



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

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

Sample: Azalea CTB

Sales Meter Run
 Spot Gas Sample @ 95 psig & 93°F

Date Sampled: 04/01/2023

Job Number: 231769.013

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286

COMPONENT	Un-Normalized		
	Mol%	MOL%	GPM
Hydrogen Sulfide*		3.200	
Nitrogen	0.361	0.364	
Carbon Dioxide	7.543	7.597	
Methane	78.897	79.456	
Ethane	3.463	3.488	0.955
Propane	1.600	1.612	0.455
Isobutane	1.009	1.016	0.340
n-Butane	0.891	0.897	0.289
2-2 Dimethylpropane	0.037	0.037	0.015
Isopentane	0.731	0.737	0.276
n-Pentane	0.348	0.351	0.130
Hexanes	0.546	0.529	0.223
Heptanes Plus	<u>0.689</u>	<u>0.716</u>	<u>0.306</u>
	96.115	100.000	2.988

Computed Real Characteristics Of Heptanes Plus:

Specific Gravity ----- 3.479 (Air=1)
 Molecular Weight ----- 100.42
 Gross Heating Value ----- 5358 BTU/CF

Computed Real Characteristics Of Total Sample:

Specific Gravity ----- 0.767 (Air=1)
 Compressibility (Z) ----- 0.9964
 Molecular Weight ----- 22.14
 Gross Heating Value
 Dry Basis ----- 1124 BTU/CF
 Saturated Basis ----- 1105 BTU/CF

*Hydrogen Sulfide tested on location by: Stain Tube Method (GPA 2377)
 2013 Gr/100 CF, 32000 PPMV or 3.200 Mol %

