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**

Accepted - 10/27/2023

Responsible Party Hilcorp Energy Company		OGRID 3	72171		
Contact Name Jennifer Deal		Contact 7	Celephone <b>505-801-6517</b>		
Contact ema	ail <b>jdeal@hil</b>	corp.com		Incident a	‡ NCS1729355513
Contact mai	iling address	382 Road 3100 A	ztec, NM 87410	)	
			Location	n of Release S	Source
Latitude 36.	8324852		(NAD 83 in a	Longitude decimal degrees to 5 dec	-108.168396
Site Name B	ell Federal G	Sas Com B 1		Site Type	Gas Well
		API# (if ap	pplicable) 30-045-09772		
Unit Letter	Section	Township	Range	Cou	nty
A	11	30N	13W	San Juan	
Crude O		l(s) Released (Select a	all that apply and atta	nd Volume of	Release  c justification for the volumes provided below)  Volume Recovered (bbls)
					Volume Recovered (bbls)
	Produced Water Volume Released (bbls)  Is the concentration of dissolved chloride in the produced water >10,000 mg/l?		Yes No		
Condens	Condensate Volume Released (bbls) 58 (Historic)		Volume Recovered (bbls) 0		
Natural (	Natural Gas Volume Released (Mcf)		Volume Recovered (Mcf)		
Other (de	ner (describe) Volume/Weight Released (provide units)		Volume/Weight Recovered (provide units)		
Other (u		I			

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	Page 2 o	<u>I</u> 3
dent ID		
rict RP		

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major	If VES, for what reason(s) does the responsible party consider this a major release?	
Was this a major release as defined by	If YES, for what reason(s) does the responsible party consider this a major release?	
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)? with on September 15, 2017 at 14:25 by James McDaniel (XTO). Initial C-141 was submitted October 1,	
	Initial Response	
The responsible p	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.	
	s been secured to protect human health and the environment.	
_	we been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
	ecoverable materials have been removed and managed appropriately.	
<u> </u>	d above have <u>not</u> been undertaken, explain why:	
Per 10 15 20 8 R (4) NM	AC the responsible party may commence remediation immediately after discovery of a release. If remediation	
	a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred	
within a lined containmen	at area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
	rmation given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and	
	required to report and/or file certain release notifications and perform corrective actions for releases which may endanger nent. 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 and/or regulations.	f a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws	
Duinted Names	Tido	
Fillied Name.	Title:	
Signature:	Date:	
email:	Telephone:	
OCD Only		
Received by:	Date:	

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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>&gt;100</u> (ft bgs)	
Did this release impact groundwater or surface water?	☐ Yes ⊠ No	
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ⊠ No	
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ⊠ No	
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ⊠ No	
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ⊠ No	
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ⊠ No	
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ⊠ No	
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ⊠ No	
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ⊠ No	
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ⊠ No	
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ⊠ No	
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	☐ Yes ⊠ No	
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.		
Characterization Report Checklist: Each of the following items must be included in the report.		
Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.  Field data  Data table of soil contaminant concentration data  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:		

Received by OCD: 7/13/2023 4:48:43 PM Form C-141 State of New Mexico Page 5 Oil Conservation Division

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# **Remediation Plan**

Remediation Plan Checklist: Each of the following items must be included in the plan.			
<ul> <li>☑ Detailed description of proposed remediation technique</li> <li>☑ Scaled sitemap with GPS coordinates showing delineation points</li> <li>☑ Estimated volume of material to be remediated</li> <li>☑ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC</li> <li>☑ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)</li> </ul>			
<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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# Closure

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

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

	•
A scaled site and sampling diagram as described in 19.15.29.	11 NMAC
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	s of the liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate ODG	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 replacement that the environment. In addition, OCD acceptance of	ations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in OCD when reclamation and re-vegetation are complete.
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 for regulations.
Closure Approved by:	Date:
Printed Name:	Title:



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 - 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 *Second 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 April, May, and June 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.

### **SECOND QUARTER 2023 ACTIVITIES**

During the second 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.

During the second quarter of 2023, SVE wells SVE03 and SVE04 were operated to induce air flow in the impacted zones at the Site. Between March 9 and June 23, 2023, approximately 1,327 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

Ensolum, LLC | Environmental, Engineering & Hydrogeologic Consultants

Hilcorp Energy Company Second Quarter 2023 – Solar SVE System Update Bell Federal GC B#1



Weather Service (NWS) for the Site location. Between these dates, the actual runtime for the system was 1,424.8 hours, equating to a second quarter 2023 runtime efficiency of 107.4 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 second quarter runtime efficiency.

A second quarter 2023 emissions sample was collected on June 23, 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, 46,150 pounds (23 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 Second 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

