

Hilcorp Energy Company
Ruby Jones 1M Production Facility
Site Gas Analysis

Analysis Identifier/Name	Calloway 1B Gas Sample
What site is the sample from?	Calloway 1B
Date of sample:	1/22/2024
Is Sample Site-Specific or Representative?	Representative
Representativeness Check:	
Same Reservoir / Formation?	Yes
Same Facility Type (i.e. both are API Gravity < 40 or API Gravity > 40)?	Yes
Sample is less than 3 Years Old?	Yes
Where in the process was the sample taken?	Sales Gas Pipeline
Sample Temperature (F)	55
Sample Pressure (psig)	81
Gas Higher Heating Value (Btu/scf)	1125.6
Sour Gas or Sweet Gas?	Sweet Gas

Components	Molecular Weight Mw (lb/lb-mol)	mol %	grams per mole of gas	Weight %
Methane	16.04	87.880	14.0960	73.8113
Ethane	30.07	5.928	1.7826	9.3342
Propane	44.1	2.0570	0.9071	4.7501
i-Butane	58.12	0.4445	0.2583	1.3528
n-Butane	58.12	0.5397	0.3137	1.6425
i-Pentane	72.15	0.2450	0.1768	0.9256
n-Pentane	72.15	0.1626	0.1173	0.6143
Cyclopentane	72.15		0.0000	0.0000
n-Hexane	84.18		0.0000	0.0000
Cyclohexane	84.16		0.0000	0.0000
Other Hexanes	86.1766	0.2977	0.2565	1.3434
Heptanes	100.21	0.1320	0.1323	0.6926
Methylcyclohexane	100.21		0.0000	0.0000
2,2,4-Trimethylpentane	114.23		0.0000	0.0000
n-Octane	114.23	0.073	0.0828	0.4337
n-Nonane	128.26	0.017	0.0223	0.1169
Decanes+			0.0000	0.0000
Benzene	78.11		0.0000	0.0000
Toluene	92.14		0.0000	0.0000
Ethylbenzene	106.17		0.0000	0.0000
Xylenes	106.17		0.0000	0.0000
Nitrogen	28.01	0.168	0.0471	0.2467
Carbon Dioxide	44.01	2.055	0.9044	4.7360
Oxygen	32.00		0.0000	0.0000
Hydrogen Sulfide	34.1		0.0000	0.0000
Totals		100.000	19.097	100.000

VOCs and HAPs	mol%	Weight%	Weight Fraction (%)
VOCs	3.9684	11.8718	11.8718%
VOCs in Hydrocarbons	4.0586	12.4944	12.4944%
HAPs	0.0000	0.0000	0.0000%
HAPs in Hydrocarbons	0.0000	0.0000	0.0000%
Hydrogen Sulfide			
H2S	0.00000	0.0000	0.0000%
H2S ppm _v =	0	H2S grains/100 SCF =	0.00
Benzene			
Benzene	0.0000	0.0000	0.0000%
Bezene in Hydrocarbons	0.0000	0.0000	0.0000%
Gas Molecular Weight =	19.097		
Gas Specific Gravity =	0.6592		

Flowback Company: **Mesa Production**
 Received by OCD: 5/20/2026 10:51:58 AM
 Day Supervisor: **Alberto Parra**
 Night Supervisor: **Logan Shaperdson**
 Location Phone:
 Hilcorp Consultant: **Jose Morales**

Start Date: **5/4/2026** (Enter the DATE only for the start of the well (MM/DD/YYYY))
 Start Hour: **16:00** (Enter a WHOLE # for the starting HOUR in Military Time (i.e. 3:00 p.m. = 15 hrs))
 Associated Wells: **Yager Com #1N**

Hourly Required	X	X	X	X	X	X	X
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Date & time	Casing Pressure (psi)	Tubing Pressure (psi)	Braiden Head Pressure (psi)	Separator Pressure (psi)	Line Pressure (psi)	Choke Size (xx/64th's)	Gas Prod Wellhead (mcf)	Gas Prod Reservoir (mcf)	Approx. Gas Flared (mcf)	Oxygen ppm
5/4/26 16:00	950	900					0	0	0	500.0
5/4/26 17:00	950	850		38	0	13	20	20	20	48.0
5/4/26 18:00	921	775		44	0	13	20	20	20	15.0
5/4/26 19:00	927	686		83	0	15	20	20	20	19.0
5/4/26 20:00	928	746		73	0	13	20	20	20	44.7
5/4/26 21:00	930	745		78	0	13	20	20	20	34.1
5/4/26 22:00	932	760		87	0	13	20	20	20	26.5
5/4/26 23:00	935	761		76	0	13	20	20	20	10.9
5/5/26 0:00	938	759		58	0	13	20	20	20	5.1

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

DEFINITIONS

Action 587024

DEFINITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 587024
	Action Type: [C-129] Venting and/or Flaring (C-129)

DEFINITIONS

For the sake of brevity and completeness, please allow for the following in all groups of questions and for the rest of this application:

- this application's operator, hereinafter "this operator";
- venting and/or flaring, hereinafter "vent or flare";
- any notification or report(s) of the C-129 form family, hereinafter "any C-129 forms";
- the statements in (and/or attached to) this, hereinafter "the statements in this";
- and the past tense will be used in lieu of mixed past/present tense questions and statements.

