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. 132H
First Stage Separator
Spot Gas Sample @ 255 psig & 123 °F

Date Sampled: 11/10/2021 Job Number: 213091.001

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286

COMPONENT	MOL%	GPM
Hydrogen Sulfide*	< 0.001	
Nitrogen	1.178	
Carbon Dioxide	0.112	
Methane	66.667	
Ethane	11.725	3.221
Propane	6.542	1.851
Isobutane	1.159	0.390
n-Butane	3.214	1.041
2-2 Dimethylpropane	0.010	0.004
Isopentane	1.477	0.555
n-Pentane	2.140	0.797
Hexanes	2.404	1.017
Heptanes Plus	3.372	1.395
Totals	100.000	10.270

Computed Real Characteristics Of Heptanes Plus:

Specific Gravity	3.330	(Air=1)
Molecular Weight	95.76	
Gross Heating Value	5175	BTU/CF

Computed Real Characteristics Of Total Sample:

Specific Gravity	0.972	(Air=1)
Compressibility (Z)	0.9929	
Molecular Weight	27.94	
Gross Heating Value		
Dry Basis	1666	BTU/CF
Saturated Basis	1638	BTU/CF

*Hydrogen Sulfide tested on location by: Stain Tube Method (GPA 2377)
Results: 0.063 Gr/100 CF, 1.0 PPMV or 0.0001 Mol%

Base Conditions: 15.025 PSI & 60 Deg F

Sampled By: (24) DM
Analyst: RG
Processor: KV
Cylinder ID: T-5421

Certified: FESCO, Ltd. - Alice, Texas

Conan Pierce 361-661-7015

FESCO, Ltd. Job Number: 213091.001

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286
TOTAL REPORT

COMPONENT	MOL %	GPM	WT %
Hydrogen Sulfide*	< 0.001		< 0.001
Nitrogen	1.178		1.181
Carbon Dioxide	0.112		0.176
Methane	66.667		38.273
Ethane	11.725	3.221	12.617
Propane	6.542	1.851	10.323
Isobutane	1.159	0.390	2.411
n-Butane	3.214	1.041	6.685
2,2 Dimethylpropane	0.010	0.004	0.026
Isopentane	1.477	0.555	3.814
n-Pentane	2.140	0.797	5.525
2,2 Dimethylbutane	0.025	0.011	0.077
Cyclopentane	0.000	0.000	0.000
2,3 Dimethylbutane	0.173	0.073	0.534
2 Methylpentane	0.724	0.309	2.233
3 Methylpentane	0.387	0.162	1.193
n-Hexane	1.095	0.462	3.377
Methylcyclopentane	0.375	0.136	1.129
Benzene	0.187	0.054	0.523
Cyclohexane	0.678	0.237	2.042
2-Methylhexane	0.139	0.066	0.498
3-Methylhexane	0.153	0.072	0.549
2,2,4 Trimethylpentane	0.079	0.042	0.323
Other C7's	0.267	0.119	0.948
n-Heptane	0.345	0.163	1.237
Methylcyclohexane	0.471	0.194	1.655
Toluene	0.160	0.055	0.528
Other C8's	0.291	0.139	1.148
n-Octane	0.080	0.042	0.327
Ethylbenzene	0.006	0.002	0.023
M & P Xylenes	0.029	0.012	0.110
O-Xylene	0.005	0.002	0.019
Other C9's	0.076	0.040	0.343
n-Nonane	0.011	0.006	0.050
Other C10's	0.015	0.009	0.076
n-Decane	0.002	0.001	0.010
Undecanes (11)	0.003	0.002	0.017
Totals	100.000	10.270	100.000

Computed Real Characteristics of Total Sample

Specific Gravity	0.972	(Air=1)
Compressibility (Z)	0.9929	
Molecular Weight	27.94	

Gross Heating Value

Dry Basis	1666	BTU/CF
Saturated Basis	1638	BTU/CF

November 22, 2021

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

Sample: Apollo State Com No. 132H
First Stage Separator
Spot Gas Sample @ 255 psig & 123 °F