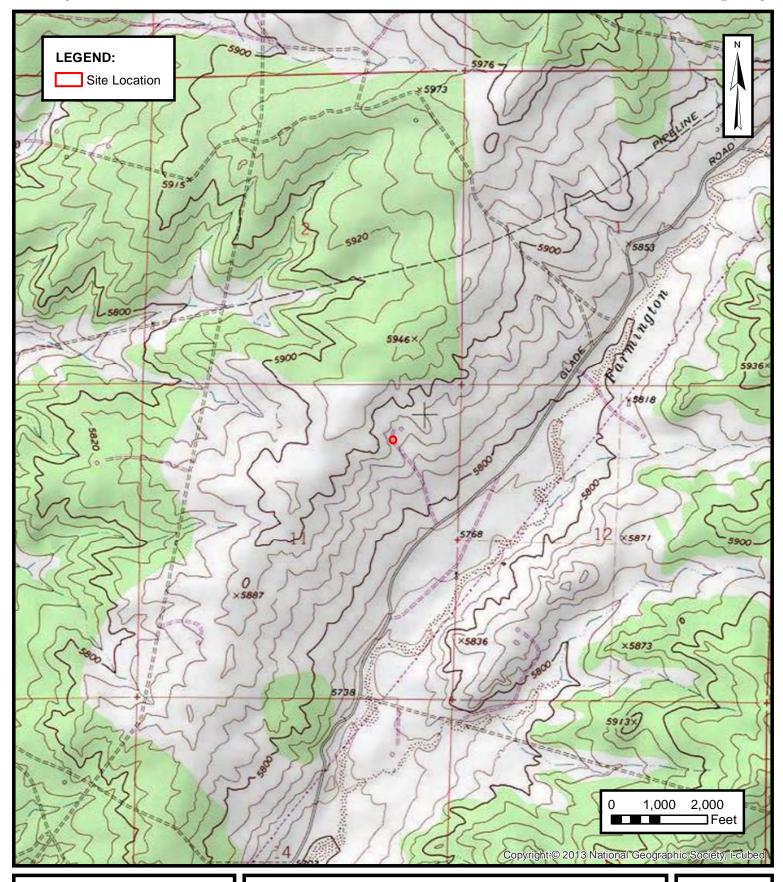
Appendix A Field Notes

Appendix B Project Photographs

Appendix C Laboratory Analytical Reports



**FIGURES** 





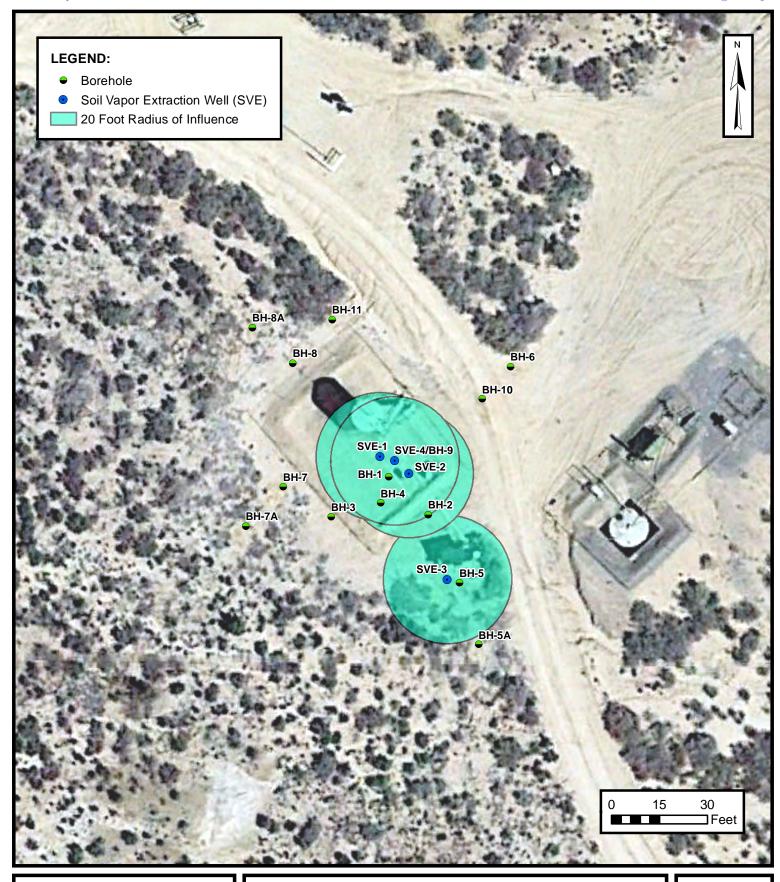
### SITE LOCATION

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

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

Date	Total Operational Hours	Delta Hours
3/9/02023	19,509.7	
6/23/2023	20,934.5	1,424.8

Time Period	March 9 to March 31, 2023	April 1 to April 30, 2023	May 1 to May 31, 2023	June 1 to June 23, 2023
Days	22	30	31	23
Avg. Nominal Daylight Hours	11	12	13	14
Available Runtime Hours	242	360	403	322

Quarterly Available Daylight Runtime Hours
Quarterly Runtime Hours
1,327
1,424.8
Quarterly % Runtime
107.4%

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

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

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	16.32%	3.32%
3/16/2022	1,096	53	120	< 0.50	82	26,000	16.80%	3.01%
6/16/2022	708	24	69	<5.0	38	13,000	21.01%	0.82%
9/8/2022	545	50.2	129	4.99	612	10,500	17.70%	2.80%
12/7/2022	675	52	74	<5.00	35	13,000	16.98%	3.68%
3/9/2023	1,285	54	120	<2.5	54	15,000	16.88%	4.03%
6/23/2023	1,109	27	55	<2.5	38	13,000	17.03%	3.63%

#### Notes:

Released to Imaging: 10/27/2023 11:39:17 AM

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

Flow and Laboratory Analysis

			and Laboratory Ana			
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
6/23/2023	1,109	27	55	2.50	38	13,000
Average	1,235	125	285	12	238	21,685

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
6/23/2023	29	38,718,336	2,479,152	0.0044	0.0095	0.00027	0.0050	1.5
	•		Average	0.016	0.034	0.001	0.028	2.6

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
6/23/2023	20,935	1,425	6.3	14	0.39	7.1	2,164	1.1
	Total Ma	ss Recovery to Date	352	773	32	630	46,150	23

