



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

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

**Sample:** Pinestraw CTB

Sales Meter Run  
 Spot Gas Sample @ 58 psig & 100°F

Date Sampled: 04/01/2023

Job Number: 231769.004

### CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286

COMPONENT	Un-Normalized		
	Mol%	MOL%	GPM
Hydrogen Sulfide*		0.200	
Nitrogen	0.623	0.630	
Carbon Dioxide	0.894	0.904	
Methane	56.447	57.110	
Ethane	14.559	14.728	4.046
Propane	12.384	12.528	3.546
Isobutane	2.759	2.790	0.938
n-Butane	5.782	5.849	1.894
2-2 Dimethylpropane	0.021	0.022	0.009
Isopentane	1.954	1.977	0.743
n-Pentane	1.562	1.581	0.589
Hexanes	1.044	0.988	0.418
Heptanes Plus	<u>0.621</u>	<u>0.693</u>	<u>0.264</u>
	98.650	100.000	12.447

#### Computed Real Characteristics Of Heptanes Plus:

Specific Gravity ----- 3.129 (Air=1)  
 Molecular Weight ----- 89.98  
 Gross Heating Value ----- 4833 BTU/CF

#### Computed Real Characteristics Of Total Sample:

Specific Gravity ----- 1.003 (Air=1)  
 Compressibility (Z) ----- 0.9927  
 Molecular Weight ----- 28.84  
 Gross Heating Value  
   Dry Basis ----- 1708 BTU/CF  
   Saturated Basis ----- 1679 BTU/CF

\*Hydrogen Sulfide tested on location by: Stain Tube Method (GPA 2377)  
 125.8 Gr/100 CF, 2000 PPMV or 0.200 Mol %

Base Conditions: 15.025 PSI & 60 Deg F

Sampled By: (16) R. Elizondo  
 Analyst: JS  
 Processor: HB  
 Cylinder ID: T-6338

Certified: FESCO, Ltd. - Alice, Texas

Conan Pierce 361-661-7015

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

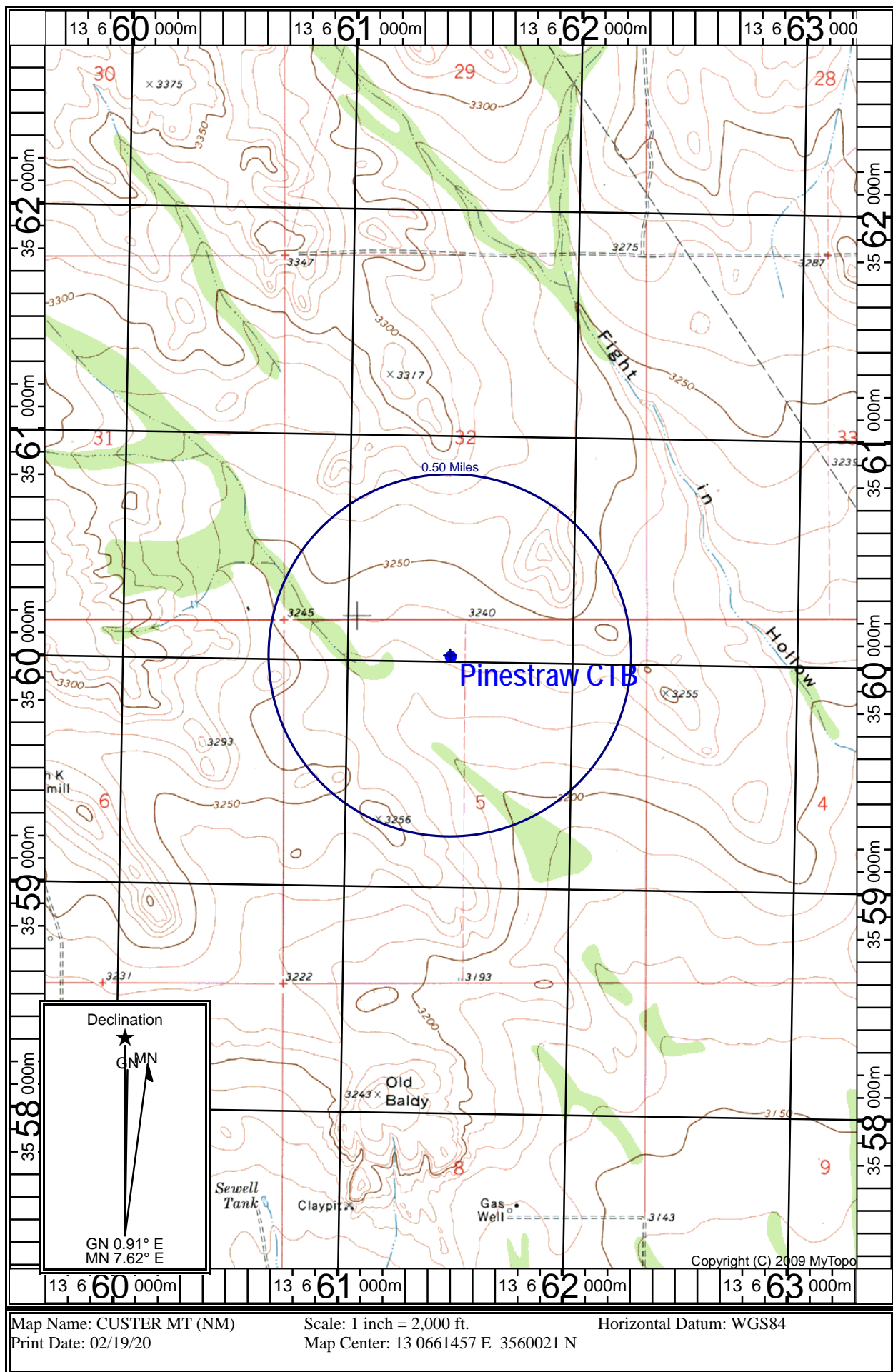
COMPONENT	MOL %	GPM	WT %
Hydrogen Sulfide*	0.200		0.236
Nitrogen	0.630		0.612
Carbon Dioxide	0.904		1.380
Methane	57.110		31.768
Ethane	14.728	4.046	15.358
Propane	12.528	3.546	19.158
Isobutane	2.790	0.938	5.624
n-Butane	5.849	1.894	11.789
2,2 Dimethylpropane	0.022	0.009	0.055
Isopentane	1.977	0.743	4.947
n-Pentane	1.581	0.589	3.956
2,2 Dimethylbutane	0.022	0.009	0.066
Cyclopentane	0.000	0.000	0.000
2,3 Dimethylbutane	0.110	0.046	0.329
2 Methylpentane	0.317	0.135	0.947
3 Methylpentane	0.202	0.085	0.604
n-Hexane	0.337	0.142	1.007
Methylcyclopentane	0.133	0.048	0.388
Benzene	0.104	0.030	0.282
Cyclohexane	0.157	0.055	0.458
2-Methylhexane	0.029	0.014	0.101
3-Methylhexane	0.030	0.014	0.104
2,2,4 Trimethylpentane	0.012	0.006	0.048
Other C7's	0.052	0.023	0.179
n-Heptane	0.040	0.019	0.139
Methylcyclohexane	0.067	0.028	0.228
Toluene	0.045	0.015	0.144
Other C8's	0.019	0.009	0.073
n-Octane	0.003	0.002	0.012
Ethylbenzene	0.001	0.000	0.004
M & P Xylenes	0.001	0.000	0.004
O-Xylene	0.000	0.000	0.000
Other C9's	0.000	0.000	0.000
n-Nonane	0.000	0.000	0.000
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	12.447	100.000

