

The total release volume (gas and produced water) was determined by using 1) Hilcorp's SCADA data to determine the total gas release and 2) utilizing an internal calculation to determine the produced water spill volume that soaked into the soils at the Federal 1-30. No fluids could be recovered. The dimensions used were based on Hilcorp's visual assessment of saturated soils at the Federal 1-30 once discovered by Hilcorp personnel.

A snapshot of the formula used to determine the produced water spill volume is shown below.

Spill Volume (Barrels) = Length of spill (ft) x Width of spill (ft) x Depth of spill (ft) x 25% soil porosity x 25% soil absorption										

The following sample report is for produced water fluids that were collected at Hilcorp's Mountain Ute Gas Com F 1. These produced water fluids are representative of the fluids that were released at the Federal 1-30.



75 Suttle Street
Durango, CO 81303
970.247.4220 Phone
jeremy.allen@greenanalytical.com

25 February 2026

Randall Klingler
Hilcorp
382 CR 3100
Aztec, NM 87410
RE: [none]

Enclosed are the results of analyses for samples received by the laboratory on 02/20/26 11:52. The data to follow was performed, in whole or in part, by Green Analytical Laboratories. Any data that was performed by a subcontract laboratory is included within the GAL report, or with an additional report attached.

If you need any further assistance, please feel free to contact me.

Sincerely,

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Jeremy D Allen
Laboratory Director

All accredited analytes contained in this report are denoted by an asterisk (*). For a complete list of accredited analytes please do not hesitate to contact us via any of the contact information contained in this report. All of our certifications can be viewed at <http://greenanalytical.com/certifications/>

Green Analytical Laboratories is NELAP accredited through the Texas Commission on Environmental Quality. Accreditation applies to drinking water and non-potable water matrices for trace metals and a variety of inorganic parameters. Green Analytical Laboratories is also accredited through the Colorado Department of Public Health and Environment and EPA region 8 for trace metals, Cyanide, Fluoride, Nitrate, and Nitrite in drinking water. TNI Certificate Number: TX-C26-00037

Our affiliate laboratory, Cardinal Laboratories, is also NELAP accredited through the Texas Commission on Environmental Quality for a variety of organic constituents in drinking water, non-potable water and solid matrices. Cardinal is also accredited for regulated VOCs, TTHM, and HAA-5 in drinking water through the Colorado Department of Public Health and Environment and EPA region 8. TNI Certificate Number: TX-C25-00101

Table of Contents

Samples in Report	3
Sample Results	4
2602280-01: Mountain Ute Gas F 1 Run 200 Area 2	4
Quality Assurance Results	5
Notes and Definitions	6
Chain of Custody & Attachments	7



Hilcorp
382 CR 3100
Aztec NM, 87410

Project: Formation Comparison
Project Name / Number: [none]
Project Manager: Randall Klingler

Reported:
02/25/26 16:52

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
Mountain Ute Gas F 1 Run 200 Area 2	2602280-01	Water	02/19/26 15:30	02/20/26 11:52	

Green Analytical Laboratories

Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



Hilcorp 382 CR 3100 Aztec NM, 87410	Project: Formation Comparison Project Name / Number: [none] Project Manager: Randall Klingler	Reported: 02/25/26 16:52
---	---	------------------------------------

Mountain Ute Gas F 1 Run 200 Area 2

2602280-01 (Produced Water)
Sampled Date: 02/19/26 15:30
Sampled By: Randy Klingler

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
---------	--------	----	-----	-------	----------	----------	--------	-------	---------

General Chemistry

Chloride*	9510	200	99.4	mg/L	200	02/25/26 11:15	EPA 300.0		AWG
Total Dissolved Solids*	17400	40.0		mg/L	4	02/24/26 16:23	EPA 160.1/SM 2540C	B1	AWG

Potentially Dissolved Metals by ICP

Iron*	73.6	1.00	0.537	mg/L	20	02/25/26 14:32	EPA 200.7		AWG
Magnesium*	254	2.00	1.48	mg/L	20	02/25/26 14:32	EPA 200.7		AWG

Green Analytical Laboratories

Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



Hilcorp
382 CR 3100
Aztec NM, 87410

Project: Formation Comparison
Project Name / Number: [none]
Project Manager: Randall Klingler

Reported:
02/25/26 16:52

General Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B260576 - General Prep - Wet Chem

Blank (B260576-BLK1) Prepared & Analyzed: 02/24/26										
Total Dissolved Solids	ND	10.0	mg/L							B1
Duplicate (B260576-DUP1) Source: 2602281-01 Prepared & Analyzed: 02/24/26										
Total Dissolved Solids	19800	40.0	mg/L		20000			0.804	20	B1
Reference (B260576-SRM1) Prepared & Analyzed: 02/24/26										
Total Dissolved Solids	405	10.0	mg/L	400		101	85-115			B1

