

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

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

Sample: Golden Bell Satellite

Scrubber Meter Run
Spot Gas Sample @ 78 psig & 87°F

Date Sampled: 07/07/2023

Job Number: 232591.027

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286

Un-Normalized			
COMPONENT	Mol%	MOL%	GPM
Hydrogen Sulfide*	-----	0.280	
Oxygen	0.003	0.003	
Nitrogen	1.189	1.209	
Carbon Dioxide	1.311	1.333	
Methane	74.227	75.477	
Ethane	10.558	10.735	2.940
Propane	5.783	5.880	1.659
Isobutane	0.895	0.910	0.305
n-Butane	2.062	2.097	0.677
2-2 Dimethylpropane	0.010	0.010	0.004
Isopentane	0.585	0.594	0.222
n-Pentane	0.536	0.545	0.202
Hexanes	0.401	0.408	0.172
Heptanes Plus	<u>0.509</u>	<u>0.519</u>	<u>0.210</u>
Totals	98.069	100.000	6.391

Computed Real Characteristics Of Heptanes Plus:

Specific Gravity ----- 3.303 (Air=1)
Molecular Weight ----- 95.27
Gross Heating Value ----- 5105 BTU/CF

Computed Real Characteristics Of Total Sample:

Specific Gravity ----- 0.776 (Air=1)
Compressibility (Z) ----- 0.9959
Molecular Weight ----- 22.37
Gross Heating Value
Dry Basis ----- 1326 BTU/CF
Saturated Basis ----- 1303 BTU/CF

*Hydrogen Sulfide tested on location by: Stain Tube Method (GPA 2377)
Results: 176.1 Gr/100 CF, 2800 PPMV or 0.280 Mol %

Base Conditions: 15.025 PSI & 60 Deg F

Sampled By: (16) D. Field
Analyst: AL
Processor: HB
Cylinder ID: T-6219

Certified: FESCO, Ltd. - Alice, Texas

Conan Pierce 361-661-7015

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

COMPONENT	MOL %	GPM	WT %
Hydrogen Sulfide*	0.280		0.427
Oxygen	0.003		0.004
Nitrogen	1.209		1.514
Carbon Dioxide	1.333		2.622
Methane	75.477		54.122
Ethane	10.735	2.940	14.427
Propane	5.880	1.659	11.589
Isobutane	0.910	0.305	2.364
n-Butane	2.097	0.677	5.448
2,2 Dimethylpropane	0.010	0.004	0.032
Isopentane	0.594	0.222	1.915
n-Pentane	0.545	0.202	1.757
2,2 Dimethylbutane	0.005	0.002	0.019
Cyclopentane	0.000	0.000	0.000
2,3 Dimethylbutane	0.044	0.018	0.169
2 Methylpentane	0.129	0.055	0.497
3 Methylpentane	0.080	0.033	0.308
n-Hexane	0.150	0.063	0.578
Methylcyclopentane	0.067	0.024	0.252
Benzene	0.051	0.015	0.178
Cyclohexane	0.082	0.029	0.308
2-Methylhexane	0.019	0.009	0.085
3-Methylhexane	0.023	0.011	0.103
2,2,4 Trimethylpentane	0.010	0.005	0.051
Other C7's	0.039	0.017	0.173
n-Heptane	0.038	0.018	0.170
Methylcyclohexane	0.059	0.024	0.259
Toluene	0.044	0.015	0.181
Other C8's	0.040	0.019	0.197
n-Octane	0.011	0.006	0.056
Ethylbenzene	0.003	0.001	0.014
M & P Xylenes	0.008	0.003	0.038
O-Xylene	0.002	0.001	0.009
Other C9's	0.014	0.007	0.079
n-Nonane	0.003	0.002	0.017
Other C10's	0.005	0.003	0.032
n-Decane	0.001	0.001	0.006
Undecanes (11)	<u>0.000</u>	<u>0.000</u>	<u>0.000</u>
Totals	100.000	6.391	100.000

Computed Real Characteristics of Total Sample

Specific Gravity ----- 0.776 (Air=1)
 Compressibility (Z) ----- 0.9959
 Molecular Weight ----- 22.37

