September 16, 2024

FESCO, Ltd.
1100 Fesco Ave. - Alice, Texas 78332

For: Civitas Resources
555 17th Street, Suite 3700
Denver, Colorado 80202

Sample: Queen Keely CTB
Sweet Inlet Separator
Spot Gas Sample @ 135 psig & 97 °F

Date Sampled: 09/08/2024 Job Number: 243170.001

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286

COMPONENT	MOL%	GPM
Hydrogen Sulfide*	< 0.001	
Nitrogen	2.647	
Carbon Dioxide	2.499	
Methane	67.671	
Ethane	14.129	3.871
Propane	7.885	2.225
Isobutane	0.897	0.301
n-Butane	2.310	0.746
2-2 Dimethylpropane	0.004	0.002
Isopentane	0.459	0.172
n-Pentane	0.498	0.185
Hexanes	0.378	0.159
Heptanes Plus	0.623	0.253
Totals	100.000	7.914

Computed Real Characteristics Of Heptanes Plus:

Specific Gravity	3.312	(Air=1)
Molecular Weight	95.48	
Gross Heating Value	5120	BTU/CF

Computed Real Characteristics Of Total Sample:

Specific Gravity	0.829	(Air=1)
Compressibility (Z)	0.9954	
Molecular Weight	23.90	
Gross Heating Value		
Dry Basis	1360	BTU/CF
Saturated Basis	1337	BTU/CF

*Hydrogen Sulfide tested on location by: Stain Tube Method (GPA 2377)
Results: 0.189 Gr/100 CF, 3.0 PPMV or 0.0003 Mol%

Base Conditions: 15.025 PSI & 60 Deg F

Sampled By: (16) D. Field
Analyst: KV
Processor: KV
Cylinder ID: A-0880

Certified: FESCO, Ltd. - Alice, Texas

_____
Conan Pierce 361-661-7015

FESCO, Ltd. Job Number: 243170.001

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286
TOTAL REPORT

COMPONENT	MOL %	GPM	WT %
Hydrogen Sulfide*	< 0.001		< 0.001
Nitrogen	2.647		3.102
Carbon Dioxide	2.499		4.602
Methane	67.671		45.424
Ethane	14.129	3.871	17.775
Propane	7.885	2.225	14.547
Isobutane	0.897	0.301	2.181
n-Butane	2.310	0.746	5.618
2,2 Dimethylpropane	0.004	0.002	0.012
Isopentane	0.459	0.172	1.386
n-Pentane	0.498	0.185	1.503
2,2 Dimethylbutane	0.004	0.002	0.014
Cyclopentane	0.000	0.000	0.000
2,3 Dimethylbutane	0.050	0.021	0.180
2 Methylpentane	0.116	0.049	0.418
3 Methylpentane	0.065	0.027	0.234
n-Hexane	0.143	0.060	0.516
Methylcyclopentane	0.083	0.030	0.292
Benzene	0.064	0.018	0.209
Cyclohexane	0.109	0.038	0.384
2-Methylhexane	0.017	0.008	0.071
3-Methylhexane	0.020	0.009	0.084
2,2,4 Trimethylpentane	0.015	0.008	0.072
Other C7's	0.043	0.019	0.178
n-Heptane	0.041	0.019	0.172
Methylcyclohexane	0.079	0.033	0.325
Toluene	0.038	0.013	0.146
Other C8's	0.053	0.025	0.244
n-Octane	0.015	0.008	0.072
Ethylbenzene	0.004	0.002	0.018
M & P Xylenes	0.007	0.003	0.031
O-Xylene	0.002	0.001	0.009
Other C9's	0.020	0.010	0.106
n-Nonane	0.004	0.002	0.021
Other C10's	0.006	0.004	0.035
n-Decane	0.001	0.001	0.006
Undecanes (11)	0.002	0.001	0.013
Totals	100.000	7.914	100.000

Computed Real Characteristics of Total Sample		
Specific Gravity	0.829	(Air=1)
Compressibility (Z)	0.9954	
Molecular Weight	23.90	
Gross Heating Value		
Dry Basis	1360	BTU/CF
Saturated Basis	1337	BTU/CF

September 16, 2024

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Sample: Queen Keely CTB
Sweet Inlet Separator
Spot Gas Sample @ 135 psig & 97 °F

