



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

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

**Sample:** Red Bud CTB (Sta. No. T180509264)  
 Sales Scrubber Meter Run  
 Spot Gas Sample @ 76 psig & 104 °F

Date Sampled: 08/04/2021

Job Number: 212364.004

### CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286

COMPONENT	Un-Normalized		
	Mol%	MOL%	GPM
Hydrogen Sulfide*		0.600	
Nitrogen	1.287	1.243	
Carbon Dioxide	1.659	1.604	
Methane	75.286	72.780	
Ethane	11.394	11.015	2.958
Propane	6.611	6.390	1.768
Isobutane	1.034	1.000	0.329
n-Butane	2.527	2.442	0.773
2-2 Dimethylpropane	0.011	0.011	0.004
Isopentane	0.757	0.732	0.269
n-Pentane	0.717	0.694	0.253
Hexanes	0.583	0.612	0.253
Heptanes Plus	<u>0.959</u>	<u>0.877</u>	<u>0.351</u>
	102.825	100.000	6.958

#### Computed Real Characteristics Of Heptanes Plus:

Specific Gravity ----- 3.341 (Air=1)  
 Molecular Weight ----- 96.32  
 Gross Heating Value ----- 5058 BTU/CF

#### Computed Real Characteristics Of Total Sample:

Specific Gravity ----- 0.814 (Air=1)  
 Compressibility (Z) ----- 0.9955  
 Molecular Weight ----- 23.47  
 Gross Heating Value  
   Dry Basis ----- 1347 BTU/CF  
   Saturated Basis ----- 1324 BTU/CF

\*Hydrogen Sulfide tested on location by: Stain Tube Method (GPA 2377)  
 377.4 Gr/100 CF, 6000 PPMV or 0.600 Mol %

