

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

Un-Normalized			
COMPONENT	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

Certified: FESCO, Ltd. - Alice, Texas

Analyst: JS

Processor: HB

Cylinder ID: T-6113

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

Ambient Air Temp: 85 °F

Sample Time: 15:15

Heating Method Utilized: Yes

Analysis Date: 06/08/2023

Sampling Method: Fill & Empty

Analysis Time: 16:58

Device: (GC) S14

Sample Pressure: 58 psig

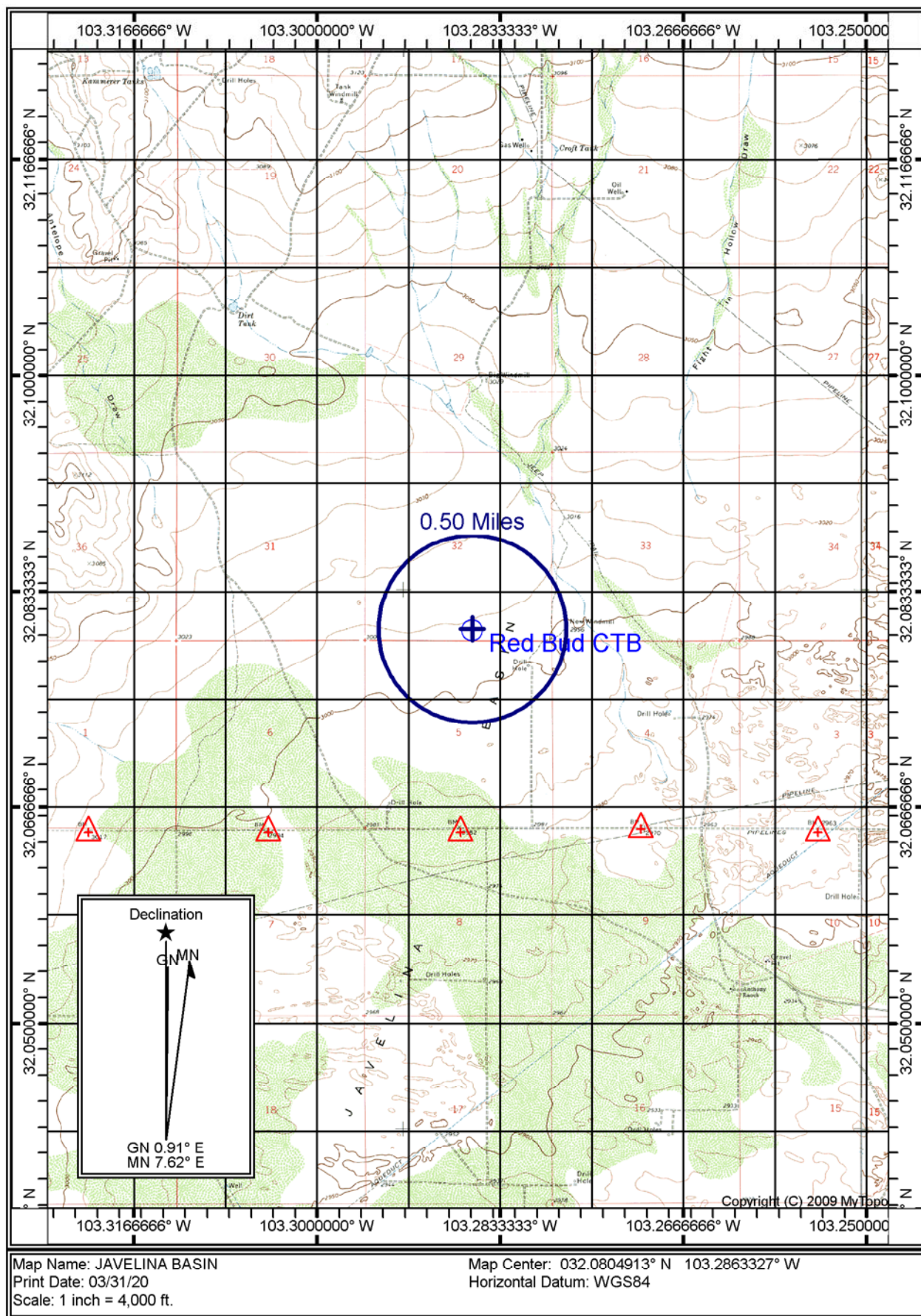
Make & Model: Shimadzu GC 2014

Sample Temp: 105 °F

Last Verification Date: 06/08/2023

Sampling Flow Rate: 3204 MCF/D

11/9/2023	Pinestraw	LP - Vent flare/Blower Flare	134.97	Flared	1:20 AM	11:59 PM	0.50	Malfunction	VRU issues all day, Techs came out to work on the units.
11/9/2023	Nandina	LP - Vent flare/Blower Flare	96.82	Flared	12:19 AM	11:57 PM	0.29	Oxygen	Blowers turned off to prevent oxygen in the tanks due to o
11/9/2023	Pinestraw	HP Flare	611.08	Flared	3:24 AM	11:20 PM	17.40	Flared more than 8 HRs	VRU issues throughout the day, started flaring at 4 AM to
11/9/2023	Pinestraw	VRU Discharge	87.71	Flared	12:00 AM	11:59 PM	21.55	Flared more than 8 HRs	VRU discharge valve opened during HP flaring due to hig
11/10/2023	Nandina	VRU Discharge	280.15	Flared	8:44 AM	11:02 PM	15.13	Flared more than 8 HRs	
11/10/2023	Pinestraw	HP Flare	574.95	Flared	12:21 AM	8:15 PM	16.03	Flared more than 8 HRs	All VRUs had issues in the morning, Tech came onsite to g
11/10/2023	Pinestraw	VRU Discharge	181.61	Flared	12:00 AM	11:48 PM	20.17	Flared more than 8 HRs	Continued O2 flaring from Yesterday, Oxygen sill high, an
11/10/2023	Nan 1.5N	HP Flare	90.69	Flared	9:19 AM	7:10 PM	0.11	Oxygen	Hila O2 Spike at 9 am and remaining flaring occurred to du
11/10/2023	Pinestraw	LP - Vent flare/Blower Flare	77.83	Flared	12:02 AM	11:56 PM	0.21	Malfunction	All VRUs were fixed, allowing blower gas to be sent to sale
11/10/2023	Red Bud	VRU Discharge	464.61	Flared	8:43 AM	11:39 PM	13.95	Flared more than 8 HRs	O2 was detected at 8:43 AM, Facility sent to flare
11/11/2023	Pinestraw	VRU Discharge	184.95	Flared	12:48 AM	3:00 PM	11.15	Flared more than 8 HRs	Continued O2 flaring from Yesterday, Oxygen sill high, an
11/11/2023	Nan 1.5N	HP Flare	135.23	Flared	9:57 AM	10:40 PM	0.13	Insufficient Availability	Flaring occurred to due to line overpressure @ 100 PSI @9
11/11/2023	Red Bud	VRU Discharge	874.06	Flared	12:00 AM	11:23 PM	22.83	Flared more than 8 HRs	Continued O2 flaring from Yesterday, Oxygen sill high, an
11/12/2023	Amen Corner	VRU Discharge	142.59	Flared	12:00 AM	8:16 PM	14.12	Flared more than 8 HRs	O2 was detected and sent to flare, Alarm was reset and se
11/12/2023	Red Bud	VRU Discharge	1148.62	Flared	12:00 AM	11:57 PM	22.72	Flared more than 8 HRs	Continued O2 flaring from Yesterday, Oxygen sill high, an
