

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

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

Sample: Red Bud CTB

Sales Meter Run
Spot Gas Sample @ 58 psig & 105°F

Date Sampled: 06/03/2023

Job Number: 232371.021

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286

COMPONENT	Un-Normalized		
	Mol%	MOL%	GPM
Hydrogen Sulfide*	-----	0.750	
Oxygen	0.002	0.002	
Nitrogen	1.073	1.082	
Carbon Dioxide	1.284	1.294	
Methane	71.998	72.593	
Ethane	10.867	10.956	3.002
Propane	6.678	6.732	1.900
Isobutane	1.184	1.194	0.400
n-Butane	2.613	2.634	0.851
2-2 Dimethylpropane	0.013	0.013	0.005
Isopentane	0.820	0.827	0.310
n-Pentane	0.700	0.706	0.262
Hexanes	0.540	0.575	0.243
Heptanes Plus	<u>0.669</u>	<u>0.642</u>	<u>0.261</u>
Totals	98.441	100.000	7.234

Computed Real Characteristics Of Heptanes Plus:

Specific Gravity ----- 3.314 (Air=1)
Molecular Weight ----- 95.55
Gross Heating Value ----- 5126 BTU/CF

Computed Real Characteristics Of Total Sample:

Specific Gravity ----- 0.815 (Air=1)
Compressibility (Z) ----- 0.9954
Molecular Weight ----- 23.49
Gross Heating Value
Dry Basis ----- 1384 BTU/CF
Saturated Basis ----- 1361 BTU/CF

*Hydrogen Sulfide tested on location by: Stain Tube Method (GPA 2377)
Results: 471.7 Gr/100 CF, 7500 PPMV or 0.750 Mol %

Base Conditions: 15.025 PSI & 60 Deg F

Sampled By: (16) D. Field
Analyst: JS
Processor: HB
Cylinder ID: T-6113

Certified: FESCO, Ltd. - Alice, Texas

Conan Pierce 361-661-7015

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

COMPONENT	MOL %	GPM	WT %
Hydrogen Sulfide*	0.750		1.088
Oxygen	0.002		0.003
Nitrogen	1.082		1.291
Carbon Dioxide	1.294		2.425
Methane	72.593		49.584
Ethane	10.956	3.002	14.027
Propane	6.732	1.900	12.639
Isobutane	1.194	0.400	2.955
n-Butane	2.634	0.851	6.518
2,2 Dimethylpropane	0.013	0.005	0.040
Isopentane	0.827	0.310	2.540
n-Pentane	0.706	0.262	2.169
2,2 Dimethylbutane	0.011	0.005	0.040
Cyclopentane	0.000	0.000	0.000
2,3 Dimethylbutane	0.060	0.025	0.220
2 Methylpentane	0.179	0.076	0.657
3 Methylpentane	0.116	0.048	0.426
n-Hexane	0.209	0.088	0.767
Methylcyclopentane	0.083	0.030	0.297
Benzene	0.058	0.017	0.193
Cyclohexane	0.098	0.034	0.351
2-Methylhexane	0.027	0.013	0.115
3-Methylhexane	0.030	0.014	0.128
2,2,4 Trimethylpentane	0.013	0.007	0.063
Other C7's	0.049	0.022	0.207
n-Heptane	0.049	0.023	0.209
Methylcyclohexane	0.074	0.030	0.309
Toluene	0.052	0.018	0.204
Other C8's	0.050	0.024	0.235
n-Octane	0.014	0.007	0.068
Ethylbenzene	0.004	0.002	0.018
M & P Xylenes	0.011	0.004	0.050
O-Xylene	0.003	0.001	0.014
Other C9's	0.017	0.009	0.091
n-Nonane	0.003	0.002	0.016
Other C10's	0.005	0.003	0.030
n-Decane	0.001	0.001	0.006
Undecanes (11)	<u>0.001</u>	<u>0.001</u>	<u>0.007</u>
Totals	100.000	7.234	100.000

Computed Real Characteristics of Total Sample

Specific Gravity -----	0.815	(Air=1)
Compressibility (Z) -----	0.9954	
Molecular Weight -----	23.49	
Gross Heating Value		
Dry Basis -----	1384	BTU/CF
Saturated Basis -----	1361	BTU/CF

