

April 8, 2025

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

For: Coterra Energy, Inc.
840 Gessner Road, Suite 1400
Houston, Texas 77024

Sample: Speyside CTB
Well No. 302H First Stage Separator
Spot Gas Sample @ 105 psig & 96 °F

Date Sampled: 03/22/2025

Job Number: 251785.011

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286

COMPONENT	MOL%	GPM
Hydrogen Sulfide*	0.050	
Nitrogen	4.630	
Carbon Dioxide	15.177	
Methane	62.444	
Ethane	9.053	2.479
Propane	4.854	1.369
Isobutane	0.638	0.214
n-Butane	1.534	0.495
2-2 Dimethylpropane	0.004	0.002
Isopentane	0.432	0.162
n-Pentane	0.438	0.163
Hexanes	0.294	0.124
Heptanes Plus	0.452	0.184
Totals	100.000	5.191

Computed Real Characteristics Of Heptanes Plus:

Specific Gravity ----- 3.360 (Air=1)
Molecular Weight ----- 96.93
Gross Heating Value ----- 5150 BTU/CF

Computed Real Characteristics Of Total Sample:

Specific Gravity ----- 0.883 (Air=1)
Compressibility (Z) ----- 0.9960
Molecular Weight ----- 25.46
Gross Heating Value
Dry Basis ----- 1084 BTU/CF
Saturated Basis ----- 1066 BTU/CF

*Hydrogen Sulfide tested on location by: Stain Tube Method (GPA 2377)
Results: 31.45 Gr/100 CF, 500.0 PPMV or 0.050 Mol %

Base Conditions: 15.025 PSI & 60 Deg F

Sampled By: (16) D. Field
Analyst: EP
Processor: KV
Cylinder ID: T-5763

Certified: FESCO, Ltd. - Alice, Texas

Conan Pierce 361-661-7015

FESCO, Ltd.

Job Number: 251785.011

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

COMPONENT	MOL %	GPM	WT %
Hydrogen Sulfide*	0.050		0.067
Nitrogen	4.630		5.095
Carbon Dioxide	15.177		26.236
Methane	62.444		39.350
Ethane	9.053	2.479	10.693
Propane	4.854	1.369	8.408
Isobutane	0.638	0.214	1.457
n-Butane	1.534	0.495	3.502
2,2 Dimethylpropane	0.004	0.002	0.011
Isopentane	0.432	0.162	1.224
n-Pentane	0.438	0.163	1.241
2,2 Dimethylbutane	0.003	0.001	0.010
Cyclopentane	0.000	0.000	0.000
2,3 Dimethylbutane	0.034	0.014	0.115
2 Methylpentane	0.090	0.038	0.305
3 Methylpentane	0.056	0.023	0.190
n-Hexane	0.111	0.047	0.376
Methylcyclopentane	0.049	0.018	0.162
Benzene	0.049	0.014	0.150
Cyclohexane	0.051	0.018	0.169
2-Methylhexane	0.014	0.007	0.055
3-Methylhexane	0.018	0.008	0.071
2,2,4 Trimethylpentane	0.010	0.005	0.045
Other C7's	0.028	0.012	0.109
n-Heptane	0.032	0.015	0.126
Methylcyclohexane	0.039	0.016	0.150
Toluene	0.058	0.020	0.210
Other C8's	0.044	0.021	0.190
n-Octane	0.011	0.006	0.049
Ethylbenzene	0.006	0.002	0.025
M & P Xylenes	0.011	0.004	0.046
O-Xylene	0.003	0.001	0.013
Other C9's	0.016	0.008	0.079
n-Nonane	0.003	0.002	0.015
Other C10's	0.008	0.005	0.044
n-Decane	0.001	0.001	0.006
Undecanes (11)	<u>0.001</u>	<u>0.001</u>	<u>0.006</u>
Totals	100.000	5.191	100.000

