM
Inlet PID	246.6		September	8 AM to 9 PM
Exhaust PID	200.9		October	8 AM to 8 PM
Solar Panel Angle	The second second second		November	9 AM to 8 PM
K/O Tank Drum Level			December	8 AM to 6 PM
K/O Liquid Drained (gallons)				

(Sanons)				
Timer Setting	and the second state of the second state of the		and the second s	
The second s		the second s		
	SVE SYS	TEM - QUARTERLY SAMP	LING	and the second of the
SAMPLE ID:		SAMPLE TIME:		
Analytes:	TVPH (8015), VOCs (8260), Fix	ed Gas (CO/CO2/O2)		
OPERATING WELLS				
Change in Well Operation:				
LOCATION	VACUUM (IWC)	PID HEADSPACE (PPM)	ADJUSTMENTS	7
SVE01	and a second	394.4	THUSCOTWILLING	
SVE02		7015		
SVE03		131.7		
SVE04		126.7		
SVE05		201.2	AND DESCRIPTION OF A DE	
SVE06 (OBSERVATION WELL)				
SVE07 (OBSERVATION WELL)				

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APPENDIX B

Project Photographs

PROJECT PHOTOGRAPHS Scott 4M San Juan County, New Mexico Hilcorp Energy Company

Photograph 1 Runtime meter taken on March 9, 2023 at 10:46 AM Hours = 10,202.7	DIRECTION 195 deg(T) 36.89330*N 107.89945*N ACCURACY 5 m DATUM MG584
Photograph 2 Runtime meter taken on June 22, 2023 at 5:23 PM Hours = 12,728.4	<text></text>



APPENDIX C

Laboratory Analytical Reports



July 11, 2023

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: www.hallenvironmental.com

OrderNo.: 2306C74

Dear Mitch Killough:

RE: Scott 4M

Hall Environmental Analysis Laboratory received 1 sample(s) on 6/24/2023 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued June 29, 2023.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

CLIENT: HILCORP ENERGY

Analytical Report Lab Order 2306C74

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/11/2023 Client Sample ID: SVE-1

Project:	Scott 4M	Collection Date: 6/22/2023 6:00:00 PM							
Lab ID:	2306C74-001	Matrix: AIR	Recei	ved Date:	6/24/2	023 7:45:00 AM			
Analyses		Result	RL Qua	l Units	DF	Date Analyzed			
EPA MET	THOD 8015D: GASOLINE RA	ANGE				Analyst: JJP			
Gasoline	e Range Organics (GRO)	940	50	µg/L	10	6/26/2023 2:14:10 PM			
Surr: I	BFB	344	15-412	%Rec	10	6/26/2023 2:14:10 PM			
EPA ME	THOD 8260B: VOLATILES					Analyst: JR			
Benzene	2	1.2	0.50	µg/L	5	7/5/2023 12:45:20 PM			
Toluene		16	0.50	μg/L	5	7/5/2023 12:45:20 PM			
Ethylber	izene	2.4	0.50	μg/L	5	7/5/2023 12:45:20 PM			
Methyl te	ert-butyl ether (MTBE)	ND	0.50	μg/L	5	7/5/2023 12:45:20 PM			
-	methylbenzene	4.5	0.50	μg/L	5	7/5/2023 12:45:20 PM			
	methylbenzene	5.0	0.50	µg/L	5	7/5/2023 12:45:20 PM			
1,2-Dich	loroethane (EDC)	ND	0.50	µg/L	5	7/5/2023 12:45:20 PM			
	omoethane (EDB)	ND	0.50	µg/L	5	7/5/2023 12:45:20 PM			
Naphtha	lene	ND	1.0	µg/L	5	7/5/2023 12:45:20 PM			
1-Methyl	naphthalene	ND	2.0	µg/L	5	7/5/2023 12:45:20 PM			
-	naphthalene	ND	2.0	µg/L	5	7/5/2023 12:45:20 PM			
Acetone		ND	5.0	µg/L	5	7/5/2023 12:45:20 PM			
Bromobe	enzene	ND	0.50	µg/L	5	7/5/2023 12:45:20 PM			
Bromodi	chloromethane	ND	0.50	µg/L	5	7/5/2023 12:45:20 PM			
Bromofo	rm	ND	0.50	µg/L	5	7/5/2023 12:45:20 PM			
Bromom	ethane	ND	1.0	µg/L	5	7/5/2023 12:45:20 PM			
2-Butano	one	ND	5.0	µg/L	5	7/5/2023 12:45:20 PM			
Carbon of	disulfide	ND	5.0	µg/L	5	7/5/2023 12:45:20 PM			
Carbon t	etrachloride	ND	0.50	µg/L	5	7/5/2023 12:45:20 PM			
Chlorobe	enzene	ND	0.50	µg/L	5	7/5/2023 12:45:20 PM			
Chloroet	hane	ND	1.0	µg/L	5	7/5/2023 12:45:20 PM			
Chlorofo	rm	ND	0.50	µg/L	5	7/5/2023 12:45:20 PM			
Chlorom	ethane	ND	0.50	µg/L	5	7/5/2023 12:45:20 PM			
2-Chloro	toluene	ND	0.50	µg/L	5	7/5/2023 12:45:20 PM			
4-Chloro	toluene	ND	0.50	µg/L	5	7/5/2023 12:45:20 PM			
cis-1,2-D	DCE	ND	0.50	µg/L	5	7/5/2023 12:45:20 PM			
cis-1,3-D	Dichloropropene	ND	0.50	µg/L	5	7/5/2023 12:45:20 PM			
1,2-Dibro	omo-3-chloropropane	ND	1.0	µg/L	5	7/5/2023 12:45:20 PM			
Dibromo	chloromethane	ND	0.50	µg/L	5	7/5/2023 12:45:20 PM			
Dibromo	methane	ND	1.0	µg/L	5	7/5/2023 12:45:20 PM			
1,2-Dich	lorobenzene	ND	0.50	µg/L	5	7/5/2023 12:45:20 PM			
1,3-Dich	lorobenzene	ND	0.50	µg/L	5	7/5/2023 12:45:20 PM			
1,4-Dich	lorobenzene	ND	0.50	µg/L	5	7/5/2023 12:45:20 PM			
Dichloro	difluoromethane	ND	0.50	µg/L	5	7/5/2023 12:45:20 PM			
1,1-Dich	loroethane	ND	0.50	µg/L	5	7/5/2023 12:45:20 PM			
1,1-Dich	loroethene	ND	0.50	µg/L	5	7/5/2023 12:45:20 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

