



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

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

Sample: Amen Corner CTB

Sales Meter Run
Spot Gas Sample @ 48 psig & 55°F

Date Sampled: 03/04/2023

Job Number: 231592.031

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286

COMPONENT	Un-Normalized		
	Mol%	MOL%	GPM
Hydrogen Sulfide*		1.000	
Nitrogen	1.054	1.047	
Carbon Dioxide	2.616	2.601	
Methane	79.480	79.008	
Ethane	7.489	7.444	2.038
Propane	4.238	4.212	1.188
Isobutane	1.087	1.081	0.362
n-Butane	1.691	1.681	0.542
2-2 Dimethylpropane	0.017	0.017	0.007
Isopentane	0.701	0.697	0.261
n-Pentane	0.463	0.460	0.171
Hexanes	0.387	0.379	0.160
Heptanes Plus	<u>0.373</u>	<u>0.373</u>	<u>0.156</u>
	99.596	100.000	4.885

Computed Real Characteristics Of Heptanes Plus:

Specific Gravity ----- 3.370 (Air=1)
Molecular Weight ----- 97.25
Gross Heating Value ----- 5245 BTU/CF

Computed Real Characteristics Of Total Sample:

Specific Gravity ----- 0.752 (Air=1)
Compressibility (Z) ----- 0.9963
Molecular Weight ----- 21.69
Gross Heating Value
Dry Basis ----- 1248 BTU/CF
Saturated Basis ----- 1227 BTU/CF

*Hydrogen Sulfide tested on location by: Stain Tube Method (GPA 2377)
628.9 Gr/100 CF, 10000 PPMV or 1.000 Mol %

Base Conditions: 15.025 PSI & 60 Deg F

Sampled By: (24) D. Field
Analyst: LG
Processor: HB
Cylinder ID: T-3890

Certified: FESCO, Ltd. - Alice, Texas

Conan Pierce 361-661-7015

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286

TOTAL REPORT

COMPONENT	MOL %	GPM	WT %
Hydrogen Sulfide*	1.000		1.571
Nitrogen	1.047		1.352
Carbon Dioxide	2.601		5.277
Methane	79.008		58.432
Ethane	7.444	2.038	10.319
Propane	4.212	1.188	8.563
Isobutane	1.081	0.362	2.897
n-Butane	1.681	0.542	4.504
2,2 Dimethylpropane	0.017	0.007	0.057
Isopentane	0.697	0.261	2.318
n-Pentane	0.460	0.171	1.530
2,2 Dimethylbutane	0.016	0.007	0.064
Cyclopentane	0.000	0.000	0.000
2,3 Dimethylbutane	0.039	0.016	0.155
2 Methylpentane	0.120	0.051	0.477
3 Methylpentane	0.078	0.033	0.310
n-Hexane	0.126	0.053	0.501
Methylcyclopentane	0.055	0.020	0.213
Benzene	0.010	0.003	0.036
Cyclohexane	0.047	0.016	0.182
2-Methylhexane	0.022	0.010	0.102
3-Methylhexane	0.019	0.009	0.088
2,2,4 Trimethylpentane	0.010	0.005	0.053
Other C7's	0.036	0.016	0.165
n-Heptane	0.030	0.014	0.139
Methylcyclohexane	0.048	0.020	0.217
Toluene	0.024	0.008	0.102
Other C8's	0.040	0.019	0.203
n-Octane	0.007	0.004	0.037
Ethylbenzene	0.001	0.000	0.005
M & P Xylenes	0.009	0.004	0.044
O-Xylene	0.002	0.001	0.010
Other C9's	0.010	0.005	0.058
n-Nonane	0.001	0.001	0.006
Other C10's	0.002	0.001	0.013
n-Decane	0.000	0.000	0.000
Undecanes (11)	<u>0.000</u>	<u>0.000</u>	<u>0.000</u>
Totals	100.000	4.885	100.000

Computed Real Characteristics Of Total Sample:

Specific Gravity ----- 0.752 (Air=1)

