



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

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

Sample: Pinestraw CTB
First Stage Meter Run
Spot Gas Sample @ 30 psig & 63 °F

Date Sampled: 03/04/2022

Job Number: 221489.061

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286

COMPONENT	Un-Normalized		
	Mol%	MOL%	GPM
Hydrogen Sulfide*		1.000	
Nitrogen	1.097	1.121	
Carbon Dioxide	2.094	2.138	
Methane	74.052	75.641	
Ethane	9.036	9.230	2.478
Propane	4.922	5.027	1.390
Isobutane	0.997	1.018	0.334
n-Butane	2.087	2.131	0.674
2-2 Dimethylpropane	0.011	0.011	0.004
Isopentane	0.798	0.815	0.299
n-Pentane	0.674	0.688	0.250
Hexanes	0.573	0.621	0.257
Heptanes Plus	<u>0.582</u>	<u>0.559</u>	<u>0.216</u>
	96.923	100.000	5.903

Computed Real Characteristics Of Heptanes Plus:

Specific Gravity ----- 3.220 (Air=1)
Molecular Weight ----- 92.87
Gross Heating Value ----- 4891 BTU/CF

Computed Real Characteristics Of Total Sample:

Specific Gravity ----- 0.787 (Air=1)
Compressibility (Z) ----- 0.9959
Molecular Weight ----- 22.70
Gross Heating Value
Dry Basis ----- 1288 BTU/CF
Saturated Basis ----- 1267 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: 14.730 PSI & 60 Deg F

Sampled By: (24) DF
Analyst: RG
Processor: HB
Cylinder ID: T-4833

Certified: FESCO, Ltd. - Alice, Texas

Conan Pierce 361-661-7015

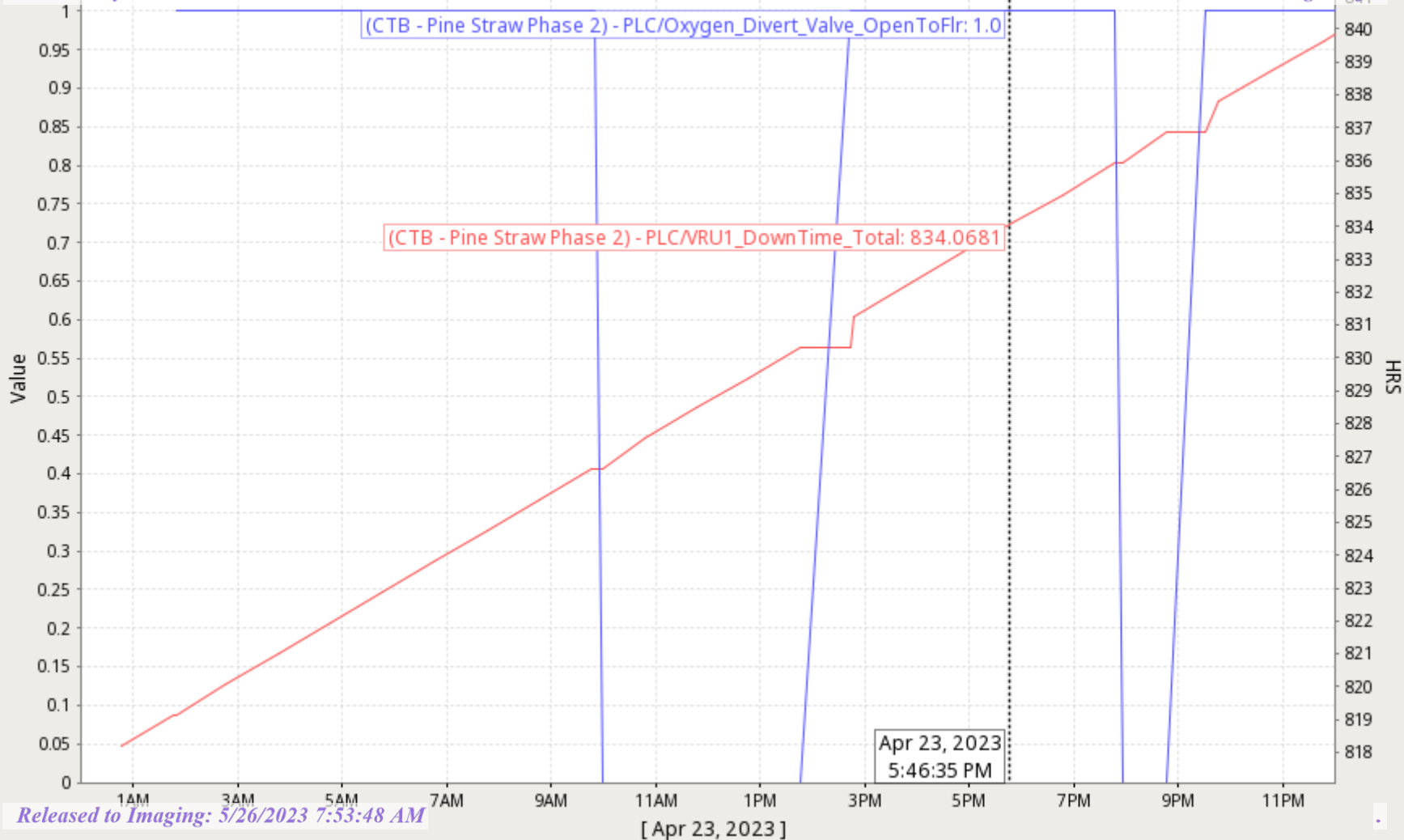
CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286
TOTAL REPORT

