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	NCS 1729355513
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

				-		•	
Responsible Party Hilcorp Energy Company			OGRID 3	372171			
Contact Name Jennifer Deal			Contact T	Telephone 505-801-6517			
Contact email jdeal@hilcorp.com				Incident #	# NCS1729355513		
Contact mail	ing address	382 Road 3100 A	Aztec, NM 87410	0			
			Location	n of R	elease S	Source	
Latitude 36.8	3324852		(NAD 83 in a		Longitude grees to 5 deci	e -108.168396	
Site Name Be	ell Federal C	Gas Com B 1			Site Type	e Gas Well	
Date Release	Discovered	September 15, 20	017 (Historic)		API# (if ap	applicable) 30-045-09772	
Unit Letter	Section	Township	Range		Cou	unty	
A	11	30N	13W	San J	Tuan		
☐ Crude Oi		ul(s) Released (Select a				Release fic justification for the volumes provided below) Volume Recovered (bbls)	
						` '	
Produced	water	Volume Releas				Volume Recovered (bbls)	
Is the concentration of dissolved chlorid produced water >10,000 mg/l?		l chloride	in the	Yes No			
☐ Condensate Volume Released (bbls) 58 (Historic)		storic)		Volume Recovered (bbls) 0			
Natural Gas Volume Released (Mcf)				Volume Recovered (Mcf)			
Other (describe) Volume/Weight Released (provide units		ide units)		Volume/Weight Recovered (provide units)			
	us operator) raining onto					ank. The vandalized tank resulted in approx 58 bbls of elease was contained within the bermed area and no	

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State of New Mexico
Oil Conservation Division

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Was this a major	If YES, for what reason(s) does the responsible party consider this a major release?		
release as defined by 19.15.29.7(A) NMAC?	Release was greater than 25 bbl		
⊠ Yes □ No			
	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? nith on September 15, 2017 at 14:25 by James McDaniel (XTO). Initial C-141 was submitted October 1,		
	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.		
<u></u>	as 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 described above have <u>not</u> been undertaken, explain why:			
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.			
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws			
and/or regulations.	1 a C-141 report does not reneve the operator of responsibility for compliance with any other rederal, state, or local laws		
Printed Name:	Title:		
Signature:	Date:		
email:	Telephone:		
OCD Only			
Received by:	Date:		

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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?			
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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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:	_ Title:		
Signature:	Date:		
email:	Telephone:		
OCD Only			
Received by:	Date:		

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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) 			
<u>Deferral Requests Only</u> : Each of the following items must be con	firmed as part of any request for deferral of remediation.		
☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.			
☐ Extents of contamination must be fully delineated.			
Contamination does not cause an imminent risk to human health	, the environment, or groundwater.		
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:	Title:		
Signature:	Date:		
email:	Telephone:		
OCD Only			
Received by:	Date:		
☐ Approved ☐ Approved with Attached Conditions of	Approval		
Signature:	Date:		

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District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: Each of the following items must be included in the closure report.

☐ A scaled site and sampling diagram as described in 19.15.29.1	1 NMAC
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate ODC	C District office must be notified 2 days prior to final sampling)
Description of remediation activities	
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and rer human health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regular restore, reclaim, and re-vegetate the impacted surface area to the coaccordance with 19.15.29.13 NMAC including notification to the O	ntions. The responsible party acknowledges they must substantially nditions that existed prior to the release or their final land use in OCD when reclamation and re-vegetation are complete.
Printed Name:	I itle:
Signature:	Date:
email:	Telephone:
OCD Only	
Received by:	Date:
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.
Closure Approved by:	Date:
Printed Name:	Title:

REVIEWED

By Nelson Velez at 7:21 am, May 11, 2023

- 1. Continue with O & M schedule.
- 2. Submit next quarterly report by July 31, 2023.

April 11, 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: First Quarter 2023 - Solar SVE System Update

Bell Federal GC B#1 San Juan County, New Mexico Hilcorp Energy Company

NMOCD Incident Number: NCS1729355513

To Whom it May Concern:

Ensolum, LLC (Ensolum), on behalf of Hilcorp Energy Company (Hilcorp), presents this *First Quarter 2023 – Solar SVE System Update* report summarizing the solar soil vapor extraction (SVE) system performance at the Bell Federal GC B#1 natural gas production well (Site), located in Section 11, Township 30 North, Range 13 West in San Juan County, New Mexico (Figure 1). The SVE system has operated since January 16, 2018 to remediate subsurface soil impacts originating from a release of approximately 58 barrels (bbls) of natural gas condensate caused by an act of vandalism. This report summarizes Site activities performed in January, February, and March of 2023 to the New Mexico Oil Conservation Division (NMOCD).

SVE SYSTEM SPECIFICATIONS

Currently, a solar SVE system is operating at the Site, which consists of a 1/3-horsepower blower capable of producing 22 cubic feet per minute (cfm) flow at a vacuum of 29 inches of water column (IWC); three solar panels, with a total of 915 watts of maximum power output; and charged by four 12-volt deep cycle batteries that subsequently power the SVE blower. The system operation is controlled by a timer adjusted throughout the year based on available nominal daylight hours (generally nine hours per day during the winter and 14 hours per day during the summer). Four SVE wells (SVE01 through SVE04) are currently present at the Site as depicted on Figure 2.

FIRST QUARTER 2023 ACTIVITIES

During the first quarter of 2023, Ensolum and Hilcorp personnel performed bi-weekly operation and maintenance (O&M) visits to verify the system was operating as designed and to perform any required maintenance. During Site visits, the system timer and the angle of the solar panels were adjusted to account for seasonal variations and maximize system efficiency. Field notes collected during O&M visits are presented in Appendix A.

Ensolum, LLC | Environmental, Engineering & Hydrogeologic Consultants 776 East 2nd Ave | Durango, CO 81301 | ensolum.com Hilcorp Energy Company First Quarter 2023 – Solar SVE System Update Bell Federal GC B#1



During the first quarter of 2023, SVE wells SVE03 and SVE04 were operated to induce air flow in the impacted zones at the Site. Between December 7, 2022 and March 9, 2023, approximately 896 total hours of nominal daylight were available for the solar SVE system to operate. Available nominal daylight hours are based on estimates by the National Oceanic and Atmospheric Administration's (NOAA's) National Weather Service (NWS) for the Site location. Between these dates, the actual runtime for the system was 1,193.6 hours, equating to a first quarter 2023 runtime efficiency of 133.2 percent (%). For solar SVE systems, runtime efficiency can be greater than 100% when the solar panels charge the system's batteries during daylight hours and continue to run the SVE blower for a longer duration of time than the nominal daylight hours available at the Site due to excess energy stored in the batteries. Table 1 presents the SVE system runtime compared to nominal available daylight hours per month. Appendix B presents photographs of the runtime meter for calculating the first quarter runtime efficiency.

A first quarter 2023 emissions sample was collected on March 9, 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 analyzed by Hall Environmental Analysis Laboratory for analysis of total volatile petroleum hydrocarbons (TVPH – also known as total petroleum hydrocarbons – gasoline range organics (TPH-GRO)) by Environmental Protection Agency (EPA) Method 8015D and volatile organic compounds (VOCs) following EPA Method 8260B, as well as fixed gas analysis of oxygen and carbon dioxide following American Society for Testing and Materials (ASTM) Method D-1946. 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, 43,987 pounds (22 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 verify 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. Hilcorp will continue operating the SVE system until asymptotic conditions are observed. At that time, an evaluation of residual petroluem hydrocarbons will be assessed and further recommendations for remedial actions, if any, will be provided to NMOCD.

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 Daniel R. Moir, PG Senior Managing Geologist (303) 887-2946 dmoir@ensolum.com Hilcorp Energy Company First Quarter 2023 – Solar SVE System Update Bell Federal GC B#1



Attachments:

Figure 1 Site Location

Figure 2 SVE System Configuration

Table 1 Soil Vapor Extraction System Runtime Calculations

Table 2 Soil Vapor Extraction System Emissions Analytical Results
Table 3 Soil Vapor Extraction System Mass Removal and Emissions