Gross Heating Value

Dry Basis ----- 1326 BTU/CF
 Saturated Basis ----- 1303 BTU/CF

Sample Date: 07/07/2023

Ambient Air Temp: 76 °F

Sample Time: 08:40

Heating Method Utilized: Yes

Analysis Date: 07/10/2023

Sampling Method: Fill & Empty

Analysis Time: 15:44

Device: (GC) S14

Sample Pressure: 78 psig

Make & Model: Shimadzu GC 2014

Sample Temp: 87 °F

Last Verification Date: 07/06/2023

Sampling Flow Rate: N/A MCF/D

Received by OCD: 11/10/2023 9:07:08 AM		Facility #	Date (C-129 Was Filed)	Date (Flaring Discovered)	Date Flaring Occurred	Location	Flare Source Equipment	Gas Volume (MCF)	Flared or Vented	Start Time of the flare event	End Time of the flare event	Flare Duration (hr)	C129 Filing Reason	Page 3 of 8
NA	NA	NA	NA	NA	11/1/2023	Nan 1.5N	HP Flare	462.79	Flared	12:10 AM	5:49 PM	0.50	Malfunction	Pinion went down on plant
NA	NA	NA	NA	NA	11/1/2023	Pinestraw	HP Flare	237.66	Flared	12:48 AM	9:14 PM	6.04	Malfunction	Pinion went down on plant
M6LCU-231110-C-1290	nAPP2331427967	fAPP2203846035	11/10/2023	11/2/2023	11/1/2023	Amen Corner	VRU Discharge	206.34	Flared	12:00 AM	10:19 AM	10.32	Flared more than 8 HRs	Based on the data, the div
NA	NA	NA	NA	NA	11/1/2023	Red Bud	VRU Discharge	98.75	Flared	4:17 AM	4:25 PM	4.68	Repair/Maintenance	Had an o2 spike because a
NA	NA	NA	NA	NA	11/2/2023	Nandina	LP - Vent flare/Blower Flare	87.06	Flared	5:17 AM	5:28 PM	5.72	Malfunction	Heater pressured up and f
NA	NA	NA	NA	NA	11/2/2023	Nan 1.5N	HP Flare	75.78	Flared	2:48 AM	8:40 PM	0.11	Malfunction	Pinion lost power so our li
NA	NA	NA	NA	NA	11/3/2023	Nan 1.5N	HP Flare	167.16	Flared	2:34 AM	11:56 PM	0.19	Malfunction	Pinion lost some units so l
	nAPP2330966821	fAPP2203928043	11/10/2023	11/6/2023	11/3/2023	Red Bud	VRU Discharge	610.22	Flared	3:36 AM	11:57 PM	15.02	Flared more than 8 HRs	We started getting high O
	nAPP2330967245	fAPP2304126884	11/10/2023	11/6/2023	11/4/2023	Nan 1.5N	HP Flare	631.56	Flared	1:43 AM	5:33 PM	0.99	Malfunction	Pinion was having foaming
NA	NA	NA	NA	NA	11/4/2023	Pinestraw	HP Flare	87.70	Flared	1:36 AM	11:25 PM	3.10	Malfunction	Pinion was having foaming
NA	NA	NA	NA	NA	11/4/2023	Red Bud	LP - Vent flare/Blower Flare	62.18	Flared	12:00 AM	11:52 PM	4.72	Malfunction	Based on the EHS summar
	nAPP2330967046	fAPP2203928043	11/10/2023	11/6/2023	11/4/2023	Red Bud	VRU Discharge	665.62	Flared	12:00 AM	11:52 PM	17.48	Flared more than 8 HRs	North heater had high O2
NA	NA	NA	NA	NA	11/5/2023	Nan 1.5N	HP Flare	258.21	Flared	12:16 AM	3:36 PM	0.26	Malfunction	Pinion was having foaming
NA	NA	NA	NA	NA	11/5/2023	Pinestraw	HP Flare	75.58	Flared	12:18 AM	4:11 PM	3.43	Malfunction	Pinion was having foaming
TIOLF-231110-C-1290	nAPP2331428838	fAPP2203928043	11/10/2023	11/6/2023	11/5/2023	Red Bud	VRU Discharge	385.74	Flared	12:20 AM	10:55 PM	8.42	Flared more than 8 HRs	We had an O2 spike aroun
JWIMN-231110-C-1290	nAPP2331429675	fAPP2203927141	11/10/2023	11/7/2023	11/6/2023	Pinestraw	VRU Discharge	211.93	Flared	12:42 PM	11:58 PM	8.77	Flared more than 8 HRs	We had an O2 spike that s
NA	NA	NA	NA	NA	11/6/2023	Red Bud	VRU Discharge	269.40	Flared	10:16 AM	9:42 PM	5.42	Oxygen	We had an O2 spike that s
NA	NA	NA	NA	NA	11/6/2023	Pinestraw	LP - Vent flare/Blower Flare	50.96	Flared	2:39 AM	4:38 PM	0.16	Malfunction	VRUs would go down on lo
NA	NA	NA	NA	NA	11/6/2023	Nan 1.5N	HP Flare	147.49	Flared	12:00 AM	1:02 PM	0.03	Malfunction	High line pressure around
NA	NA	NA	NA	NA	11/7/2023	Nandina	HP Flare	54.44	Flared	12:34 PM	7:20 PM	0.70	Malfunction	Facility Flare set points we
NA	NA	NA	NA	NA	11/7/2023	Pinestraw	VRU Discharge	182.80	Flared	12:00 AM	7:48 AM	7.82	Oxygen	Flaring started on the 6th a
NA	NA	NA	NA	NA	11/7/2023	Nan 1.5N	HP Flare	105.23	Flared	12:48 PM	1:15 PM	0.17	Malfunction	Facility Flare set points we
NA	NA	NA	NA	NA	11/8/2023	Pinestraw	LP - Vent flare/Blower Flare	85.14	Flared	12:00 AM	11:59 PM	0.31	Malfunction	Flared throughout the day
NA	NA	NA	NA	NA	11/8/2023	Nandina	LP - Vent flare/Blower Flare	87.41	Flared	12:02 AM	11:32 PM	0.26	Malfunction	Blowers were all turned o
		fAPP2203856979	11/10/2023	11/9/2023	11/8/2023	Nandina	VRU Discharge	376.42	Flared	3:06 AM	7:58 PM	13.25	Flared more than 8 HRs	Hila got hit with oxygen, V
Released to Imaging: 11/10/2023 9:28:51 AM		NA	NA	NA	11/8/2023	Red Bud	VRU Discharge	289.21	Flared	11:57 AM	7:33 PM	7.62	Oxygen	Hila got hit with oxygen, V
	nAPP2331344316	fAPP2304126884	11/10/2023	11/9/2023	11/8/2023	Nan 1.5N	HP Flare	777.24	Flared	11:20 AM	3:12 PM	1.17	Oxygen	Hila got hit with O2, had to