Batch B260582 - IC- Ion Chromatograph

Blank (B260582-BLK1) Prepared & Analyzed: 02/25/26										
Chloride	ND	1.00	mg/L							
LCS (B260582-BS1) Prepared & Analyzed: 02/25/26										
Chloride	23.4	1.00	mg/L	25.0		93.6	90-110			
LCS Dup (B260582-BSD1) Prepared & Analyzed: 02/25/26										
Chloride	23.9	1.00	mg/L	25.0		95.5	90-110	1.97	20	

Potentially Dissolved Metals by ICP - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B260585 - Potentially Dissolved ICP

Blank (B260585-BLK1) Prepared & Analyzed: 02/25/26										
Iron	ND	0.050	mg/L							
Magnesium	ND	0.100	mg/L							
LCS (B260585-BS1) Prepared & Analyzed: 02/25/26										
Iron	4.00	0.050	mg/L	4.00		100	85-115			
Magnesium	19.5	0.100	mg/L	20.0		97.6	85-115			
LCS Dup (B260585-BSD1) Prepared & Analyzed: 02/25/26										
Iron	3.93	0.050	mg/L	4.00		98.2	85-115	1.81	20	
Magnesium	19.1	0.100	mg/L	20.0		95.4	85-115	2.26	20	

Green Analytical Laboratories

Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



Hilcorp	Project: Formation Comparison	
382 CR 3100	Project Name / Number: [none]	Reported:
Aztec NM, 87410	Project Manager: Randall Klingler	02/25/26 16:52

Notes and Definitions

M3 Matrix spike recovery did not meet acceptance criteria. Accuracy of the spike is reduced since the analyte concentration in the sample is more than four times the spike level.

B1 Target analyte detected in method blank at or above method reporting limit. Sample concentration found to be 10 times above the concentration found in the method blank or less than the reporting limit.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis
*Results reported on as received basis unless designated as dry.

RPD Relative Percent Difference

LCS Laboratory Control Sample (Blank Spike)

RL Report Limit

MDL Method Detection Limit

Green Analytical Laboratories

A handwritten signature in blue ink that reads 'Jeremy D. Allen'.

Jeremy D Allen, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.



75 Suttle Street
Durango, CO 81303
(970) 247-4220

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST
FORM-006, R 8.0

Note: Write-Out™ or similar products cannot be used on the Chain of Custody

Company or Client:		Hilcorp North		Bill to (if different):		ANALYSIS REQUEST					
Address:		382 Road 3100, Aztec, NM 87410				Bradenhead					
City:		Aztec				Formational					
Phone #:		505-793-9011				Complete API water analysis/Fe, Mn					
Contact Person:		Randy Klingler				PO4					
Email Report to:		Randall.klingler@hilcorp.com				Metals FE/MN					
Project Name(optional):						Corrosivity 9040C (PH)					
Sampler Name (Print):		Randy Klingler				PH TCLP RCRA Metals					
						BTEX					
						Dissolved Chlorides					
						Total Dissolved Solids					
Lab I.D.		Sample Name or Location		Collected		Matrix (check one)		# of containers			
2602-980						Rush? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N TAT Needed? 2Day					
Lab Use Only						GROUNDWATER					
01		1) Mountain Ute Gas Com F 1 Run 200 Area 2		Date: 02/19/26 Time: 03:30PM		SURFACE WATER					
						WASTEWATER					
						PRODUCED WATER					
						DRINKING WATER					
						SOIL					
						OTHER:		No preservation		1	
								Nitric Acid			
								Hydrochloric Acid			
								Sulfuric Acid			
								Sodium Hydroxide			
								OTHER:			

PLEASE NOTE: GAL's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by GAL within 30 days after completion of the applicable service. In no event shall GAL be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by GAL, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 2-20-26	Received By:	Date: 2/25/26	ADDITIONAL REMARKS:	
Randy Klingler	Time: 11:52 AM	Martin Clark	Time: 1:52	Need results by Wednesday 2/25/26	
Relinquished By:	Date: 2/23/26	Received By:	Date: 2/23/26		
Martin Clark	Time: 10:55	Kangaroo TP	Time: 10:55		
Relinquished By:	Date: 2/24/26	Received By:	Date: 2/24/26		
Kangaroo	Time: 11:20	Lee	Time: 2:11	Temperature at receipt: 3.0/7.0 °C	
				Checked by: TC CC	
				On Ice? Y	
				Therm. used: #0	

† GAL cannot accept verbal changes. Please email changes to receiving@greenanalytical.com
* Chain of Custody must be signed in "Relinquished By:" as an acceptance of services and all applicable charges.