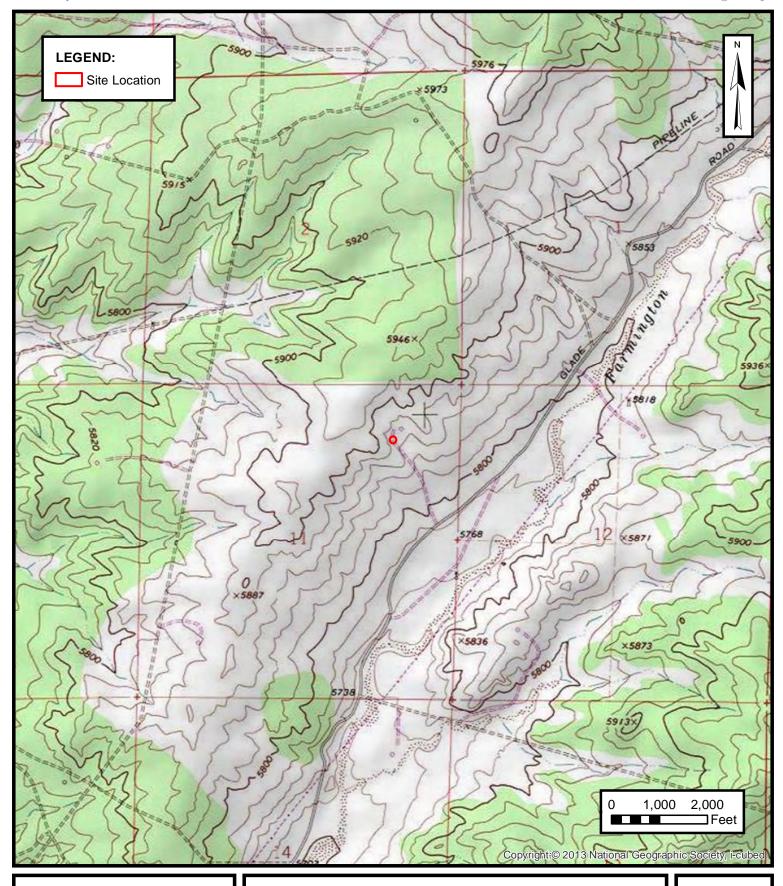
Appendix A Field Notes

Appendix B Project Photographs

Appendix C Laboratory Analytical Reports



FIGURES





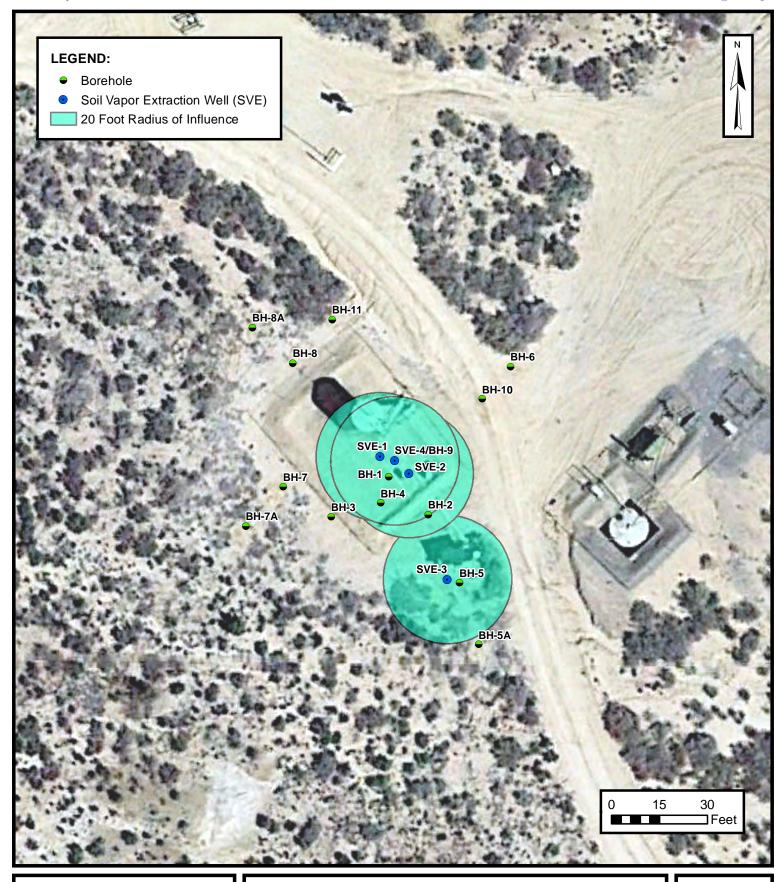
SITE LOCATION

HILCORP ENERGY COMPANY BELL FEDERAL GC B#1 San Juan County, New Mexico 36.832426° N, 108.167760° W

PROJECT NUMBER: 07A1988001

FIGURE

1





SVE SYSTEM CONFIGURATION

HILCORP ENERGY COMPANY BELL FEDERAL GC B#1 San Juan County, New Mexico 36.832426° N, 108.167760° W

PROJECT NUMBER: 07A1988001

FIGURE

2



TABLES



TABLE 1

SOIL VAPOR EXTRACTION SYSTEM RUNTIME CALCULATIONS

Hilcorp Energy Company - Bell Federal GC B#1
San Juan County, New Mexico

Ensolum Project No. 07A1988001

Date	Total Operational Hours	Delta Hours
12/7/2022	18,316.1	
3/9/2023	19,509.7	1,193.6

Time Period	December 8 to December 31, 2022	January 1 to January 31, 2023	· ·	March 1 to March 9, 2023
Days	23	31	28	9
Avg. Nominal Daylight Hours	9	10	10	11
Available Runtime Hours	207	310	280	99

Quarterly Available Daylight Runtime Hours
Quarterly Runtime Hours

Quarterly % Runtime 133.2%

896

1,193.6

Month	Days	Nominal Daylight Hours	Total Month Hours
January	31	10	310
February	28	10	280
March	31	11	341
April	30	12	360
May	31	13	403
June	30	14	420
July	31	14	434
August	31	13	403
September	30	12	360
October	31	11	341
November	30	10	300
December	31	9	279

Ensolum 1 of 1



TABLE 2

SOIL VAPOR EXTRACTION SYSTEM EMISSIONS ANALYTICAL RESULTS Hilcorp Energy Company - Bell Federal GC B#1 San Juan County, New Mexico

Ensolum Project No. 07A1988001

Date	Inlet PID (ppm)	Benzene (μg/L)	Toluene (μg/L)	Ethylbenzene (μg/L)	Total Xylenes (μg/L)	TVPH/GRO (μg/L)	Oxygen (%)	Carbon Dioxide (%)
1/24/2018	1,435	280	200	<5.0	38.0	30,000		
8/17/2018	1,873	160	380	21.0	320	18,000		
3/22/2019	1,607	490	920	24.0	480	NA		
6/18/2019	1,026	72.0	270	27.0	290	NA		
9/25/2019	1,762	220	480	21.0	440	35,000		
12/16/2019	1,902	130	840	21.0	220	22,000		
3/10/2020	1,171	120	380	19.0	330	31,000		
6/25/2020	978.0	180	430	25.0	480	45,000		
9/16/2020	1,766	186	433	18.0	497	32,100	18.2%	3.29%
12/8/2020	1,741	114	292	10.6	324	16,000	17.3%	4.45%
3/23/2021	1,252	45	86.3	2.3	95.4	7,930	20.2%	<0.500%
6/10/2021	165.8	8.5	20	<0.50	20.0	5,700	17.3%	2.21%
9/8/2021	NM	130	240	5.9	150	33,000		
12/15/2021	1,374	95	160	11.0	220	24,098	16.3%	3.32%
3/16/2022	1,096	53	120	<0.50	82	26,000	16.8%	3.01%
6/16/2022	708	24	69	<5.0	38	13,000	21.0%	0.82%
9/8/2022	545	50.2	129	4.99	612	10,500	17.7%	2.80%
12/7/2022	675	52	74	<5.00	35	13,000	17.0%	3.68%
3/9/2023	1,285	54	120	<2.5	54	15,000	16.9%	4.03%

Notes:

GRO: gasoline range hydrocarbons

μg/L: microgram per liter

PID: photoionization detector

ppm: parts per million

TVPH: total volatile petroleum hydrocarbons

%: percent

--: not sampled

<0.037: indicates result less than the stated laboratory reporting limit (RL)

Ensolum 1 of 1



TABLE 3
SOIL VAPOR EXTRACTION SYSTEM MASS REMOVAL AND EMISSIONS
Hilcorp Energy Company - Bell Federal GC B#1
San Juan County, New Mexico

Ensolum Project No. 07A1988001

Flow and L	_aboratory	Anal	ysis
------------	------------	------	------

Flow and Laboratory Analysis							
Date	Inlet PID (ppm)	Benzene (μg/L)	Toluene (μg/L)	Ethylbenzene (μg/L)	Total Xylenes (μg/L)	TVPH (μg/L)	
1/24/2018	1,435	280	200	5.0	38	30,000	
8/17/2018	1,873	160	380	21	320	18,000	
3/22/2019	1,607	490	920	24	480		
6/18/2019	1,026	72	270	27	290		
9/25/2019	1,762	220	480	21	440	35,000	
12/16/2019	1,902	130	840	21	220	22,000	
3/10/2020	1,171	120	380	19	330	31,000	
6/25/2020	978	180	430	25	480	45,000	
9/16/2020	1,766	186	433	18	497	32,100	
12/8/2020	1,741	114	292	11	324	16,000	
3/23/2021	1,252	45	86	2	95	7,930	
6/10/2021	166	9	20	0.50	20	5,700	
9/8/2021		130	240	6	150	33,000	
12/15/2021	1,374	95	160	11	220	24,098	
3/16/2022	1,096	53	120	0.50	82	26,000	
6/16/2022	708	24	69	5.00	38	13,000	
9/8/2022	545	50	129	4.99	612	10,500	
12/7/2022	675	52	74	5.00	35	13,000	
3/9/2023	1,285	54	120	2.50	54	15,000	
Average	1,242	130	297	12	249	22,196	