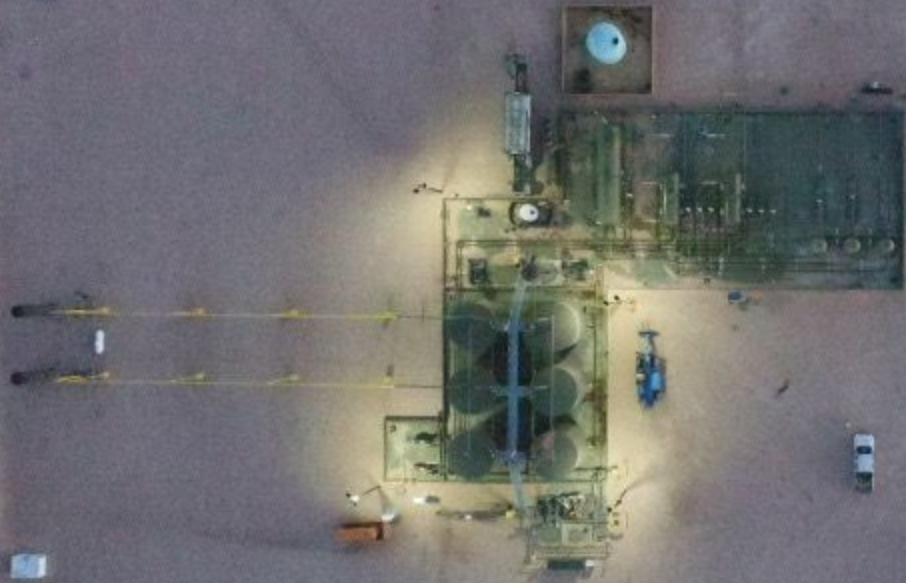
COMPONENT	MOL %	GPM	WT %
Hydrogen Sulfide*	1.000		1.501
Nitrogen	1.121		1.383
Carbon Dioxide	2.138		4.145
Methane	75.641		53.462
Ethane	9.230	2.478	12.227
Propane	5.027	1.390	9.765
Isobutane	1.018	0.334	2.607
n-Butane	2.131	0.674	5.456
2,2 Dimethylpropane	0.011	0.004	0.035
Isopentane	0.815	0.299	2.590
n-Pentane	0.688	0.250	2.187
2,2 Dimethylbutane	0.014	0.006	0.053
Cyclopentane	0.000	0.000	0.000
2,3 Dimethylbutane	0.067	0.028	0.254
2 Methylpentane	0.198	0.083	0.752
3 Methylpentane	0.128	0.052	0.486
n-Hexane	0.214	0.088	0.812
Methylcyclopentane	0.091	0.032	0.337
Benzene	0.061	0.017	0.210
Cyclohexane	0.103	0.035	0.382
2-Methylhexane	0.023	0.011	0.102
3-Methylhexane	0.025	0.012	0.110
2,2,4 Trimethylpentane	0.000	0.000	0.000
Other C7's	0.054	0.024	0.236
n-Heptane	0.037	0.017	0.163
Methylcyclohexane	0.060	0.024	0.260
Toluene	0.042	0.014	0.170
Other C8's	0.031	0.014	0.151
n-Octane	0.008	0.004	0.040
Ethylbenzene	0.002	0.001	0.009
M & P Xylenes	0.007	0.003	0.033
O-Xylene	0.002	0.001	0.009
Other C9's	0.008	0.004	0.044
n-Nonane	0.002	0.001	0.011
Other C10's	0.002	0.001	0.012
n-Decane	0.001	0.001	0.006
Undecanes (11)	<u>0.000</u>	<u>0.000</u>	<u>0.000</u>
Totals	100.000	5.903	100.000

Computed Real Characteristics Of Total Sample:

Specific Gravity -----	0.787	(Air=1)
Compressibility (Z) -----	0.9959	
Molecular Weight -----	22.70	
Gross Heating Value		
Dry Basis -----	1288	BTU/CF
Saturated Basis -----	1267	BTU/CF

Sample Date: 03/04/2022	Ambient Air Temp: 83 °F
Sample Time: 08:50	Heating Method Utilized: Yes
Analysis Date: 03/09/2022	Sampling Method: Fill & Empty
Analysis Time: 16:57	Device: (GC) S15
Sample Pressure: 30 psig	Make & Model: Shimadzu GC 2014
Sample Temp: 63 °F	Last Verification Date: 03/03/2022
Sampling Flow Rate: N/A MCF/D	





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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 220965

DEFINITIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 220965
	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 220965

QUESTIONS

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	Action Number: 220965
	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	[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 within 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	76
Nitrogen (N2) percentage, if greater than one percent	1
Hydrogen Sulfide (H2S) PPM, rounded up	10,000
Carbon Dioxide (CO2) percentage, if greater than one percent	2
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 220965

QUESTIONS (continued)

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	Action Number: 220965
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	04/23/2023
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	19

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: 166 Mcf Recovered: 0 Mcf Lost: 166 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 pipeline.
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 start to implement oxygen mitigation operational plan hoping to minimize flaring event.

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ACKNOWLEDGMENTS

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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

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	Action Number: 220965
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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.	5/26/2023