SAMPLE CONDITION RECEIPT FORM

Date/Initials of person examining contents: TW 2/24/26

Labeled by initials: _____
(if different than above)

Client Name: Hillcorp North

Work Order # 2602280

Courier: Fed Ex UPS USPS Client Kangaroo Third Party Other

Custody Seals on Box/Cooler Present: Yes No Seals Intact: Yes No GAL Cooler #: _____

Thermometer Used: 19262 Samples on ice, cooling process has begun: Yes No

Type of Ice: Wet Blue None Cooler Temp: Observed Temp: 3.0 °C Correction Factor: -1.0 °C Final Temp: 2.0 °C

Temp: _____ °C
Temp: _____ °C
Temp: _____ °C
* Temp should be above freezing 6°C. if multiple readings are taken the lowest temp is the final temp recorded.

Compliance: Yes No

Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1
COC Signed when Relinquished and Received:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2
Sampler Name and Signature on COC: <i>*Required for compliance</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3
Samples arrived within hold time: <i>(Excluding pH)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	4
Correct Containers Used & Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5
Short Hold Time Analysis (<72hr): <i>(Excluding pH)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6
Rush Turn Around Time Requested:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	7
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8
pH's acceptable upon receipt, where applicable: <i>*Not including metals bottles</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	9
Dissolved Testing Needed:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	10
Field Filtered: <input type="checkbox"/> Yes <input type="checkbox"/> No		
Sample Labels match COC: <i>-Includes Date/Time/ID</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	11
Matrix:	<input checked="" type="checkbox"/> WT <input type="checkbox"/> SL <input type="checkbox"/> OT	
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	12
Trip Blank Custody Seals Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
VOA's meet headspace requirement (<6mm bubbles)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Non-Conformance(s):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	13

Client Notification/Resolution:

Person Contacted: _____

Date/Time: _____

Comments/Resolution: _____

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 558320

QUESTIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 558320
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2604330316
Incident Name	NAPP2604330316 FEDERAL 1-30 @ G-30-32N-13W 2180N 2300E
Incident Type	Release Other
Incident Status	Initial C-141 Received

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	Federal 1-30
Date Release Discovered	02/11/2026
Surface Owner	Federal

Incident Details	
<i>Please answer all the questions in this group.</i>	
Incident Type	Release Other
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Human Error Pipeline (Any) Produced Water Released: 5 BBL Recovered: 0 BBL Lost: 5 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Cause: Human Error Pipeline (Any) Natural Gas Vented Released: 1,700 MCF Recovered: 0 MCF Lost: 1,700 MCF.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	On 2/11/2026 at 11:30 am (MT), a HEC lease operator was attempting to return a well back to production at the Mountain Ute Gas Com F 1 (30-045-21034). However, the operator opened a flowline (dog leg) that he thought was tied to the Mountain Ute Gas Com F 1, but was instead tied to a plugged and abandoned well (Federal 1-30) located approximately 3,600 ft to the E-SE. The product then travelled to the former Federal 1-30 and vented 1,700 mcf gas (and 4.63-bbl produced water) out of an open-ended pipeline (located immediately below the surface) onto the former pad. Upon further inspection by HEC personnel, the fluids soaked into the ground surface on the former pad and no product could be recovered. HEC was able to secure the spill source shortly after discovery of this oversight and shut-in the line segment. Corrective actions are pending at this time, but will involve permanently locking out this particular dog leg to prevent this from happening again.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

**State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505**

QUESTIONS, Page 2

Action 558320

QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 558320
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	Yes, according to supplied volumes this will be treated as a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (3) an unauthorized release of gases exceeding 500 MCF.
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

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 release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	<i>Not answered.</i>

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: Mitch Killough Title: Environmental Specialist Email: mkillough@hilcorp.com Date: 02/26/2026
--	---

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 3

Action 558320

QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 558320
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Site Characterization

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs)	Not answered.
What method was used to determine the depth to ground water	Not answered.
Did this release impact groundwater or surface water	Not answered.
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Not answered.
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Not answered.
An occupied permanent residence, school, hospital, institution, or church	Not answered.
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Not answered.
Any other fresh water well or spring	Not answered.
Incorporated municipal boundaries or a defined municipal fresh water well field	Not answered.
A wetland	Not answered.
A subsurface mine	Not answered.
An (non-karst) unstable area	Not answered.
Categorize the risk of this well / site being in a karst geology	Not answered.
A 100-year floodplain	Not answered.
Did the release impact areas not on an exploration, development, production, or storage site	Not answered.

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	No
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oecd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 558320

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 558320
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Initial C141 is approved. A remediation work plan, site characterization plan or remediation closure is due to the OCD no later than 90-days after the date of discovery, not to exceed 05/13/2026.	3/3/2026