



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

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

Sample: Nandina CTB  
Sales Meter Run  
Spot Gas Sample @ 51 sig & 86°F

Date Sampled: 05/04/2022

Job Number: 221923.040

**CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286**

COMPONENT	Un-Normalized		
	Mol%	MOL%	GPM
Hydrogen Sulfide*		0.410	
Nitrogen	3.800	3.840	
Carbon Dioxide	1.216	1.229	
Methane	69.402	70.125	
Ethane	10.297	10.404	2.779
Propane	6.787	6.858	1.887
Isobutane	1.247	1.261	0.412
n-Butane	2.917	2.948	0.928
2-2 Dimethylpropane	0.010	0.010	0.004
Isopentane	0.915	0.925	0.338
n-Pentane	0.842	0.850	0.308
Hexanes	0.624	0.644	0.265
Heptanes Plus	<u>0.506</u>	<u>0.496</u>	<u>0.187</u>
	98.563	100.000	7.108

**Computed Real Characteristics Of Heptanes Plus:**

Specific Gravity ----- 3.164 (Air=1)  
Molecular Weight ----- 91.24  
Gross Heating Value ----- 4785 BTU/CF

**Computed Real Characteristics Of Total Sample:**

Specific Gravity ----- 0.829 (Air=1)  
Compressibility (Z) ----- 0.9956  
Molecular Weight ----- 23.90  
Gross Heating Value  
Dry Basis ----- 1332 BTU/CF  
Saturated Basis ----- 1310 BTU/CF

\*Hydrogen Sulfide tested on location by: Stain Tube Method (GPA 2377)  
257.9 Gr/100 CF, 4100 PPMV or 0.410 Mol %

Base Conditions: 14.650 PSI & 60 Deg F

Sampled By: (24) DF  
Analyst: DM  
Processor: HB  
Cylinder ID: T-2841

Certified: FESCO, Ltd. - Alice, Texas

Conan Pierce 361-661-7015

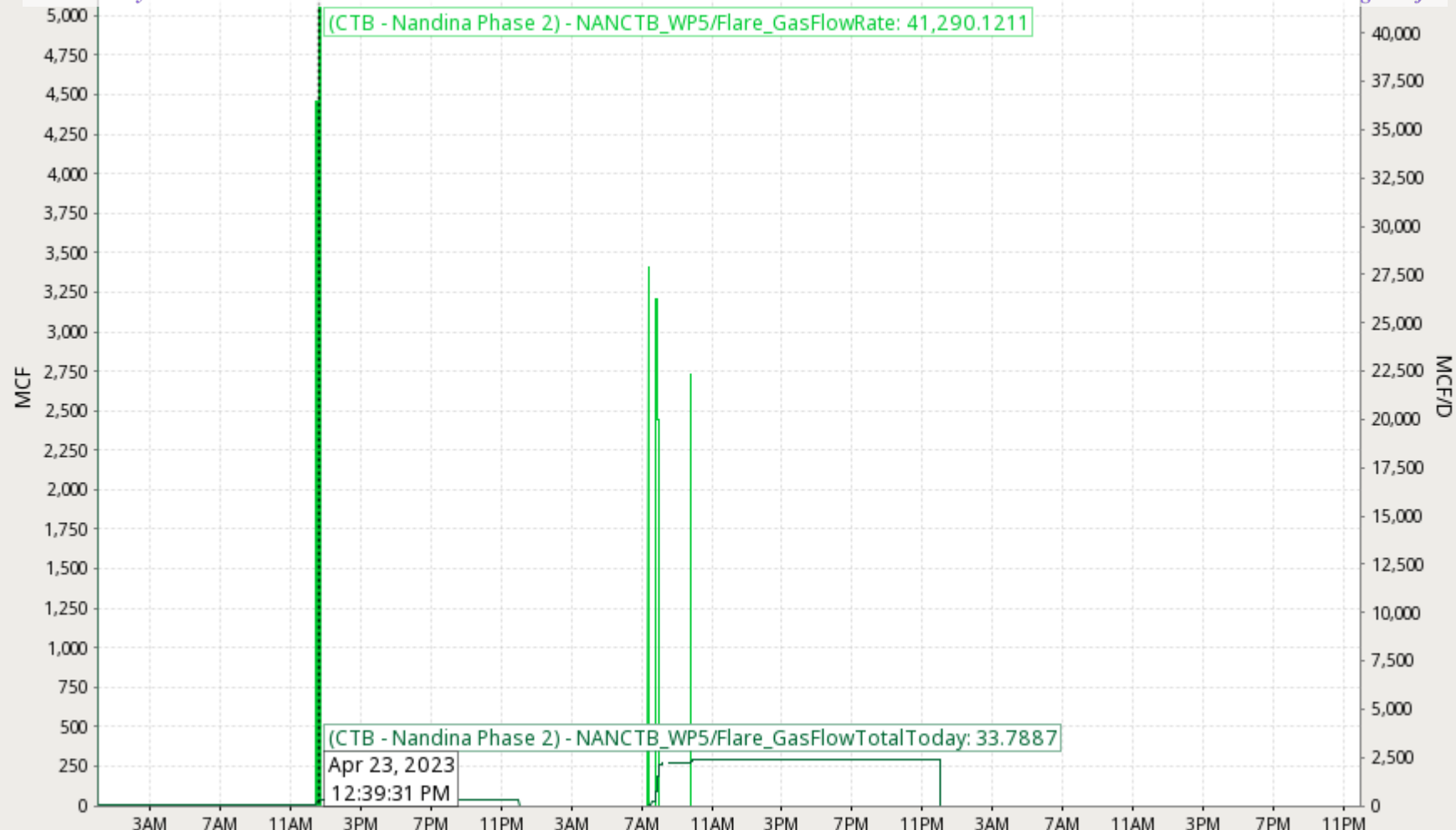
**CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286  
TOTAL REPORT**

