

April 02, 2025

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

For: Coterra Energy, Inc.
840 Gessner Road, Suite 1400
Houston, Texas 77024

Sample: Eagle CTB
Well No. 701H First Stage Separator
Spot Gas Sample @ 106 psig & 74 °F

Date Sampled: 03/20/2025

Job Number: 251788.001

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286

COMPONENT	MOL%	GPM
Hydrogen Sulfide*	0.001	
Nitrogen	6.461	
Carbon Dioxide	0.503	
Methane	63.895	
Ethane	15.649	4.286
Propane	9.329	2.632
Isobutane	0.752	0.252
n-Butane	2.104	0.679
2-2 Dimethylpropane	0.006	0.002
Isopentane	0.394	0.148
n-Pentane	0.354	0.131
Hexanes	0.220	0.093
Heptanes Plus	<u>0.332</u>	<u>0.136</u>
Totals	100.000	8.360

Computed Real Characteristics Of Heptanes Plus:

Specific Gravity ----- 3.313 (Air=1)
Molecular Weight ----- 95.56
Gross Heating Value ----- 5134 BTU/CF

Computed Real Characteristics Of Total Sample:

Specific Gravity ----- 0.826 (Air=1)
Compressibility (Z) ----- 0.9957
Molecular Weight ----- 23.81
Gross Heating Value
Dry Basis ----- 1343 BTU/CF
Saturated Basis ----- 1320 BTU/CF

*Hydrogen Sulfide tested on location by: Stain Tube Method (GPA 2377)
Results: 0.629 Gr/100 CF, 10.0 PPMV or 0.001 Mol %

Base Conditions: 15.025 PSI & 60 Deg F

Sampled By: (16) Dennis F.
Analyst: EP
Processor: HH
Cylinder ID: T-5300

Certified: FESCO, Ltd. - Alice, Texas

Conan Pierce 361-661-7015

FESCO, Ltd.

Job Number: 251788.001

**CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286
TOTAL REPORT**

COMPONENT	MOL %	GPM	WT %
Hydrogen Sulfide*	0.001		0.001
Nitrogen	6.461		7.601
Carbon Dioxide	0.503		0.930
Methane	63.895		43.046
Ethane	15.649	4.286	19.761
Propane	9.329	2.632	17.276
Isobutane	0.752	0.252	1.836
n-Butane	2.104	0.679	5.136
2,2 Dimethylpropane	0.006	0.002	0.018
Isopentane	0.394	0.148	1.194
n-Pentane	0.354	0.131	1.073
2,2 Dimethylbutane	0.001	0.000	0.004
Cyclopentane	0.000	0.000	0.000
2,3 Dimethylbutane	0.036	0.015	0.130
2 Methylpentane	0.069	0.029	0.250
3 Methylpentane	0.044	0.018	0.159
n-Hexane	0.070	0.029	0.253
Methylcyclopentane	0.069	0.025	0.244
Benzene	0.028	0.008	0.092
Cyclohexane	0.041	0.014	0.145
2-Methylhexane	0.008	0.004	0.034
3-Methylhexane	0.012	0.006	0.050
2,2,4 Trimethylpentane	0.014	0.007	0.067
Other C7's	0.033	0.015	0.137
n-Heptane	0.019	0.009	0.080
Methylcyclohexane	0.030	0.012	0.124
Toluene	0.017	0.006	0.066
Other C8's	0.036	0.017	0.167
n-Octane	0.005	0.003	0.024
Ethylbenzene	0.003	0.001	0.013
M & P Xylenes	0.003	0.001	0.013
O-Xylene	0.001	0.000	0.004
Other C9's	0.008	0.004	0.042
n-Nonane	0.002	0.001	0.011
Other C10's	0.002	0.001	0.012
n-Decane	0.000	0.000	0.000
Undecanes (11)	<u>0.001</u>	<u>0.001</u>	<u>0.007</u>
Totals	100.000	8.360	100.000

Computed Real Characteristics of Total Sample

Specific Gravity -----	0.826	(Air=1)
Compressibility (Z) -----	0.9957	
Molecular Weight -----	23.81	
Gross Heating Value		
Dry Basis -----	1343	BTU/CF
Saturated Basis -----	1320	BTU/CF

April 02, 2025

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Sample: Eagle CTB
 Well No. 701H First Stage Separator
 Spot Gas Sample @ 106 psig & 74 °F