Date Sampled: 11/10/2021 Job Number: 213091.001

GLYCALC FORMAT

COMPONENT	MOL%	GPM	Wt %
Carbon Dioxide	0.112		0.176
Hydrogen Sulfide	< 0.001		< 0.001
Nitrogen	1.178		1.181
Methane	66.667		38.273
Ethane	11.725	3.221	12.617
Propane	6.542	1.851	10.323
Isobutane	1.159	0.390	2.411
n-Butane	3.224	1.045	6.711
Isopentane	1.477	0.555	3.814
n-Pentane	2.140	0.797	5.525
Cyclopentane	0.000	0.000	0.000
n-Hexane	1.095	0.462	3.377
Cyclohexane	0.678	0.237	2.042
Other C6's	1.309	0.554	4.037
Heptanes	1.279	0.558	4.361
Methylcyclohexane	0.471	0.194	1.655
2,2,4 Trimethylpentane	0.079	0.042	0.323
Benzene	0.187	0.054	0.523
Toluene	0.160	0.055	0.528
Ethylbenzene	0.006	0.002	0.023
Xylenes	0.034	0.014	0.129
Octanes Plus	0.478	0.239	1.971
Totals	100.000	10.270	100.000

Real Characteristics Of Octanes Plus:

Specific Gravity	4.008	(Air=1)
Molecular Weight	115.25	
Gross Heating Value	6031	BTU/CF

Real Characteristics Of Total Sample:

Specific Gravity	0.972	(Air=1)
Compressibility (Z)	0.9929	
Molecular Weight	27.94	
Gross Heating Value		
Dry Basis	1666	BTU/CF
Saturated Basis	1638	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. 132H
First Stage Separator Hydrocarbon Liquid
Sampled @ 255 psig & 123°F

Date Sampled: 11/10/2021 Job Number: 213091.002

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2186-M

COMPONENT	MOL %	LIQ VOL %	WT %
Nitrogen	0.170	0.034	0.036
Carbon Dioxide	0.029	0.009	0.010
Methane	6.111	1.877	0.740
Ethane	4.540	2.201	1.030
Propane	6.243	3.117	2.078
Isobutane	1.737	1.030	0.762
n-Butane	5.457	3.118	2.394
2,2 Dimethylpropane	0.085	0.059	0.046
Isopentane	2.672	1.771	1.455
n-Pentane	3.866	2.539	2.105
2,2 Dimethylbutane	0.052	0.039	0.033
Cyclopentane	0.000	0.000	0.000
2,3 Dimethylbutane	0.289	0.215	0.188
2 Methylpentane	1.905	1.433	1.239
3 Methylpentane	0.952	0.705	0.619
n-Hexane	2.951	2.199	1.919
Heptanes Plus	62.940	79.655	85.346
Totals:	100.000	100.000	100.000

Characteristics of Heptanes Plus:

Specific Gravity	0.8153	(Water=1)
°API Gravity	42.05	@ 60°F
Molecular Weight	179.7	
Vapor Volume	14.04	CF/Gal
Weight	6.79	Lbs/Gal

Characteristics of Total Sample:

Specific Gravity	0.7610	(Water=1)
°API Gravity	54.45	@ 60°F
Molecular Weight	132.5	
Vapor Volume	17.77	CF/Gal
Weight	6.34	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-1726

