November 22, 2021

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

For: Tap Rock Operating LLC
523 Park Point Drive, Suite 200
Golden, Colorado 80401

Sample: Apollo State Com No. 134H
First Stage Separator
Spot Gas Sample @ 200 psig & 135 °F

Date Sampled: 11/10/2021 Job Number: 213092.001

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286

COMPONENT	MOL%	GPM
Hydrogen Sulfide*	< 0.001	
Nitrogen	0.878	
Carbon Dioxide	0.144	
Methane	71.480	
Ethane	11.081	3.040
Propane	5.718	1.616
Isobutane	1.087	0.365
n-Butane	2.750	0.889
2-2 Dimethylpropane	0.011	0.004
Isopentane	1.058	0.397
n-Pentane	1.346	0.501
Hexanes	1.696	0.717
Heptanes Plus	2.751	1.195
Totals	100.000	8.724

Computed Real Characteristics Of Heptanes Plus:

Specific Gravity	3.445	(Air=1)
Molecular Weight	99.18	
Gross Heating Value	5373	BTU/CF

Computed Real Characteristics Of Total Sample:

Specific Gravity	0.896	(Air=1)
Compressibility (Z)	0.9940	
Molecular Weight	25.79	
Gross Heating Value		
Dry Basis	1552	BTU/CF
Saturated Basis	1526	BTU/CF

*Hydrogen Sulfide tested on location by: Stain Tube Method (GPA 2377)
Results: <0.013 Gr/100 CF, <0.2 PPMV or <0.001 Mol %

Base Conditions: 15.025 PSI & 60 Deg F

Sampled By: (24) DM
Analyst: RG
Processor: KV
Cylinder ID: T-1327

Certified: FESCO, Ltd. - Alice, Texas

Conan Pierce 361-661-7015

FESCO, Ltd. Job Number: 213092.001

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286
TOTAL REPORT

COMPONENT	MOL %	GPM	WT %
Hydrogen Sulfide*	< 0.001		< 0.001
Nitrogen	0.878		0.954
Carbon Dioxide	0.144		0.246
Methane	71.480		44.457
Ethane	11.081	3.040	12.918
Propane	5.718	1.616	9.776
Isobutane	1.087	0.365	2.450
n-Butane	2.750	0.889	6.197
2,2 Dimethylpropane	0.011	0.004	0.031
Isopentane	1.058	0.397	2.960
n-Pentane	1.346	0.501	3.765
2,2 Dimethylbutane	0.026	0.011	0.087
Cyclopentane	0.000	0.000	0.000
2,3 Dimethylbutane	0.126	0.053	0.421
2 Methylpentane	0.506	0.215	1.691
3 Methylpentane	0.284	0.119	0.949
n-Hexane	0.754	0.318	2.519
Methylcyclopentane	0.297	0.108	0.969
Benzene	0.048	0.014	0.145
Cyclohexane	0.330	0.115	1.077
2-Methylhexane	0.138	0.066	0.536
3-Methylhexane	0.151	0.071	0.587
2,2,4 Trimethylpentane	0.087	0.046	0.385
Other C7's	0.277	0.124	1.065
n-Heptane	0.325	0.154	1.263
Methylcyclohexane	0.380	0.157	1.447
Toluene	0.080	0.027	0.286
Other C8's	0.389	0.186	1.662
n-Octane	0.093	0.049	0.412
Ethylbenzene	0.005	0.002	0.021
M & P Xylenes	0.025	0.010	0.103
O-Xylene	0.004	0.002	0.016
Other C9's	0.101	0.053	0.494
n-Nonane	0.010	0.006	0.050
Other C10's	0.009	0.005	0.049
n-Decane	0.001	0.001	0.006
Undecanes (11)	0.001	0.001	0.006
Totals	100.000	8.724	100.000

Computed Real Characteristics of Total Sample		
Specific Gravity	0.896	(Air=1)
Compressibility (Z)	0.9940	
Molecular Weight	25.79	
Gross Heating Value		
Dry Basis	1552	BTU/CF
Saturated Basis	1526	BTU/CF

November 22, 2021

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

Sample: Apollo State Com No. 134H
First Stage Separator
Spot Gas Sample @ 200 psig & 135 °F