#### 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

	27	The second secon	*.	
	SVE S	SYSTEM - MONTHLY O&M		
SVE ALARMS:		KO TANK HIGH LEVEL		
			TIM	ED CETTINICS
			Month	ER SETTINGS Timer Setting
SVE SYSTEM	READING	TIME	January	8 AM to 7 PM
Blower Hours (take photo)	19853.1	1256	February	8 AM to 7 PM
Pre K/O Vacuum (IWC)	21		March	8 AM to 8 PM
Thermal Anemometer Flow (fpm)	1034		April	8 AM to 9 PM
Thermal Anemometer Temp (C)	15.05		May	7 AM to 9 PM
Inlet PID	1106		June	6 AM to 9 PM
Exhaust PID	1012		July	6 AM to 9 PM
Solar Panel Angle	Ten Steam Steam (Section 1997)		August	7 AM to 9 PM
K/O Tank Drum Level			September	8 AM to 9 PM
K/O Liquid Drained (gallons)		300	October	8 AM to 8 PM
Timer Setting			November	9 AM to 8 PM
Heat Trace (on/off)			December	8 AM to 6 PM
OPERATING WELLS	TVPH (8015), VOCs (8260), Fixe	ed Gas (CO/CO2/O2)		
Change in Well Operation:  LOCATION  SVE01	TVPH (8015), VOCs (8260), Fixe		ADJUSTMENTS	
Change in Well Operation:  LOCATION  SVE01  SVE02		PID HEADSPACE (PPM)		
Change in Well Operation:  LOCATION  SVE01  SVE02  SVE03		PID HEADSPACE (PPM)		
Change in Well Operation:  LOCATION  SVE01  SVE02		PID HEADSPACE (PPM)		
Change in Well Operation:  LOCATION  SVE01  SVE02  SVE03  SVE04	VACUUM (IWC)	PID HEADSPACE (PPM)  947.3 2175	ADJUSTMENTS	COMMENTS
Change in Well Operation:  LOCATION  SVE01  SVE02  SVE03  SVE04		PID HEADSPACE (PPM)		COMMENTS
Change in Well Operation:  LOCATION SVE01 SVE02 SVE03 SVE04 ODUCT RECOVERY	VACUUM (IWC)	PID HEADSPACE (PPM)  947.3 2175	ADJUSTMENTS	COMMENTS
Change in Well Operation:  LOCATION SVE01 SVE02 SVE03 SVE04  ODUCT RECOVERY LOCATION SVE-1	VACUUM (IWC)	PID HEADSPACE (PPM)  947.3 2175	ADJUSTMENTS	COMMENTS
Change in Well Operation:  LOCATION SVE01 SVE02 SVE03 SVE04  ODUCT RECOVERY LOCATION SVE-1 SVE-2RS	VACUUM (IWC)	PID HEADSPACE (PPM)  947.3 2175	ADJUSTMENTS	COMMENTS
Change in Well Operation:  LOCATION SVE01 SVE02 SVE03 SVE04  ODUCT RECOVERY LOCATION SVE-1 SVE-2RS SVE-4	VACUUM (IWC)	PID HEADSPACE (PPM)  947.3 2175	ADJUSTMENTS	COMMENTS
Change in Well Operation:  LOCATION SVE01 SVE02 SVE03 SVE04  ODUCT RECOVERY LOCATION SVE-1 SVE-2RS SVE-4 SVE-11S	VACUUM (IWC)	PID HEADSPACE (PPM)  947.3 2175	ADJUSTMENTS	COMMENTS
Change in Well Operation:  LOCATION SVE01 SVE02 SVE03 SVE04  ODUCT RECOVERY LOCATION SVE-1 SVE-2RS SVE-4 SVE-11S SVE-13S	VACUUM (IWC)	PID HEADSPACE (PPM)  947.3 2175	ADJUSTMENTS	COMMENTS
Change in Well Operation:  LOCATION SVE01 SVE02 SVE03 SVE04  ODUCT RECOVERY LOCATION SVE-1 SVE-2RS SVE-4 SVE-11S SVE-13S SVE-14S	VACUUM (IWC)  DEPTH TO PRODUCT	PID HEADSPACE (PPM)  947.3 2175	ADJUSTMENTS	COMMENTS
Change in Well Operation:  LOCATION SVE01 SVE02 SVE03 SVE04  ODUCT RECOVERY LOCATION SVE-1 SVE-2RS SVE-4 SVE-11S SVE-13S SVE-14S  MMENTS/OTHER MAINTENAN	VACUUM (IWC)  DEPTH TO PRODUCT  NCE:	PID HEADSPACE (PPM)  947.3 2175  DEPTH TO WATER	ADJUSTMENTS	COMMENTS
Change in Well Operation:  LOCATION SVE01 SVE02 SVE03 SVE04  CODUCT RECOVERY LOCATION SVE-1 SVE-2RS SVE-4 SVE-1S SVE-13S	VACUUM (IWC)  DEPTH TO PRODUCT  NCE:	PID HEADSPACE (PPM)  947.3 2175  DEPTH TO WATER	ADJUSTMENTS	COMMENTS

