



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

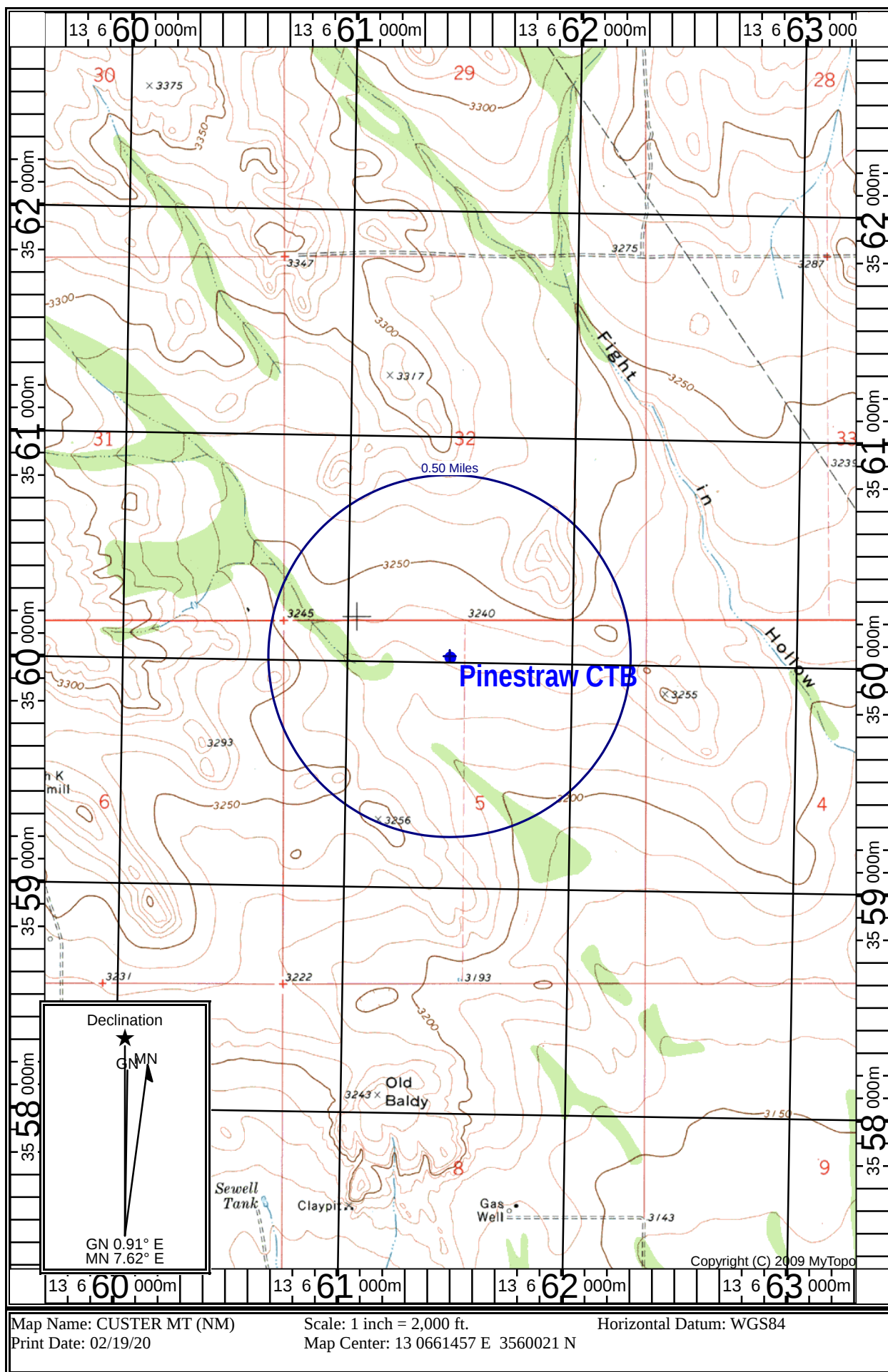
COMPONENT	MOL %	GPM	WT %
Hydrogen Sulfide*	0.200		0.236
Nitrogen	0.630		0.612
Carbon Dioxide	0.904		1.380
Methane	57.110		31.768
Ethane	14.728	4.046	15.358
Propane	12.528	3.546	19.158
Isobutane	2.790	0.938	5.624
n-Butane	5.849	1.894	11.789
2,2 Dimethylpropane	0.022	0.009	0.055
Isopentane	1.977	0.743	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