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of standard limits. If undiluted results may be estimated. S

Analyte detected in the associated Method Blank в

Above Quantitation Range/Estimated Value Е

J Analyte detected below quantitation limits Р

Sample pH Not In Range

RL Reporting Limit Page 1 of 2

*

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2306C74

Date Reported: 7/11/2023

CLIENT: HILCORP ENERGY		Client Samp	ole ID:	SVE-1				
Project: Scott 4M		Collection Date: 6/22/2023 6:00:00 PM						
Lab ID: 2306C74-001	Matrix: AIR Received Date: 6/24/2023 7:45:00 AM							
Analyses	Result	RL Qual U	nits	DF	Date Analyzed			
EPA METHOD 8260B: VOLATILES					Analyst: JR			
1,2-Dichloropropane	ND	0.50 µ	µg/L	5	7/5/2023 12:45:20 PN			
1,3-Dichloropropane	ND	0.50 µ	µg/L	5	7/5/2023 12:45:20 PN			
2,2-Dichloropropane	ND	0.50 µ	µg/L	5	7/5/2023 12:45:20 PN			
1,1-Dichloropropene	ND	0.50 µ	µg/L	5	7/5/2023 12:45:20 PN			
Hexachlorobutadiene	ND	0.50 µ	µg/L	5	7/5/2023 12:45:20 PN			
2-Hexanone	ND	5.0 µ	µg/L	5	7/5/2023 12:45:20 PN			
Isopropylbenzene	0.92	0.50 µ	µg/L	5	7/5/2023 12:45:20 PN			
4-Isopropyltoluene	ND	0.50 µ	µg/L	5	7/5/2023 12:45:20 PN			
4-Methyl-2-pentanone	ND	5.0 µ	µg/L	5	7/5/2023 12:45:20 PN			
Methylene chloride	ND	1.5 µ	µg/L	5	7/5/2023 12:45:20 PN			
n-Butylbenzene	ND	1.5 µ	µg/L	5	7/5/2023 12:45:20 PN			
n-Propylbenzene	1.1	0.50 J	µg/L	5	7/5/2023 12:45:20 PN			
sec-Butylbenzene	ND	0.50 µ	µg/L	5	7/5/2023 12:45:20 PN			
Styrene	ND	0.50 µ	µg/L	5	7/5/2023 12:45:20 PN			
tert-Butylbenzene	ND	0.50 µ	µg/L	5	7/5/2023 12:45:20 PN			
1,1,1,2-Tetrachloroethane	ND	0.50 µ	µg/L	5	7/5/2023 12:45:20 PN			
1,1,2,2-Tetrachloroethane	ND	0.50 µ	µg/L	5	7/5/2023 12:45:20 PN			
Tetrachloroethene (PCE)	ND	0.50 J	µg/L	5	7/5/2023 12:45:20 PN			
trans-1,2-DCE	ND	0.50 J	µg/L	5	7/5/2023 12:45:20 PN			
trans-1,3-Dichloropropene	ND	0.50 J	µg/L	5	7/5/2023 12:45:20 PN			
1,2,3-Trichlorobenzene	ND	0.50 J	µg/L	5	7/5/2023 12:45:20 PN			
1,2,4-Trichlorobenzene	ND	0.50 F	µg/L	5	7/5/2023 12:45:20 PN			
1,1,1-Trichloroethane	ND	0.50 µ	µg/L	5	7/5/2023 12:45:20 PN			
1,1,2-Trichloroethane	ND	0.50 F	µg/L	5	7/5/2023 12:45:20 PN			
Trichloroethene (TCE)	ND	0.50 F	µg/L	5	7/5/2023 12:45:20 PN			
Trichlorofluoromethane	ND	0.50 F	µg/L	5	7/5/2023 12:45:20 PN			
1,2,3-Trichloropropane	ND	1.0 µ	µg/L	5	7/5/2023 12:45:20 PN			
Vinyl chloride	ND	0.50 J	µg/L	5	7/5/2023 12:45:20 PN			
Xylenes, Total	34	0.75 F	µg/L	5	7/5/2023 12:45:20 PN			

