



**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		GPM
	Mol%	MOL%	
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:**

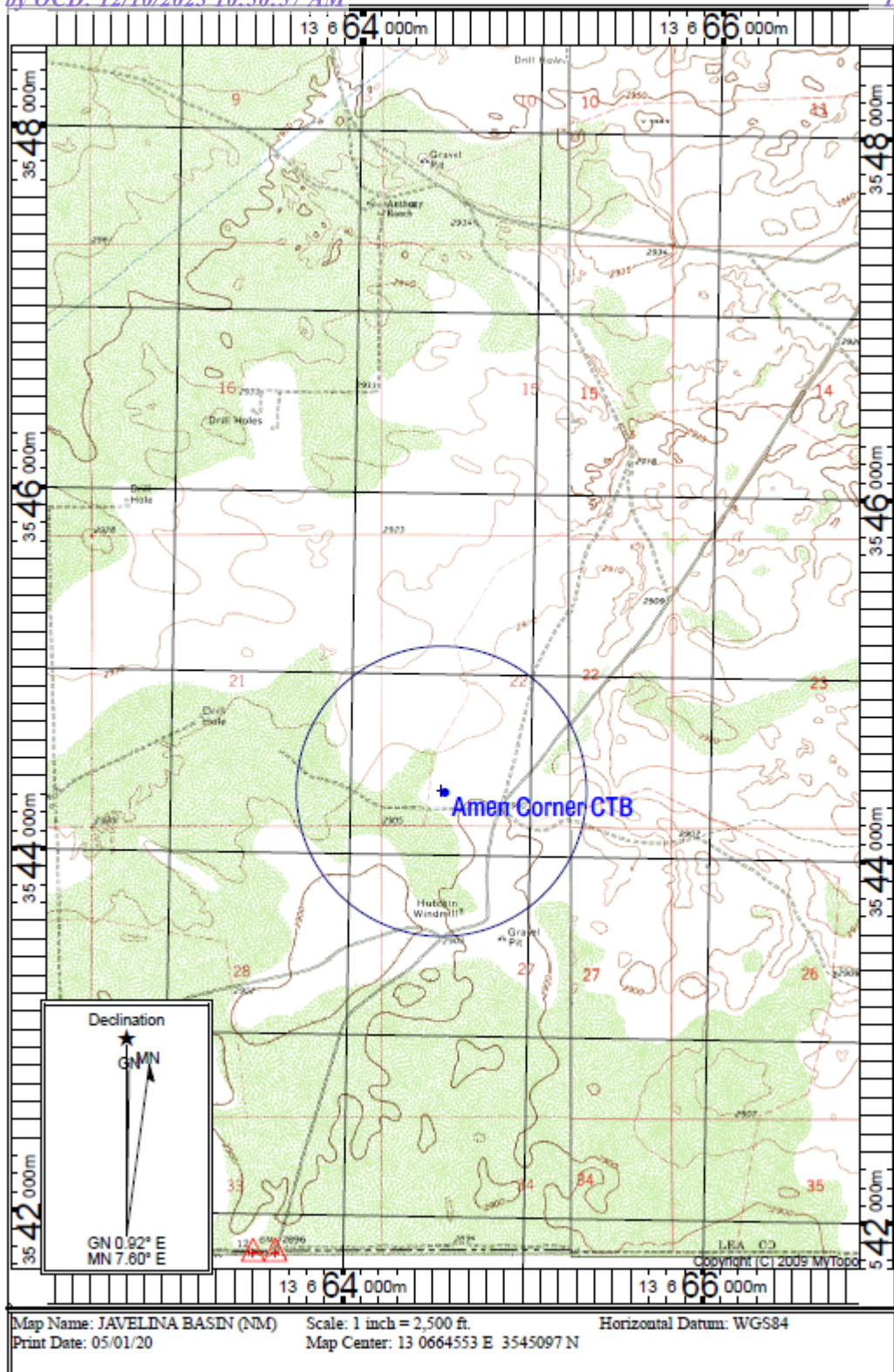
Specific Gravity -----	0.752	(Air=1)
Compressibility (Z) -----	0.9963	
Molecular Weight -----	21.69	
Gross Heating Value		
Dry Basis -----	1248	BTU/CF
Saturated Basis -----	1227	BTU/CF