Date Sampled: 03/20/2025

Job Number: 251788.001

GLYCALC FORMAT

COMPONENT	MOL%	GPM	Wt %
Carbon Dioxide	0.503		0.930
Hydrogen Sulfide	0.001		0.001
Nitrogen	6.461		7.601
Methane	63.895		43.046
Ethane	15.649	4.286	19.761
Propane	9.329	2.632	17.276
Isobutane	0.752	0.252	1.836
n-Butane	2.110	0.682	5.154
Isopentane	0.394	0.148	1.194
n-Pentane	0.354	0.131	1.073
Cyclopentane	0.000	0.000	0.000
n-Hexane	0.070	0.029	0.253
Cyclohexane	0.041	0.014	0.145
Other C6's	0.150	0.063	0.543
Heptanes	0.141	0.058	0.545
Methylcyclohexane	0.030	0.012	0.124
2,2,4 Trimethylpentane	0.014	0.007	0.067
Benzene	0.028	0.008	0.092
Toluene	0.017	0.006	0.066
Ethylbenzene	0.003	0.001	0.013
Xylenes	0.004	0.002	0.017
Octanes Plus	<u>0.054</u>	<u>0.027</u>	<u>0.263</u>
Totals	100.000	8.360	100.000

Real Characteristics Of Octanes Plus:

Specific Gravity ----- 4.010 (Air=1)
 Molecular Weight ----- 115.63
 Gross Heating Value ----- 6019 BTU/CF

Real Characteristics Of Total Sample:

Specific Gravity ----- 0.826 (Air=1)
 Compressibility (Z) ----- 0.9957
 Molecular Weight ----- 23.81
 Gross Heating Value
 Dry Basis ----- 1343 BTU/CF
 Saturated Basis ----- 1320 BTU/CF



Coterra Energy Inc.
Corporate Headquarters
Three Memorial City Plaza
840 Gessner Road
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Houston, TX 77024

T 281-589-4600
F 281-589-4955
coterra.com

Selected Date

12 / 11 / 2025

Company

Search

Diagram

Route

47040

47040 ROYAL OAK LP FLARE SURGE METER-910

Gas Digital Meter

Carte Views

Tables

(47040) ROYAL OAK LP FLARE SURGE METER-910

Daily

Monthly

Record Da	Gas Flowed	Hours Flowed	Meter Flare Reason	Static Pressure Psia	Differential Pressure	Meter Comment
12/11/2025	706.00	00:00		15	0	
12/10/2025	789.00	00:00		15	0	
12/9/2025	569.00	00:00		15	0	
12/8/2025	0.00	00:00		15	0	
12/7/2025	0.00	00:00		15	0	
12/6/2025	0.00	00:00		15	0	
12/5/2025	0.00	00:00		15	0	

Intermediate flaring:

Event Date	Volume Flowed (mcf)	Duration (hrs)
12/10/2025	706	0

Details:

Purging for O2 specifications.

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 534183

DEFINITIONS

Operator: Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706	OGRID: 330396
	Action Number: 534183
	Action Type: [C-129] Venting and/or Flaring (C-129)

DEFINITIONS

<p>For the sake of brevity and completeness, please allow for the following in all groups of questions and for the rest of this application:</p> <ul style="list-style-type: none">• 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 534183

QUESTIONS

Operator: Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706	OGRID: 330396
	Action Number: 534183
	Action Type: [C-129] Venting and/or Flaring (C-129)

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	Unavailable.
Incident Facility	[fAPP2534537832] ROYAL OAK 25 FEDERAL 302H CTB

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	No
Is this considered a submission for a vent or flare event	Yes, major 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	Not answered.
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	64
Nitrogen (N2) percentage, if greater than one percent	6
Hydrogen Sulfide (H2S) PPM, rounded up	10
Carbon Dioxide (CO2) percentage, if greater than one percent	1
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 534183

QUESTIONS (continued)

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	Action Number: 534183
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	12/10/2025
Time vent or flare was discovered or commenced	12:00 AM
Time vent or flare was terminated	12:00 AM
Cumulative hours during this event	0

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: Pipeline Quality Specifications Separator Natural Gas Flared Released: 706 Mcf Recovered: 0 Mcf Lost: 706 Mcf.
Other Released Details	Not answered.
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	Not answered.
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	New facility, purging O2.
Steps taken to limit the duration and magnitude of vent or flare	Minimize flaring duration.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Midstream to evaluate.

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ACKNOWLEDGMENTS

Action 534183

ACKNOWLEDGMENTS

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	Action Number: 534183
	Action Type: [C-129] Venting and/or Flaring (C-129)

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 534183

CONDITIONS

Operator: Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706	OGRID: 330396
	Action Number: 534183
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
jmckinnon	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.	12/11/2025