		KO TANK HIGH LEVEL		
			TIME	DESTRINCS
			Month	R SETTINGS Timer Setting
SVE SYSTEM	READING	TIME	January	8 AM to 7 PM
Blower Hours (take photo)	20140.1	1527	February	8 AM to 7 PM
Pre K/O Vacuum (IWC)	21	1021	March	8 AM to 8 PM
hermal Anemometer Flow (fpm)	1244		April	8 AM to 9 PM
Thermal Anemometer Temp (C)	22,1		May	7 AM to 9 PM
Inlet PID	1438		June	6 AM to 9 PM
Exhaust PID	1966		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 SAMPLIN	NG	
SAMPLE ID:		SAMPLE TIME:		
Analytes: OPERATING WELLS	SVE SYST	SAMPLE TIME:		
Analytes: OPERATING WELLS		SAMPLE TIME:		
Analytes: OPERATING WELLS		SAMPLE TIME:		
Analytes: OPERATING WELLS Change in Well Operation:	TVPH (8015), VOCs (8260), Fixe	SAMPLE TIME: ed Gas (CO/CO2/O2)		
Analytes: OPERATING WELLS Change in Well Operation:  LOCATION	TVPH (8015), VOCs (8260), Fixe	SAMPLE TIME: ed Gas (CO/CO2/O2)		
Analytes: OPERATING WELLS Change in Well Operation:  LOCATION SVE01	TVPH (8015), VOCs (8260), Fixe	PID HEADSPACE (PPM)		
Analytes: OPERATING WELLS  Change in Well Operation:  LOCATION  SVE01  SVE02	TVPH (8015), VOCs (8260), Fixe	SAMPLE TIME: ed Gas (CO/CO2/O2)  PID HEADSPACE (PPM)		
Analytes: OPERATING WELLS  Change in Well Operation:  LOCATION  SVE01  SVE02  SVE03  SVE04	TVPH (8015), VOCs (8260), Fixe	PID HEADSPACE (PPM)		
Analytes: OPERATING WELLS Change in Well Operation:  LOCATION SVE01 SVE02 SVE03 SVE04  DUCT RECOVERY	TVPH (8015), VOCs (8260), Fixe	PID HEADSPACE (PPM)		COMMENTS
Analytes: OPERATING WELLS Change in Well Operation:  LOCATION SVE01 SVE02 SVE03 SVE04  DUCT RECOVERY LOCATION	VACUUM (IWC)	PID HEADSPACE (PPM)  1079 1939	ADJUSTMENTS	COMMENTS
Analytes: OPERATING WELLS Change in Well Operation:  LOCATION SVE01 SVE02 SVE03 SVE04  DUCT RECOVERY LOCATION SVE-1	VACUUM (IWC)	PID HEADSPACE (PPM)  1079 1939	ADJUSTMENTS	COMMENTS
Analytes: OPERATING WELLS Change in Well Operation:  LOCATION SVE01 SVE02 SVE03 SVE04  DUCT RECOVERY LOCATION SVE-1 SVE-2RS	VACUUM (IWC)	PID HEADSPACE (PPM)  1079 1939	ADJUSTMENTS	COMMENTS
Analytes: OPERATING WELLS  Change in Well Operation:  LOCATION SVE01 SVE02 SVE03 SVE04  DUCT RECOVERY LOCATION SVE-1 SVE-2RS SVE-4	VACUUM (IWC)	PID HEADSPACE (PPM)  1079 1939	ADJUSTMENTS	COMMENTS
Change in Well Operation:  LOCATION SVE01 SVE02 SVE03 SVE04  DUCT RECOVERY LOCATION SVE-1 SVE-2RS SVE-4 SVE-11S	VACUUM (IWC)	PID HEADSPACE (PPM)  1079 1939	ADJUSTMENTS	COMMENTS
Analytes: OPERATING WELLS  Change in Well Operation:  LOCATION  SVE01  SVE02  SVE03	TVPH (8015), VOCs (8260), Fixe	PID HEADSPACE (PPM)		
Analytes: OPERATING WELLS  Change in Well Operation:  LOCATION SVE01 SVE02 SVE03 SVE04  DDUCT RECOVERY LOCATION SVE-1 SVE-2RS SVE-4	VACUUM (IWC)	PID HEADSPACE (PPM)  1079 1939	ADJUSTMENTS	COMMENTS
Change in Well Operation:  LOCATION SVE01 SVE02 SVE03 SVE04  DUCT RECOVERY LOCATION SVE-1 SVE-2RS SVE-4 SVE-11S	VACUUM (IWC)	PID HEADSPACE (PPM)  1079 1939	ADJUSTMENTS	COMMENTS
Analytes: OPERATING WELLS Change in Well Operation:  LOCATION SVE01 SVE02 SVE03 SVE04  DUCT RECOVERY LOCATION SVE-1 SVE-2RS SVE-4	VACUUM (IWC)	PID HEADSPACE (PPM)  1079 1939	ADJUSTMENTS	COMMENTS

mere Rhichtel tallifer what her

DATE: _	5-10	O&M PERSONNEL: B Sin	clair
TIME ONSITE:		TIME OFFSITE:	

SVE SYSTEM - MONTHLY	O&N

SVE ALARMS: KO TANK HIGH LEVEL

				MER SETTINGS
			Month	Timer Setting
SVE SYSTEM	READING	TIME	January	8 AM to 7 PM
Blower Hours (take photo)	20374.4	518	February	8 AM to 7 PM
Pre K/O Vacuum (IWC)	21		March	8 AM to 8 PM
Thermal Anemometer Flow (fpm)	1044		April	8 AM to 9 PM
Thermal Anemometer Temp (C)	29.35		May	7 AM to 9 PM
Inlet PID	955.8		June	6 AM to 9 PM
Exhaust PID	1411		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)		The same of the sa	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 TIME: SAMPLE ID: 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		700.2	
SVE04		1901	

ODUCT RECOVERY	VERY	COV	RE	CT	U	D	0
----------------	------	-----	----	----	---	---	---

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

MMENTS/OTHER MAINTENANCE:

DATE 5-24-23	O&M PERSONNEL	D.	Burns	
TIME ONSITE: 12 00	TIME OFFSITE			_

	SVE SYST	EM - MONTHLY O&M		
SVE ALARMS KO TANK HIGH LEVEL				
			TIME	R SE LLINGS
			Month	Timer Setting
SVE SYSTEM	RI-ADING	TIME	January	8 AM to 7 PM
Blower Hours (take photo)	20 551 -0	14.00	February	8 AM to 7 PM
Pre K/O Vacuum (IWC)	20 INC		March	8 AM to 8 PM
Thermal Anemometer Flow (fpm)			April	8 AM to 9 PM
Thermal Anemometer Temp (C)			May	7 AM to 9 PM
Inlet PID	1,823 ppm		June	6 AM to 9 PM
Exhaust PID	2,449 rpm	V	July	6 AM to 9 PM
Solar Panel Angle	53°		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)	OFF		December	8 AM to 6 PM

	SVE SYSTEM - QUARTERLY SAMPLING	
SAMPLE ID:	SAMPLE TIME:	
Analytes:	TVPH (8015), VOCs (8260), Fixed Gas (CO/CO2/O2)	
	5VE 03 + 04	

hange in Well Operation:	None		
LOCATION	VACUUM (IWC)	PID HEADSPACE (PPM)	ADJUSTMENTS
SVE01			
SVE02			
SVE03			
SVE04			

LOCATION	DEPTH TO PRODUCT	DEPTH TO WATER	RECOVERED VOLUME	COMMENTS
SVE-1	_	40.82		TD- 41.45
SVE-2RS 02		34.12		34.25
SVEA 03	44.57	48.05	294	50.95
SVE-1 \$ 0 4		46. 18		47.75
SVE-106				
SVE-14S				

COMMENTS/OTHER MAINTENANCE

extension cord into blower box. 2 gal of brownish purple PSH from SVE03.