Date Sampled: 09/08/2024 Job Number: 243170.001

GLYCALC FORMAT

COMPONENT	MOL%	GPM	Wt %
Carbon Dioxide	2.499		4.602
Hydrogen Sulfide	< 0.001		< 0.001
Nitrogen	2.647		3.102
Methane	67.671		45.424
Ethane	14.129	3.871	17.775
Propane	7.885	2.225	14.547
Isobutane	0.897	0.301	2.181
n-Butane	2.314	0.748	5.630
Isopentane	0.459	0.172	1.386
n-Pentane	0.498	0.185	1.503
Cyclopentane	0.000	0.000	0.000
n-Hexane	0.143	0.060	0.516
Cyclohexane	0.109	0.038	0.384
Other C6's	0.235	0.099	0.846
Heptanes	0.204	0.086	0.797
Methylcyclohexane	0.079	0.033	0.325
2,2,4 Trimethylpentane	0.015	0.008	0.072
Benzene	0.064	0.018	0.209
Toluene	0.038	0.013	0.146
Ethylbenzene	0.004	0.002	0.018
Xylenes	0.009	0.004	0.040
Octanes Plus	0.101	0.051	0.497
Totals	100.000	7.914	100.000

Real Characteristics Of Octanes Plus:

Specific Gravity	4.085	(Air=1)
Molecular Weight	117.78	
Gross Heating Value	6202	BTU/CF

Real Characteristics Of Total Sample:

Specific Gravity	0.829	(Air=1)
Compressibility (Z)	0.9954	
Molecular Weight	23.90	
Gross Heating Value		
Dry Basis	1360	BTU/CF
Saturated Basis	1337	BTU/CF

FLARING SUMMARY

Battery	Date	Total Flare Vol (mcf)	Hrs Flared	Start		End	

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

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 534504
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

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

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 534504
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

QUESTIONS

Prerequisites	
Any messages presented in this section, will prevent submission of this application. Please resolve these issues before continuing with the rest of the questions.	
Incident ID (n#)	*Unavailable.*
Incident Name	*Unavailable.*
Incident Type	**Flare**
Incident Status	*Unavailable.*
Incident Facility	**[fAPP2524655937] Double Stamp Tank Battery**
Only valid Vent, Flare or Vent with Flaring incidents (selected above in the Application Details section) that are assigned to your current operator can be amended with this C-129A application.	

Determination of Reporting Requirements	
Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide addional guidance.	
Was this vent or flare caused by an emergency or malfunction	Yes
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, major venting and/or flaring of natural gas.**
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.	
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 withing 300 feet from an occupied permanent residence, school, hospital, institution or church in existence	No

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

Representative Compositional Analysis of Vented or Flared Natural Gas	
Please provide the mole percent for the percentage questions in this group.	
Methane (CH4) percentage	68
Nitrogen (N2) percentage, if greater than one percent	3
Hydrogen Sulfide (H2S) PPM, rounded up	3
Carbon Dioxide (C02) percentage, if greater than one percent	3
Oxygen (02) percentage, if greater than one percent	0
If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.	
Methane (CH4) percentage quality requirement	*Not answered.*
Nitrogen (N2) percentage quality requirement	*Not answered.*
Hydrogen Sufide (H2S) PPM quality requirement	*Not answered.*
Carbon Dioxide (C02) percentage quality requirement	*Not answered.*
Oxygen (02) percentage quality requirement	*Not answered.*

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QUESTIONS (continued)

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 534504
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	12/07/2025
Time vent or flare was discovered or commenced	12:01 AM
Time vent or flare was terminated	11:59 PM
Cumulative hours during this event	12

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	Cause: Equipment Failure | Tank (Any) | Natural Gas Flared | Released: 694 Mcf | Recovered: 0 Mcf | Lost: 694 Mcf.
Additional details for Measured or Estimated Volume(s). Please specify	*Not answered.*
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	*Not answered.*
Downstream OGRID that should have notified this operator	*Not answered.*
Date notified of downstream activity requiring this vent or flare	
Time notified of downstream activity requiring this vent or flare	*Not answered.*

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	The location experienced a malfunction that was not anticipated and the flaring can be attributed to the downtime of the equipment/VRU
Steps taken to limit the duration and magnitude of vent or flare	Standard PM. Worked with vendor to coordinate service time and minimize downtime.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Standard PM. No way to avoid periodic downtime for maintenance/repairs to address unforeseen issues.

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ACKNOWLEDGMENTS

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 534504
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

ACKNOWLEDGMENTS

☑	I acknowledge that with this application I will be amending an existing incident file (assigned to this operator) for a vent or flare event, pursuant to 19.15.27 and 19.15.28 NMAC.
☑	I acknowledge that amending an incident file does not replace original submitted application(s) or information and understand that any C-129 forms submitted to the OCD will be logged and stored as public record.
☑	I hereby certify the statements in this amending 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.
☑	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.
☑	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

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 534504
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

CONDITIONS

Created By	Condition	Condition Date
mlaruecdh	If the information provided in this report requires further amendment(s), submit a [C-129] Amend Venting and/or Flaring Incident (C-129A), utilizing your incident number from this event.	12/12/2025