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

106

108

108

133

70-130

70-130

70-130

70-130

Qualifiers:

Value exceeds Maximum Contaminant Level. Sample Diluted Due to Matrix

D н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit PQL

Practical Quanitative Limit

% Recovery outside of standard limits. If undiluted results may be estimated. S

Analyte detected in the associated Method Blank в

Е Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

%Rec

%Rec

%Rec

%Rec

S

5

5

5

5

Р Sample pH Not In Range

RL Reporting Limit Page 2 of 2

7/5/2023 12:45:20 PM

7/5/2023 12:45:20 PM

7/5/2023 12:45:20 PM

7/5/2023 12:45:20 PM

Released to Imaging: 10/27/2023 12:37:22 PM

*

Surr: Dibromofluoromethane

Surr: 1,2-Dichloroethane-d4

Surr: 4-Bromofluorobenzene

Surr: Toluene-d8



ANALYTICAL SUMMARY REPORT

June 28, 2023

Hall Environmer 4901 Hawkins S Albuquerque, Ni	t NE Ste D			
Work Order: Project Name:	B23062213 Not Indicated	Quote ID: B15626		
		ved the following 1 sample for H Collect Date Receive Dat		tal on 6/27/2023 for analysis.
B23062213-001	2306C74-001B, SVE-	1 06/22/23 18:00 06/27/23	Air	Air Correction Calculations Appearance and Comments Calculated Properties GPM @ std cond,/1000 cu. ft., moist. Free Natural Gas Analysis Specific Gravity @ 60/60

The analyses presented in this report were performed by Energy Laboratories, Inc., 1120 S 27th St., Billings, MT 59101, unless otherwise noted. Any exceptions or problems with the analyses are noted in the report package. Any issues encountered during sample receipt are documented in the Work Order Receipt Checklist.

The results as reported relate only to the item(s) submitted for testing. This report shall be used or copied only in its entirety. Energy Laboratories, Inc. is not responsible for the consequences arising from the use of a partial report.

If you have any questions regarding these test results, please contact your Project Manager.