Date Sampled: 11/10/2021 Job Number: 213092.001

GLYCALC FORMAT

COMPONENT	MOL%	GPM	Wt %
Carbon Dioxide	0.144		0.246
Hydrogen Sulfide	< 0.001		< 0.001
Nitrogen	0.878		0.954
Methane	71.480		44.457
Ethane	11.081	3.040	12.918
Propane	5.718	1.616	9.776
Isobutane	1.087	0.365	2.450
n-Butane	2.761	0.894	6.228
Isopentane	1.058	0.397	2.960
n-Pentane	1.346	0.501	3.765
Cyclopentane	0.000	0.000	0.000
n-Hexane	0.754	0.318	2.519
Cyclohexane	0.330	0.115	1.077
Other C6's	0.942	0.399	3.148
Heptanes	1.188	0.522	4.420
Methylcyclohexane	0.380	0.157	1.447
2,2,4 Trimethylpentane	0.087	0.046	0.385
Benzene	0.048	0.014	0.145
Toluene	0.080	0.027	0.286
Ethylbenzene	0.005	0.002	0.021
Xylenes	0.029	0.012	0.119
Octanes Plus	0.604	0.300	2.679
Totals	100.000	8.724	100.000

Real Characteristics Of Octanes Plus:

Specific Gravity	3.974	(Air=1)
Molecular Weight	114.41	
Gross Heating Value	5965	BTU/CF

Real Characteristics Of Total Sample:

Specific Gravity	0.896	(Air=1)
Compressibility (Z)	0.9940	
Molecular Weight	25.79	
Gross Heating Value		
Dry Basis	1552	BTU/CF
Saturated Basis	1526	BTU/CF

December 8, 2021

FESCO, Ltd.
1100 FESCO Avenue - Alice, Texas 78332

For: Tap Rock Operating LLC
523 Park Point Drive, Suite 200
Golden, Colorado 80401

Sample: Apollo State Com No. 134H
First Stage Separator Hydrocarbon Liquid
Sampled @ 200 psig & 135°F

Date Sampled: 11/10/2021 Job Number: 213092.002

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2186-M

COMPONENT	MOL %	LIQ VOL %	WT %
Nitrogen	0.042	0.008	0.009
Carbon Dioxide	0.020	0.006	0.006
Methane	5.163	1.519	0.601
Ethane	3.086	1.433	0.674
Propane	3.919	1.875	1.255
Isobutane	1.256	0.713	0.530
n-Butane	3.976	2.176	1.678
2,2 Dimethylpropane	0.030	0.020	0.016
Isopentane	2.315	1.470	1.213
n-Pentane	3.310	2.083	1.734
2,2 Dimethylbutane	0.077	0.056	0.048
Cyclopentane	0.000	0.000	0.000
2,3 Dimethylbutane	0.313	0.223	0.196
2 Methylpentane	1.902	1.371	1.190
3 Methylpentane	1.063	0.753	0.665
n-Hexane	3.292	2.350	2.060
Heptanes Plus	70.236	83.943	88.125
Totals:	100.000	100.000	100.000

Characteristics of Heptanes Plus:

Specific Gravity	0.7955	(Water=1)
°API Gravity	46.38	@ 60°F
Molecular Weight	172.8	
Vapor Volume	14.25	CF/Gal
Weight	6.63	Lbs/Gal

Characteristics of Total Sample:

Specific Gravity	0.7577	(Water=1)
°API Gravity	55.25	@ 60°F
Molecular Weight	137.7	
Vapor Volume	17.03	CF/Gal
Weight	6.31	Lbs/Gal