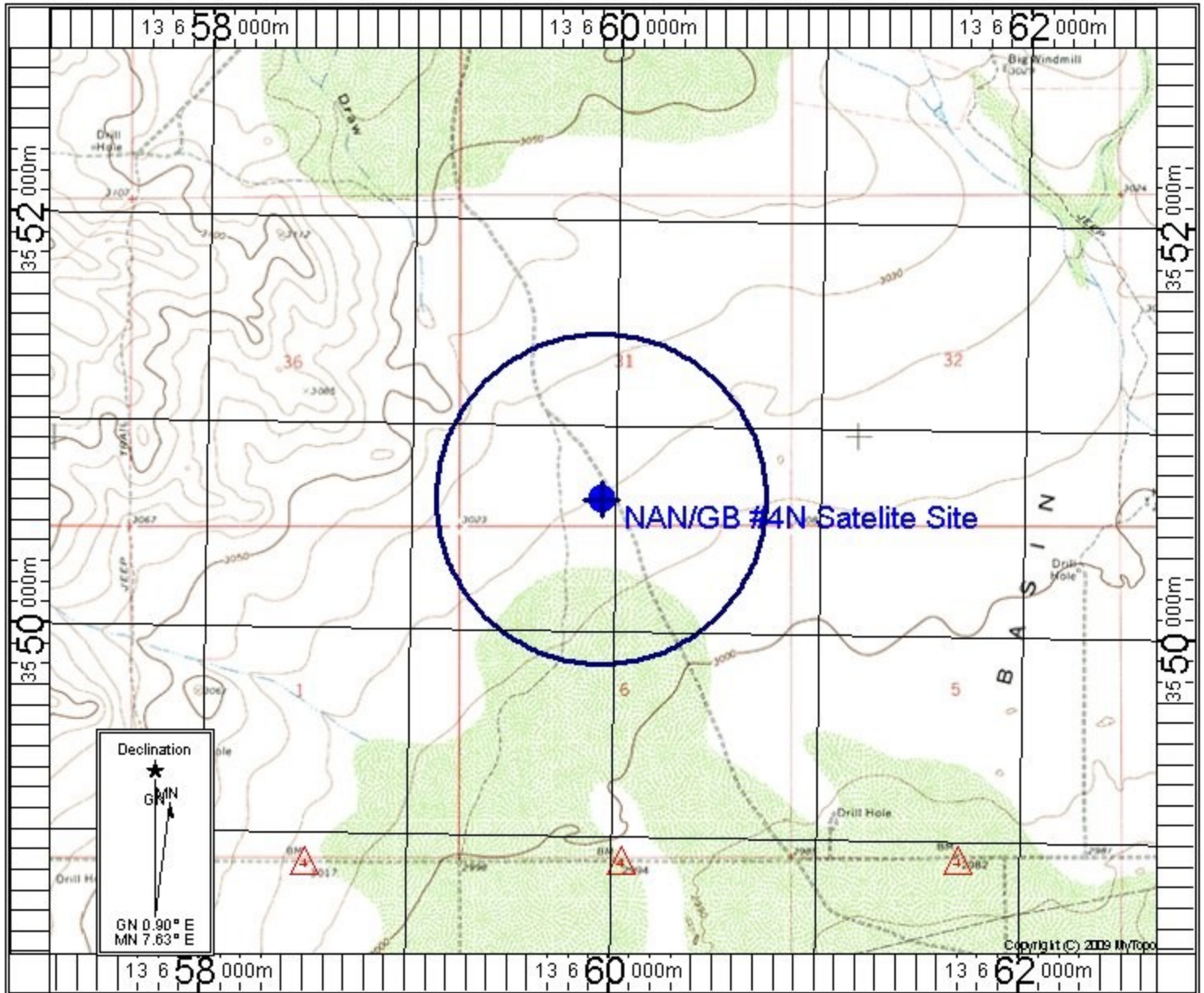
COMPONENT	MOL %	GPM	WT %
Hydrogen Sulfide*	0.410		0.585
Nitrogen	3.840		4.501
Carbon Dioxide	1.229		2.263
Methane	70.125		47.070
Ethane	10.404	2.779	13.089
Propane	6.858	1.887	12.653
Isobutane	1.261	0.412	3.067
n-Butane	2.948	0.928	7.169
2,2 Dimethylpropane	0.010	0.004	0.030
Isopentane	0.925	0.338	2.792
n-Pentane	0.850	0.308	2.566
2,2 Dimethylbutane	0.011	0.005	0.040
Cyclopentane	0.000	0.000	0.000
2,3 Dimethylbutane	0.074	0.030	0.267
2 Methylpentane	0.210	0.087	0.757
3 Methylpentane	0.129	0.053	0.465
n-Hexane	0.220	0.090	0.793
Methylcyclopentane	0.092	0.033	0.324
Benzene	0.073	0.020	0.239
Cyclohexane	0.090	0.031	0.317
2-Methylhexane	0.021	0.010	0.088
3-Methylhexane	0.024	0.011	0.101
2,2,4 Trimethylpentane	0.000	0.000	0.000
Other C7's	0.057	0.025	0.237
n-Heptane	0.033	0.015	0.138
Methylcyclohexane	0.043	0.017	0.177
Toluene	0.027	0.009	0.104
Other C8's	0.022	0.010	0.101
n-Octane	0.005	0.003	0.024
Ethylbenzene	0.001	0.000	0.004
M & P Xylenes	0.002	0.001	0.009
O-Xylene	0.001	0.000	0.004
Other C9's	0.004	0.002	0.021
n-Nonane	0.001	0.001	0.005
Other C10's	0.000	0.000	0.000
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	7.108	100.000