Report Approved By:



LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Hall Environmental **Project:** Not Indicated Lab ID: B23062213-001 Client Sample ID: 2306C74-001B, SVE-1

Report Date: 06/28/23 Collection Date: 06/22/23 18:00 DateReceived: 06/27/23 Matrix: Air

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
GAS CHROMATOGRAPHY ANALYSIS	REPORT						
Oxygen	21.42	Mol %		0.01		GPA 2261-95	06/28/23 08:04 / ikc
Nitrogen	77.90	Mol %		0.01		GPA 2261-95	06/28/23 08:04 / ikc
Carbon Dioxide	0.29	Mol %		0.01		GPA 2261-95	06/28/23 08:04 / ikc
Hydrogen Sulfide	<0.01	Mol %		0.01		GPA 2261-95	06/28/23 08:04 / ikc
Methane	0.39	Mol %		0.01		GPA 2261-95	06/28/23 08:04 / ikc
Ethane	<0.01	Mol %		0.01		GPA 2261-95	06/28/23 08:04 / ikc
Propane	<0.01	Mol %		0.01		GPA 2261-95	06/28/23 08:04 / ikc
Isobutane	<0.01	Mol %		0.01		GPA 2261-95	06/28/23 08:04 / ikc
n-Butane	<0.01	Mol %		0.01		GPA 2261-95	06/28/23 08:04 / ikc
Isopentane	<0.01	Mol %		0.01		GPA 2261-95	06/28/23 08:04 / ikc
n-Pentane	<0.01	Mol %		0.01		GPA 2261-95	06/28/23 08:04 / ikc
Hexanes plus	<0.01	Mol %		0.01		GPA 2261-95	06/28/23 08:04 / ikc
Propane	< 0.001	gpm		0.001		GPA 2261-95	06/28/23 08:04 / ikc
Isobutane	< 0.001	gpm		0.001		GPA 2261-95	06/28/23 08:04 / ikc
n-Butane	< 0.001	gpm		0.001		GPA 2261-95	06/28/23 08:04 / ikc
Isopentane	< 0.001	gpm		0.001		GPA 2261-95	06/28/23 08:04 / ikc
n-Pentane	< 0.001	gpm		0.001		GPA 2261-95	06/28/23 08:04 / ikc
Hexanes plus	< 0.001	gpm		0.001		GPA 2261-95	06/28/23 08:04 / ikc
GPM Total	< 0.001	gpm		0.001		GPA 2261-95	06/28/23 08:04 / ikc
GPM Pentanes plus	< 0.001	gpm		0.001		GPA 2261-95	06/28/23 08:04 / ikc
CALCULATED PROPERTIES							
Gross BTU per cu ft @ Std Cond. (HHV)	4			1		GPA 2261-95	06/28/23 08:04 / ikc
Net BTU per cu ft @ std cond. (LHV)	4			1		GPA 2261-95	06/28/23 08:04 / ikc
Pseudo-critical Pressure, psia	546			1		GPA 2261-95	06/28/23 08:04 / ikc
Pseudo-critical Temperature, deg R	240			1		GPA 2261-95	06/28/23 08:04 / ikc
Specific Gravity @ 60/60F	0.997			0.001		D3588-81	06/28/23 08:04 / ikc
Air, % - The analysis was not corrected for air.	97.87			0.01		GPA 2261-95	06/28/23 08:04 / ikc

COMMENTS

- BTU, GPM, and specific gravity are corrected for deviation from ideal gas behavior.

GPM = gallons of liquid at standard conditions per 1000 cu. ft. of moisture free gas @ standard conditions.
 To convert BTU to a water-saturated basis @ standard conditions, multiply by 0.9825.

- Standard conditions: 60 F & 14.73 psi on a dry basis.

Report Definitions: RL - Analyte Reporting Limit QCL - Quality Control Limit

06/28/23 08:04 / ikc



Billings, MT 406.252.6325 • Casper, WY 307.235.0515 of 31 Gillette, WY 307.686.7175 • Helena, MT 406.442.0711

