

**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

**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

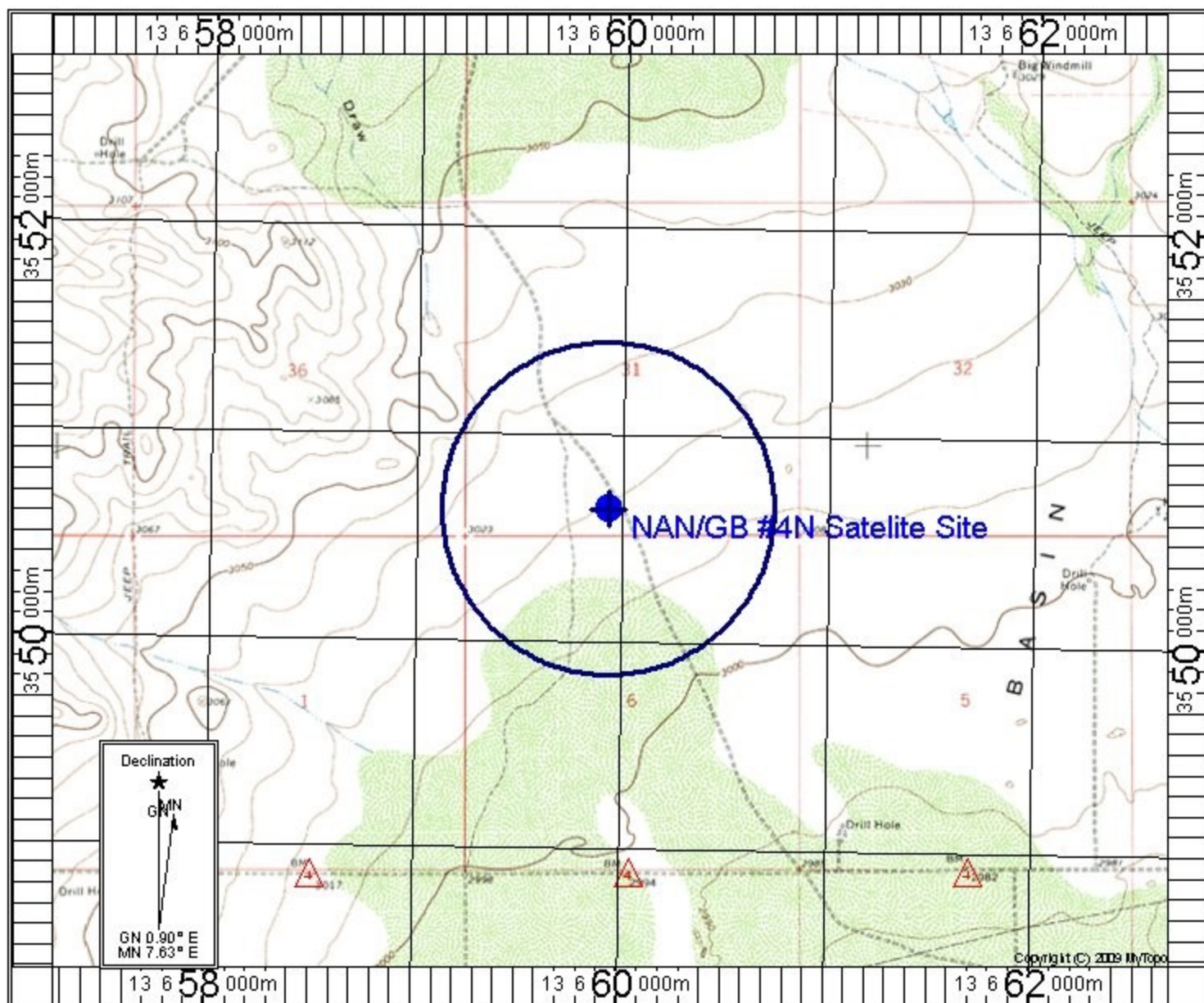
**Sampling Method:** Fill & Empty

**Device:** (GC) S14

**Make & Model:** Shimadzu GC 2014

**Last Verification Date:** 07/06/2023

NA	NA	NA	9/6/2023	Nandina	LP - Vent flare/Blower Flare	67.45		4.90	Repair/Maintenance	Tank faulted on permissive because hatches were being serviced	Routine Repair and Maintenance	
Received by OCD: 9/13/2023 10:34:23 AM												
		fAPP2304126884	9/6/2023	Nandina 1.5N	HP Flare	176.32	1:34 PM	10:34 PM	0.31	Malfunction	Pinion lost units at Gila/WH	Non-Scheduled Maintenance or Malfunction
NA	NA	NA	9/7/2023	Nandina 1.5N	HP Flare	62.34			0.07	Insufficient Availability	Pinion lost units at Gila/WH due to high operating temperature	Insufficient Availability or Capacity
NA	NA	NA	9/8/2023	Red Bud	VRU Discharge	64.97			1.70	Oxygen	Blanketing valve was not working which introduced O2 into the	Natural Gas Not Suitable for Transportation
Released to Imaging: 9/13/2023 10:52:42 AM												
		fAPP2303928043	9/8/2023	Red Bud	LP - Vent flare/Blower Flare	92.94	3:06 AM	11:14 PM	10.55	Flared more than 8 HRs	Tanks had O2 so they were being purged from the LP Flare.	Natural Gas Not Suitable for Transportation
		fAPP2304126884	9/9/2023	Nandina 1.5N	HP Flare	212.14	7:40 AM	3:01 PM	0.23	Malfunction	Pinion lost units at Gila/WH due to high operating temperature	Non-Scheduled Maintenance or Malfunction



Map Name: JAVELINA BASIN

Horizontal Datum: WGS84

Print Date: 04/18/22

Scale: 1 inch = 2,500 ft.

Map Center: 13 0659928 E 3550642 N

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
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**District II**  
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**District III**  
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**District IV**  
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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 264833

DEFINITIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 264833
	Action Type: [C-129] Venting and/or Flaring (C-129)

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 264833

**QUESTIONS**

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 264833
	Action Type: [C-129] Venting and/or Flaring (C-129)

**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 Well	Unavailable.
Incident Facility	[fAPP2304126884] NAN/GB 4N Satellite