Received by OCD: 7/13/2023 4:48:43 PM

BELL FEDERAL GC B1 SVE SYSTEM BIWEEKLY O&M FORM Page 22 of 37

	/		A
DATE: TIME ONSITE:	6-12	O&M PERSONNEL: B	Sinclair

	SVE SY	STEM - MONTHLY O&M		To I VEREZ VERE
SVE ALARMS:		KO TANK HIGH LEVEL		
			TIME	R SETTINGS
			Month	Timer Setting
SVE SYSTEM	READING	TIME	January	8 AM to 7 PM
Blower Hours (take photo)	20799.9	1348	February	8 AM to 7 PM
Pre K/O Vacuum (IWC)	21		March	8 AM to 8 PM
Thermal Anemometer Flow (fpm)	820.8		April	8 AM to 9 PM
Thermal Anemometer Temp (C)	30.85		May	7 AM to 9 PM
Inlet PID	1281	THE RESERVE OF THE PERSON OF T	June	6 AM to 9 PM
Exhaust PID	1159		July	6 AM to 9 PM
Solar Panel Angle		PARTY NAMED IN COLUMN	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:	
Analytes:	TVPH (8015), VOCs (8260), Fixed Gas (CO/CO2/O2)	the state of the s
OPERATING WELLS		

Change in Well Operation:

LOCATION	VACUUM (IWC)	PID HEADSPACE (PPM)	ADJUSTMENTS
SVE01			
SVE02			
SVE03		1086	
SVE04		1914	

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:

Released to Imaging: 10/27/2023 11:39:17 AM

DATE: 6-23
TIME ONSITE:

O&M PERSONNEL: B Sinclair
TIME OFFSITE:

Page 23 of 37

### SVE SYSTEM - MONTHLY O&M SVE ALARMS: KO TANK HIGH LEVEL **TIMER SETTINGS** Month **Timer Setting** SVE SYSTEM **READING** TIME January 8 AM to 7 PM Blower Hours (take photo) 20934. 955 February 8 AM to 7 PM Pre K/O Vacuum (IWC) March 8 AM to 8 PM Thermal Anemometer Flow (fpm) April 8 AM to 9 PM Thermal Anemometer Temp (C) May 7 AM to 9 PM Inlet PID June 6 AM to 9 PM Exhaust PID 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:	
Analytes: TVPH (80	15), VOCs (8260), Fixed Gas (CO/CO2/O2)	
OPERATING WELLS		

Change in Well Operation:

LOCATION	VACUUM (IWC)	PID HEADSPACE (PPM)	ADJUSTMENTS
SVE01			1 IDJOSTIVILIA IS
SVE02	Market Committee		
SVE03		1896	
SVE04		1980	Maria

PRODUCT RECOVERY

LOCATION	DEPTH TO PRODUCT	DEPTH TO WATER	ECOVERED VOLUM	COMMENTS
SVE-1			- CECIVI	COMMENTS
SVE-2RS				
SVE-4				
SVE-11S	AND THE RESIDENCE TO A STATE OF THE PARTY OF			
SVE-13S		No of the best of		
SVE-14S				

COMMENTS/OTHER MAINTENANCE:

Drained ~ 19 PSH from SVE-3



**APPENDIX B** 

**Project Photographs** 

### **PROJECT PHOTOGRAPHS**

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

# 36.83213°N 108.16890°W ACCURACY 4 m DATUM WGS84 DIRECTION 164 deg(T) Photograph 1 Runtime meter taken on March 9, 2023 at 1:57 PM Hours = 19,509.7B QUARTZ HOURS DIRECTION 186 deg(T) 36.83212°N 108.16895°W Photograph 2 Runtime meter taken on June 23, 2023 BELL FEDERAL at 9:55 AM Hours = 20,934.5QUARTZ 209345



**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

July 11, 2023

Mitch Killough HILCORP ENERGY PO Box 4700 Farmington, NM 87499

TEL: (505) 564-0733

FAX

RE: Bell Federal GC B1 OrderNo.: 2306C75

### Dear Mitch Killough:

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 Freeman

Laboratory Manager

andy

4901 Hawkins NE

Albuquerque, NM 87109

# **Analytical Report**

Lab Order **2306C75** 

# Hall Environmental Analysis Laboratory, Inc. Date Reported: 7/11/2023

CLIENT: HILCORP ENERGY Client Sample ID: SVE-1

 Project:
 Bell Federal GC B1
 Collection Date: 6/23/2023 10:00:00 AM

 Lab ID:
 2306C75-001
 Matrix: AIR
 Received Date: 6/24/2023 7:45:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015D: GASOLINE RANGE					Analyst: <b>JJP</b>
Gasoline Range Organics (GRO)	13000	250	μg/L	50	6/26/2023 3:52:20 PM
Surr: BFB	161	15-412	%Rec	50	6/26/2023 3:52:20 PM
<b>EPA METHOD 8260B: VOLATILES</b>					Analyst: JR
Benzene	27	2.5	μg/L	25	7/5/2023 1:15:24 PM
Toluene	55	2.5	μg/L	25	7/5/2023 1:15:24 PM
Ethylbenzene	ND	2.5	μg/L	25	7/5/2023 1:15:24 PM
Methyl tert-butyl ether (MTBE)	ND	2.5	μg/L	25	7/5/2023 1:15:24 PM
1,2,4-Trimethylbenzene	ND	2.5	μg/L	25	7/5/2023 1:15:24 PM
1,3,5-Trimethylbenzene	2.6	2.5	μg/L	25	7/5/2023 1:15:24 PM
1,2-Dichloroethane (EDC)	ND	2.5	μg/L	25	7/5/2023 1:15:24 PM
1,2-Dibromoethane (EDB)	ND	2.5	μg/L	25	7/5/2023 1:15:24 PM
Naphthalene	ND	5.0	μg/L	25	7/5/2023 1:15:24 PM
1-Methylnaphthalene	ND	10	μg/L	25	7/5/2023 1:15:24 PM
2-Methylnaphthalene	ND	10	μg/L	25	7/5/2023 1:15:24 PM
Acetone	ND	25	μg/L	25	7/5/2023 1:15:24 PM
Bromobenzene	ND	2.5	μg/L	25	7/5/2023 1:15:24 PM
Bromodichloromethane	ND	2.5	μg/L	25	7/5/2023 1:15:24 PM
Bromoform	ND	2.5	μg/L	25	7/5/2023 1:15:24 PM
Bromomethane	ND	5.0	μg/L	25	7/5/2023 1:15:24 PM
2-Butanone	ND	25	μg/L	25	7/5/2023 1:15:24 PM
Carbon disulfide	ND	25	μg/L	25	7/5/2023 1:15:24 PM
Carbon tetrachloride	ND	2.5	μg/L	25	7/5/2023 1:15:24 PM
Chlorobenzene	ND	2.5	μg/L	25	7/5/2023 1:15:24 PM
Chloroethane	ND	5.0	μg/L	25	7/5/2023 1:15:24 PM
Chloroform	ND	2.5	μg/L	25	7/5/2023 1:15:24 PM
Chloromethane	ND	2.5	μg/L	25	7/5/2023 1:15:24 PM
2-Chlorotoluene	ND	2.5	μg/L	25	7/5/2023 1:15:24 PM
4-Chlorotoluene	ND	2.5	μg/L	25	7/5/2023 1:15:24 PM
cis-1,2-DCE	ND	2.5	μg/L	25	7/5/2023 1:15:24 PM
cis-1,3-Dichloropropene	ND	2.5	μg/L	25	7/5/2023 1:15:24 PM
1,2-Dibromo-3-chloropropane	ND	5.0	μg/L	25	7/5/2023 1:15:24 PM
Dibromochloromethane	ND	2.5	μg/L	25	7/5/2023 1:15:24 PM
Dibromomethane	ND	5.0	μg/L	25	7/5/2023 1:15:24 PM
1,2-Dichlorobenzene	ND	2.5	μg/L	25	7/5/2023 1:15:24 PM
1,3-Dichlorobenzene	ND	2.5	μg/L	25	7/5/2023 1:15:24 PM
1,4-Dichlorobenzene	ND	2.5	μg/L	25	7/5/2023 1:15:24 PM
Dichlorodifluoromethane	ND	2.5	μg/L	25	7/5/2023 1:15:24 PM
1,1-Dichloroethane	ND	2.5	μg/L	25	7/5/2023 1:15:24 PM
1,1-Dichloroethene	ND	2.5	μg/L	25	7/5/2023 1:15:24 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 2306C75