QA/QC Summary Report

Propared by Billings MT Branch

				Prepared	by Billings, M	T Brand	h				
Client:	Hall Environmental				Work Order:	B2306	2213	Repor	t Date:	06/28/23	
Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	GPA 2261-95									Batch:	R404488
Lab ID:	LCS062723	11 Lat	oratory Co	ntrol Sample			Run: GCNG	GA-B_230627A		06/27/	/23 11:57
Oxygen			0.60	Mol %	0.01	120	70	130			
Nitrogen			5.92	Mol %	0.01	99	70	130			
Carbon D	Dioxide		0.99	Mol %	0.01	100	70	130			
Methane			74.4	Mol %	0.01	100	70	130			
Ethane			6.00	Mol %	0.01	100	70	130			
Propane			5.34	Mol %	0.01	108	70	130			
Isobutan	e		1.98	Mol %	0.01	99	70	130			
n-Butane	9		1.99	Mol %	0.01	99	70	130			
Isopenta			1.00	Mol %	0.01	100	70	130			
n-Pentan			1.00	Mol %	0.01	100	70	130			
Hexanes			0.78	Mol %	0.01	98	70	130			
Lab ID:	B23062211-001ADUP	12 Sar	nple Duplic	ate			Run: GCNG	GA-B_230627A		06/27	/23 14:25
Oxygen			17.0	Mol %	0.01				0.2	20	
Nitrogen			79.0	Mol %	0.01				0.0	20	
Carbon E	Dioxide		3.64	Mol %	0.01				0.3	20	
Hydroger			< 0.01	Mol %	0.01					20	
Methane			< 0.01	Mol %	0.01					20	
Ethane			<0.01	Mol %	0.01					20	
Propane			< 0.01	Mol %	0.01					20	
Isobutan	e		<0.01	Mol %	0.01					20	
n-Butane			< 0.01	Mol %	0.01					20	
Isopenta			< 0.01	Mol %	0.01					20	
n-Pentan			<0.01	Mol %	0.01					20	
Hexanes			0.39	Mol %	0.01				2.6	20	
Lab ID:	LCS062823	11 Lat	oratory Co	ntrol Sample	•		Run: GCNG	A-B_230627A		06/28	/23 09:16
Oxygen			0.60	Mol %	0.01	120	70	130			
Nitrogen			5.94	Mol %	0.01	99	70	130			
Carbon D	Dioxide		0.99	Mol %	0.01	100	70	130			
Methane			74.4	Mol %	0.01	100	70	130			
Ethane			5.95	Mol %	0.01	99	70	130			
Propane			5.52	Mol %	0.01	112	70	130			
Isobutan			1.97	Mol %	0.01	98	70	130			
n-Butane			1.97	Mol %	0.01	98	70	130			
Isopenta			0.96	Mol %	0.01	96	70	130			
n-Pentan			0.97	Mol %	0.01	97	70	130			
Hexanes			0.76	Mol %	0.01	95	70	130			
i lonarios	Pido		0.10	10101 /0	0.01	55	10	100			

Qualifiers: RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

ENERGY LABORATORIES

Trust our People. Trust our Data. www.energylab.com Billings, MT 406.252.6325 • Casper, WY 307.235.0515 Gillette, WY 307.686.7175 • Helena, MT 406.442.0711

Work Order Receipt Checklist

Hall Environmental

B23062213	3
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Login completed by:	Yvonna E. Smith		Date Received: 6/27/2023				
Reviewed by:	darcy		Received by: lel				
Reviewed Date:	6/28/2023		Carri	ier name: FedEx			
Chipping container/acaler in	and condition?	Vac 🗖					
Shipping container/cooler in	good condition?	Yes 🖌	No 🗌	Not Present			
Custody seals intact on all sl	hipping container(s)/cooler(s)?	Yes	No 🗌	Not Present 🗹			
Custody seals intact on all sa	ample bottles?	Yes	No 🗌	Not Present 🗹			
Chain of custody present?		Yes 🖌	No 🗌				
Chain of custody signed whe	en relinquished and received?	Yes 🗹	No 🗌				
Chain of custody agrees with	n sample labels?	Yes 🗹	No 🗌				
Samples in proper container,	/bottle?	Yes 🗹	No 🗌				
Sample containers intact?		Yes 🖌	No 🗌				
Sufficient sample volume for	indicated test?	Yes 🖌	No 🗌				
All samples received within h (Exclude analyses that are c such as pH, DO, Res Cl, Su	onsidered field parameters	Yes 🗹	No 🗌				
Temp Blank received in all s	hipping container(s)/cooler(s)?	Yes	No 🗹	Not Applicable			
Container/Temp Blank tempe	erature:	17.8°C No Ice					
Containers requiring zero he bubble that is <6mm (1/4").	adspace have no headspace or	Yes	No 🗌	No VOA vials submitted			
Water - pH acceptable upon	receipt?	Yes	No 🗌	Not Applicable			

Standard Reporting Procedures:

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

The reference date for Radon analysis is the sample collection date. The reference date for all other Radiochemical analyses is the analysis date. Radiochemical precision results represent a 2-sigma Total Measurement Uncertainty.