Base Conditions: 15.025 PSI & 60 Deg F

Sampled By: (16) R. Elizondo
 Analyst: LG
 Processor: HB
 Cylinder ID: T-6125

Certified: FESCO, Ltd. - Alice, Texas

Conan Pierce 361-661-7015

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

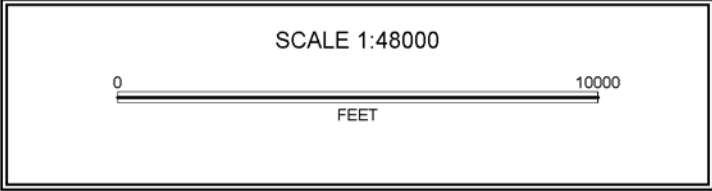
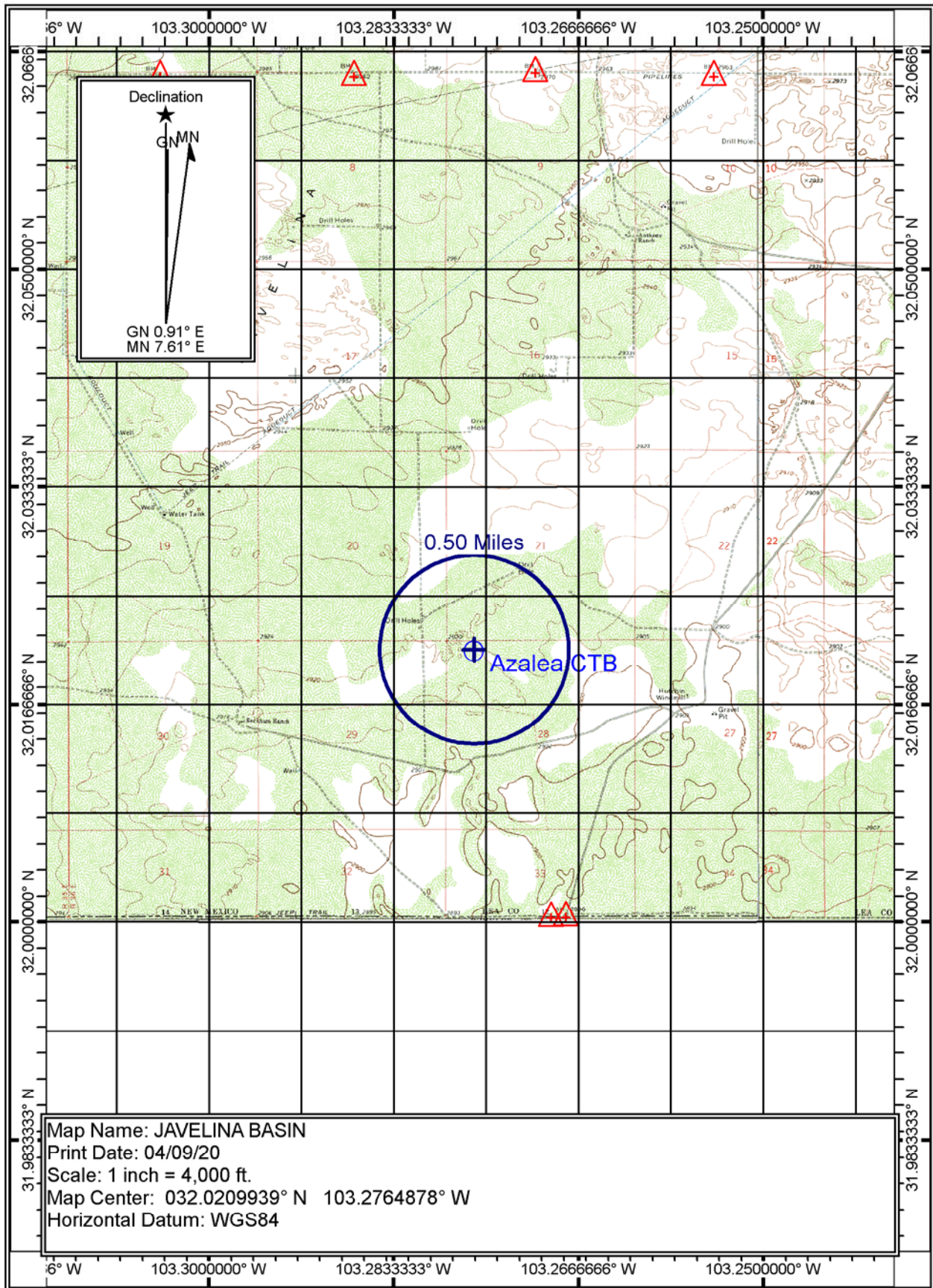
COMPONENT	MOL %	GPM	WT %
Hydrogen Sulfide*	3.200		4.926
Nitrogen	0.364		0.461
Carbon Dioxide	7.597		15.101
Methane	79.456		57.571
Ethane	3.488	0.955	4.737
Propane	1.612	0.455	3.210
Isobutane	1.016	0.340	2.667
n-Butane	0.897	0.289	2.355
2,2 Dimethylpropane	0.037	0.015	0.121
Isopentane	0.737	0.276	2.402
n-Pentane	0.351	0.130	1.144
2,2 Dimethylbutane	0.034	0.015	0.132
Cyclopentane	0.000	0.000	0.000
2,3 Dimethylbutane	0.041	0.017	0.160
2 Methylpentane	0.161	0.068	0.627
3 Methylpentane	0.117	0.049	0.455
n-Hexane	0.176	0.074	0.685
Methylcyclopentane	0.045	0.016	0.171
Benzene	0.010	0.003	0.035
Cyclohexane	0.056	0.020	0.213
2-Methylhexane	0.059	0.028	0.267
3-Methylhexane	0.032	0.015	0.145
2,2,4 Trimethylpentane	0.008	0.004	0.041
Other C7's	0.048	0.021	0.215
n-Heptane	0.054	0.025	0.244
Methylcyclohexane	0.111	0.046	0.492
Toluene	0.084	0.029	0.350
Other C8's	0.085	0.040	0.423
n-Octane	0.015	0.008	0.077
Ethylbenzene	0.003	0.001	0.014
M & P Xylenes	0.052	0.021	0.249
O-Xylene	0.010	0.004	0.048
Other C9's	0.027	0.014	0.154
n-Nonane	0.004	0.002	0.023
Other C10's	0.007	0.004	0.045
n-Decane	0.004	0.003	0.026
Undecanes (11)	<u>0.002</u>	<u>0.001</u>	<u>0.014</u>
Totals	100.000	2.988	100.000

Computed Real Characteristics Of Total Sample:

Specific Gravity -----	0.767	(Air=1)
Compressibility (Z) -----	0.9964	
Molecular Weight -----	22.14	
Gross Heating Value		
Dry Basis -----	1124	BTU/CF
Saturated Basis -----	1105	BTU/CF

Sample Date: 04/01/2023	Ambient Air Temp: 77 °F
Sample Time: 14:00	Heating Method Utilized: Yes
Analysis Date: 04/14/2023	Sampling Method: Fill & Empty
Analysis Time: 06:47	Device: (GC) S10
Sample Pressure: 95 psig	Make & Model: Shimadzu GC 2014
Sample Temp: 93 °F	Last Verification Date: 04/13/2023
Sampling Flow Rate: 1292 MCF/D	