Date Reported: 7/11/2023

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: HILCORP ENERGY Client Sample ID: SVE-1

 Project:
 Bell Federal GC B1
 Collection Date: 6/23/2023 10:00:00 AM

 Lab ID:
 2306C75-001
 Matrix: AIR
 Received Date: 6/24/2023 7:45:00 AM

Analyses	Result	RL C	Qual Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES					Analyst: <b>JR</b>
1,2-Dichloropropane	ND	2.5	μg/L	25	7/5/2023 1:15:24 PM
1,3-Dichloropropane	ND	2.5	μg/L	25	7/5/2023 1:15:24 PM
2,2-Dichloropropane	ND	2.5	μg/L	25	7/5/2023 1:15:24 PM
1,1-Dichloropropene	ND	2.5	μg/L	25	7/5/2023 1:15:24 PM
Hexachlorobutadiene	ND	2.5	μg/L	25	7/5/2023 1:15:24 PM
2-Hexanone	ND	25	μg/L	25	7/5/2023 1:15:24 PM
Isopropylbenzene	ND	2.5	μg/L	25	7/5/2023 1:15:24 PM
4-Isopropyltoluene	ND	2.5	μg/L	25	7/5/2023 1:15:24 PM
4-Methyl-2-pentanone	ND	25	μg/L	25	7/5/2023 1:15:24 PM
Methylene chloride	ND	7.5	μg/L	25	7/5/2023 1:15:24 PM
n-Butylbenzene	ND	7.5	μg/L	25	7/5/2023 1:15:24 PM
n-Propylbenzene	ND	2.5	μg/L	25	7/5/2023 1:15:24 PM
sec-Butylbenzene	ND	2.5	μg/L	25	7/5/2023 1:15:24 PM
Styrene	ND	2.5	μg/L	25	7/5/2023 1:15:24 PM
tert-Butylbenzene	ND	2.5	μg/L	25	7/5/2023 1:15:24 PM
1,1,1,2-Tetrachloroethane	ND	2.5	μg/L	25	7/5/2023 1:15:24 PM
1,1,2,2-Tetrachloroethane	ND	2.5	μg/L	25	7/5/2023 1:15:24 PM
Tetrachloroethene (PCE)	ND	2.5	μg/L	25	7/5/2023 1:15:24 PM
trans-1,2-DCE	ND	2.5	μg/L	25	7/5/2023 1:15:24 PM
trans-1,3-Dichloropropene	ND	2.5	μg/L	25	7/5/2023 1:15:24 PM
1,2,3-Trichlorobenzene	ND	2.5	μg/L	25	7/5/2023 1:15:24 PM
1,2,4-Trichlorobenzene	ND	2.5	μg/L	25	7/5/2023 1:15:24 PM
1,1,1-Trichloroethane	ND	2.5	μg/L	25	7/5/2023 1:15:24 PM
1,1,2-Trichloroethane	ND	2.5	μg/L	25	7/5/2023 1:15:24 PM
Trichloroethene (TCE)	ND	2.5	μg/L	25	7/5/2023 1:15:24 PM
Trichlorofluoromethane	ND	2.5	μg/L	25	7/5/2023 1:15:24 PM
1,2,3-Trichloropropane	ND	5.0	μg/L	25	7/5/2023 1:15:24 PM
Vinyl chloride	ND	2.5	μg/L	25	7/5/2023 1:15:24 PM
Xylenes, Total	38	3.8	μg/L	25	7/5/2023 1:15:24 PM
Surr: Dibromofluoromethane	113	70-130	%Rec	25	7/5/2023 1:15:24 PM
Surr: 1,2-Dichloroethane-d4	136	70-130	S %Rec	25	7/5/2023 1:15:24 PM
Surr: Toluene-d8	91.8	70-130	%Rec	25	7/5/2023 1:15:24 PM
Surr: 4-Bromofluorobenzene	107	70-130	%Rec	25	7/5/2023 1:15:24 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

Page 2 of 2

## ANALYTICAL SUMMARY REPORT

June 28, 2023

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

Work Order: B2

B23062211

Quote ID: B15626

Project Name: Not Indicated

Energy Laboratories Inc Billings MT received the following 1 sample for Hall Environmental on 6/27/2023 for analysis.