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)
1/24/2018	40	164,400	164,400	0.042	0.030	0.001	0.0057	4.5
8/17/2018	33	5,240,130	5,075,730	0.027	0.036	0.0016	0.022	3.0
3/22/2019	32	9,176,130	3,936,000	0.039	0.078	0.0027	0.048	-
6/18/2019	32	11,096,130	1,920,000	0.034	0.071	0.0031	0.046	
9/25/2019	33	13,610,730	2,514,600	0.018	0.046	0.0030	0.045	3.3
12/16/2019	32	15,513,450	1,902,720	0.021	0.079	0.0025	0.039	3.4
3/10/2020	29	17,246,490	1,733,040	0.014	0.066	0.0022	0.030	2.9
6/25/2020	29	19,123,950	1,877,460	0.016	0.044	0.0024	0.044	4.1
9/16/2020	31	20,825,850	1,701,900	0.021	0.050	0.0025	0.057	4.5
12/8/2020	30	22,049,850	1,224,000	0.017	0.041	0.0016	0.046	2.7
3/23/2021	30	23,122,650	1,072,800	0.0089	0.021	0.00073	0.024	1.3
6/10/2021	33	23,514,690	392,040	0.0033	0.0066	0.00017	0.0071	0.84
9/8/2021	33	23,831,490	316,800	0.0085	0.0160	0.00039	0.010	2.4
12/15/2021	33	26,136,210	2,304,720	0.014	0.025	0.0010	0.023	3.5
3/16/2022	33	27,701,202	1,564,992	0.0091	0.017	0.00071	0.019	3.1
6/16/2022	25	29,520,102	1,818,900	0.0036	0.009	0.00026	0.0056	1.8
9/8/2022	31	31,835,244	2,315,142	0.0043	0.011	0.00058	0.038	1.4
12/7/2022	29	34,162,320	2,327,076	0.0055	0.011	0.00054	0.035	1.3
3/9/2023	29	36,239,184	2,076,864	0.0057	0.011	0.00041	0.0048	1.5
		•	Average	0.016	0.035	0.001	0.029	2.7

Flow and Laboratory Analysis

Date	Total SVE System Hours	Delta Hours	Benzene (pounds)	Toluene (pounds)	Ethylbenzene (pounds)	Total Xylenes (pounds)	TVPH (pounds)	TVPH (tons)
1/24/2018	69	69	2.9	2.0	0.051	0.39	307	0.15
8/17/2018	2,632	2,564	70	92	4.1	57	7,593	3.8
3/22/2019	4,682	2,050	80	159	5.5	98	-	-
6/18/2019	5,682	1,000	33.6	71	3.1	46	-	
9/25/2019	6,952	1,270	23	59	3.8	57	4,154	2.1
12/16/2019	7,943	991	21	78	2.5	39	3,380	1.7
3/10/2020	8,939	996	14	66	2.2	30	2,863	1.4
6/25/2020	10,018	1,079	18	47	2.6	47	4,447	2.2
9/16/2020	10,933	915	19	46	2.3	52	4,090	2.0
12/8/2020	11,613	680	11.4	28	1.1	31	1,835	0.92
3/23/2021	12,209	596	5.3	12.6	0.43	14.0	800	0.40
6/10/2021	12,407	198	0.66	1.30	0.035	1.41	167	0.083
9/8/2021	12,567	160	1.4	2.6	0.06	1.7	382	0.19
12/15/2021	13,731	1,164	16	29	1.2	27	4,101	2.1
3/16/2022	14,521	790	7.2	14	0.561	14.7	2,444	1.2
6/16/2022	15,734	1,213	4.4	11	0.31	6.8	2,211	1.1
9/8/2022	16,979	1,245	5.4	14	0.72	46.9	1,696	0.8
12/7/2022	18,316	1,337	7.4	15	0.72	46.9	1,704	0.9
3/9/2023	19,510	1,194	6.9	13	0.49	5.8	1,812	0.9
	Total Ma	ss Recovery to Date	346	759	32	623	43,987	22

Notes:

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

gray: laboratory reporting limit used for calculating emissions



APPENDIX A

Field Notes

Received by OCD: 4/13/2023 3:22:43 PM

BELL FEDERAL GC B1 SVE SYSTEM BIWEEKLY O&M FORM

DATE: 1-12-23
TIME ONSITE:

O&M PERSONNEL: B S;ncla;
TIME OFFSITE:

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SVE SYSTEM - MONTHLY O&M

SVE ALARMS:

KO TANK HIGH LEVEL

			TIME	ER SETTINGS
SVE SYSTEM	DEADDIG		Month	Timer Setting
Blower Hours (take photo)	READING	TIME	January	8 AM to 7 PM
Pre K/O Vacuum (IWC)	18733.2	0934	February	8 AM to 7 PM
hermal Anemometer Flow (fpm)	1011	A KAMPAN AND A STATE OF THE STA	March	8 AM to 8 PM
Thermal Anemometer Temp (C)	1066		April	8 AM to 9 PM
Inlet PID	10.55		May	7 AM to 9 PM
Exhaust PID	8/0.9		June -	6 AM to 9 PM
Solar Panel Angle	910.5		July	6 AM to 9 PM
K/O Tank Drum Level			August	7 AM to 9 PM
K/O Liquid Drained (gallons)			September	8 AM to 9 PM
Timer Setting			October	8 AM to 8 PM
Heat Trace (on/off)			November	9 AM to 8 PM
Treat Trace (OID/OII)			December	8 AM to 6 PM

SVE SYSTEM - QUARTERLY SAMPLING

SAMPLE ID:
SAMPLE TIME:
TVPH (8015), VOCs (8260), Fixed Gas (CO/CO2/O2)

OPERATING WELLS

Change in Well Operation:

LOCATION	VACUUM (IWC)	PID HEADSPACE (PPM)	FLOW (CFM)	ADJUSTMENTS
SVE01				TESCUTIVILITY
SVE02	AND SAVERED TO SELECT THE SECOND SECOND			
SVE03		670 9		
SVE04		1158		

PRODUCT RECOVERY

LOCATION	DEPTH TO PRODUCT	DEPTH TO WATER	ECOVERED VOLUM	COMMENTS
SVE-1				
SVE-2RS			Linda Charles and American Company of the Company	Andreas Anna Contraction of the
SVE-4				
SVE-11S				
SVE-13S				
SVE-14S				

COMMENTS/OTHER MAINTENANCE:

·Did not conduct a site visit last week due to weather/road conditions.

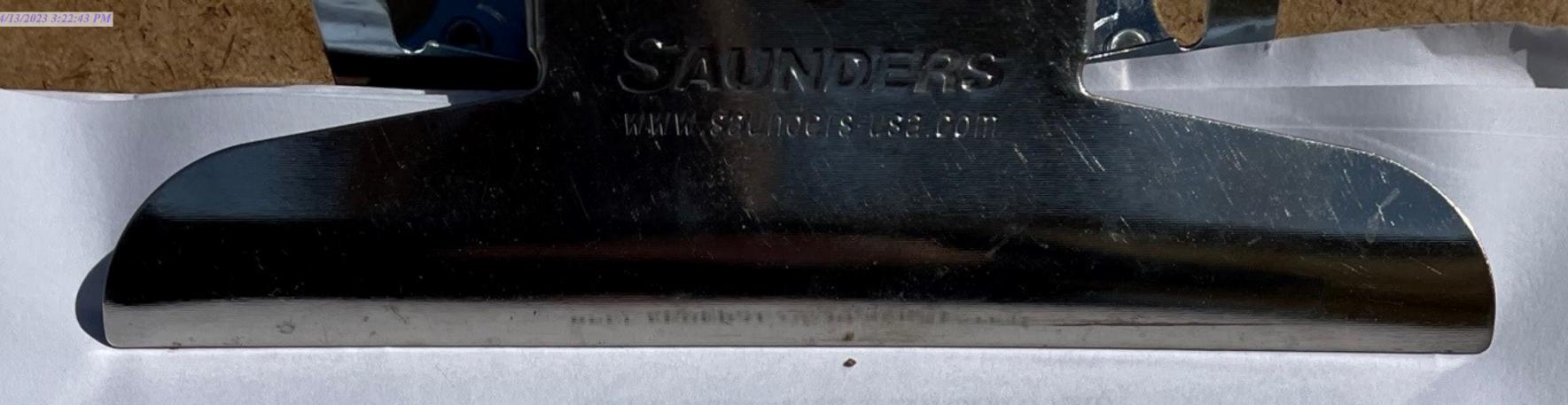
- · Drained ~ 1/29 of product from MW-3.
- · Insufficient Volume in MW-2.