Computed Real Characteristics of Total Sample

Specific Gravity -----	0.883	(Air=1)
Compressibility (Z) -----	0.9960	
Molecular Weight -----	25.46	
Gross Heating Value		
Dry Basis -----	1084	BTU/CF
Saturated Basis -----	1066	BTU/CF

April 8, 2025

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

Sample: Speyside CTB
 Well No. 302H First Stage Separator
 Spot Gas Sample @ 105 psig & 96 °F

Date Sampled: 03/22/2025

Job Number: 251785.011

GLYCALC FORMAT

COMPONENT	MOL%	GPM	Wt %
Carbon Dioxide	15.177		26.236
Hydrogen Sulfide	0.050		0.067
Nitrogen	4.630		5.095
Methane	62.444		39.350
Ethane	9.053	2.479	10.693
Propane	4.854	1.369	8.408
Isobutane	0.638	0.214	1.457
n-Butane	1.538	0.497	3.513
Isopentane	0.432	0.162	1.224
n-Pentane	0.438	0.163	1.241
Cyclopentane	0.000	0.000	0.000
n-Hexane	0.111	0.047	0.376
Cyclohexane	0.051	0.018	0.169
Other C6's	0.183	0.077	0.620
Heptanes	0.141	0.060	0.523
Methylcyclohexane	0.039	0.016	0.150
2,2,4 Trimethylpentane	0.010	0.005	0.045
Benzene	0.049	0.014	0.150
Toluene	0.058	0.020	0.210
Ethylbenzene	0.006	0.002	0.025
Xylenes	0.014	0.006	0.059
Octanes Plus	<u>0.084</u>	<u>0.043</u>	<u>0.389</u>
Totals	100.000	5.191	100.000

Real Characteristics Of Octanes Plus:

Specific Gravity -----	4.102	(Air=1)
Molecular Weight -----	118.33	
Gross Heating Value -----	6226	BTU/CF

Real Characteristics Of Total Sample:

Specific Gravity -----	0.883	(Air=1)
Compressibility (Z) -----	0.9960	
Molecular Weight -----	25.46	
Gross Heating Value		
Dry Basis -----	1084	BTU/CF
Saturated Basis -----	1066	BTU/CF

April 8, 2025

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

For: Coterra Energy, Inc.
840 Gessner Road, Suite 1400
Houston, Texas 77024

Sample: Speyside CTB
Heater Treater
Spot Gas Sample @ 34 psig & 111 °F

Date Sampled: 03/22/2025

Job Number: 251785.001

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286

COMPONENT	MOL%	GPM
Hydrogen Sulfide*	0.025	
Nitrogen	0.508	
Carbon Dioxide	7.561	
Methane	41.533	
Ethane	21.085	5.801
Propane	16.075	4.556
Isobutane	2.358	0.794
n-Butane	5.729	1.858
2-2 Dimethylpropane	0.020	0.008
Isopentane	1.407	0.529
n-Pentane	1.423	0.531
Hexanes	0.893	0.378
Heptanes Plus	1.383	0.550
Totals	100.000	15.006

Computed Real Characteristics Of Heptanes Plus:

Specific Gravity ----- 3.286 (Air=1)
Molecular Weight ----- 94.35
Gross Heating Value ----- 5026 BTU/CF

Computed Real Characteristics Of Total Sample:

Specific Gravity ----- 1.129 (Air=1)
Compressibility (Z) ----- 0.9912
Molecular Weight ----- 32.40
Gross Heating Value
Dry Basis ----- 1738 BTU/CF
Saturated Basis ----- 1709 BTU/CF

*Hydrogen Sulfide tested on location by: Stain Tube Method (GPA 2377)
Results: 15.72 Gr/100 CF, 250.0 PPMV or 0.025 Mol %

Base Conditions: 15.025 PSI & 60 Deg F

Sampled By: (16) D. Field
Analyst: EP
Processor: KV
Cylinder ID: T-5736

Certified: FESCO, Ltd. - Alice, Texas

Conan Pierce 361-661-7015

FESCO, Ltd.