<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	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, minor 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 <b>ANY</b> 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	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 264833

**QUESTIONS (continued)**

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 264833
	Action Type: [C-129] Venting and/or Flaring (C-129)

**QUESTIONS**

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	09/06/2023
Time vent or flare was discovered or commenced	01:34 PM
Time vent or flare was terminated	10:34 PM
Cumulative hours during this event	0

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: 176 Mcf   Recovered: 0 Mcf   Lost: 176 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	Not answered.
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 lost units at Gila/WH.
Steps taken to limit the duration and magnitude of vent or flare	Choked back the wells to limit production.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Will talk to Pinon to notify us earlier next time when they lost equipment.





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ACKNOWLEDGMENTS

Action 264833

**ACKNOWLEDGMENTS**

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	Action Number: 264833
	Action Type: [C-129] Venting and/or Flaring (C-129)

**ACKNOWLEDGMENTS**

<input checked="" type="checkbox"/>	I acknowledge that I am authorized to submit a <i>Venting and/or Flaring</i> (C-129) report on behalf of this operator and understand that this report can be a <b>complete</b> C-129 submission per 19.15.27.8 and 19.15.28.8 NMAC.
<input checked="" type="checkbox"/>	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to this operator) to track any C-129 forms, pursuant to 19.15.27.7 and 19.15.28.8 NMAC and understand that this submission meets the notification requirements of Paragraph (1) of Subsection G and F respectively.
<input checked="" type="checkbox"/>	I hereby certify the statements in this 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 264833

CONDITIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 264833
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
cscayu	If the information provided in this report requires an amendment, submit a [C-129] Amend Venting and/or Flaring Incident (C-129A), utilizing your incident number from this event.	9/13/2023