Base Conditions: 14.730 PSI & 60 Deg F

Sampled By: (24) Field  
 Analyst: RG  
 Processor: dm  
 Cylinder ID: T-5391

Certified: FESCO, Ltd. - Alice, Texas

Conan Pierce 361-661-7015

# CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286

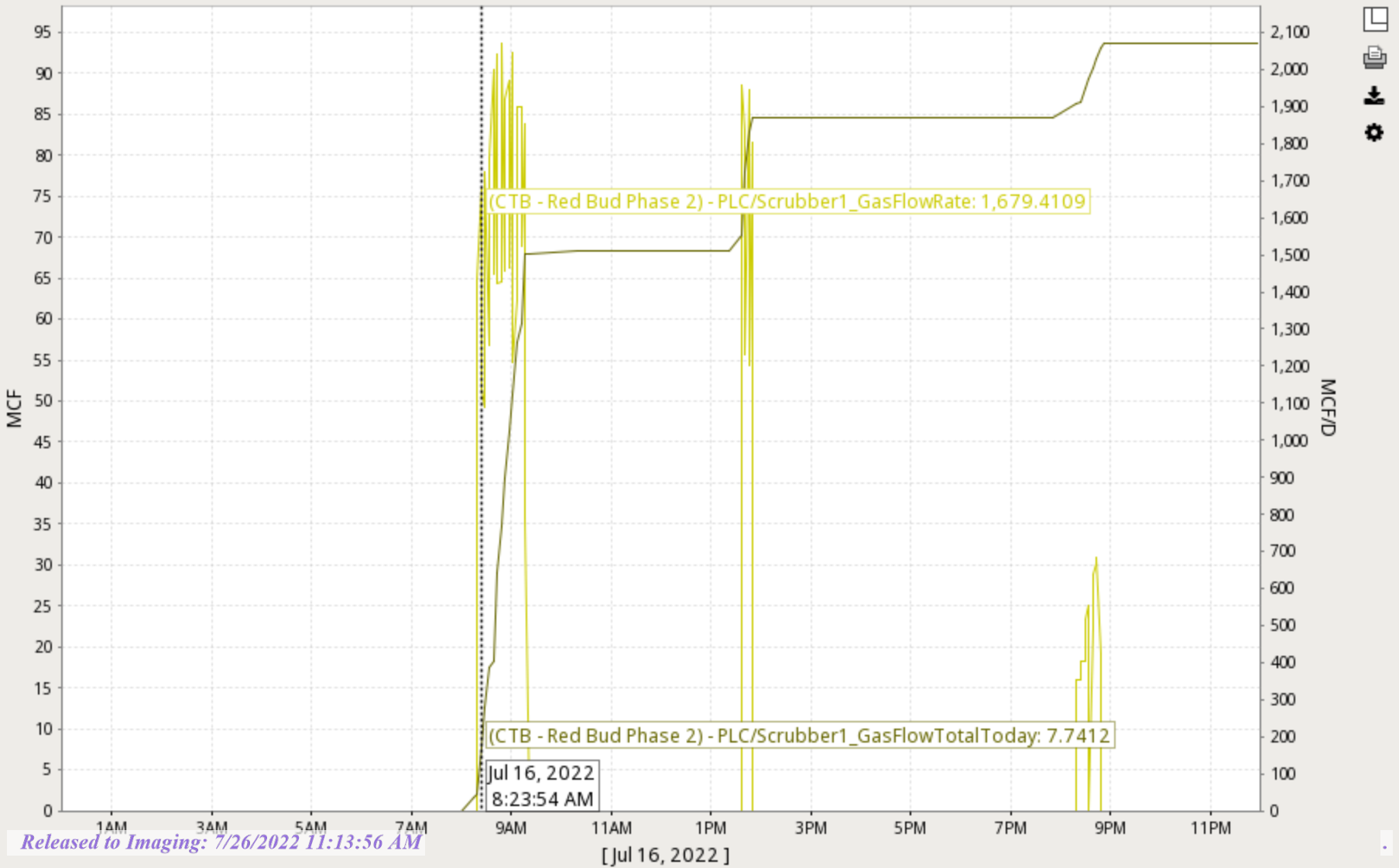
## TOTAL REPORT

COMPONENT	MOL %	GPM	WT %
Hydrogen Sulfide*	0.600		0.871
Nitrogen	1.243		1.483
Carbon Dioxide	1.604		3.007
Methane	72.780		49.742
Ethane	11.015	2.958	14.110
Propane	6.390	1.768	12.004
Isobutane	1.000	0.329	2.476
n-Butane	2.442	0.773	6.047
2,2 Dimethylpropane	0.011	0.004	0.034
Isopentane	0.732	0.269	2.250
n-Pentane	0.694	0.253	2.133
2,2 Dimethylbutane	0.009	0.004	0.033
Cyclopentane	0.000	0.000	0.000
2,3 Dimethylbutane	0.065	0.027	0.239
2 Methylpentane	0.191	0.080	0.701
3 Methylpentane	0.121	0.050	0.444
n-Hexane	0.226	0.093	0.830
Methylcyclopentane	0.101	0.036	0.362
Benzene	0.082	0.023	0.273
Cyclohexane	0.130	0.044	0.466
2-Methylhexane	0.031	0.014	0.132
3-Methylhexane	0.038	0.018	0.162
2,2,4 Trimethylpentane	0.000	0.000	0.000
Other C7's	0.080	0.035	0.338
n-Heptane	0.065	0.030	0.277
Methylcyclohexane	0.094	0.038	0.393
Toluene	0.077	0.026	0.302
Other C8's	0.071	0.033	0.333
n-Octane	0.022	0.011	0.107
Ethylbenzene	0.008	0.003	0.036
M & P Xylenes	0.016	0.006	0.072
O-Xylene	0.005	0.002	0.023
Other C9's	0.033	0.017	0.177
n-Nonane	0.006	0.003	0.033
Other C10's	0.013	0.008	0.078
n-Decane	0.002	0.001	0.012
Undecanes (11)	<u>0.003</u>	<u>0.002</u>	<u>0.020</u>
Totals	100.000	6.958	100.000

### Computed Real Characteristics Of Total Sample:

Specific Gravity -----	0.814 (Air=1)
Compressibility (Z) -----	0.9955
Molecular Weight -----	23.47
Gross Heating Value	
Dry Basis -----	1347 BTU/CF
Saturated Basis -----	1324 BTU/CF

<b>Sample Date:</b> 08/04/2021	<b>Ambient Air Temp:</b> 71 °F
<b>Sample Time:</b> 09:30	<b>Heating Method Utilized:</b> Yes
<b>Analysis Date:</b> 08/11/2021	<b>Sampling Method:</b> Fill & Empty
<b>Analysis Time:</b> 10:32	<b>Device:</b> (GC) S14
<b>Sample Pressure:</b> 76 psig	<b>Make &amp; Model:</b> Shimadzu GC 2014
<b>Sample Temp:</b> 104 °F	<b>Last Verification Date:</b> 08/10/2021
<b>Sampling Flow Rate:</b> 7652 MCF/D	









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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 128742

DEFINITIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 128742
	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 128742

**QUESTIONS**

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 128742
	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	Not answered.
Incident Facility	[fAPP2203928043] Red Bud

**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	No
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 <b>at least 50 MCF</b> 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 withing 300 feet from an occupied permanent residence, school, hospital, institution or church in existence	No

**Equipment Involved**

Primary Equipment Involved	Separator
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	73
Nitrogen (N2) percentage, if greater than one percent	1
Hydrogen Sulfide (H2S) PPM, rounded up	6,000
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 128742

QUESTIONS (continued)

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 128742
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	07/16/2022
Time vent or flare was discovered or commenced	08:30 AM
Time vent or flare was terminated	08:50 PM
Cumulative hours during this event	2

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   Separator   Natural Gas Flared   Released: 94 Mcf   Recovered: 0 Mcf   Lost: 94 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 high oxygen level in our gas line, thus could only send the gas to flare.
Steps taken to limit the duration and magnitude of vent or flare	We shut in the well to limit production.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	We will pump oxygen scavenger in the stream.

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ACKNOWLEDGMENTS  
  
Action 128742

**ACKNOWLEDGMENTS**

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	Action Number: 128742
	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 128742

CONDITIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 128742
	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.	7/26/2022