Job Number: 251785.001

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

COMPONENT	MOL %	GPM	WT %
Hydrogen Sulfide*	0.025		0.026
Nitrogen	0.508		0.439
Carbon Dioxide	7.561		10.270
Methane	41.533		20.563
Ethane	21.085	5.801	19.568
Propane	16.075	4.556	21.877
Isobutane	2.358	0.794	4.230
n-Butane	5.729	1.858	10.277
2,2 Dimethylpropane	0.020	0.008	0.045
Isopentane	1.407	0.529	3.133
n-Pentane	1.423	0.531	3.169
2,2 Dimethylbutane	0.011	0.005	0.029
Cyclopentane	0.000	0.000	0.000
2,3 Dimethylbutane	0.111	0.047	0.295
2 Methylpentane	0.284	0.121	0.755
3 Methylpentane	0.160	0.067	0.426
n-Hexane	0.327	0.138	0.870
Methylcyclopentane	0.158	0.058	0.410
Benzene	0.183	0.053	0.441
Cyclohexane	0.249	0.087	0.647
2-Methylhexane	0.037	0.018	0.114
3-Methylhexane	0.046	0.022	0.142
2,2,4 Trimethylpentane	0.025	0.013	0.088
Other C7's	0.085	0.038	0.260
n-Heptane	0.082	0.039	0.254
Methylcyclohexane	0.155	0.064	0.470
Toluene	0.136	0.047	0.387
Other C8's	0.105	0.050	0.357
n-Octane	0.022	0.012	0.078
Ethylbenzene	0.010	0.004	0.033
M & P Xylenes	0.020	0.008	0.066
O-Xylene	0.005	0.002	0.016
Other C9's	0.039	0.020	0.152
n-Nonane	0.007	0.004	0.028
Other C10's	0.013	0.008	0.057
n-Decane	0.003	0.002	0.013
Undecanes (11)	<u>0.003</u>	<u>0.002</u>	<u>0.015</u>
Totals	100.000	15.006	100.000

Computed Real Characteristics of Total Sample

Specific Gravity -----	1.129	(Air=1)
Compressibility (Z) -----	0.9912	
Molecular Weight -----	32.40	
Gross Heating Value		
Dry Basis -----	1738	BTU/CF
Saturated Basis -----	1709	BTU/CF

April 8, 2025

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

Sample: Speyside CTB
Heater Treater
Spot Gas Sample @ 34 psig & 111 °F

Date Sampled: 03/22/2025

Job Number: 251785.001

GLYCALC FORMAT

COMPONENT	MOL%	GPM	Wt %
Carbon Dioxide	7.561		10.270
Hydrogen Sulfide	0.025		0.026
Nitrogen	0.508		0.439
Methane	41.533		20.563
Ethane	21.085	5.801	19.568
Propane	16.075	4.556	21.877
Isobutane	2.358	0.794	4.230
n-Butane	5.749	1.866	10.322
Isopentane	1.407	0.529	3.133
n-Pentane	1.423	0.531	3.169
Cyclopentane	0.000	0.000	0.000
n-Hexane	0.327	0.138	0.870
Cyclohexane	0.249	0.087	0.647
Other C6's	0.566	0.240	1.505
Heptanes	0.408	0.174	1.180
Methylcyclohexane	0.155	0.064	0.470
2,2,4 Trimethylpentane	0.025	0.013	0.088
Benzene	0.183	0.053	0.441
Toluene	0.136	0.047	0.387
Ethylbenzene	0.010	0.004	0.033
Xylenes	0.025	0.010	0.082
Octanes Plus	<u>0.192</u>	<u>0.098</u>	<u>0.700</u>
Totals	100.000	15.006	100.000

Real Characteristics Of Octanes Plus:

Specific Gravity ----- 4.110 (Air=1)
Molecular Weight ----- 117.99
Gross Heating Value ----- 6197 BTU/CF

Real Characteristics Of Total Sample:

Specific Gravity ----- 1.129 (Air=1)
Compressibility (Z) ----- 0.9912
Molecular Weight ----- 32.40
Gross Heating Value
Dry Basis ----- 1738 BTU/CF
Saturated Basis ----- 1709 BTU/CF

April 8, 2025

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

For: Coterra Energy, Inc.
840 Gessner Road, Suite 1400
Houston, Texas 77024

Sample: Speyside CTB
Tank Vapors
Spot Gas Sample @ <1 psig & 100 °F

Date Sampled: 03/22/2025

Job Number: 251785.021

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286

COMPONENT	MOL%	GPM
Hydrogen Sulfide*	0.030	
Nitrogen	0.221	
Carbon Dioxide	6.600	
Methane	16.142	
Ethane	20.920	5.800
Propane	27.570	7.874
Isobutane	5.071	1.720
n-Butane	12.981	4.242
2-2 Dimethylpropane	0.031	0.012
Isopentane	3.316	1.257
n-Pentane	3.240	1.218
Hexanes	1.953	0.834
Heptanes Plus	1.925	0.746
Totals	100.000	23.703

Computed Real Characteristics Of Heptanes Plus:

Specific Gravity ----- 3.197 (Air=1)
Molecular Weight ----- 91.08
Gross Heating Value ----- 4868 BTU/CF

Computed Real Characteristics Of Total Sample:

Specific Gravity ----- 1.498 (Air=1)
Compressibility (Z) ----- 0.9837
Molecular Weight ----- 42.70
Gross Heating Value
Dry Basis ----- 2353 BTU/CF
Saturated Basis ----- 2312 BTU/CF

*Hydrogen Sulfide tested on location by: Stain Tube Method (GPA 2377)
Results: 18.87 Gr/100 CF, 300.0 PPMV or 0.030 Mol %

Base Conditions: 15.025 PSI & 60 Deg F

Sampled By: (16) D. Field
Analyst: LG
Processor: KV
Cylinder ID: T-6148

Certified: FESCO, Ltd. - Alice, Texas

Conan Pierce 361-661-7015

FESCO, Ltd.

Job Number: 251785.021

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

COMPONENT	MOL %	GPM	WT %
Hydrogen Sulfide*	0.030		0.024
Nitrogen	0.221		0.145
Carbon Dioxide	6.600		6.803
Methane	16.142		6.067
Ethane	20.920	5.800	14.733
Propane	27.570	7.874	28.474
Isobutane	5.071	1.720	6.903
n-Butane	12.981	4.242	17.671
2,2 Dimethylpropane	0.031	0.012	0.052
Isopentane	3.316	1.257	5.604
n-Pentane	3.240	1.218	5.475
2,2 Dimethylbutane	0.026	0.011	0.052
Cyclopentane	0.000	0.000	0.000
2,3 Dimethylbutane	0.260	0.111	0.525
2 Methylpentane	0.643	0.277	1.298
3 Methylpentane	0.355	0.150	0.717
n-Hexane	0.669	0.285	1.350
Methylcyclopentane	0.310	0.114	0.611
Benzene	0.322	0.093	0.589
Cyclohexane	0.417	0.147	0.822
2-Methylhexane	0.058	0.028	0.136
3-Methylhexane	0.069	0.033	0.162
2,2,4 Trimethylpentane	0.038	0.020	0.102
Other C7's	0.130	0.059	0.302
n-Heptane	0.103	0.049	0.242
Methylcyclohexane	0.186	0.078	0.428
Toluene	0.131	0.045	0.283
Other C8's	0.091	0.044	0.235
n-Octane	0.019	0.010	0.051
Ethylbenzene	0.006	0.002	0.015
M & P Xylenes	0.011	0.004	0.027
O-Xylene	0.001	0.000	0.002
Other C9's	0.024	0.013	0.071
n-Nonane	0.003	0.002	0.009
Other C10's	0.005	0.003	0.017
n-Decane	0.001	0.001	0.003
Undecanes (11)	<u>0.000</u>	<u>0.000</u>	<u>0.000</u>
Totals	100.000	23.703	100.000

