March 10, 2023

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

	Un-Normalized		
COMPONENT	**Mol%**	**MOL%**	**GPM**
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	0.373	0.373	0.156
	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

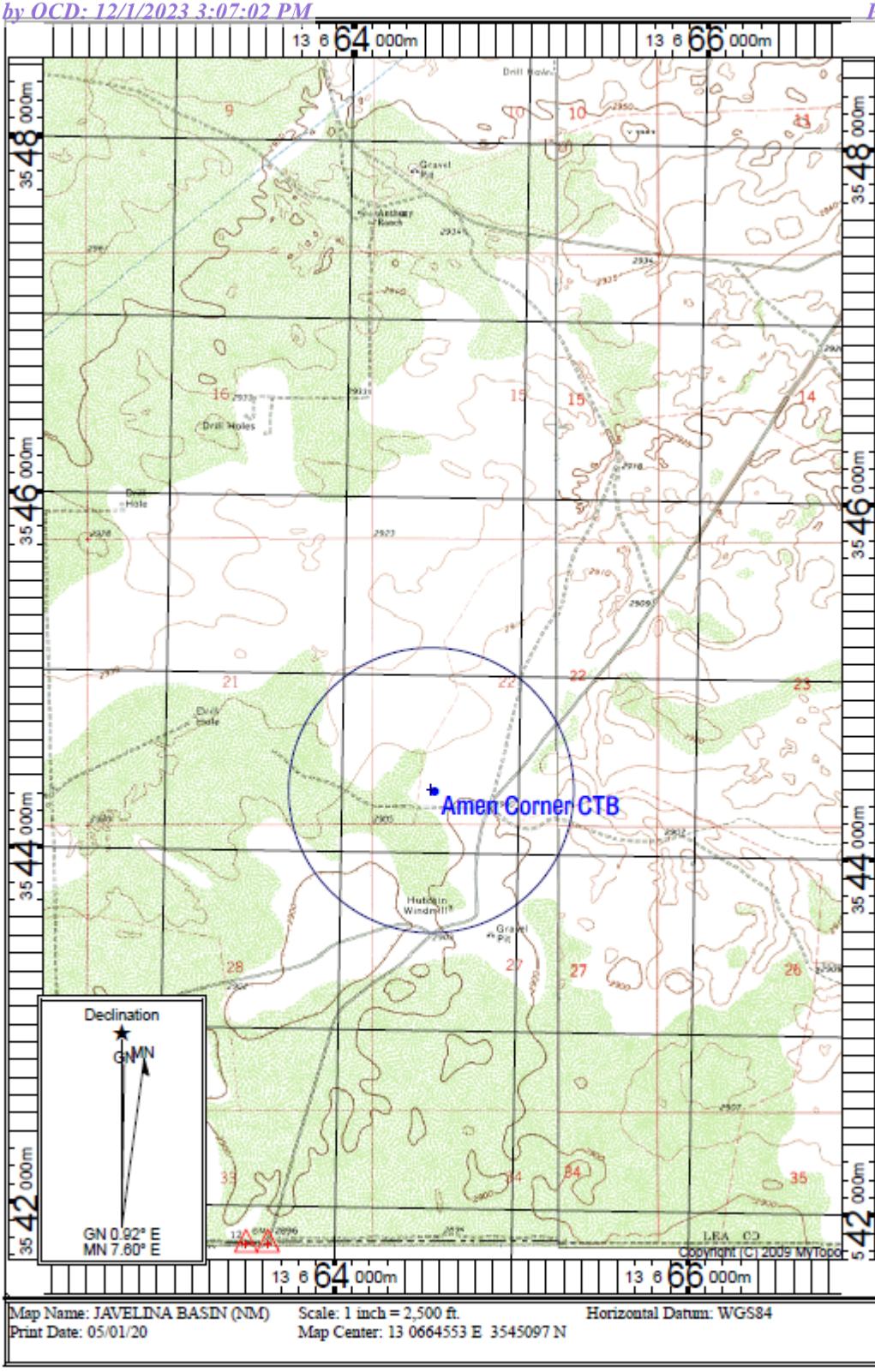
COMPONENT	MOL %	GPM	WT %
Hydrogen Sulfide*	1.000		1.571
Nitrogen	1.047		1.352
Carbon Dioxide	2.601		5.277
Methane	79.008		58.432
Ethane	7.444	2.038	10.319
Propane	4.212	1.188	8.563
Isobutane	1.081	0.362	2.897
n-Butane	1.681	0.542	4.504
2,2 Dimethylpropane	0.017	0.007	0.057
Isopentane	0.697	0.261	2.318
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)	0.000	0.000	0.000
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

