

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

Sample Time: 08:40

Analysis Date: 07/10/2023

Analysis Time: 15:44

Sample Pressure: 78 psig

Sample Temp: 87 °F

Sampling Flow Rate: N/A MCF/D

Ambient Air Temp: 76 °F

Heating Method Utilized: Yes

Sampling Method: Fill & Empty

Device: (GC) S14

Make & Model: Shimadzu GC 2014

Last Verification Date: 07/06/2023

Received by OCD: 4/18/2024 4:25:03 PM	4/3/2024	Nandina	HP Flare - VRU Discharge	488.25	Flared	12:00 AM	11:59 PM	18.82	Flared more than 8 HRs	Changed flare amount from 1010 MCF to 488 MCF because the tag was i
	4/3/2024	Red Bud	HP Flare - VRU Discharge	229.19	Flared	12:00 AM	11:24 PM	22.51	Flared more than 8 HRs	Tanks have high O2 so they are being purged through the facility flare s
	4/4/2024	Nan 1.5N	HP Flare	144.38	Flared	12:02 AM	8:42 PM	0.25	Insufficient Availability	Midstream Company is not able to keep up with our gas so line pressur
	4/4/2024	Nandina	HP Flare - VRU Discharge	401.79	Flared	12:01 AM	11:18 PM	15.52	Flared more than 8 HRs	Changed flare amount from 1000 MCF to 401 MCF because the tag was i
	4/4/2024	Red Bud	HP Flare - VRU Discharge	245.43	Flared	12:00 AM	11:54 PM	23.24	Flared more than 8 HRs	Tanks have high O2 so they are being purged through the facility flare s
	4/5/2024	Red Bud	HP Flare - VRU Discharge	353.81	Flared	12:00 AM	11:55 PM	23.08	Flared more than 8 HRs	Tanks have high O2 so they are being purged through the facility flare s
	4/6/2024	Amen Corner	HP Flare	205.00	Flared	2:50 AM	11:13 PM	1.08	Insufficient Availability	Line pressure got to 119+ PSI at one point, causing gas to go to HP Flare
	4/6/2024	Amen Corner	LP Flare Estimation Sheet - Tank Pressure, Valve Status	95.70	Flared	1:58 AM	11:40 PM	6.54	Malfunction	Sales/Flare blowers faulting were faulting on high discharge pressure/te
	4/6/2024	Nan 1.5N	HP Flare	528.60	Flared	4:06 AM	11:21 PM	0.85	Malfunction	Pinion was going down a lot, so line pressure was getting high and gas l
	4/6/2024	Red Bud	HP Flare - VRU Discharge	498.66	Flared	12:00 AM	11:37 PM	22.76	Flared more than 8 HRs	Tanks have high O2 so they are being purged through the facility flare s
	4/7/2024	Amen Corner	HP Flare	57.31	Flared	12:15 AM	9:53 PM	0.51	Oxygen	Pinion was having O2/Compressor issues causing line pressure to get h
	4/7/2024	Amen Corner	LP Flare Estimation Sheet - Tank Pressure, Valve Status	191.82	Flared	1:58 AM	11:59 PM	10.40	Flared more than 8 HRs	Sales/Flare blowers were faulting constantly because of high discharge
	4/7/2024	Firethorn	Contact Tower	54.78	Flared	2:52 AM	9:34 AM	0.68	Insufficient Availability	Blowers were faulting on high discharge because the VRUs were down,
	4/7/2024	Nan 1.5N	HP Flare	66.68	Flared	3:19 AM	3:30 PM	0.21	Oxygen	Pinion was having O2/Compressor issues, causing the pipeline to press
	4/7/2024	Nandina	HP Flare	236.63	Flared	8:07 AM	10:04 AM	2.00	Oxygen	Pinion was having O2/Compressor issues causing line pressure to get h
	4/7/2024	Nandina	HP Flare - VRU Discharge	96.61	Flared	3:55 AM	6:40 PM	10.87	Flared more than 8 HRs	Tanks had a pressure drop and went down close to zero, causing them t
	4/7/2024	Red Bud	HP Flare - VRU Discharge	349.88	Flared	12:11 AM	6:44 PM	14.51	Flared more than 8 HRs	Tanks have high O2 so they are being purged through the facility flare s
	4/8/2024	Amen Corner	LP Flare Estimation Sheet - Tank Pressure, Valve Status	272.74	Flared	12:00 AM	3:04 PM	11.92	Flared more than 8 HRs	Sales/Flare blowers were faulting constantly because of high discharge
	4/8/2024	Nan 1.5N	HP Flare	75.84	Flared	3:15 AM	9:13 PM	0.08	Oxygen	Pinion was having O2/Compressor issues, causing the pipeline to press
	4/8/2024	Nandina	HP Flare - VRU Discharge	299.41	Flared	4:59 AM	11:53 PM	18.89	Flared more than 8 HRs	Tanks lost pressure yeseterday and have had O2 in them. Turning off sa
	4/8/2024	Red Bud	HP Flare - VRU Discharge	56.81	Flared	12:26 PM	2:15 PM	1.83	Oxygen	Facility was sent manually to flare due to Gila getting O2.
	4/9/2024	Firethorn	Contact Tower	295.80	Flared	12:03 PM	5:41 PM	3.79	Maintanence	Tank PTs were being serviced so turned off blowers causing tank pressu
Released to Imaging: 4/18/2024 4:28:42 PM	4/9/2024	Nandina	HP Flare - VRU Discharge	243.31	Flared	12:00 AM	3:33 PM	15.52	Flared more than 8 HRs	Sales blowers were running till midday, before they were switched off

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
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 335169

DEFINITIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 335169
	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">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.
--

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
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

QUESTIONS

Action 335169

QUESTIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 335169
	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.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
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

QUESTIONS, Page 2

Action 335169

QUESTIONS (continued)

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 335169
	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	04/06/2024
Time vent or flare was discovered or commenced	04:06 AM
Time vent or flare was terminated	11:21 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: High Line Pressure Flow Line - Production Natural Gas Flared Released: 518 Mcf Recovered: 0 Mcf Lost: 518 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	Pinion was going down a lot, so line pressure was getting 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 request Pinion to give us earlier notification going forward.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
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

ACKNOWLEDGMENTS

Action 335169

ACKNOWLEDGMENTS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 335169
	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.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
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

CONDITIONS

Action 335169

CONDITIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 335169
	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.	4/18/2024