BELL FEDERAL GC RI SV

Page 19 of 37

SVE SYSTEM - MONTE SVE SYSTEM READING TIME Blower Hours (take photo) Pre K/O Vacuum (IWC) Thermal Anemometer Flow (fpm) Pre K/O Vacuum (IWC) Thermal Anemometer Flow (fpm) Pre K/O Vacuum (IWC) Thermal Anemometer Temp (C) Pre K/O Vacuum (IWC) Inlet PID Pre K/O Vacuum (IWC) Sulet PID Pre K/O Vacuum (IWC) Inlet PID Pre K/O Vacuum (IWC) Solar Panel Angle K/O Tank Drum Level K/O Tank Drum Level K/O Liquid Drained (gallons) Timer Setting Heat Trace (on/off) SVE SYSTEM - QUARTERLY SAMPLE ID: Analytes: TVPH (8015), VOCs (8260), Fixed Gas (CO/CO2/O2) OPERATING WELLS Change in Well Operation: LOCATION VACUUM (IWC) PID HEADSPAC SVE01 SVE02 SVE03 SVE04 ODUCT RECOVERY	TIMER SETTINGS
SVE SYSTEM READING Blower Hours (take photo) Pre K/O Vacuum (IWC) Thermal Anemometer Flow (fpm) Thermal Anemometer Temp (C) Inlet PID Exhaust PID Solar Panel Angle K/O Tank Drum Level K/O Liquid Drained (gallons) Timer Setting Heat Trace (on/off) SVE SYSTEM - QUARTERLY SAMPLE ID: Analytes: TVPH (8015), VOCs (8260), Fixed Gas (CO/CO2/O2) OPERATING WELLS Change in Well Operation: LOCATION VACUUM (IWC) PID HEADSPACE SVE02 SVE03 SVE04	TIMER SETTINGS
SVE SYSTEM Blower Hours (take photo) Pre K/O Vacuum (IWC) Thermal Anemometer Flow (fpm) Thermal Anemometer Temp (C) Inlet PID Exhaust PID Solar Panel Angle K/O Tank Drum Level K/O Liquid Drained (gallons) Timer Setting Heat Trace (on/off) SVE SYSTEM - QUARTERLY SAMPLE ID: Analytes: TVPH (8015), VOCs (8260), Fixed Gas (CO/CO2/O2) OPERATING WELLS Change in Well Operation: LOCATION VACUUM (IWC) PID HEADSPACE SVE01 SVE02 SVE03 SVE04	January 8 AM to 7 II
Blower Hours (take photo) Pre K/O Vacuum (IWC) Thermal Anemometer Flow (fpm) Thermal Anemometer Temp (C) Inlet PID Exhaust PID Solar Panel Angle K/O Tank Drum Level K/O Liquid Drained (gallons) Timer Setting Heat Trace (on/off) SVE SYSTEM - QUARTERLY SAMPLE ID: Analytes: TVPH (8015), VOCs (8260), Fixed Gas (CO/CO2/O2) Change in Well Operation: LOCATION VACUUM (IWC) PID HEADSPACE SVE03 SVE03 SVE04	January 8 AM to 7 II
Blower Hours (take photo) Pre K/O Vacuum (IWC) Thermal Anemometer Flow (fpm) Thermal Anemometer Temp (C) Inlet PID Exhaust PID Solar Panel Angle K/O Tank Drum Level K/O Liquid Drained (gallons) Timer Setting Heat Trace (on/off) SVE SYSTEM - QUARTERLY SAMPLE ID: Analytes: TVPH (8015), VOCs (8260), Fixed Gas (CO/CO2/O2) Change in Well Operation: LOCATION VACUUM (IWC) PID HEADSPACE SVE03 SVE03 SVE04	January 8 AM to 7 II
Pre K/O Vacuum (IWC) Pre K/O Vacuum (IWC) Thermal Anemometer Flow (fpm) Thermal Anemometer Temp (C) Inlet PID Exhaust PID Solar Panel Angle K/O Tank Drum Level K/O Liquid Drained (gallons) Timer Setting Heat Trace (on/off) SVE SYSTEM - QUARTERLY SAMPLE ID: Analytes: TVPH (8015), VOCs (8260), Fixed Gas (CO/CO2/O2) OPERATING WELLS Change in Well Operation: LOCATION VACUUM (IWC) PID HEADSPACE SVE02 SVE03 SVE03 SVE04	January 8 AM to 7 I
Thermal Anemometer Flow (fpm) Thermal Anemometer Flow (fpm) Thermal Anemometer Temp (C) Inlet PID Exhaust PID Solar Panel Angle K/O Tank Drum Level K/O Liquid Drained (gallons) Timer Setting Heat Trace (on/off) SVE SYSTEM - QUARTERLY SAMPLE ID: Analytes: TVPH (8015), VOCs (8260), Fixed Gas (CO/CO2/O2) OPERATING WELLS Change in Well Operation: LOCATION VACUUM (IWC) PID HEADSPACE SVE02 SVE03 SVE03 SVE04	February
Thermal Anemometer Flow (fpm) Thermal Anemometer Temp (C) Inlet PID Exhaust PID Solar Panel Angle K/O Tank Drum Level K/O Liquid Drained (gallons) Timer Setting Heat Trace (on/off) SVE SYSTEM - QUARTERLY SAMPLE ID: Analytes: TVPH (8015), VOCs (8260), Fixed Gas (CO/CO2/O2) OPERATING WELLS Change in Well Operation: LOCATION VACUUM (IWC) PID HEADSPACE SVE01 SVE02 SVE03 SVE04 SVE04	March 8 AM to 8 F April 8 AM to 9 F May 7 AM to 9 F June 6 AM to 9 F July 6 AM to 9 F August 7 AM to 9 F September 8 AM to 9 F October 8 AM to 8 P November 9 AM to 8 P December 8 AM to 6 P
Inermal Anemometer Temp (C) Inlet PID Exhaust PID Solar Panel Angle K/O Tank Drum Level K/O Liquid Drained (gallons) Timer Setting Heat Trace (on/off) SVE SYSTEM - QUARTERLY SAMPLE ID: Analytes: TVPH (8015), VOCs (8260), Fixed Gas (CO/CO2/O2) OPERATING WELLS Change in Well Operation: LOCATION VACUUM (IWC) PID HEADSPACE SVE01 SVE02 SVE03 SVE04 7 1 4.	April 8 AM to 9 F May 7 AM to 9 F June 6 AM to 9 F July 6 AM to 9 F August 7 AM to 9 F September 8 AM to 9 F October 8 AM to 8 F November 9 AM to 8 F December 8 AM to 6 F
Inlet PID Exhaust PID Solar Panel Angle K/O Tank Drum Level K/O Liquid Drained (gallons) Timer Setting Heat Trace (on/off) SVE SYSTEM - QUARTERLY SAMPLE ID: Analytes: TVPH (8015), VOCs (8260), Fixed Gas (CO/CO2/O2) Change in Well Operation: LOCATION SVE01 SVE02 SVE03 SVE04 VACUUM (IWC) PID HEADSPACE PID H	May 7 AM to 9 F June 6 AM to 9 F July 6 AM to 9 F August 7 AM to 9 F September 8 AM to 9 F October 8 AM to 8 F November 9 AM to 8 F December 8 AM to 6 F
Exhaust PID Solar Panel Angle K/O Tank Drum Level K/O Liquid Drained (gallons) Timer Setting Heat Trace (on/off) SVE SYSTEM - QUARTERLY SAMPLE ID: Analytes: TVPH (8015), VOCs (8260), Fixed Gas (CO/CO2/O2) Change in Well Operation: LOCATION VACUUM (IWC) PID HEADSPACE SVE01 SVE02 SVE03 SVE04 7 1 4. SVE04	July 6 AM to 9 P August 7 AM to 9 P September 8 AM to 9 P October 8 AM to 8 P November 9 AM to 8 P December 8 AM to 6 P
Solar Panel Angle K/O Tank Drum Level K/O Liquid Drained (gallons) Timer Setting Heat Trace (on/off) SVE SYSTEM - QUARTERLY SAMPLE ID: Analytes: TVPH (8015), VOCs (8260), Fixed Gas (CO/CO2/O2) OPERATING WELLS Change in Well Operation: LOCATION VACUUM (IWC) PID HEADSPACE SVE01 SVE02 SVE03 SVE04 7 1 4 SVE04	July 6 AM to 9 P August 7 AM to 9 P September 8 AM to 9 P October 8 AM to 8 P November 9 AM to 8 P December 8 AM to 6 P
K/O Tank Drum Level K/O Liquid Drained (gallons) Timer Setting Heat Trace (on/off) SVE SYSTEM - QUARTERLY SAMPLE ID: Analytes: TVPH (8015), VOCs (8260), Fixed Gas (CO/CO2/O2) OPERATING WELLS Change in Well Operation: LOCATION VACUUM (IWC) PID HEADSPACE SVE01 SVE02 SVE03 SVE04 7 [4] SVE04	August 7 AM to 9 P September 8 AM to 9 P October 8 AM to 8 P November 9 AM to 8 P December 8 AM to 6 P
K/O Liquid Drained (gallons) Timer Setting Heat Trace (on/off) SVE SYSTEM - QUARTERLY SAMPLE ID: Analytes: TVPH (8015), VOCs (8260), Fixed Gas (CO/CO2/O2) OPERATING WELLS Change in Well Operation: LOCATION VACUUM (IWC) PID HEADSPACE SVE01 SVE02 SVE03 SVE04 7 [4] SVE04	September 8 AM to 9 P October 8 AM to 8 P November 9 AM to 8 P December 8 AM to 6 P
Timer Setting Heat Trace (on/off) SVE SYSTEM - QUARTERLY SAMPLE ID: Analytes: TVPH (8015), VOCs (8260), Fixed Gas (CO/CO2/O2) Change in Well Operation: LOCATION VACUUM (IWC) SVE01 SVE02 SVE03 SVE04 7 1 9. SVE04	October 8 AM to 8 P November 9 AM to 8 P December 8 AM to 6 P
SVE SYSTEM - QUARTERLY SAMPLE ID: Analytes: TVPH (8015), VOCs (8260), Fixed Gas (CO/CO2/O2) Change in Well Operation: LOCATION SVE01 SVE02 SVE03 SVE04 SVE04 SVE04 SVE SYSTEM - QUARTERLY SAMP TVPH (8015), VOCs (8260), Fixed Gas (CO/CO2/O2) TVPH (8015), VOCs (8260), Fixed Gas (CO/CO2/O2) SVE01 SVE01 SVE02 SVE03 SVE03 SVE04	November 9 AM to 8 P December 8 AM to 6 P
SVE SYSTEM - QUARTERLY SAMPLE ID: Analytes: TVPH (8015), VOCs (8260), Fixed Gas (CO/CO2/O2) Change in Well Operation: LOCATION VACUUM (IWC) PID HEADSPACE SVE01 SVE02 SVE03 SVE04 7 1 4 SVE04	December 8 AM to 6 P
Analytes: TVPH (8015), VOCs (8260), Fixed Gas (CO/CO2/O2) Change in Well Operation: LOCATION VACUUM (IWC) PID HEADSPACE SVE01 SVE02 SVE03 SVE04 7 1 4 SVE04	LING
SVE01 SVE02 SVE03 SVE04 7 1 4 2 8 6	
SVE02 SVE03 SVE04 714 286	ADJUSTMENTS
SVE03 SVE04 714 286	
SVE04 286.	
206.	
DDUCT RECOVERY	
LOCATION DEPTH TO PRODUCE DEPTH TO WE	
LOCATION DEPTH TO PRODUCT DEPTH TO WAR	ECOVERED VOLUM COMMENT
SVE-1 SVE-2RS	
SVE-4	
SVE-11S	
SVE-13S	
SVE-14S	
IMENTS/OTHER MAINTENANCE:	



