



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

For: Ameredev Operating, LLC  
2901 Via Fortuna  
Austin, Texas 78746

Sample: Azalea CTB

Sales Meter Run  
Spot Gas Sample @ 95 psig & 93°F

Date Sampled: 04/01/2023

Job Number: 231769.013

### CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286

COMPONENT	Un-Normalized		
	Mol%	MOL%	GPM
Hydrogen Sulfide*		3.200	
Nitrogen	0.361	0.364	
Carbon Dioxide	7.543	7.597	
Methane	78.897	79.456	
Ethane	3.463	3.488	0.955
Propane	1.600	1.612	0.455
Isobutane	1.009	1.016	0.340
n-Butane	0.891	0.897	0.289
2-2 Dimethylpropane	0.037	0.037	0.015
Isopentane	0.731	0.737	0.276
n-Pentane	0.348	0.351	0.130
Hexanes	0.546	0.529	0.223
Heptanes Plus	<u>0.689</u>	<u>0.716</u>	<u>0.306</u>
	96.115	100.000	2.988

#### Computed Real Characteristics Of Heptanes Plus:

Specific Gravity ----- 3.479 (Air=1)  
Molecular Weight ----- 100.42  
Gross Heating Value ----- 5358 BTU/CF

#### Computed Real Characteristics Of Total Sample:

Specific Gravity ----- 0.767 (Air=1)  
Compressibility (Z) ----- 0.9964  
Molecular Weight ----- 22.14  
Gross Heating Value  
Dry Basis ----- 1124 BTU/CF  
Saturated Basis ----- 1105 BTU/CF

\*Hydrogen Sulfide tested on location by: Stain Tube Method (GPA 2377)  
2013 Gr/100 CF, 32000 PPMV or 3.200 Mol %

Base Conditions: 15.025 PSI & 60 Deg F

Sampled By: (16) R. Elizondo  
Analyst: LG  
Processor: HB  
Cylinder ID: T-6125

Certified: FESCO, Ltd. - Alice, Texas

Conan Pierce 361-661-7015

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

COMPONENT	MOL %	GPM	WT %
Hydrogen Sulfide*	3.200		4.926
Nitrogen	0.364		0.461
Carbon Dioxide	7.597		15.101
Methane	79.456		57.571
Ethane	3.488	0.955	4.737
Propane	1.612	0.455	3.210
Isobutane	1.016	0.340	2.667
n-Butane	0.897	0.289	2.355
2,2 Dimethylpropane	0.037	0.015	0.121
Isopentane	0.737	0.276	2.402
n-Pentane	0.351	0.130	1.144
2,2 Dimethylbutane	0.034	0.015	0.132
Cyclopentane	0.000	0.000	0.000
2,3 Dimethylbutane	0.041	0.017	0.160
2 Methylpentane	0.161	0.068	0.627
3 Methylpentane	0.117	0.049	0.455
n-Hexane	0.176	0.074	0.685
Methylcyclopentane	0.045	0.016	0.171
Benzene	0.010	0.003	0.035
Cyclohexane	0.056	0.020	0.213
2-Methylhexane	0.059	0.028	0.267
3-Methylhexane	0.032	0.015	0.145
2,2,4 Trimethylpentane	0.008	0.004	0.041
Other C7's	0.048	0.021	0.215
n-Heptane	0.054	0.025	0.244
Methylcyclohexane	0.111	0.046	0.492
Toluene	0.084	0.029	0.350
Other C8's	0.085	0.040	0.423
n-Octane	0.015	0.008	0.077
Ethylbenzene	0.003	0.001	0.014
M & P Xylenes	0.052	0.021	0.249
O-Xylene	0.010	0.004	0.048
Other C9's	0.027	0.014	0.154
n-Nonane	0.004	0.002	0.023
Other C10's	0.007	0.004	0.045
n-Decane	0.004	0.003	0.026
Undecanes (11)	<u>0.002</u>	<u>0.001</u>	<u>0.014</u>
Totals	100.000	2.988	100.000

**Computed Real Characteristics Of Total Sample:**

Specific Gravity -----	0.767	(Air=1)
Compressibility (Z) -----	0.9964	
Molecular Weight -----	22.14	
Gross Heating Value		
Dry Basis -----	1124	BTU/CF
Saturated Basis -----	1105	BTU/CF

<b>Sample Date:</b> 04/01/2023	<b>Ambient Air Temp:</b> 77 °F
<b>Sample Time:</b> 14:00	<b>Heating Method Utilized:</b> Yes
<b>Analysis Date:</b> 04/14/2023	<b>Sampling Method:</b> Fill & Empty
<b>Analysis Time:</b> 06:47	<b>Device:</b> (GC) S10
<b>Sample Pressure:</b> 95 psig	<b>Make &amp; Model:</b> Shimadzu GC 2014
<b>Sample Temp:</b> 93 °F	<b>Last Verification Date:</b> 04/13/2023
<b>Sampling Flow Rate:</b> 1292 MCF/D	

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

DEFINITIONS

Action 333236

DEFINITIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 333236
	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: <ul style="list-style-type: none"><li>• this application's operator, hereinafter "this operator";</li><li>• venting and/or flaring, hereinafter "vent or flare";</li><li>• any notification or report(s) of the C-129 form family, hereinafter "any C-129 forms";</li><li>• the statements in (and/or attached to) this, hereinafter "the statements in this";</li><li>• and the past tense will be used in lieu of mixed past/present tense questions and statements.</li></ul>
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QUESTIONS  
  
Action 333236

QUESTIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 333236
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

QUESTIONS

<b>Prerequisites</b> 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	[fAPP2203854212] AZALEA
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.	

<b>Determination of Reporting Requirements</b> Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide additional guidance.	
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, 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 within 300 feet from an occupied permanent residence, school, hospital, institution or church in existence	No

<b>Equipment Involved</b>	
Primary Equipment Involved	Not answered.
Additional details for Equipment Involved. Please specify	Not answered.

<b>Representative Compositional Analysis of Vented or Flared Natural Gas</b> Please provide the mole percent for the percentage questions in this group.	
Methane (CH4) percentage	79
Nitrogen (N2) percentage, if greater than one percent	0
Hydrogen Sulfide (H2S) PPM, rounded up	3
Carbon Dioxide (CO2) percentage, if greater than one percent	8
Oxygen (O2) 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	0
Nitrogen (N2) percentage quality requirement	0
Hydrogen Sulfide (H2S) PPM quality requirement	0
Carbon Dioxide (CO2) percentage quality requirement	0
Oxygen (O2) percentage quality requirement	0



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QUESTIONS, Page 2  
  
Action 333236

QUESTIONS (continued)

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 333236
	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	03/08/2024
Time vent or flare was discovered or commenced	08:30 AM
Time vent or flare was terminated	10:42 PM
Cumulative hours during this event	8

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: Human Error   Flow Line - Production   Natural Gas Flared   Released: 505 Mcf   Recovered: 0 Mcf   Lost: 505 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	No
Downstream OGRID that should have notified this operator	0
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	Two wells were opened up on site and based on the data, the flare BPV does not seem to be properly set by Control Room. It was more than likely adjusted at around 8 pm, when the flaring stopped at a high line pressure.
Steps taken to limit the duration and magnitude of vent or flare	Control Room handled the issue properly afterward.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	We established EHS Control Room to work with operator Control Room, so that the issue can be fixed earlier.



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ACKNOWLEDGMENTS  
  
Action 333236

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	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<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 333236

CONDITIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 333236
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

CONDITIONS

Created By	Condition	Condition Date
cescayu	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.	4/15/2024