**Computed Real Characteristics Of Total Sample:**

Specific Gravity -----	0.829	(Air=1)
Compressibility (Z) -----	0.9956	
Molecular Weight -----	23.90	
Gross Heating Value		
Dry Basis -----	1332	BTU/CF
Saturated Basis -----	1310	BTU/CF

<b>Sample Date:</b> 05/04/2022	<b>Ambient Air Temp:</b> 78 °F
<b>Sample Time:</b> 11:15	<b>Heating Method Utilized:</b> Yes
<b>Analysis Date:</b> 05/13/2022	<b>Sampling Method:</b> Fill & Empty
<b>Analysis Time:</b> 10:40	<b>Device:</b> (GC) S15
<b>Sample Pressure:</b> 51 psig	<b>Make &amp; Model:</b> Shimadzu GC 2014
<b>Sample Temp:</b> 86 °F	<b>Last Verification Date:</b> 05/05/2022
<b>Sampling Flow Rate:</b> 4891 MCF/D	





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 211459

**DEFINITIONS**

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 211459
	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:

- 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 211459

**QUESTIONS**

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 211459
	Action Type: [C-129] Venting and/or Flaring (C-129)

**QUESTIONS**

<b>Prerequisites</b>	
<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 Well	Unavailable.
Incident Facility	[fAPP2304126884] NAN/GB 4N Satellite

<b>Determination of Reporting Requirements</b>	
<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, minor 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

<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>	
<i>Please provide the mole percent for the percentage questions in this group.</i>	
Methane (CH4) percentage	70
Nitrogen (N2) percentage, if greater than one percent	4
Hydrogen Sulfide (H2S) PPM, rounded up	4,100
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 211459

**QUESTIONS (continued)**

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 211459
	Action Type: [C-129] Venting and/or Flaring (C-129)

**QUESTIONS**

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	04/24/2023
Time vent or flare was discovered or commenced	07:30 AM
Time vent or flare was terminated	10:00 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: Commissioning to Purge   Pipeline (Any)   Natural Gas Flared   Released: 294 Mcf   Recovered: 0 Mcf   Lost: 294 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	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	We had oxygen in the system, and could only flare to purge it out.
Steps taken to limit the duration and magnitude of vent or flare	We choked back the wells.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	We will pump oxygen scavenger in the stream.

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ACKNOWLEDGMENTS

Action 211459

**ACKNOWLEDGMENTS**

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 211459
	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 211459

**CONDITIONS**

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 211459
	Action Type: [C-129] Venting and/or Flaring (C-129)

**CONDITIONS**

Created By	Condition	Condition Date
cescayu	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.	5/2/2023