Base Conditions: 15.025 PSI & 60 °F

Certified: FESCO, Ltd. - Alice, Texas

Sampled By: (24) DM
Analyst: JL
Processor: HBdjv
Cylinder ID: W-0401

Conan Pierce 361-661-7015

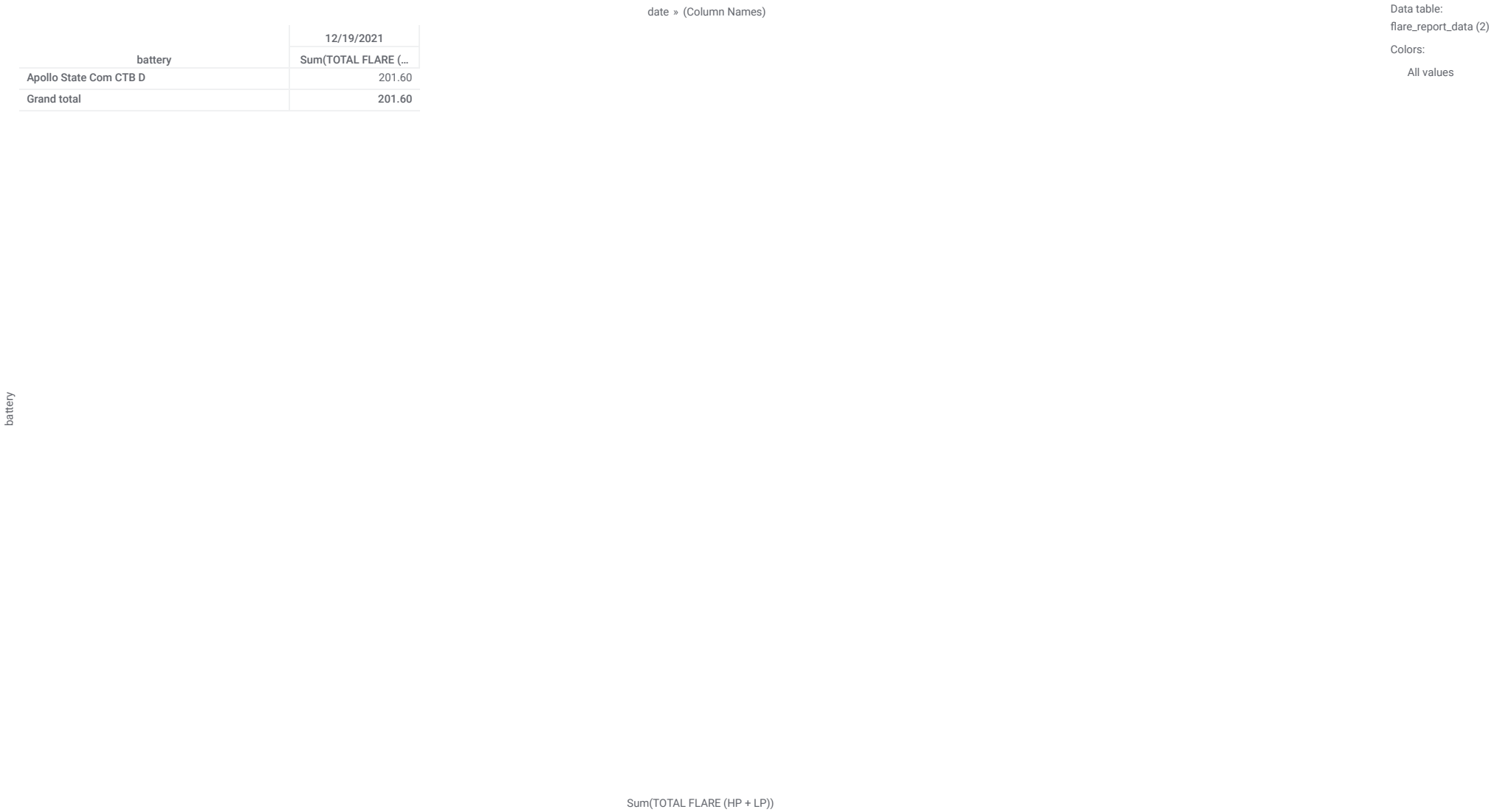
FESCO, Ltd. Job Number: 213092.002

TOTAL EXTENDED REPORT - GPA 2186-M

COMPONENT	Mol %	LiqVol %	Wt %
Nitrogen	0.042	0.008	0.009
Carbon Dioxide	0.020	0.006	0.006
Methane	5.163	1.519	0.601
Ethane	3.086	1.433	0.674
Propane	3.919	1.875	1.255
Isobutane	1.256	0.713	0.530
n-Butane	3.976	2.176	1.678
2,2 Dimethylpropane	0.030	0.020	0.016
Isopentane	2.315	1.470	1.213
n-Pentane	3.310	2.083	1.734
2,2 Dimethylbutane	0.077	0.056	0.048
Cyclopentane	0.000	0.000	0.000
2,3 Dimethylbutane	0.313	0.223	0.196
2 Methylpentane	1.902	1.371	1.190
3 Methylpentane	1.063	0.753	0.665
n-Hexane	3.292	2.350	2.060
Methylcyclopentane	0.865	0.532	0.529
Benzene	0.126	0.061	0.072
Cyclohexane	1.280	0.756	0.782
2-Methylhexane	0.842	0.680	0.613
3-Methylhexane	0.804	0.641	0.585
2,2,4 Trimethylpentane	0.527	0.476	0.437
Other C-7's	1.095	0.853	0.788
n-Heptane	2.274	1.822	1.655
Methylcyclohexane	3.263	2.277	2.326
Toluene	0.900	0.523	0.602
Other C-8's	6.314	5.298	5.053
n-Octane	2.314	2.058	1.919
E-Benzene	0.365	0.245	0.281
M & P Xylenes	1.234	0.831	0.951
O-Xylene	0.808	0.534	0.623
Other C-9's	4.970	4.658	4.556
n-Nonane	1.750	1.709	1.629
Other C-10's	5.350	5.511	5.488
n-decane	1.362	1.451	1.407
Undecanes(11)	5.328	5.630	5.686
Dodecanes(12)	3.991	4.555	4.665
Tridecanes(13)	3.845	4.706	4.886
Tetradecanes(14)	3.011	3.948	4.154
Pentadecanes(15)	2.664	3.742	3.985
Hexadecanes(16)	1.958	2.938	3.156
Heptadecanes(17)	1.742	2.764	2.997
Octadecanes(18)	1.587	2.652	2.892
Nonadecanes(19)	1.396	2.430	2.667
Eicosanes(20)	1.035	1.873	2.066
Heneicosanes(21)	0.900	1.714	1.903
Docosanes(22)	0.789	1.565	1.747
Tricosanes(23)	0.688	1.416	1.589
Tetracosanes(24)	0.589	1.254	1.414
Pentacosanes(25)	0.496	1.096	1.242
Hexacosanes(26)	0.466	1.068	1.216
Heptacosanes(27)	0.419	0.995	1.138
Octacosanes(28)	0.366	0.899	1.031
Nonacosanes(29)	0.279	0.709	0.816
Triacontanes(30)	0.272	0.710	0.820
Hentriacontanes Plus(31+)	1.971	6.364	7.757
Total	100.000	100.000	100.000

Flaring Summary

	12/19/2021
battery	Sum(TOTAL FLARE (...
Apollo State Com CTB D	201.60
Grand total	201.60



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

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 68400
	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 68400

QUESTIONS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 68400
	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	**[fAPP2134729508] Apollo D CTB**

Determination of Reporting Requirements	
Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide addional guidance.	
Was this vent or flare caused by an emergency or malfunction	Yes