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

NA	NA	NA	NA	11/10/2023	11/9/2023	Nandina	LP - Vent flare/Blower Flare	96.82	Flared	12:19 AM	11:57 PM	0.29	Oxygen	Blowers turned off to prev
U57F5-231123-C-129A	nAPP2331457608	fAPP2203927141	11/23/2023	11/10/2023	11/9/2023	Pinestraw	HP Flare	611.08	Flared	3:24 AM	11:20 PM	17.40	Flared more than 8 HRs	VRU issues throughout the
KN65H-231123-C-1290	nAPP2332779236	fAPP2203927141	11/23/2023	11/10/2023	11/9/2023	Pinestraw	VRU Discharge	87.71	Flared	12:00 AM	11:59 PM	21.55	Flared more than 8 HRs	VRU discharge valve opene
HCY1A-231129-C-129A	nAPP2332823381	fAPP2203856979	11/24/2023	11/11/2023	11/10/2023	Nandina	VRU Discharge	284.31	Flared	8:44 AM	11:02 PM	15.13	Flared more than 8 HRs	Purging oxygen in the pipe
FEAI4-231124-C-129A	nAPP2331577211	fAPP2203927141	11/24/2023	11/11/2023	11/10/2023	Pinestraw	HP Flare	574.95	Flared	12:21 AM	8:15 PM	16.03	Flared more than 8 HRs	All VRUs had issues in the
7GWLH-231124-C-1290	nAPP2332823810	fAPP2203927141	11/24/2023	11/11/2023	11/10/2023	Pinestraw	VRU Discharge	181.61	Flared	12:00 AM	11:48 PM	20.17	Flared more than 8 HRs	Continued O2 flaring from
NA	NA	NA	NA	11/11/2023	11/10/2023	Nan 1.5N	HP Flare	90.69	Flared	9:19 AM	7:10 PM	0.11	Oxygen	Hila O2 Spike at 9 am and r
NA	NA	NA	NA	11/11/2023	11/10/2023	Pinestraw	LP - Vent flare/Blower Flare	77.83	Flared	12:02 AM	11:56 PM	0.21	Malfunction	All VRUs were fixed, allow
XAYUO-231124-C-1290	nAPP2332824279	fAPP2203928043	11/24/2023	11/11/2023	11/10/2023	Red Bud	VRU Discharge	464.61	Flared	8:43 AM	11:39 PM	13.95	Flared more than 8 HRs	O2 was detected at 8:43 AM
RVYGU-231126-C-1290	nAPP2333068403	fAPP2203927141	11/26/2023	11/12/2023	11/11/2023	Pinestraw	VRU Discharge	184.95	Flared	12:48 AM	3:00 PM	11.15	Flared more than 8 HRs	Continued O2 flaring from
NA	NA	NA	NA	11/12/2023	11/11/2023	Nan 1.5N	HP Flare	135.23	Flared	9:57 AM	10:40 PM	0.13	Insufficient Availability	Flaring occurred to due to l
WBP6M-231126-C-129A	nAPP2331641317	fAPP2203928043	11/26/2023	11/12/2023	11/11/2023	Red Bud	VRU Discharge	874.06	Flared	12:00 AM	11:23 PM	22.83	Flared more than 8 HRs	Continued O2 flaring from
VHX4C-231127-C-1290	nAPP2333156535	fAPP2203846035	11/27/2023	11/13/2023	11/12/2023	Amen Corner	VRU Discharge	142.59	Flared	12:00 AM	8:16 PM	14.12	Flared more than 8 HRs	O2 was detected and sent t
M3TCV-231127-C-129A	nAPP2331749209	fAPP2203928043	11/27/2023	11/13/2023	11/12/2023	Red Bud	VRU Discharge	1148.62	Flared	12:00 AM	11:57 PM	22.72	Flared more than 8 HRs	Continued O2 flaring from
NA	NA	NA	NA	11/14/2023	11/13/2023	Amen Corner	VRU Discharge	80.69	Flared	6:58 AM	11:01 PM	4.03	Oxygen	Note: Flare amount is an e
NA	NA	NA	NA	11/14/2023	11/13/2023	Red Bud	VRU Discharge	291.46	Flared	12:00 AM	8:46 PM	6.68	Oxygen	We were getting high O2 fr
M75VU-231128-C-1290	nAPP2333354438	fAPP2203846035	11/29/2023	11/15/2023	11/14/2023	Amen Corner	VRU Discharge	373.69	Flared	1:33 AM	11:42 PM	18.68	Flared more than 8 HRs	Note: Flare amount is an e
		fAPP2203846035		11/16/2023	11/15/2023	Amen Corner	VRU Discharge	201.68	Flared	12:00 AM	11:03 AM	10.08	Flared more than 8 HRs	Note: Flare amount is an e
NA	NA		NA	11/17/2023	11/16/2023	Pinestraw	HP Flare	75.96	Flared	12:19 PM	5:13 PM	3.55	Insufficient Availability	Pinion was shut in so line p



Map Name: JAVELINA BASIN (NM) Scale: 1 inch = 2,500 ft. Horizontal Datum: WGS84
Print Date: 05/01/20 Map Center: 13 0664553 E 3545097 N

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

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 290380
	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 290380

QUESTIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 290380
	Action Type: [C-129] Venting and/or Flaring (C-129)

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 Well	*Unavailable.*
Incident Facility	**[fAPP2203846035] Amen Corner**

Determination of Reporting Requirements	
Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide addional guidance.	
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.**
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 withing 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	79
Nitrogen (N2) percentage, if greater than one percent	1
Hydrogen Sulfide (H2S) PPM, rounded up	1
Carbon Dioxide (C02) percentage, if greater than one percent	3
Oxygen (02) 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 Sufide (H2S) PPM quality requirement	*Not answered.*
Carbon Dioxide (C02) percentage quality requirement	*Not answered.*
Oxygen (02) percentage quality requirement	*Not answered.*

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QUESTIONS (continued)

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 290380
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	11/16/2023
Time vent or flare was discovered or commenced	12:00 AM
Time vent or flare was terminated	11:03 AM
Cumulative hours during this event	10

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: 202 Mcf | Recovered: 0 Mcf | Lost: 202 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	Tanks were getting high O2 so they were switched off later in the day.
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 dedicate more personnel to tackle oxygen issues.

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ACKNOWLEDGMENTS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 290380
	Action Type: [C-129] Venting and/or Flaring (C-129)

ACKNOWLEDGMENTS

☑	I acknowledge that I am authorized to submit a *Venting and/or Flaring* (C-129) report on behalf of this operator and understand that this report can be **a complete** C-129 submission per 19.15.27.8 and 19.15.28.8 NMAC.
☑	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.
☑	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.
☑	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.
☑	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 290380

CONDITIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 290380
	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.	12/1/2023