Contact and Corrective Action Comments:

None

HALL ENVIRONMENTAL	ANALYSIS LABORATORY

CHAIN OF CUSTODY RECORD PAGE 1 0F 1

Hall Environmental Analysis Laboratory	4901 Hawkins NE	Albuquerque, NM 87109	TEL: 505-345-3975	FAX: 505-345-4107	Website: www.hallenvironmental.com
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SUB CONTRA	ATOR Energy	SUB CONTRATOR Energy Labs -Billings	COMPANY	Energy Laboratories	ies	PHONE	(406) 869-6253	FAX: (406	(406) 252-6069	
ADDRESS:	1120 Sc	1120 South 27th Street				ACCOUNT #.		EMAIL		
CITY, STATE	ZIP. Billings	CITY, STATE, ZIP. Billings, MT 59107								
ITEM	SAMPLE	CLIENT SAMPLE ID	LEID	BOTTLE TYPE	MATRIX	COLLECTION	₽ CONTAINERS	ANALYTICAL COMMENTS	OMMENTS	
1 230	L 2306C74-001B SVE-1	SVE-1		TEDLAR	Air	5/22/2023 6:00:00 PM	6/22/2023 6:00:00 PM 1 ** 3 DAY TAT** Natural Gas Analysis, O2, CO2	I Gas Analysis, 02, CO2	E12002213	5

	1				DEPODET TRANSMITTAL DESIRED.
Iquished By:	Date 6/24/2023	1 ime: 8:52 AM	Keceived By	Date	HARDCOPY (extra cost) FAX EMAIL 0011NE
celinquished By:	Date:	Time:	Received By:	Date: Time:	FOR
telinquished By:	Date.	Time:	Receipt By Likan	50:40 Ec/2 90	Temp of samples C Attempt to Cool ?
TAT:	Standard	RUSH	Next BD 2nd BD	3rd BD	Comments

HALL ENVIRONMENTAL ANALYSIS LABORATORY	TEL: 505-	ronmental Analy 490 Albuquero -345-3975 FAX: e: www.hallenvi	01 Hawkii jue. NM 8 505-345	ns NE 87109 San -4107	nple Log-In C	heck List
Client Name: HILCORP ENERGY	Work Order	Number: 230	6C74		RcptNo:	1
Received By: Tracy Casarrubias	6/24/2023 7:4	5:00 AM				
Completed By: Tracy Casarrubias	6/24/2023 8:3	88:46 AM				
Reviewed By: 7n 6/26/23)					
Chain of Custody						
1. Is Chain of Custody complete?		Yes		No 🗹	Not Present	
2. How was the sample delivered?		Cou	rier			
Log In 3. Was an attempt made to cool the sampl	es?	Yes		No 🗌	NA 🗹	
4. Were all samples received at a temperal	ure of >0° C to 6.0°	°C Yes		No 🗌	NA 🗹	
5. Sample(s) in proper container(s)?		Yes		No 🗌		
6. Sufficient sample volume for indicated te	st(s)?	Yes		No 🗌		
7. Are samples (except VOA and ONG) pro	perly preserved?	Yes		No 🗌		
8. Was preservative added to bottles?		Yes		No 🗹	NA 🗔	
9. Received at least 1 vial with headspace	<1/4" for AQ VOA?	Yes		No 🗌	NA 🗹	
10. Were any sample containers received b	roken?	Yes		No 🗹	# of preserved bottles checked	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	1	Yes	\checkmark	No 🗌	for pH:	>12 unless noted)
12. Are matrices correctly identified on Chair		Yes	\checkmark	No 🗌	Adjusted?	
13. Is it clear what analyses were requested	?	Yes	\checkmark	No 🗌		
14. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes		No 🗌	Checked by:	me 10/24/23
Special Handling (if applicable)						
15. Was client notified of all discrepancies v	vith this order?	Yes		No 🗌	NA 🗹	
Person Notified:		Date:				
By Whom:		Via: 🗌 eM	ail 🗌 I	Phone 🗌 Fax	In Person	
Regarding:						
Client Instructions: Mailing addre	ss and phone numb	er are missing	on COC	- TMC 6/24/23		
17. <u>Cooler Information</u>						
Cooler No Temp °C Condition	Seal Intact Seal	No Seal D	ate	Signed By		
1 N/A Good	Yes					

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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

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

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CONDITIONS

Action 240054

CONDIT	IONS
Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	240054
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

CONDING		
Created	Condition	Condition Date
Ву		
nvelez	Accepted for the record. See app ID 275085 for most updated status.	10/27/2023