3/22/2024	3/7/2024	Nan 1.5N	HP Flare	105.24	Flared	10:05 AM	8:43 PM	0.17	Insufficient Availability	Midstream Company is not ab
3/22/2024	3/7/2024	Nan 1.5N	LP Flare Estimation Sheet - Tank Pressure, Valve Status	88.36	Flared	9:16 AM	10:44 PM	3.34	Oxygen	Sales blowers were switched
3/22/2024	3/7/2024	Pinestraw	HP Flare - VRU Discharge	276.66	Flared	12:01 AM	11:49 PM	24.00	Flared more than 8 HRs	Production was opened up an
3/22/2024	3/7/2024	Red Bud	HP Flare - VRU Discharge	159.31	Flared	12:00 AM	11:44 PM	6.32	Oxygen	Tanks got a random O2 spike a
3/22/2024	3/7/2024	Red Bud	LP Flare Estimation Sheet - Tank Pressure, Valve Status	51.67	Flared	7:50 AM	10:27 PM	11.25	Flared more than 8 HRs	The tanks are being purged fr
3/22/2024	3/8/2024	Azalea	HP Flare	516.47	Flared	8:30 AM	10:42 PM	8.17	Flared more than 8 HRs	Control Room is not fully awa
3/22/2024	3/8/2024	Firethorn	Contact Tower	96.58	Flared	3:31 PM	6:38 PM	1.87	Malfunction	Clean VRT flare valve setpoint
3/22/2024	3/8/2024	Nan 1.5N	HP Flare	56.40	Flared	12:31 AM	11:04 PM	0.07	Insufficient Availability	Midstream Company is not ab
3/22/2024	3/8/2024	Red Bud	HP Flare - VRU Discharge	61.31	Flared	12:00 AM	4:59 PM	17.00	Flared more than 8 HRs	Tanks got a random O2 spike a
3/22/2024	3/9/2024	Firethorn	Contact Tower	372.37	Flared	1:50 AM	11:01 PM	7.73	Malfunction	Clean VRT flare valve setpoint
3/22/2024	3/9/2024	Nan 1.5N	HP Flare	107.20	Flared	6:18 AM	9:21 PM	0.25	Insufficient Availability	Midstream Company is not ab
3/22/2024	3/10/2024	Firethorn	Contact Tower	57.17	Flared	12:01 AM	9:18 AM	1.05	Insufficient Availability	Clean VRT will occasionally pr
3/22/2024	3/10/2024	Nan 1.5N	HP Flare	147.38	Flared	3:55 AM	9:34 PM	0.28	Insufficient Availability	Midstream Company is not ab
3/22/2024	3/10/2024	Red Bud	HP Flare - VRU Discharge	57.22	Flared	9:00 AM	4:29 PM	5.91	Oxygen	Based on the data, the O2 high
3/22/2024	3/11/2024	Amen Corner	HP Flare	162.81	Flared	9:07 AM	7:41 PM	1.64	Insufficient Availability	Line pressure got to 120 PSI so
3/22/2024	3/11/2024	Nan 1.5N	HP Flare	94.90	Flared	3:32 AM	9:23 AM	0.15	Insufficient Availability	Midstream Company is not ab
3/22/2024	3/11/2024	Red Bud	LP Flare Estimation Sheet - Tank Pressure, Valve Status	60.97	Flared	10:55 AM	5:04 PM	4.74	Malfunction	Pilot went out on West LP flare
3/22/2024	3/12/2024	Nan 1.5N	HP Flare	138.60	Flared	8:05 AM	5:18 PM	0.25	Insufficient Availability	Midstream Company is not ab
3/22/2024	3/13/2024	Pinestraw	LP 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 V
3/22/2024	3/14/2024	Firethorn	Tripod Flare	52.22	Flared	2:04 AM	11:56 PM	1.65	Insufficient Availability	Contact Tower Flare Valve sho
3/22/2024	3/15/2024	Firethorn	Tripod Flare	82.18	Flared	12:06 AM	11:38 PM	2.54	Insufficient Availability	Clean VRT still pressures up si
3/22/2024	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
3/22/2024	3/16/2024	Firethorn	Contact Tower	274.23	Flared	1:49 AM	11:24 PM	5.32	Insufficient Availability	Clean VRT still pressures up si
3/22/2024	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
3/22/2024	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
3/22/2024	3/17/2024	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
3/22/2024	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



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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 326563

DEFINITIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 326563
	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 326563

QUESTIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 326563
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Prerequisites	
<i>Any messages presented in this section, will prevent submission of this application. Please resolve these issues before continuing with the rest of the questions.</i>	
Incident Well	Unavailable.
Incident Facility	[fAPP2203854212] AZALEA

Determination of Reporting Requirements	
<i>Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide additional guidance.</i>	
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, major venting and/or flaring of natural gas.
<i>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.</i>	
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	
<i>Please provide the mole percent for the percentage questions in this group.</i>	
Methane (CH4) percentage	79
Nitrogen (N2) percentage, if greater than one percent	0
Hydrogen Sulfide (H2S) PPM, rounded up	3
Carbon Dioxide (CO2) percentage, if greater than one percent	8
Oxygen (O2) percentage, if greater than one percent	0
<i>If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.</i>	
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 326563

QUESTIONS (continued)

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 326563
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	03/08/2024
Time vent or flare was discovered or commenced	08:30 AM
Time vent or flare was terminated	10:42 PM
Cumulative hours during this event	8

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: Human Error Flow Line - Production Natural Gas Flared Released: 516 Mcf Recovered: 0 Mcf Lost: 516 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	Two wells were opened up on site and based on the data, the flare BPV does not seem to be properly set by Control Room. It was more than likely adjusted at around 8 pm, when the flaring stopped at a high line pressure.
Steps taken to limit the duration and magnitude of vent or flare	Control Room handled the issue properly afterward.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	We established EHS Control Room to work with operator Control Room, so that the issue can be fixed earlier.

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ACKNOWLEDGMENTS

Action 326563

ACKNOWLEDGMENTS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 326563
	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

Action 326563

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Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 326563
	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.	3/25/2024