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 **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 withing 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	71
Nitrogen (N2) percentage, if greater than one percent	1
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (C02) percentage, if greater than one percent	0
Oxygen (02) 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 Sufide (H2S) PPM quality requirement	*Not answered.*
Carbon Dioxide (C02) percentage quality requirement	*Not answered.*
Oxygen (02) percentage quality requirement	*Not answered.*

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QUESTIONS (continued)

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 68400
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	12/19/2021
Time vent or flare was discovered or commenced	06:00 AM
Time vent or flare was terminated	06:00 PM
Cumulative hours during this event	3

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	Cause: Equipment Failure | Treating Tower | Natural Gas Flared | Released: 202 Mcf | Recovered: 0 Mcf | Lost: 202 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.	False
Please explain reason for why this event was beyond this operator's control	*Not answered.*
Steps taken to limit the duration and magnitude of vent or flare	Tap Rock saw a higher-than-normal flare volume due to downtime on of a VRU unit on location. Tap Rock is working on the VRU and plans to bring on the wells slowly after the problem is corrected. There has been no timetable for when the VRU will be fixed. Tap Rock is analyzing this location and the equipment on location to verify the facility can capture all excess gas. If flaring continues Tap Rock will alter the facility by placing additional gas takeaway equipment.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Tap Rock saw a higher-than-normal flare volume due to downtime on of a VRU unit on location. Tap Rock is working on the VRU and plans to bring on the wells slowly after the problem is corrected. There has been no timetable for when the VRU will be fixed. Tap Rock is analyzing this location and the equipment on location to verify the facility can capture all excess gas. If flaring continues Tap Rock will alter the facility by placing additional gas takeaway equipment.

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ACKNOWLEDGMENTS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 68400
	Action Type: [C-129] Venting and/or Flaring (C-129)

ACKNOWLEDGMENTS

☑	I acknowledge that I am authorized to submit a *Venting and/or Flaring* (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

Action 68400

CONDITIONS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 68400
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
bramsey	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.	12/22/2021