SVE SYSTEM - MONTHLY O&M

DATE: 2-2-23 TIME ONSITE:	O&M PERSONNEL: _ TIME OFFSITE: _	B	5	incla	iv
---------------------------	-------------------------------------	---	---	-------	----

SVE ALARMS:		KO TANK HIGH LEVEL		
			TIMI	ER SETTINGS
SVE SYSTEM	DEADDIG		Month	Timer Setting
Blower Hours (take photo)	READING	TIME	January	8 AM to 7 PM
Pre K/O Vacuum (IWC)	19011.3	1426	February	8 AM to 7 PM
Thermal Anemometer Flow (fpm)	21		March	8 AM to 8 PM
Thermal Anemometer Temp (C)	89.96		April	8 AM to 9 PM
CONTROL PURCH STORY OF THE PROPERTY OF THE PRO	13.55		May	7 AM to 9 PM
Inlet PID	676.4		June	6 AM to 9 PM
Exhaust PID	694.3		July	6 AM to 9 PM
Solar Panel Angle			August	7 AM to 9 PM
K/O Liquid Drained (a-11-)			September	8 AM to 9 PM
K/O Liquid Drained (gallons)			October	8 AM to 8 PM
Timer Setting			November	9 AM to 8 PM
Heat Trace (on/off)			December	8 AM to 6 PM

SAMPLE ID:	SAMPLE TIME:	
Analytes:	TVPH (8015), VOCs (8260), Fixed Gas (CO/CO2/O2)	
OPERATING WELLS		DAL DIAMETERS (1 TO S)

Change in Well Operation:

LOCATION	VACUUM (IWC)	PID HEADSPACE (PPM)	ADJUSTMENTS
SVE01			
SVE02			The state of the s
SVE03		74z.4	
SVE04		139.3	

PRODUCT RECOVERY

LOCATION	DEPTH TO PRODUCT	DEPTH TO WATER	ECOVERED VOLUM	COMMENTS
SVE-1				
SVE-2RS				
SVE-4				
SVE-11S	THE STANDARD REPORT OF THE PARTY OF THE PART			
SVE-13S			File of the State	
SVE-14S				

COMMENTS/OTHER MAINTENANCE:



DATE 2 - 2 0		0	0	. 1	
DATE: 2-28	O&M PERSONNEL:	D	2	ncla	18
TIME ONSITE:	TIME OFFSITE:				

	SVE	SYSTEM - MONTHLY O&N	М	
SVE ALARMS:		KO TANK HIGH LEVEL		
			TIM	ER SETTINGS
			Month	Timer Setting
SVE SYSTEM	READING	TIME	January	8 AM to 7 PM
Blower Hours (take photo)	19379,9	1101	February	8 AM to 7 PM
Pre K/O Vacuum (IWC)	'22		March	8 AM to 8 PM
Thermal Anemometer Flow (fpm)	901.9		April	8 AM to 9 PM
Thermal Anemometer Temp (C)	11.95		May	7 AM to 9 PM
Inlet PID	1626		June	6 AM to 9 PM
Exhaust PID	1718		July	6 AM to 9 PM
Solar Panel Angle			August	7 AM to 9 PM
K/O Tank Drum Level			September	8 AM to 9 PM
K/O Liquid Drained (gallons)			October	8 AM to 8 PM
Timer Setting			November	9 AM to 8 PM
Heat Trace (on/off)			December	8 AM to 6 PM

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

Change in Well Operation:

LOCATION	VACUUM (IWC)	PID HEADSPACE (PPM)	ADJUSTMENTS
SVE01			
SVE02			
SVE03		1003	
SVE04		2570	

PRODUCT RECOVERY

LOCATION	DEPTH TO PRODUCT	DEPTH TO WATER	ECOVERED VOLUM	COMMENTS
SVE-1				
SVE-2RS				
SVE-4		CANADA PARA PARA PARA PARA PARA PARA PARA P		
SVE-11S				
SVE-13S	A DESCRIPTION OF THE PARTY OF T			
SVE-14S				

COMMENTS/OTHER MAINTENANCE:

Prained 149 of LNAPL from SVE-03. Insufficient volume in SVE-02 to purge.

DATE: 3-9	O&M PERSONNEL: B 5 inc	lair
TIME ONSITE:	TIME OFFSITE:	

SVE ALARMS:	The state of the s	KO TANK HIGH LEVEL		
			TIM	MER SETTINGS
			Month	Timer Setting
SVE SYSTEM	READING	TIME	January	8 AM to 7 PM
Blower Hours (take photo)	19509,7	1357	February	8 AM to 7 PM
Pre K/O Vacuum (IWC)	21		March	8 AM to 8 PM
hermal Anemometer Flow (fpm)	885.2		April	8 AM to 9 PM
Thermal Anemometer Temp (C)	12.35		May	7 AM to 9 PM
Inlet PID	1285		June	6 AM to 9 PM
Exhaust PID	1519	Maria Carlo Control of the Carlo Car	July	6 AM to 9 PM
Solar Panel Angle			August	7 AM to 9 PM
K/O Tank Drum Level			September	8 AM to 9 PM
K/O Liquid Drained (gallons)			October	8 AM to 8 PM
Timer Setting			November	9 AM to 8 PM
Heat Trace (on/off)			December	8 AM to 6 PM
	SVE SYSTE	EM - QUARTERLY SAMPI	LING	
SAMPLE ID:		SAMPLE TIMI		
Analytes: TVP	H (8015), VOCs (8260), Fixed	Gas (CO/CO2/O2)		
OPERATING WELLS				

OT EIGHT WEELD								
Change in Well Operation:								
LOCATION	VACUUM (IWC)	PID HEADSPACE (PPM)	ADJUSTMENTS					
SVE01								
SVE02								
SVE03		1047						
SVE04		7477						

PRODUCT RECOVERY				
LOCATION	DEPTH TO PRODUCT	DEPTH TO WATER	ECOVERED VOLUM	COMMENTS
SVE-1				
SVE-2RS				
SVE-4				
SVE-11S				
SVE-13S				
SVE-14S				

COMMENTS/OTHER MAINTENANCE:	