Compressibility (Z) ----- 0.9963

Molecular Weight ----- 21.69

Gross Heating Value

Dry Basis ----- 1248 BTU/CF

Saturated Basis ----- 1227 BTU/CF

Sample Date: 03/04/2023

Sample Time: 08:45

Analysis Date: 03/13/2023

Analysis Time: 06:47

Sample Pressure: 48 psig

Sample Temp: 55 °F

Sampling Flow Rate: 2750 MCF/D

Ambient Air Temp: 50 °F

Heating Method Utilized: Yes

Sampling Method: Fill & Empty

Device: (GC) S10

Make & Model: Shimadzu GC 2014

Last Verification Date: 03/09/2023

Received by OCD: 2/6/2024 5:54:24 PM									Page 3 of 8
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	
1/31/2024	Nandina	VRU Discharge	82.85	Flared	4:14 PM	11:01 PM	7.32	Oxygen	Facility got an O2 spike because sales blowers
1/31/2024	Pinestraw	LP Flare Estimation Sheet - Contact Tower	73.34	Flared	12:00 AM	11:56 PM	0.10	Insufficient Availability	Tanks pressured up and gas had to be flared. B
1/31/2024	Red Bud	VRU Discharge	77.73	Flared	12:01 AM	11:28 PM	10.83	Flared more than 8 HRs	Note: Flare numbers were manually switched
2/1/2024	Nandina	HP Flare - VRU Discharge	131.99	Flared	12:02 AM	2:36 PM	8.71	Flared more than 8 HRs	Facility got an O2 spike because sales blowers
2/1/2024	Nandina	LP Flare Estimation Sheet - Tank Pressure, Valve Status	52.07	Flared	12:01 AM	11:56 PM	0.10	Oxygen	Sales blowers were switched off to purge the t
2/1/2024	Pinestraw	VRU Discharge	96.09	Flared	12:06 AM	11:52 PM	23.92	Flared more than 8 HRs	Facility was getting some O2 spikes
2/1/2024	Pinestraw	LP Flare Estimation Sheet - Tank Pressure, Valve Status	65.01	Flared	12:02 AM	11:39 AM	16.32	Flared more than 8 HRs	Sales blowers are currently switched off since
2/1/2024	Red Bud	VRU Discharge	74.45	Flared	12:00 AM	12:32 PM	11.47	Flared more than 8 HRs	Facility got an O2 spike so gas had to be flare
2/2/2024	Nan 1.5N	HP Graph Tags - TankLogix	73.84	Flared	11:00 AM	12:14 PM	0.12	Insufficient Availability	Line pressure got high so gas had to flared
2/2/2024	Nandina	VRU Discharge	55.34	Flared	3:52 PM	11:58 PM	3.38	Oxygen	Facility got an O2 spike because sales blowers
2/2/2024	Pinestraw	VRU Discharge	60.22	Flared	12:02 AM	5:25 PM	5.17	Oxygen	Facility was getting some O2 spikes
2/2/2024	Pinestraw	LP Flare Estimation Sheet - Tank Pressure, Valve Status	160.88	Flared	8:15 AM	11:57 PM	11.79	Flared more than 8 HRs	Sales blowers are currently switched off since
2/3/2024	Nandina	VRU Discharge	191.23	Flared	12:00 AM	3:20 PM	11.47	Flared more than 8 HRs	Facility got an O2 spike because sales blowers
2/3/2024	Pinestraw	LP Flare Estimation Sheet - Tank Pressure, Valve Status	135.57	Flared	12:00 AM	11:57 PM	18.32	Flared more than 8 HRs	Sales blowers are currently switched off since
2/4/2024	Amen Corner	HP Flare	556.00	Flared	12:00 AM	11:59 PM	24.00	Oxygen	Note: Flare meter is not showing a rate despit
2/4/2024	Amen Corner	VRU Discharge	61.40	Flared	10:06 AM	7:26 PM	6.67	Oxygen	Facility opened up production after all the equ
2/4/2024	Nan 1.5N	HP Graph Tags - TankLogix	111.11	Flared	2:58 AM	7:19 PM	0.25	Insufficient Availability	Midstream Company is not able to keep up wit
2/4/2024	Pinestraw	LP Flare Estimation Sheet - Tank Pressure, Valve Status	98.34	Flared	12:00 AM	11:59 PM	24.00	Flared more than 8 HRs	Sales blowers are currently switched off since
2/5/2024	Amen Corner	LP Flare Estimation Sheet - Tank Pressure, Valve Status	51.80	Flared	12:00 AM	11:59 PM	4.15	Malfunction	Tanks are isolated from the sales blower and
2/5/2024	Nan 1.5N	HP Graph Tags - TankLogix	212.29	Flared	9:31 AM	10:55 PM	0.40	Insufficient Availability	Midstream Company is not able to keep up wit
2/5/2024	Pinestraw	LP Flare Estimation Sheet - Tank Pressure, Valve Status	113.24	Flared	12:00 AM	11:57 PM	15.55	Flared more than 8 HRs	Sales blowers are currently switched off since

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State of New Mexico
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Oil Conservation Division
1220 S. St Francis Dr.
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DEFINITIONS

Action 312083

DEFINITIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 312083
	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 312083

QUESTIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 312083
	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	[fAPP2203846035] AMEN CORNER
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 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

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	79
Nitrogen (N2) percentage, if greater than one percent	1
Hydrogen Sulfide (H2S) PPM, rounded up	1
Carbon Dioxide (CO2) percentage, if greater than one percent	3
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	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 312083

QUESTIONS (continued)

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 312083
	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	02/04/2024
Time vent or flare was discovered or commenced	12:00 AM
Time vent or flare was terminated	11:59 PM
Cumulative hours during this event	24

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: Commissioning to Purge Flow Line - Production Natural Gas Flared Released: 556 Mcf Recovered: 0 Mcf Lost: 556 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	
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	Facility was sent to HP Flare to purge the O2.
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 have a designated personnel just to deal with oxygen issue now, hoping to minimize any flare resulting from oxygen spike.

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ACKNOWLEDGMENTS

Action 312083

ACKNOWLEDGMENTS

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	Action Number: 312083
	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

Action 312083

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Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 312083
	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.	2/6/2024