Lab ID	Client Sample ID	Collect Date Receive Date	Matrix	Test
B23062211-001	2306C75-001B, SVE-1	06/23/23 10:00 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 **Report Date:** 06/28/23 Project: Not Indicated Collection Date: 06/23/23 10:00 Lab ID: B23062211-001 DateReceived: 06/27/23 Client Sample ID: 2306C75-001B, SVE-1 Matrix: Air

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By			
GAS CHROMATOGRAPHY ANALYSIS REPORT										
Oxygen	17.03	Mol %		0.01		GPA 2261-95	06/27/23 14:00 / ikc			
Nitrogen	78.97	Mol %		0.01		GPA 2261-95	06/27/23 14:00 / ikc			
Carbon Dioxide	3.63	Mol %		0.01		GPA 2261-95	06/27/23 14:00 / ikc			
Hydrogen Sulfide	<0.01	Mol %		0.01		GPA 2261-95	06/27/23 14:00 / ikc			
Methane	<0.01	Mol %		0.01		GPA 2261-95	06/27/23 14:00 / ikc			
Ethane	<0.01	Mol %		0.01		GPA 2261-95	06/27/23 14:00 / ikc			
Propane	<0.01	Mol %		0.01		GPA 2261-95	06/27/23 14:00 / ikc			
Isobutane	<0.01	Mol %		0.01		GPA 2261-95	06/27/23 14:00 / ikc			
n-Butane	< 0.01	Mol %		0.01		GPA 2261-95	06/27/23 14:00 / ikc			
Isopentane	< 0.01	Mol %		0.01		GPA 2261-95	06/27/23 14:00 / ikc			
n-Pentane	< 0.01	Mol %		0.01		GPA 2261-95	06/27/23 14:00 / ikc			
Hexanes plus	0.38	Mol %		0.01		GPA 2261-95	06/27/23 14:00 / ikc			
Propane	< 0.001	gpm		0.001		GPA 2261-95	06/27/23 14:00 / ikc			
Isobutane	< 0.001	gpm		0.001		GPA 2261-95	06/27/23 14:00 / ikc			
n-Butane	< 0.001	gpm		0.001		GPA 2261-95	06/27/23 14:00 / ikc			
Isopentane	< 0.001	gpm		0.001		GPA 2261-95	06/27/23 14:00 / ikc			
n-Pentane	< 0.001	gpm		0.001		GPA 2261-95	06/27/23 14:00 / ikc			
Hexanes plus	0.160	gpm		0.001		GPA 2261-95	06/27/23 14:00 / ikc			
GPM Total	0.160	gpm		0.001		GPA 2261-95	06/27/23 14:00 / ikc			
GPM Pentanes plus	0.160	gpm		0.001		GPA 2261-95	06/27/23 14:00 / ikc			
CALCULATED PROPERTIES										
Gross BTU per cu ft @ Std Cond. (HHV)	18			1		GPA 2261-95	06/27/23 14:00 / ikc			
Net BTU per cu ft @ std cond. (LHV)	17			1		GPA 2261-95	06/27/23 14:00 / ikc			
Pseudo-critical Pressure, psia	554			1		GPA 2261-95	06/27/23 14:00 / ikc			
Pseudo-critical Temperature, deg R	250			1		GPA 2261-95	06/27/23 14:00 / ikc			
Specific Gravity @ 60/60F	1.02			0.001		D3588-81	06/27/23 14:00 / ikc			
Air, % - The analysis was not corrected for air.	77.79			0.01		GPA 2261-95	06/27/23 14:00 / ikc			
COMMENTS										

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

RL - Analyte Reporting Limit Report MCL - Maximum Contaminant Level

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

06/27/23 14:00 / ikc

<sup>-</sup> 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.

<sup>-</sup> Standard conditions: 60 F & 14.73 psi on a dry basis.



# **QA/QC Summary Report**

Prepared by Billings, MT Branch

Client: Hall Environmental Work Order: B23062211 Report 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 Lab	oratory Co	ntrol Sample			Run: GCNG	SA-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			
Isobutane	е		1.98	Mol %	0.01	99	70	130			
n-Butane			1.99	Mol %	0.01	99	70	130			
Isopentar	ne		1.00	Mol %	0.01	100	70	130			
n-Pentan	е		1.00	Mol %	0.01	100	70	130			
Hexanes	plus		0.78	Mol %	0.01	98	70	130			
Lab ID:	B23062211-001ADUP	12 Sam	nple Duplic	ate			Run: GCNG	SA-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 D	Dioxide		3.64	Mol %	0.01				0.3	20	
Hydroger	n Sulfide		< 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	
Isobutane	е		< 0.01	Mol %	0.01					20	
n-Butane			< 0.01	Mol %	0.01					20	
Isopentar	ne		< 0.01	Mol %	0.01					20	
n-Pentan	е		< 0.01	Mol %	0.01					20	
Hexanes	plus		0.39	Mol %	0.01				2.6	20	
Lab ID:	LCS062823	11 Lab	oratory Co	ntrol Sample			Run: GCNG	SA-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			
Isobutane	е		1.97	Mol %	0.01	98	70	130			
n-Butane			1.97	Mol %	0.01	98	70	130			
Isopentar	ne		0.96	Mol %	0.01	96	70	130			
n-Pentan	е		0.97	Mol %	0.01	97	70	130			
Hexanes	plus		0.76	Mol %	0.01	95	70	130			
	•						_				

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

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

B23062211

# **Work Order Receipt Checklist**

# Hall Environmental

Login completed by:	Yvonna E. Smith	Date Received: 6/27/2023				
Reviewed by:	eviewed by: darcy			ceived by: lel		
Reviewed Date:	6/28/2023	Carrier name: FedEx				
Shipping container/cooler in	good condition?	Yes ✓	No 🗌	Not Present		
Custody seals intact on all st	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	en 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 of such as pH, DO, Res CI, Su	onsidered field parameters	Yes ✓	No 🗌			
Temp Blank received in all sl	hipping container(s)/cooler(s)?	Yes	No ✓	Not Applicable		
Container/Temp Blank tempe	erature:	17.8°C No Ice				
Containers requiring zero heabubble 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

Attempt to Cool ?