<b>Sample Date:</b> 03/04/2023	<b>Ambient Air Temp:</b> 50 °F
<b>Sample Time:</b> 08:45	<b>Heating Method Utilized:</b> Yes
<b>Analysis Date:</b> 03/13/2023	<b>Sampling Method:</b> Fill & Empty
<b>Analysis Time:</b> 06:47	<b>Device:</b> (GC) S10
<b>Sample Pressure:</b> 48 psig	<b>Make &amp; Model:</b> Shimadzu GC 2014
<b>Sample Temp:</b> 55 °F	<b>Last Verification Date:</b> 03/09/2023
<b>Sampling Flow Rate:</b> 2750 MCF/D	

Received by OCD: 12/10/2023 10:50:57 AM

12/6/2023	11/24/2023	Amen Corner	VRU Discharge	233.69	Flared	12:00 AM	11:59 PM	23.97	Flared more than 8 HRs	Getting large O
12/6/2023	11/24/2023	Nandina	VRU Discharge	204.90	Flared	12:02 AM	2:42 PM	15.02	Flared more than 8 HRs	Oxygen detecte
12/6/2023	11/24/2023	Pinestraw	VRU Discharge	249.22	Flared	12:02 AM	11:52 PM	24.83	Flared more than 8 HRs	Oxygen detecte
12/6/2023	11/24/2023	Red Bud	VRU Discharge	220.56	Flared	12:00 AM	11:59 PM	24.02	Flared more than 8 HRs	Oxygen detecte
12/6/2023	11/25/2023	Amen Corner	VRU Discharge	80.76	Flared	12:00 AM	11:59 PM	15.62	Flared more than 8 HRs	Getting large O
12/6/2023	11/25/2023	Nandina	VRU Discharge	477.94	Flared	12:53 AM	11:43 PM	23.15	Flared more than 8 HRs	Darkhorse caug
12/6/2023	11/25/2023	Pinestraw	VRU Discharge	160.95	Flared	12:52 AM	11:40 PM	23.17	Flared more than 8 HRs	Darkhorse caug
12/6/2023	11/25/2023	Red Bud	VRU Discharge	276.77	Flared	12:01 AM	11:55 PM	23.98	Flared more than 8 HRs	Darkhorse caug
12/6/2023	11/26/2023	Nan 1.5N	HP Flare	244.53	Flared	9:30 AM	11:12 AM	1.12	Emergency	Pinion is not in
12/6/2023	11/26/2023	Amen Corner	VRU Discharge	52.73	Flared	12:00 AM	11:59 PM	24.00	Flared more than 8 HRs	Getting large O
12/6/2023	11/26/2023	Nandina	VRU Discharge	314.55	Flared	12:02 AM	11:07 PM	24.00	Flared more than 8 HRs	Getting large O
12/6/2023	11/27/2023	Nandina	VRU Discharge	85.02	Flared	12:02 AM	11:46 PM	24.00	Flared more than 8 HRs	Darkhorse is no
12/6/2023	11/28/2023	Red Bud	VRU Discharge	84.76	Flared	12:01 AM	11:15 PM	24.00	Flared more than 8 HRs	Pinion is out of

Released to Imaging: 12/10/2023 11:03:52 AM



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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 292909

**DEFINITIONS**

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 292909
	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 292909

**QUESTIONS**

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 292909
	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	[fAPP2203846035] Amen Corner

<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	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, 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	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
<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 292909

**QUESTIONS (continued)**

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 292909
	Action Type: [C-129] Venting and/or Flaring (C-129)

**QUESTIONS**

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	11/25/2023
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	16

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: 81 Mcf   Recovered: 0 Mcf   Lost: 81 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	Getting large O2 spikes so currently flaring to purge tanks.
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	Dedicate more personnel to tackle oxygen issues, hoping to reduce future flaring.





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ACKNOWLEDGMENTS

Action 292909

**ACKNOWLEDGMENTS**

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 292909
	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 292909

**CONDITIONS**

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 292909
	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.	12/10/2023