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

3/13/2024	Pinestraw	IP Flare Estimation Sheet - Tank Pressure, Valve Status		75.81	Flared	11:27 AM	11:55 PM	12.74	Flared more than 8 HRs	Blowers are switched off for VRU project which is why the amount is sh
3/14/2024	Firethorn	Tripod Flare		52.22	Flared	2:04 AM	11:56 PM	1.65	Insufficient Availability	Contact Tower Flare Valve shows that it never opened, so there may ha
3/15/2024	Firethorn	Tripod Flare		82.18	Flared	12:06 AM	11:38 PM	2.54	Insufficient Availability	Clean VRT still pressures up since flare setpoint is lower than the CT VR
3/15/2024	Red Bud	HP Flare - VRU Discharge		135.69	Flared	10:40 AM	11:54 PM	13.33	Flared more than 8 HRs	Facility was sent to HP Flare to purge the tanks since flare blower canno
3/16/2024	Firethorn	Contact Tower		274.23	Flared	1:49 AM	11:24 PM	5.32	Insufficient Availability	Clean VRT still pressures up since flare setpoint is lower than the CT VR
3/16/2024	Red Bud	HP Flare - VRU Discharge		452.44	Flared	12:00 AM	11:55 PM	23.99	Flared more than 8 HRs	Facility was sent to HP Flare to purge the tanks since flare blower canno
3/17/2024	Red Bud	HP Flare - VRU Discharge		346.46	Flared	12:00 AM	11:45 PM	19.00	Flared more than 8 HRs	Facility was sent to HP Flare to purge the tanks since flare blower canno
3/18/2024	Red Bud	HP Flare - VRU Discharge		155.95	Flared	12:00 AM	2:29 PM	11.98	Flared more than 8 HRs	Facility was sent to HP Flare to purge the tanks since flare blower canno
3/20/2024	Red Bud	HP Flare - VRU Discharge		288.47	Flared	12:46 AM	11:45 PM	16.61	Flared more than 8 HRs	Facility was sent to HP Flare to purge the tanks since flare blower canno
3/21/2024	Red Bud	HP Flare - VRU Discharge		214.37	Flared	12:00 AM	11:49 PM	18.67	Flared more than 8 HRs	Facility was sent to HP Flare to purge the tanks since flare blower canno



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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 326695

DEFINITIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 326695
	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 326695

QUESTIONS

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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	[fAPP2203927141] PINE STRAW

Determination of Reporting Requirements 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 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	57
Nitrogen (N2) percentage, if greater than one percent	1
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (C02) percentage, if greater than one percent	1
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, Page 2

Action 326695

QUESTIONS (continued)

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	Action Number: 326695
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	03/13/2024
Time vent or flare was discovered or commenced	11:27 AM
Time vent or flare was terminated	11:55 PM
Cumulative hours during this event	13

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: High Line Pressure Flow Line - Production Natural Gas Flared Released: 76 Mcf Recovered: 0 Mcf Lost: 76 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	Flaring happened because a well was open to Pine Straw CTB when production was supposed to be shut in.
Steps taken to limit the duration and magnitude of vent or flare	Control Room shut the well once found this issue.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	We established EHS Control Room to assist operator Control Room with all flaring issues.

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ACKNOWLEDGMENTS

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	Action Number: 326695
	Action Type: [C-129] Venting and/or Flaring (C-129)

ACKNOWLEDGMENTS

☒	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 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 326695

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	Action Number: 326695
	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.	3/26/2024