	SVE S	SYSTEM - MONTHLY O&M					
SVE ALARMS:							
			TIME	R SETTINGS			
OVER	Month						
SVE SYSTEM	READING	TIME	January	8 AM to 7 PM			
Blower Hours (take photo)	19707.3	1217	February	8 AM to 7 PM			
Pre K/O Vacuum (TWC)	22	The state of the s	March	8 AM to 8 PM			
hermal Anemometer Flow (fpm)	335	A CONTRACTOR OF THE CONTRACTOR	April	8 AM to 9 PM			
Thermal Anemometer Temp (C)	135		May	7 AM to 9 PM			
Inlet PID	1383		June	6 AM to 9 PM			
Exhaust PID	1216	Property of the second	July	6 AM to 9 PM			
Solar Panel Angle			August	7 AM to 9 PM			
K/O Tank Drum Level			September	8 AM to 9 PM			
K/O Liquid Drained (gallons)			October	8 AM to 8 PM			
Timer Setting			November	9 AM to 8 PM			
Heat Trace (on/off)			December	8 AM to 6 PM			
	SVE SYST	TEM - QUARTERLY SAMPLI					
SAMPLE ID:		SAMPLE TIME:					
	TVPH (8015), VOCs (8260), Fixe						
OPERATING WELLS	ΓVPH (8015), VOCs (8260), Fixe						
	ΓVPH (8015), VOCs (8260), Fixe						
OPERATING WELLS	VACUUM (IWC)		ADJUSTMENTS				
OPERATING WELLS Change in Well Operation:		ed Gas (CO/CO2/O2)					
Change in Well Operation: LOCATION SVE01		PID HEADSPACE (PPM)					
Change in Well Operation: LOCATION SVE01 SVE02		PID HEADSPACE (PPM)					
Change in Well Operation: LOCATION SVE01		PID HEADSPACE (PPM)					
Change in Well Operation: LOCATION SVE01 SVE02 SVE03 SVE04	VACUUM (IWC)	PID HEADSPACE (PPM) 1229 2153	ADJUSTMENTS				
Change in Well Operation: LOCATION SVE01 SVE02 SVE03 SVE04 CODUCT RECOVERY		PID HEADSPACE (PPM)		COMMENTS			
Change in Well Operation: LOCATION SVE01 SVE02 SVE03 SVE04 CODUCT RECOVERY LOCATION	VACUUM (IWC)	PID HEADSPACE (PPM) 1229 2153	ADJUSTMENTS	COMMENTS			
Change in Well Operation: LOCATION SVE01 SVE02 SVE03 SVE04 CODUCT RECOVERY LOCATION SVE-1	VACUUM (IWC)	PID HEADSPACE (PPM) 1229 2153	ADJUSTMENTS	COMMENTS			
Change in Well Operation: LOCATION SVE01 SVE02 SVE03 SVE04 CODUCT RECOVERY LOCATION SVE-1 SVE-2RS	VACUUM (IWC)	PID HEADSPACE (PPM) 1229 2153	ADJUSTMENTS	COMMENTS			
Change in Well Operation: LOCATION SVE01 SVE02 SVE03 SVE04 CODUCT RECOVERY LOCATION SVE-1 SVE-2RS SVE-4	VACUUM (IWC)	PID HEADSPACE (PPM) 1229 2153	ADJUSTMENTS	COMMENTS			
Change in Well Operation: LOCATION SVE01 SVE02 SVE03 SVE04 CODUCT RECOVERY LOCATION SVE-1 SVE-2RS SVE-4 SVE-11S	VACUUM (IWC)	PID HEADSPACE (PPM) 1229 2153	ADJUSTMENTS	COMMENTS			
Change in Well Operation: LOCATION SVE01 SVE02 SVE03 SVE04 CODUCT RECOVERY LOCATION SVE-1 SVE-2RS SVE-4 SVE-11S SVE-13S	VACUUM (IWC)	PID HEADSPACE (PPM) 1229 2153	ADJUSTMENTS	COMMENTS			
Change in Well Operation: LOCATION SVE01 SVE02 SVE03 SVE04 CODUCT RECOVERY LOCATION SVE-1 SVE-2RS SVE-4 SVE-11S	VACUUM (IWC)	PID HEADSPACE (PPM) 1229 2153	ADJUSTMENTS	COMMENTS			
Change in Well Operation: LOCATION SVE01 SVE02 SVE03 SVE04 CODUCT RECOVERY LOCATION SVE-1 SVE-1 SVE-2RS SVE-4 SVE-11S SVE-13S SVE-14S	VACUUM (IWC) DEPTH TO PRODUCT	PID HEADSPACE (PPM) 1229 2153	ADJUSTMENTS	COMMENTS			
Change in Well Operation: LOCATION SVE01 SVE02 SVE03 SVE04 CODUCT RECOVERY LOCATION SVE-1 SVE-1 SVE-2RS SVE-4 SVE-11S SVE-13S SVE-14S	VACUUM (IWC) DEPTH TO PRODUCT	PID HEADSPACE (PPM) 1229 2153	ADJUSTMENTS	COMMENTS			
Change in Well Operation: LOCATION SVE01 SVE02 SVE03 SVE04 CODUCT RECOVERY LOCATION SVE-1 SVE-2RS SVE-4 SVE-11S SVE-13S	VACUUM (IWC) DEPTH TO PRODUCT	PID HEADSPACE (PPM) 1229 2153	ADJUSTMENTS	COMMENTS			
Change in Well Operation: LOCATION SVE01 SVE02 SVE03 SVE04 CODUCT RECOVERY LOCATION SVE-1 SVE-1 SVE-2RS SVE-4 SVE-11S SVE-13S SVE-14S	VACUUM (IWC) DEPTH TO PRODUCT	PID HEADSPACE (PPM) 1229 2153	ADJUSTMENTS	COMMENTS			
Change in Well Operation: LOCATION SVE01 SVE02 SVE03 SVE04 CODUCT RECOVERY LOCATION SVE-1 SVE-1 SVE-2RS SVE-4 SVE-11S SVE-13S SVE-14S	VACUUM (IWC) DEPTH TO PRODUCT	PID HEADSPACE (PPM) 1229 2153	ADJUSTMENTS	COMMENTS			

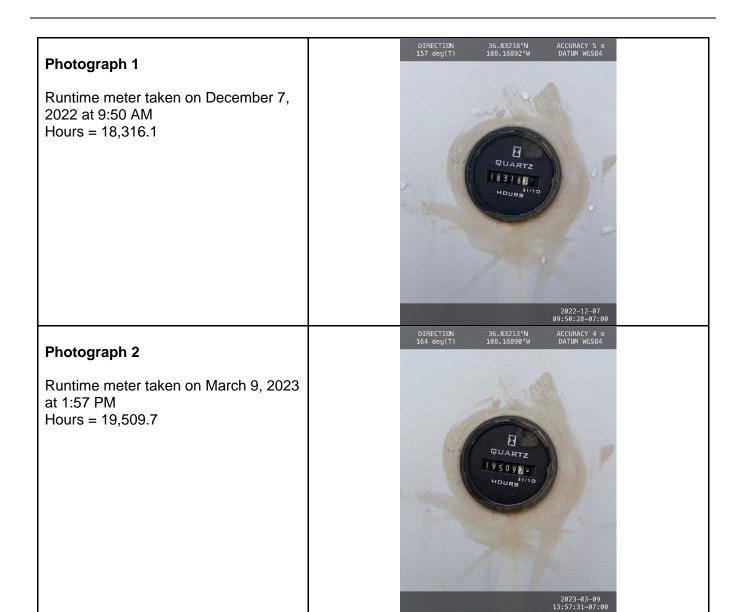


APPENDIX B

Project Photographs

PROJECT PHOTOGRAPHS

Bell Federal GC B#1 San Juan County, New Mexico Hilcorp Energy Company





APPENDIX C

Laboratory Analytical Reports



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

March 27, 2023

Mitch Killough
HILCORP ENERGY
PO Box 4700
Farmington, NM 87499

TEL: (505) 564-0733

FAX

RE: Bell Fed GC B1 OrderNo.: 2303593

Dear Mitch Killough:

Hall Environmental Analysis Laboratory received 1 sample(s) on 3/10/2023 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

