

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

**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

5/30/2024	Red Bud	LP Flare Estimation Sheet - Tank Pressure, Valve Status	160.75	157.59	Flared	3:06 AM	10:35 PM	6.73	Malfunction	Manually changed west LP vent
5/31/2024	Received by OGD: 6/27/2024 12:41:00 PM	HP Graph Tags - TankLogix	566.53	555.43	Flared	12:01 AM	4:01 AM	3.37	Repair/Maintenance	Facility was sent to Page 3 of 8
6/1/2024	Nandina	LP Flare Estimation Sheet - Tank Pressure, Valve Status	51.74	50.73	Flared	8:36 AM	11:56 PM	5.50	Oxygen	Sales blowers were switched of
6/2/2024	Nandina	HP Flare - VRU Discharge	114.90	112.65	Flared	1:54 AM	8:31 AM	4.52	Oxygen	Facility was getting O2 spikes fro
6/2/2024	Nandina	LP Flare Estimation Sheet - Tank Pressure, Valve Status	66.57	65.27	Flared	12:00 AM	11:50 PM	5.52	Oxygen	Sales blowers were switched of
6/3/2024	Amen Corner	LP Flare Estimation Sheet - Tank Pressure, Valve Status	80.28	78.71	Flared	1:10 PM	11:59 PM	6.38	Insufficient Availability	Sales blowers were faulting thro
6/3/2024	Nandina	LP Flare Estimation Sheet - Tank Pressure, Valve Status	89.38	87.62	Flared	12:02 AM	11:54 PM	10.80	Flared more than 8 HRs	Sales blowers were switched of
6/4/2024	Amen Corner	LP Flare Estimation Sheet - Tank Pressure, Valve Status	111.06	108.88	Flared	12:00 AM	5:28 PM	8.40	Flared more than 8 HRs	Sales blowers were faulting thro
6/4/2024	Nandina	HP Graph Tags - TankLogix	136.00	133.33	Flared	12:58 PM	11:28 PM	1.90	Repair/Maintenance	Note: Manually moved the 5 MC
6/5/2024	Nandina	HP Graph Tags - TankLogix	50.81	49.82	Flared	12:17 AM	11:04 AM	0.63	Repair/Maintenance	It seems like the flare scrubber r
6/7/2024	Red Bud	HP Graph Tags - TankLogix	107.85	105.74	Flared	3:25 AM	7:30 PM	1.00	Repair/Maintenance	The regulator on the BPV for the
6/8/2024	Nandina	HP Graph Tags - TankLogix	82.56	80.94	Flared	6:16 PM	7:02 PM	0.58	Insufficient Availability	Line pressure has been getting u
6/9/2024	Amen Corner	Blowdown Meter	62.05	60.83	Flared	10:38 AM	11:59 PM	12.42	Flared more than 8 HRs	Heater was being purged to test
6/10/2024	Amen Corner	Blowdown Meter	70.33	68.95	Flared	12:00 AM	10:59 PM	13.92	Flared more than 8 HRs	Heater was being purged to test
6/10/2024	Red Bud	HP Flare - VRU Discharge	50.63	49.63	Flared	4:16 AM	5:30 AM	1.25	Repair/Maintenance	Sample probe had a leak on it so
6/11/2024	Firethorn	LP Flare Estimation Sheet - Contact Tower	122.80	120.39	Flared	12:34 PM	6:15 PM	1.62		
6/11/2024	Firethorn	LP Flare Estimation Sheet - Clean VRT	82.65	81.03	Flared	5:54 AM	8:33 PM	3.85		
6/11/2024	Nan 1.5N	HP Graph Tags - TankLogix	984.55	965.25	Flared	1:25 PM	6:12 PM	1.70	Emergency	Line pressure was staying high b
6/11/2024	Nandina	HP Graph Tags - TankLogix	105.25	103.19	Flared	1:10 PM	9:10 PM	2.68	Insufficient Availability	Pinion was shut in for most of th
6/12/2024	Nan 1.5N	HP Graph Tags - TankLogix	190.96	187.22	Flared	7:12 AM	8:31 AM	0.25	Insufficient Availability	Line pressure was staying high b
6/12/2024	Nandina	HP Graph Tags - TankLogix	292.19	286.46	Flared	7:11 AM	11:57 PM	2.25	Insufficient Availability	Scrubber pressures got above 95
6/12/2024	Nandina	HP Flare - VRU Discharge	91.58	89.79	Flared	10:12 AM	9:14 PM	3.28	Oxygen	One of the tank pressures dropp
6/13/2024	Red Bud	HP Flare - VRU Discharge	218.13	213.85	Flared	11:15 AM	3:54 PM	4.67		
6/18/2024	Amen Corner	HP Flare - VRU Discharge	127.70	125.20	Flared	12:00 AM	11:43 PM	17.65	Flared more than 8 HRs	Tanks/VRTs are being purged th
6/18/2024	Amen Corner	LP Flare Estimation Sheet - Tank Pressure, Valve Status	80.69	79.11	Flared	10:14 AM	4:47 PM	6.47	Oxygen	Sales blowers were kept off to a
6/19/2024	Amen Corner	HP Flare - VRU Discharge	129.35	126.81	Flared	12:00 AM	11:36 PM	21.41	Flared more than 8 HRs	Tanks/VRTs are being purged th
6/19/2024	Red Bud	HP Flare - VRU Discharge	289.13	283.46	Flared	1:55 AM	8:39 AM	6.75	Oxygen	Sample probe on the stationary
6/20/2024	Nan 1.5N	HP Graph Tags - TankLogix	638.94	626.41	Flared	8:33 AM	11:35 AM	1.13	Emergency	Line pressure was high across th

District I
 1625 N. French Dr., Hobbs, NM 88240
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District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720

District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

DEFINITIONS

Action 359233

DEFINITIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 359233
	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 359233

QUESTIONS

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	Action Number: 359233
	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	[fAPP2304126884] NAN/GB 4N SATELLITE

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	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.

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	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

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 359233

QUESTIONS (continued)

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 359233
	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	06/20/2024
Time vent or flare was discovered or commenced	08:33 AM
Time vent or flare was terminated	11:35 AM
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: Power Failure Flow Line - Production Natural Gas Flared Released: 626 Mcf Recovered: 0 Mcf Lost: 626 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	Line pressure was high across the field around the time the field lost power.
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 prevent power failure in the future.

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ACKNOWLEDGMENTS
 Action 359233

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	Action Number: 359233
	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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	Action Number: 359233
	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.	6/27/2024