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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 284560

DEFINITIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 284560
	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

Action 284560

QUESTIONS

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	Action Number: 284560
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

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 Operator	[372224] AMEREDEV OPERATING, LLC
Incident Type	Flare
Incident Status	Closure Not Approved
Incident Well	Unavailable.
Incident Facility	[fAPP2304126884] NAN/GB 4N Satellite
<i>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.</i>	

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	Yes
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	75
Nitrogen (N2) percentage, if greater than one percent	1
Hydrogen Sulfide (H2S) PPM, rounded up	0
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 284560

QUESTIONS (continued)

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 284560
	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	11/04/2023
Time vent or flare was discovered or commenced	01:43 AM
Time vent or flare was terminated	05:33 PM
Cumulative hours during this event	1

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: Equipment Failure Gas Compressor Station Natural Gas Flared Released: 632 Mcf Recovered: 0 Mcf Lost: 632 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	Yes
Was notification of downstream activity received by this operator	No
Downstream OGRID that should have notified this operator	[330718] Pinon Midstream LLC
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	Pinon was having foaming issues so they cut down our rate by 20 MM. Line pressure got high and gas had to be flared.
Steps taken to limit the duration and magnitude of vent or flare	We choked back the wells to limit production.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	We will ask Pinon to notify us in advance in the future.

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ACKNOWLEDGMENTS

Action 284560

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Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 284560
	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
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Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 284560
	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.	11/10/2023