CLIENT: HILCORP ENERGY

Analytical Report

Lab Order **2303593**Date Reported: **3/27/2023**

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: SVE-1

 Project:
 Bell Fed GC B1
 Collection Date: 3/9/2023 2:00:00 PM

 Lab ID:
 2303593-001
 Matrix: AIR
 Received Date: 3/10/2023 7:10:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES					Analyst: CCM
Benzene	54	2.5	μg/L	25	3/16/2023 5:45:00 PM
Toluene	120	2.5	μg/L	25	3/16/2023 5:45:00 PM
Ethylbenzene	ND	2.5	μg/L	25	3/16/2023 5:45:00 PM
Methyl tert-butyl ether (MTBE)	ND	2.5	μg/L	25	3/16/2023 5:45:00 PM
1,2,4-Trimethylbenzene	ND	2.5	μg/L	25	3/16/2023 5:45:00 PM
1,3,5-Trimethylbenzene	ND	2.5	μg/L	25	3/16/2023 5:45:00 PM
1,2-Dichloroethane (EDC)	ND	2.5	μg/L	25	3/16/2023 5:45:00 PM
1,2-Dibromoethane (EDB)	ND	2.5	μg/L	25	3/16/2023 5:45:00 PM
Naphthalene	ND	5.0	μg/L	25	3/16/2023 5:45:00 PM
1-Methylnaphthalene	ND	10	μg/L	25	3/16/2023 5:45:00 PM
2-Methylnaphthalene	ND	10	μg/L	25	3/16/2023 5:45:00 PM
Acetone	ND	25	μg/L	25	3/16/2023 5:45:00 PM
Bromobenzene	ND	2.5	μg/L	25	3/16/2023 5:45:00 PM
Bromodichloromethane	ND	2.5	μg/L	25	3/16/2023 5:45:00 PM
Bromoform	ND	2.5	μg/L	25	3/16/2023 5:45:00 PM
Bromomethane	ND	5.0	μg/L	25	3/16/2023 5:45:00 PM
2-Butanone	ND	25	μg/L	25	3/16/2023 5:45:00 PM
Carbon disulfide	ND	25	μg/L	25	3/16/2023 5:45:00 PM
Carbon tetrachloride	ND	2.5	μg/L	25	3/16/2023 5:45:00 PM
Chlorobenzene	ND	2.5	μg/L	25	3/16/2023 5:45:00 PM
Chloroethane	ND	5.0	μg/L	25	3/16/2023 5:45:00 PM
Chloroform	ND	2.5	μg/L	25	3/16/2023 5:45:00 PM
Chloromethane	ND	2.5	μg/L	25	3/16/2023 5:45:00 PM
2-Chlorotoluene	ND	2.5	μg/L	25	3/16/2023 5:45:00 PM
4-Chlorotoluene	ND	2.5	μg/L	25	3/16/2023 5:45:00 PM
cis-1,2-DCE	ND	2.5	μg/L	25	3/16/2023 5:45:00 PM
cis-1,3-Dichloropropene	ND	2.5	μg/L	25	3/16/2023 5:45:00 PM
1,2-Dibromo-3-chloropropane	ND	5.0	μg/L	25	3/16/2023 5:45:00 PM
Dibromochloromethane	ND	2.5	μg/L	25	3/16/2023 5:45:00 PM
Dibromomethane	ND	5.0	μg/L	25	3/16/2023 5:45:00 PM
1,2-Dichlorobenzene	ND	2.5	μg/L	25	3/16/2023 5:45:00 PM
1,3-Dichlorobenzene	ND	2.5	μg/L	25	3/16/2023 5:45:00 PM
1,4-Dichlorobenzene	ND	2.5	μg/L	25	3/16/2023 5:45:00 PM
Dichlorodifluoromethane	ND	2.5	μg/L	25	3/16/2023 5:45:00 PM
1,1-Dichloroethane	ND	2.5	μg/L	25	3/16/2023 5:45:00 PM
1,1-Dichloroethene	ND	2.5	μg/L	25	3/16/2023 5:45:00 PM
1,2-Dichloropropane	ND	2.5	μg/L	25	3/16/2023 5:45:00 PM
1,3-Dichloropropane	ND	2.5	μg/L	25	3/16/2023 5:45:00 PM
2,2-Dichloropropane	ND	2.5	μg/L	25	3/16/2023 5:45:00 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 2

Analytical Report Lab Order 2303593

Date Reported: 3/27/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: HILCORP ENERGY Client Sample ID: SVE-1

 Project:
 Bell Fed GC B1
 Collection Date: 3/9/2023 2:00:00 PM

 Lab ID:
 2303593-001
 Matrix: AIR
 Received Date: 3/10/2023 7:10:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES					Analyst: CCM
1,1-Dichloropropene	ND	2.5	μg/L	25	3/16/2023 5:45:00 PM
Hexachlorobutadiene	ND	2.5	μg/L	25	3/16/2023 5:45:00 PM
2-Hexanone	ND	25	μg/L	25	3/16/2023 5:45:00 PM
Isopropylbenzene	ND	2.5	μg/L	25	3/16/2023 5:45:00 PM
4-Isopropyltoluene	ND	2.5	μg/L	25	3/16/2023 5:45:00 PM
4-Methyl-2-pentanone	ND	25	μg/L	25	3/16/2023 5:45:00 PM
Methylene chloride	ND	7.5	μg/L	25	3/16/2023 5:45:00 PM
n-Butylbenzene	ND	7.5	μg/L	25	3/16/2023 5:45:00 PM
n-Propylbenzene	ND	2.5	μg/L	25	3/16/2023 5:45:00 PM
sec-Butylbenzene	ND	2.5	μg/L	25	3/16/2023 5:45:00 PM
Styrene	ND	2.5	μg/L	25	3/16/2023 5:45:00 PM
tert-Butylbenzene	ND	2.5	μg/L	25	3/16/2023 5:45:00 PM
1,1,1,2-Tetrachloroethane	ND	2.5	μg/L	25	3/16/2023 5:45:00 PM
1,1,2,2-Tetrachloroethane	ND	2.5	μg/L	25	3/16/2023 5:45:00 PM
Tetrachloroethene (PCE)	ND	2.5	μg/L	25	3/16/2023 5:45:00 PM
trans-1,2-DCE	ND	2.5	μg/L	25	3/16/2023 5:45:00 PM
trans-1,3-Dichloropropene	ND	2.5	μg/L	25	3/16/2023 5:45:00 PM
1,2,3-Trichlorobenzene	ND	2.5	μg/L	25	3/16/2023 5:45:00 PM
1,2,4-Trichlorobenzene	ND	2.5	μg/L	25	3/16/2023 5:45:00 PM
1,1,1-Trichloroethane	ND	2.5	μg/L	25	3/16/2023 5:45:00 PM
1,1,2-Trichloroethane	ND	2.5	μg/L	25	3/16/2023 5:45:00 PM
Trichloroethene (TCE)	ND	2.5	μg/L	25	3/16/2023 5:45:00 PM
Trichlorofluoromethane	ND	2.5	μg/L	25	3/16/2023 5:45:00 PM
1,2,3-Trichloropropane	ND	5.0	μg/L	25	3/16/2023 5:45:00 PM
Vinyl chloride	ND	2.5	μg/L	25	3/16/2023 5:45:00 PM
Xylenes, Total	54	3.8	μg/L	25	3/16/2023 5:45:00 PM
Surr: Dibromofluoromethane	94.2	70-130	%Rec	25	3/16/2023 5:45:00 PM
Surr: 1,2-Dichloroethane-d4	84.3	70-130	%Rec	25	3/16/2023 5:45:00 PM
Surr: Toluene-d8	119	70-130	%Rec	25	3/16/2023 5:45:00 PM
Surr: 4-Bromofluorobenzene	96.1	70-130	%Rec	25	3/16/2023 5:45:00 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: CCM
Gasoline Range Organics (GRO)	15000	120	μg/L	25	3/16/2023 5:45:00 PM
Surr: BFB	101	70-130	%Rec	25	3/16/2023 5:45:00 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
- $ND \qquad Not \ Detected \ at \ the \ Reporting \ Limit$
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

ple pH Not In Range Page 2 of 2

ANALYTICAL SUMMARY REPORT

March 24, 2023

Hall Environmental 4901 Hawkins St NE Ste D Albuquerque, NM 87109-4372

Work Order:

B23030909

Quote ID: B15626

Project Name:

Not Indicated

Energy Laboratories Inc Billings MT received the following 1 sample for Hall Environmental on 3/14/2023 for analysis.

Lab ID	Client Sample ID	Collect Date Receive Date	Matrix	Test
B23030909-001	2303593-001B, SVE-1	03/09/23 14:00 03/14/23	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 **Report Date:** 03/24/23 Project: Not Indicated Collection Date: 03/09/23 14:00 Lab ID: B23030909-001 DateReceived: 03/14/23 Client Sample ID: 2303593-001B, SVE-1 Matrix: Air

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
GAS CHROMATOGRAPHY ANALYSIS	REPORT						
Oxygen	16.88	Mol %		0.01		GPA 2261-95	03/15/23 09:51 / ikc
Nitrogen	78.44	Mol %		0.01		GPA 2261-95	03/15/23 09:51 / ikc
Carbon Dioxide	4.03	Mol %		0.01		GPA 2261-95	03/15/23 09:51 / ikc
Hydrogen Sulfide	<0.01	Mol %		0.01		GPA 2261-95	03/15/23 09:51 / ikc
Methane	< 0.01	Mol %		0.01		GPA 2261-95	03/15/23 09:51 / ikc
Ethane	< 0.01	Mol %		0.01		GPA 2261-95	03/15/23 09:51 / ikc
Propane	< 0.01	Mol %		0.01		GPA 2261-95	03/15/23 09:51 / ikc
Isobutane	< 0.01	Mol %		0.01		GPA 2261-95	03/15/23 09:51 / ikc
n-Butane	< 0.01	Mol %		0.01		GPA 2261-95	03/15/23 09:51 / ikc
Isopentane	< 0.01	Mol %		0.01		GPA 2261-95	03/15/23 09:51 / ikc
n-Pentane	< 0.01	Mol %		0.01		GPA 2261-95	03/15/23 09:51 / ikc
Hexanes plus	0.65	Mol %		0.01		GPA 2261-95	03/15/23 09:51 / ikc
Propane	< 0.001	gpm		0.001		GPA 2261-95	03/15/23 09:51 / ikc
Isobutane	< 0.001	gpm		0.001		GPA 2261-95	03/15/23 09:51 / ikc
n-Butane	< 0.001	gpm		0.001		GPA 2261-95	03/15/23 09:51 / ikc
Isopentane	< 0.001	gpm		0.001		GPA 2261-95	03/15/23 09:51 / ikc
n-Pentane	< 0.001	gpm		0.001		GPA 2261-95	03/15/23 09:51 / ikc
Hexanes plus	0.274	gpm		0.001		GPA 2261-95	03/15/23 09:51 / ikc
GPM Total	0.274	gpm		0.001		GPA 2261-95	03/15/23 09:51 / ikc
GPM Pentanes plus	0.274	gpm		0.001		GPA 2261-95	03/15/23 09:51 / ikc
CALCULATED PROPERTIES							
Gross BTU per cu ft @ Std Cond. (HHV)	31			1		GPA 2261-95	03/15/23 09:51 / ikc
Net BTU per cu ft @ std cond. (LHV)	29			1		GPA 2261-95	03/15/23 09:51 / ikc
Pseudo-critical Pressure, psia	556			1		GPA 2261-95	03/15/23 09:51 / ikc
Pseudo-critical Temperature, deg R	253			1		GPA 2261-95	03/15/23 09:51 / ikc
Specific Gravity @ 60/60F	1.03			0.001		D3588-81	03/15/23 09:51 / ikc
Air, % - The analysis was not corrected for air.	77.11			0.01		GPA 2261-95	03/15/23 09:51 / ikc
COMMENTS							