Sample Date: 06/03/2023

Sample Time: 15:15

Analysis Date: 06/08/2023

Analysis Time: 16:58

Sample Pressure: 58 psig

Sample Temp: 105 °F

Sampling Flow Rate: 3204 MCF/D

Ambient Air Temp: 85 °F

Heating Method Utilized: Yes

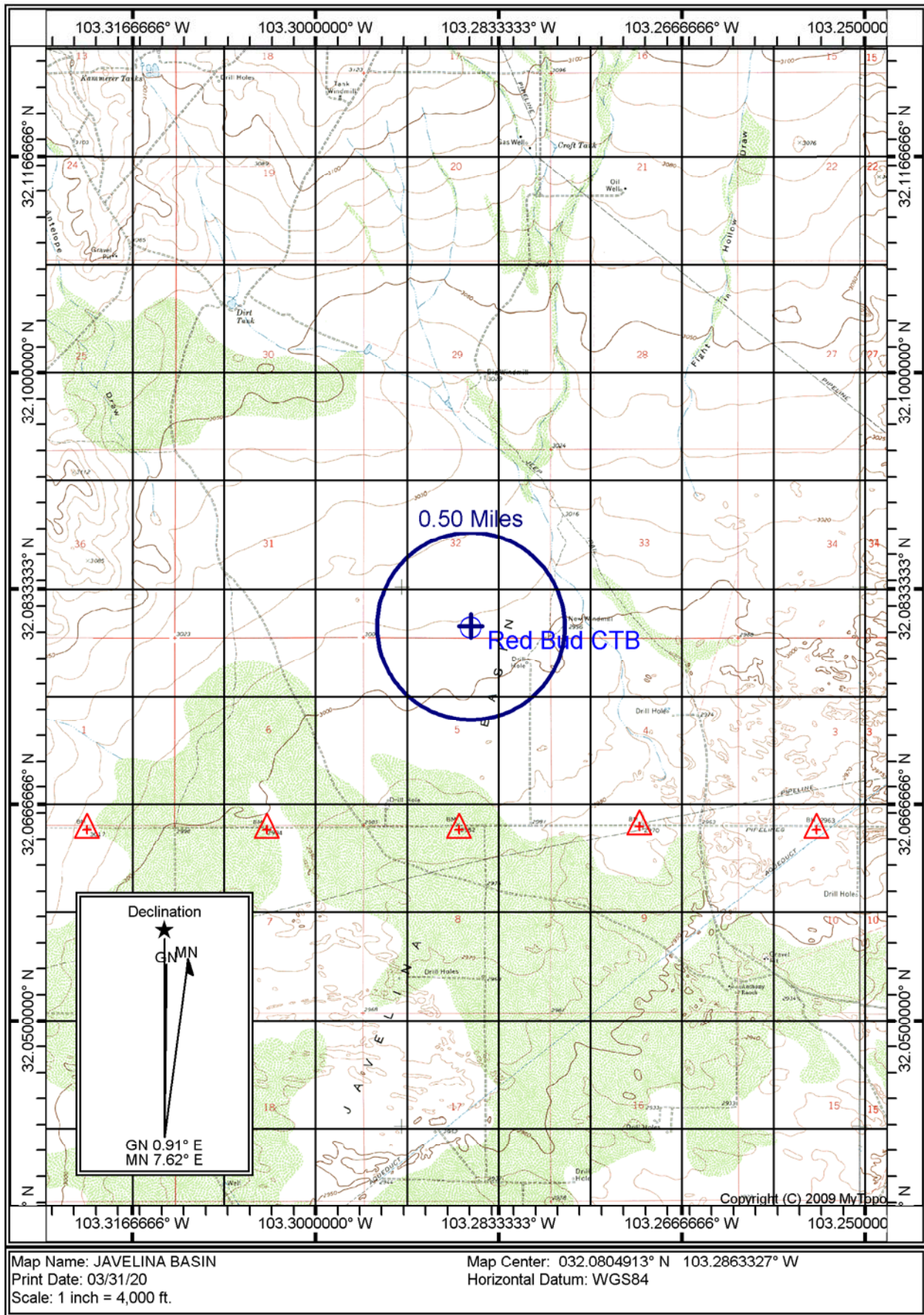
Sampling Method: Fill & Empty

Device: (GC) S14

Make & Model: Shimadzu GC 2014

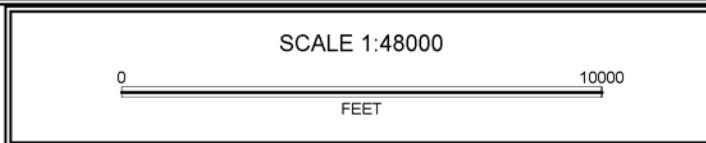
Last Verification Date: 06/08/2023

3/28/2024	3/27/2024	Pinestraw	HP Flare - VRU Discharge	146.79	Flared	12:01 AM	11:55 PM	23.98	Flared more than 8 HRs	Facility was brought online so tanks are being purged through		
Received by OCD: 4/9/2024 3:45:10 PM		3/28/2024	3/27/2024	Red Bud	HP Flare - VRU Discharge	274.48	Flared	1:40 AM	11:55 PM	13.57	Flared more than 8 HRs	Facility was sent to HP Flare to purge the tanks since flare blo
3/29/2024	3/28/2024	Pinestraw	HP Flare - VRU Discharge	163.34	Flared	12:00 AM	11:52 PM	24.00	Flared more than 8 HRs	Facility was brought online so tanks are being purged through		
3/29/2024	3/28/2024	Red Bud	HP Flare - VRU Discharge	730.22	Flared	12:00 AM	11:55 PM	20.93	Flared more than 8 HRs	Facility was sent to HP Flare to purge the tanks since flare blo		
3/30/2024	3/29/2024	Pinestraw	HP Flare - VRU Discharge	151.95	Flared	12:00 AM	11:55 PM	24.00	Flared more than 8 HRs	Facility was brought online so tanks are being purged through		
3/30/2024	3/29/2024	Red Bud	HP Flare - VRU Discharge	503.98	Flared	12:00 AM	11:55 PM	23.08	Flared more than 8 HRs	Facility was sent to HP Flare to purge the tanks since flare blo		
3/31/2024	3/30/2024	Pinestraw	HP Flare - VRU Discharge	154.39	Flared	12:00 AM	11:52 PM	24.00	Flared more than 8 HRs	Facility was brought online so tanks are being purged through		
Released to Imaging: 4/9/2024 3:47:58 PM		3/31/2024	3/30/2024	Red Bud	HP Flare - VRU Discharge	470.44	Flared	12:00 AM	11:55 PM	22.52	Flared more than 8 HRs	Facility was sent to HP Flare to purge the tanks since flare blo
4/1/2024	3/31/2024	Red Bud	HP Flare - VRU Discharge	268.76	Flared	12:00 AM	1:50 PM	12.85	Flared more than 8 HRs	Maintenance stopped dumping heaters to the tanks allowing		



Map Name: JAVELINA BASIN
 Print Date: 03/31/20
 Scale: 1 inch = 4,000 ft.

Map Center: 032.0804913° N 103.2863327° W
 Horizontal Datum: WGS84



District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720

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 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

Action 331637

DEFINITIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 331637
	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 331637

QUESTIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 331637
	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	[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	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	73
Nitrogen (N2) percentage, if greater than one percent	1
Hydrogen Sulfide (H2S) PPM, rounded up	1
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 331637

QUESTIONS (continued)

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	Action Number: 331637
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	03/31/2024
Time vent or flare was discovered or commenced	12:00 AM
Time vent or flare was terminated	01:50 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: Commissioning to Purge Tank (Any) Natural Gas Flared Released: 269 Mcf Recovered: 0 Mcf Lost: 269 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	Maintenance stopped dumping heaters to the tanks allowing O2 value to come down. Once O2 was low alarm was reset and gas sent to sales.
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 strive to prevent flaring due to oxygen issue.

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ACKNOWLEDGMENTS

Action 331637

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	Action Number: 331637
	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 complete 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

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	Action Number: 331637
	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.	4/9/2024