Conan Pierce 361-661-7015

FESCO, Ltd. Job Number: 213091.002

TOTAL EXTENDED REPORT - GPA 2186-M

COMPONENT	Mol %	LiqVol %	Wt %
Nitrogen	0.170	0.034	0.036
Carbon Dioxide	0.029	0.009	0.010
Methane	6.111	1.877	0.740
Ethane	4.540	2.201	1.030
Propane	6.243	3.117	2.078
Isobutane	1.737	1.030	0.762
n-Butane	5.457	3.118	2.394
2,2 Dimethylpropane	0.085	0.059	0.046
Isopentane	2.672	1.771	1.455
n-Pentane	3.866	2.539	2.105
2,2 Dimethylbutane	0.052	0.039	0.033
Cyclopentane	0.000	0.000	0.000
2,3 Dimethylbutane	0.289	0.215	0.188
2 Methylpentane	1.905	1.433	1.239
3 Methylpentane	0.952	0.705	0.619
n-Hexane	2.951	2.199	1.919
Methylcyclopentane	0.695	0.446	0.442
Benzene	0.321	0.163	0.189
Cyclohexane	1.734	1.070	1.102
2-Methylhexane	0.666	0.561	0.504
3-Methylhexane	0.616	0.513	0.466
2,2,4 Trimethylpentane	0.361	0.340	0.311
Other C-7's	0.747	0.595	0.559
n-Heptane	1.961	1.640	1.483
Methylcyclohexane	3.230	2.353	2.394
Toluene	1.398	0.849	0.972
Other C-8's	4.580	3.930	3.809
n-Octane	2.003	1.860	1.727
E-Benzene	0.442	0.309	0.354
M & P Xylenes	1.305	0.918	1.046
O-Xylene	0.380	0.262	0.305
Other C-9's	3.989	3.824	3.801
n-Nonane	1.779	1.814	1.721
Other C-10's	4.443	4.679	4.737
n-decane	1.351	1.503	1.451
Undecanes(11)	4.517	4.881	5.011
Dodecanes(12)	3.298	3.850	4.007
Tridecanes(13)	3.348	4.190	4.421
Tetradecanes(14)	2.785	3.733	3.993
Pentadecanes(15)	2.450	3.518	3.808
Hexadecanes(16)	1.786	2.741	2.992
Heptadecanes(17)	1.557	2.527	2.784
Octadecanes(18)	1.450	2.479	2.748
Nonadecanes(19)	1.265	2.252	2.511
Eicosanes(20)	0.928	1.718	1.927
Heneicosanes(21)	0.794	1.546	1.744
Docosanes(22)	0.695	1.409	1.599
Tricosanes(23)	0.609	1.280	1.460
Tetracosanes(24)	0.497	1.082	1.240
Pentacosanes(25)	0.467	1.056	1.216
Hexacosanes(26)	0.391	0.915	1.058
Heptacosanes(27)	0.364	0.883	1.026
Octacosanes(28)	0.333	0.836	0.974
Nonacosanes(29)	0.262	0.680	0.795
Triacontanes(30)	0.210	0.563	0.661
Hentriacontanes Plus(31+)	2.933	9.887	11.999
Total	100.000	100.000	100.000

Flaring Summary

	11/25/2022
battery	Sum(TOTAL F...
Apollo State Com CTB B	56.00
Grand total	56.00

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

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 175415
	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.

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 175415

QUESTIONS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 175415
	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	**[fAPP2134535440] Apollo B 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	67
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.*

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 (continued)

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 175415
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	11/25/2022
Time vent or flare was discovered or commenced	12:01 AM
Time vent or flare was terminated	11:59 PM
Cumulative hours during this event	1

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 | Gas Compressor Station | Natural Gas Flared | Released: 56 Mcf | Recovered: 0 Mcf | Lost: 56 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 the compressor on location go down. Due to this the facility was shut in, but not before Tap Rock flared over the regulated volumes. Tap Rock also saw flare volumes due to flash gas coming off of the tanks and an excess amount of oxygen at the tank level due to VRU downtime. The amount of oxygen does not meet pipeline quality specifications for our midstream provider. 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 the compressor on location go down. Due to this the facility was shut in, but not before Tap Rock flared over the regulated volumes. Tap Rock also saw flare volumes due to flash gas coming off of the tanks and an excess amount of oxygen at the tank level due to VRU downtime. The amount of oxygen does not meet pipeline quality specifications for our midstream provider. 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.

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

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 175415
	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.

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 175415

CONDITIONS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 175415
	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.	1/12/2023