11/13/2023	Amen Corner	VRU Discharge	80.69	Flared	6:58 AM	11:01 PM	4.03		
11/13/2023	Red Bud	VRU Discharge	291.46	Flared	12:00 AM	8:46 PM	6.68	Oxygen	We were getting high O2 from the tanks when the sales blo
11/14/2023	Amen Corner	VRU Discharge	373.69	Flared	1:33 AM	11:42 PM	18.68	Flared more than 8 HRs	



District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
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 288043

DEFINITIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 288043
	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">• 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.
--

District I

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

District II

811 S. First St., Artesia, NM 88210
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

QUESTIONS

Action 288043

QUESTIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 288043
	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	[fAPP2203928043] Red Bud

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, minor 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	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
<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.

District I

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

District II

811 S. First St., Artesia, NM 88210
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

QUESTIONS, Page 2

Action 288043

QUESTIONS (continued)

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 288043
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	11/10/2023
Time vent or flare was discovered or commenced	08:43 AM
Time vent or flare was terminated	11:39 PM
Cumulative hours during this event	14

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 Flow Line - Production Natural Gas Flared Released: 465 Mcf Recovered: 0 Mcf Lost: 465 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	O2 was detected at 8:43 AM, Facility sent to flare.
Steps taken to limit the duration and magnitude of vent or flare	Choked back the wells to limit production.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Dedicate more personnel to tackle oxygen issues.

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

District II
811 S. First St., Artesia, NM 88210
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

ACKNOWLEDGMENTS

Action 288043

ACKNOWLEDGMENTS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 288043
	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.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
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

CONDITIONS

Action 288043

CONDITIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 288043
	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.	11/24/2023