Report RL - Analyte Reporting Limit MCL - Maximum Contaminant Level

Definitions: QCL - Quality Control Limit ND - Not detected at the Reporting Limit (RL)

03/15/23 09:51 / ikc

<sup>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.</sup>



QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Hall Environmental Work Order: B23030909 Report Date: 03/24/23

Analyte		Count Resu	lt Units	RL	%REC I	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	GPA 2261-95								Batch	: R398983
Lab ID:	B23030934-001ADUP	12 Sample Du	plicate		ı	Run: GCNC	GA-B_230315A		03/15	/23 12:58
Oxygen		21	.2 Mol %	0.01				0	20	
Nitrogen		78	.2 Mol %	0.01				0.0	20	
Carbon Di	ioxide	0.5	55 Mol %	0.01				0.0	20	
Hydrogen	Sulfide	<0.0	01 Mol %	0.01					20	
Methane		<0.0	01 Mol %	0.01					20	
Ethane		<0.0	01 Mol %	0.01					20	
Propane		<0.0	01 Mol %	0.01					20	
Isobutane		<0.0	01 Mol %	0.01					20	
n-Butane		<0.0	01 Mol %	0.01					20	
Isopentan	е	<0.0	01 Mol %	0.01					20	
n-Pentane)	<0.0	01 Mol %	0.01					20	
Hexanes	olus	<0.0	01 Mol %	0.01					20	
Lab ID:	LCS031523	11 Laboratory	Control Samp	le	ı	Run: GCNC	SA-B_230315A		03/15	/23 13:25
Oxygen		0.6	61 Mol %	0.01	122	70	130			
Nitrogen		5.9	94 Mol %	0.01	99	70	130			
Carbon Di	ioxide	0.9	99 Mol %	0.01	100	70	130			
Methane		74	.9 Mol %	0.01	100	70	130			
Ethane		5.9	95 Mol %	0.01	99	70	130			
Propane		4.9	94 Mol %	0.01	100	70	130			
Isobutane		1.9	95 Mol %	0.01	97	70	130			
n-Butane		1.9	95 Mol %	0.01	97	70	130			
Isopentan	е	0.9	99 Mol %	0.01	99	70	130			
n-Pentane)	0.9	99 Mol %	0.01	99	70	130			
Hexanes p	olus	0.8	30 Mol %	0.01	100	70	130			

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

Billings, MT 800.735.4489 • Casper, WY 888.235.0515 Gillette, WY 866.686.7175 • Helena, MT 877.472.0711

Work Order Receipt Checklist

Hall Environmental

B23030909

Login completed by:	Leslie S. Cadreau		Date F	Received: 3/14/2023		
Reviewed by:	gmccartney		Red			
Reviewed Date:	3/17/2023	Carrier name: FedEx				
Shipping container/cooler in g	good condition?	Yes 🗸	No 🗌	Not Present		
Custody seals intact on all sh	nipping 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	n relinquished and received?	Yes 🔽	No 🗌			
Chain of custody agrees with	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 co such as pH, DO, Res CI, Sul	onsidered field parameters	Yes ✓	No 🗌			
Temp Blank received in all sh	nipping container(s)/cooler(s)?	Yes	No ✓	Not Applicable		
Container/Temp Blank tempe	erature:	12.8°C No Ice				
Containers requiring zero heabubble that is <6mm (1/4").	adspace have no headspace or	Yes	No 🗌	No VOA vials submitted	\checkmark	
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

Website: www.hallenvironmental.com

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

CHAIN OF CUSTODY RECORD PAGE: 1 OF: 1

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

SUB CC	DNTRATOR Energ	SUB CONTRATOR Energy Labs - Billings	COMPANY	Energy Laboratories	ies	PHONE	(406) 869-6253	FAX:	(406) 252-6069	
ADDRESS		1120 South 27th Street				ACCOUNT #:		EMAIL		
CITY, S	CITY, STATE, ZIP: Billings, MT 59107	gs, MT 59107								
ITEM	SAMPLE	CLIENT SAMPLE ID	LEID	BOTILE TYPE	MATRIX	COLLECTION DATE	# CONTAINERS	ANALYTIC/	ANALYTICAL COMMENTS	
1	1 2303593-001B SVE-1	SVE-1		TEDLAR	Air	3/9/2023 2:00:00 PM 1 FIXED GASES	1 FIXED GASES	4	873636909	
								-)		

SPECIAL INSTRUCTIONS / COMMENTS:	COMMENTS:					
					ï	
Relinguished By:	Date: 7/10/2023	Time: 8:55 AM	Received By:	Date:	Time:	
Relinguished By:	Date	Time	Received By:	Date	Time.	HARDCOPY (extra cost) FAX EMAIL ONLINE
						FOR 1 AR 11SE ONI V
Relinquished By:	Date	Time:	Received By Wille Man	Mis O	They 3 Thy 23 Tought	
TAT:	Standard	RUSH	Next BD	2nd BD	3rd BD	Temp of samples
				A SAME		Comments:

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

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

Sample Log-In Check List

Released to Imaging: 5/11/2023 7:24:27 AM

Client Name: HILCORP ENERGY Work Order Num	ber: 2303593		RcptNo: 1	
Received By: Tracy Casarrubias 3/10/2023 7:10:00	АМ			
Completed By: Tracy Casarrubias 3/10/2023 8:53:57	AM			
Reviewed By: KPG 310-23 Jn 3/1				
WPG 210.23				
Chain of Custody	_			
1. Is Chain of Custody complete?	Yes 📙	No 🗸	Not Present 🔲	
2. How was the sample delivered?	Courier			
l og lp	AN/	41B/		
Log In 3. Was an attempt made to cool the samples?	Yes 🔯	AND IN	NA 🗆	
o. was an altempt made to cool the samples?	ies 🗗	140	IVA L	
4. Were all samples received at a temperature 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 test(s)?	Yes 🗹	No 🗌		
7. Are samples (except VOA and ONG) properly 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 broken?	Yes 🗆	No 🗹		
			# of preserved bottles checked	
11. Does paperwork match bottle labels?	Yes 🗹	No 🗆	for pH:	
(Note discrepancies on chain of custody)		🗖	(<2 or >12 Adjusted?	unless noted)
2 Are matrices correctly identified on Chain of Custody?	Yes 🗹	No 🗌	Adjusted:	_
3. Is it clear what analyses were requested?	Yes 🗹	No 🗌	Checked by: KY	2110 22
4. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes 🗹	No 📙 🖊	Checked by: Mac	310.25
Special Handling (if applicable)				
15. Was client notified of all discrepancies with this order?	Yes 🗌	No 🗌	NA 🗹	
Person Notified: Date:		-		
By Whom: Via:	,	Phone Fax	In Person	
Regarding:				
Client Instructions:				
16. Additional remarks:				
17. <u>Cooler Information</u>				
Cooler No Temp °C Condition Seal Intact Seal No	Seal Date	Signed By		
1 NA Good Yes	Taking and California			

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Chain-of-Custody Record		LAI ENVIDONMENTAL
Client: Hiloro	☑ Standard □ Rush	ANALYSIS LABORATORY
		www.hallenvironmental.com
Mailing Address:	Bell Fed GC BI	4901 Hawkins NE - Albuquerque, NM 87109
		Tel. 505-345-3975 Fax 505-345-4107
Phone #:		Analysis Request
email or Fax#: brandon, Sinclair Ohilearp.com Project Manager:	Project Manager:	SO ₄
CAUC Package:	7	AVPP- BO¢
n:	20, 40%	082 I (1)
	On Ice: Tyes M No	208/8: 208/8: 20
□ EDD (Type)	# of Coolers:	od (GF)
	Cooler Temp(including cF): W/A (°C)	15D estideth y 83 3r, 1 yOA sem
į	Container Preservative HEAL No.	TEX / PH:80 081 PG (M PH:80 CRA 8 CR
I ime Matrix (C7 edk	8 8 B B B B B
3-9 1400 air SVE-1	2 Tedler 0001	
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If processor, commerce or hmitted to Hall Environmental may be cultonitarial to other somedited laboratories		This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Released to Imaging: 5/11/2023 7:24:27 AM

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 207683

CONDITIONS

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	207683
	Action Type:
	[UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
nvelez	1. Continue with O & M schedule. 2. Submit next quarterly report by July 31, 2023.	5/11/2023