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QUESTIONS

Action 587024

QUESTIONS

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	Action Number: 587024
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QUESTIONS

Prerequisites	
<i>Any messages presented in this section, will prevent submission of this application. Please resolve these issues before continuing with the rest of the questions.</i>	
Incident Well	[30-045-38486] YAGER COM #001N
Incident Facility	Unavailable.

Determination of Reporting Requirements	
<i>Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide additional guidance.</i>	
Was this vent or flare caused by an emergency or malfunction	No
Did this vent or flare last eight hours or more cumulatively within any 24-hour period from a single event	Yes
Is this considered a submission for a vent or flare event	Yes, minor venting and/or flaring of natural gas.
<i>An operator shall file a form C-141 instead of a form C-129 for a release that, includes liquid during venting and/or flaring that is or may be a major or minor release under 19.15.29.7 NMAC.</i>	
Was there at least 50 MCF of natural gas vented and/or flared during this event	Yes
Did this vent or flare result in the release of ANY liquids (not fully and/or completely flared) that reached (or has a chance of reaching) the ground, a surface, a watercourse, or otherwise, with reasonable probability, endanger public health, the environment or fresh water	No
Was the vent or flare within an incorporated municipal boundary or within 300 feet from an occupied permanent residence, school, hospital, institution or church in existence	No

Equipment Involved	
Primary Equipment Involved	Separator
Additional details for Equipment Involved. Please specify	Not answered.

Representative Compositional Analysis of Vented or Flared Natural Gas	
<i>Please provide the mole percent for the percentage questions in this group.</i>	
Methane (CH4) percentage	88
Nitrogen (N2) percentage, if greater than one percent	0
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (CO2) percentage, if greater than one percent	2
Oxygen (O2) percentage, if greater than one percent	0
<i>If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.</i>	
Methane (CH4) percentage quality requirement	Not answered.
Nitrogen (N2) percentage quality requirement	Not answered.
Hydrogen Sulfide (H2S) PPM quality requirement	Not answered.
Carbon Dioxide (CO2) percentage quality requirement	Not answered.
Oxygen (O2) percentage quality requirement	Not answered.

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QUESTIONS, Page 2

Action 587024

QUESTIONS (continued)

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QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	05/04/2026
Time vent or flare was discovered or commenced	04:00 PM
Time vent or flare was terminated	11:59 PM
Cumulative hours during this event	8

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	<i>Not answered.</i>
Natural Gas Flared (Mcf) Details	Cause: Initial Flowback Separator Natural Gas Flared Released: 157 Mcf Recovered: 0 Mcf Lost: 157 Mcf.
Other Released Details	<i>Not answered.</i>
Additional details for Measured or Estimated Volume(s). Please specify	Natural gas flared volume has a pressure based conversion applied.
Is this a gas only submission (i.e. only significant Mcf values reported)	Yes, according to supplied volumes this appears to be a "gas only" report.

Venting or Flaring Resulting from Downstream Activity	
Was this vent or flare a result of downstream activity	No
Was notification of downstream activity received by this operator	<i>Not answered.</i>
Downstream OGRID that should have notified this operator	<i>Not answered.</i>
Date notified of downstream activity requiring this vent or flare	<i>Not answered.</i>
Time notified of downstream activity requiring this vent or flare	<i>Not answered.</i>

Steps and Actions to Prevent Waste	
For this event, this operator could not have reasonably anticipated the current event and it was beyond this operator's control.	True
Please explain reason for why this event was beyond this operator's control	Pipeline specification for oxygen content
Steps taken to limit the duration and magnitude of vent or flare	n/a
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	n/a

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ACKNOWLEDGMENTS

Action 587024

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ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I acknowledge that I am authorized to submit a <i>Venting and/or Flaring</i> (C-129) report on behalf of this operator and understand that this report can be a complete C-129 submission per 19.15.27.8 and 19.15.28.8 NMAC.
<input checked="" type="checkbox"/>	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to this operator) to track any C-129 forms, pursuant to 19.15.27.7 and 19.15.28.8 NMAC and understand that this submission meets the notification requirements of Paragraph (1) of Subsection G and F respectively.
<input checked="" type="checkbox"/>	I hereby certify the statements in this report are true and correct to the best of my knowledge and acknowledge that any false statement may be subject to civil and criminal penalties under the Oil and Gas Act.
<input checked="" type="checkbox"/>	I acknowledge that the acceptance of any C-129 forms by the OCD does not relieve this operator of liability should their operations have failed to adequately investigate, report, and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment.
<input checked="" type="checkbox"/>	I acknowledge that OCD acceptance of any C-129 forms does not relieve this operator of responsibility for compliance with any other applicable federal, state, or local laws and/or regulations.

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CONDITIONS

Action 587024

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CONDITIONS

Created By	Condition	Condition Date
kkaufman	If the information provided in this report requires an amendment, submit a [C-129] Amend Venting and/or Flaring Incident (C-129A), utilizing your incident number from this event.	5/20/2026