Temp of samples

06/24/23 CA:25

2nd BD

RUSH

Standard

TAT:

Time

Date

Relinquished By

SPECIAL INSTRUCTIONS / COMMENTS:

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

CHAIN OF CUSTODY RECORD PAGE: 1 OFF 1

Hall Environmental Analysis Laboratory

4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com ANALYTICAL COMMENTS (406) 252-6069 \*\*\* DAY TAT\*\* Natural Gas Analysis, 02, CO2 EMAIL FAX (406) 869-6253 # CONTAINERS 6/23/2023 10:00:00 AM 1 COLLECTION ACCOUNT PHONE DATE MATRIX Air **Energy Laboratories** BOTTLE TYPE TEDLAR COMPANY CLIENT SAMPLE ID 1120 South 27th Street SUB CONTRATOR Energy Labs - Billings CITY, STATE, ZIP. Billings, MT 59107 1 2306C75-001B SVE-1 SAMPLE ADDRESS: ITEM

Please include the LAB ID and the CLIENT SAMPLE ID on all final reports. Please e-mail results to lab@hallenvironmental.com. Please return all coolers and blue ice. Thank you.	REPORT TRANSMITTAL DESIRED:	HARDCOPY (extra cost)	FOR LAB USE ONLY
allenvironmenta	Time:		Time:
ail results to lab@h	Date		Date
AMPLE ID on all final reports. Please e-m	Time: Received By	8:55 AM	Time: Received By:
and the CLIENT SA	Date:	6/24/2023	Date
Please include the LAB ID	Radinalists chool 187		Relinquished By:



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: 10/27/2023 11:39:17 AM

		•	veosne: www.nc		man.com		
Client Name: HILCO	RP ENERGY	Work	Order Number	: 2306C75		RcptN	o: 1
Received By: Tracy	Casarrubias	6/24/20	23 7:45:00 AM				
Completed By: Tracy	Casarrubias	6/24/20	23 8:54:09 AM				
•	6/26/2	3					
Chain of Custody							
1. Is Chain of Custody of	omplete?			Yes 🗌	No 🗸	Not Present	
2. How was the sample	delivered?			Courier			
Log In  3. Was an attempt made	e to cool the sampl	es?		Yes 🗌	No 🗆	NA ☑	
4. Were all samples rece	eived at a temperal	ture of >0° C	to 6.0°C	Yes 🗌	No 🗆	NA 🗹	
5. Sample(s) in proper c	ontainer(s)?			Yes 🗹	No 🗆	]	
6. Sufficient sample volu	me for indicated te	est(s)?		Yes 🗹	No 🗆		
7. Are samples (except \	OA and ONG) pro	perly preserve	ed?	Yes 🗹	No 🗌		
8. Was preservative add	ed to bottles?			Yes 🗌	No 🗹	NA 🗆	
9. Received at least 1 via	al with headspace	<1/4" for AQ V	OA?	Yes 🗌	No 🗌	NA 🗸	
10. Were any sample con	tainers received b	roken?		Yes $\sqcup$	No 🔽	# of preserved	
11.Does paperwork matc (Note discrepancies o		)		Yes 🗹	No 🗌	bottles checked for pH:	or >12 unless noted)
12. Are matrices correctly	identified on Chair	n of Custody?		Yes 🗹	No 🗌	Adjusted?	
13. Is it clear what analyse	es were requested	?		Yes 🗹	No 🗌		
<ol> <li>Were all holding times (If no, notify customer</li> </ol>				Yes 🗹	No 🗌	Checked by:	TMC 6/24/
Special Handling (if					/		
15. Was client notified of	all discrepancies v	vith this order?	•	Yes 🗌	No 🗆	NA ☑	
Person Notified			Date:			uv	
By Whom:	The second secon		Via: [	_ eMail [	Phone Fa	ax 🔲 In Person	
Regarding:	West, and the second	Per war state that a second				AND THE RESIDENCE OF THE PERSON OF THE PERSO	
Client Instructio	ns: Mailing addre	ess and phone	number are mi	issing on C	OC- TMC 6/24/2	23	
16. Additional remarks:							
17. Cooler Information							
Cooler No Tem		Seal Intact	Seal No S	Seal Date	Signed By		
1 N/A	Good	Yes	1			1	

Received by OCD: 7/13/2023 4:48:43 PM

O	hain	-of-C	Chain-of-Custody Record	Turn-Around Time:	 :i				-		_			ć	MEN	Y	
Client:	Client: HilcorD	27		Standard	₩ Rush	6-27			- 4	Z	בָי	SIS	7 7	AB	ANALYSIS LABORATORY	OR	_
				Project Name:	4					www.hallenvironmental.com	haller	viron	menta	al.con			
Mailing	Mailing Address:			Bell Federal	7 6 C	181	4	901	lawk	4901 Hawkins NE -		nbnqı	erque	NM,	Albuquerque, NM 87109		
		Ξ		-	-1		•	Tel. 5	05-34	505-345-3975		Fах	505-3	505-345-4107	107		
Phone #:	#:										Ana	Analysis	Request	iest			
email o	r Fax#: b	randon	email or Fax#: brandon, sincleiras hillorgecom	Project Manager:		-					708			(jue	20.		
QA/QC	QA/QC Package:		)			- No.				SW	3 (	- (1-	T	psq	<i>78</i>		
☐ Standard	ndard		☐ Level 4 (Full Validation)	Mitch K	illough					ISO.	)d			4\jπ:	70		
Accreditation:	litation: AC	☐ Az Co☐ Other	mpliance	Sampler: Brandan On Ice: Tes	Yes Sinc	No No						7	(Ac	Prese	525 1d A		
□ EDD (Type)	(Type)			# of Coolers:	-						_	_	DΛ-	Lun (	<b>1</b>		
				Cooler Temp(Including CF):	2	(°C)							imə		1_		
Date	Time	Matrix	Sample Name	Container Prese	Preservative Type	HEAL No.	\ X3TE  18:H91	9081 P	M) 803	d sHAc	SCRA 8	v) 0928	3) 0728	Total C	108		
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If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Released to Imaging: 10/27/2023 11:39:17 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 240057

### **CONDITIONS**

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	240057
	Action Type:
	[UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

#### CONDITIONS

Created	Condition	Condition Date
Ву		
nvelez	Accepted for the record. See app ID 275080 for most updated status.	10/27/2023