**Computed Real Characteristics Of Total Sample:**

Specific Gravity -----	1.003	(Air=1)
Compressibility (Z) -----	0.9927	
Molecular Weight -----	28.84	
Gross Heating Value		
Dry Basis -----	1708	BTU/CF
Saturated Basis -----	1679	BTU/CF

<b>Sample Date:</b> 04/01/2023	<b>Ambient Air Temp:</b> 54 °F
<b>Sample Time:</b> 09:45	<b>Heating Method Utilized:</b> Yes
<b>Analysis Date:</b> 04/19/2023	<b>Sampling Method:</b> Fill & Empty
<b>Analysis Time:</b> 07:48	<b>Device:</b> (GC) S14
<b>Sample Pressure:</b> 58 psig	<b>Make &amp; Model:</b> Shimadzu GC 2014
<b>Sample Temp:</b> 100 °F	<b>Last Verification Date:</b> 04/13/2023
<b>Sampling Flow Rate:</b> 402 MCF/D	

NA	NA	9/8/2023	Red Bud	VRU Discharge	94.57	1:25 AM	8:15 AM	1.15	Oxygen	Blanketing valve was not working which introduced O2 into the	Natural Gas Not Suitable for Transportation	
Received by OCD: 9/19/2023 1:02:45 PM	nAPP2325641490	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
nAPP2325642140	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 Ma	
		9/12/2023	Nandina 1.5N	HP Flare	437.36	1:04 AM	11:31 PM	1.03	Emergency	Pinion had a power outage and the field was shut in. They were	Emergency	
		9/13/2023	Nandina 1.5N	HP Flare	113.44	5:15 AM	9:37 PM	0.17	Malfunction	Pinion lost some units later in the day	Non-Scheduled Maintenance or Ma	
Released to Imaging: 9/19/2023 1:33:10 PM		9/15/2023	Pinestraw	VRU Discharge	235.92	2:11 AM	10:22 PM	15.80	Flared more than 8 HRs	Got a high O2 alarm because VAC trucks were pushing into the	Natural Gas Not Suitable for Transportation	
		9/16/2023	Red Bud	LP - Vent flare/Blower Flare	94.04	11:18 AM	7:18 PM	7.95	Oxygen	Blowers were initially off to purge the tanks. They were brought	Natural Gas Not Suitable for Transportation	



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**District IV**  
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**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

DEFINITIONS

Action 267058

DEFINITIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 267058
	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 267058

**QUESTIONS**

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 267058
	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	[fAPP2203927141] PINE STRAW

<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	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 <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	57
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 267058

**QUESTIONS (continued)**

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 267058
	Action Type: [C-129] Venting and/or Flaring (C-129)

**QUESTIONS**

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	09/15/2023
Time vent or flare was discovered or commenced	02:11 AM
Time vent or flare was terminated	10:22 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   Pipeline (Any)   Natural Gas Flared   Released: 236 Mcf   Recovered: 0 Mcf   Lost: 236 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	Got a high O2 alarm because VAC trucks were pushing into the tanks which introduced O2 into them.
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 are planning to set up a series of measures to prevent oxygen going into pipeline during VAC truck activity.





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ACKNOWLEDGMENTS  
  
Action 267058

**ACKNOWLEDGMENTS**

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 267058
	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 267058

CONDITIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 267058
	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.	9/19/2023