Computed Real Characteristics of Total Sample

Specific Gravity -----	1.498	(Air=1)
Compressibility (Z) -----	0.9837	
Molecular Weight -----	42.70	
Gross Heating Value		
Dry Basis -----	2353	BTU/CF
Saturated Basis -----	2312	BTU/CF

April 8, 2025

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

Sample: Speyside CTB
Tank Vapors
Spot Gas Sample @ <1 psig & 100 °F

Date Sampled: 03/22/2025

Job Number: 251785.021

GLYCALC FORMAT

COMPONENT	MOL%	GPM	Wt %
Carbon Dioxide	6.600		6.803
Hydrogen Sulfide	0.030		0.024
Nitrogen	0.221		0.145
Methane	16.142		6.067
Ethane	20.920	5.800	14.733
Propane	27.570	7.874	28.474
Isobutane	5.071	1.720	6.903
n-Butane	13.012	4.255	17.723
Isopentane	3.316	1.257	5.604
n-Pentane	3.240	1.218	5.475
Cyclopentane	0.000	0.000	0.000
n-Hexane	0.669	0.285	1.350
Cyclohexane	0.417	0.147	0.822
Other C6's	1.284	0.549	2.592
Heptanes	0.670	0.282	1.453
Methylcyclohexane	0.186	0.078	0.428
2,2,4 Trimethylpentane	0.038	0.020	0.102
Benzene	0.322	0.093	0.589
Toluene	0.131	0.045	0.283
Ethylbenzene	0.006	0.002	0.015
Xylenes	0.012	0.005	0.029
Octanes Plus	<u>0.143</u>	<u>0.072</u>	<u>0.386</u>
Totals	100.000	23.703	100.000

Real Characteristics Of Octanes Plus:

Specific Gravity ----- 4.041 (Air=1)
Molecular Weight ----- 115.13
Gross Heating Value ----- 6005 BTU/CF

Real Characteristics Of Total Sample:

Specific Gravity ----- 1.498 (Air=1)
Compressibility (Z) ----- 0.9837
Molecular Weight ----- 42.70
Gross Heating Value
Dry Basis ----- 2353 BTU/CF
Saturated Basis ----- 2312 BTU/CF

April 14, 2025

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

For: Coterra Energy, Inc.
 840 Gessner Road, Suite 1400
 Houston, Texas 77024

Sample: Speyside CTB
 Well No. 302H First Stage Separator Hydrocarbon Liquid
 Sampled @ 105 psig & 96 °F

Date Sampled: 03/22/2025

Job Number: 251785.002

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2186-M

COMPONENT	MOL %	LIQ VOL %	WT %
Nitrogen	0.045	0.008	0.008
Carbon Dioxide	1.132	0.313	0.319
Methane	2.200	0.604	0.226
Ethane	2.008	0.869	0.387
Propane	3.576	1.595	1.010
Isobutane	1.047	0.555	0.390
n-Butane	3.709	1.893	1.380
2,2 Dimethylpropane	0.034	0.021	0.016
Isopentane	2.512	1.487	1.160
n-Pentane	3.391	1.990	1.566
2,2 Dimethylbutane	0.067	0.045	0.037
Cyclopentane	0.000	0.000	0.000
2,3 Dimethylbutane	0.128	0.085	0.071
2 Methylpentane	2.037	1.369	1.124
3 Methylpentane	1.160	0.767	0.640
n-Hexane	3.093	2.059	1.706
Heptanes Plus	<u>73.861</u>	<u>86.342</u>	<u>89.962</u>
Totals:	100.000	100.000	100.000

Characteristics of Heptanes Plus:

Specific Gravity -----	0.8349 (Water=1)
°API Gravity -----	37.98 @ 60°F
Molecular Weight -----	190.3
Vapor Volume -----	13.58 CF/Gal
Weight -----	6.96 Lbs/Gal

Characteristics of Total Sample:

Specific Gravity -----	0.8013 (Water=1)
°API Gravity -----	45.09 @ 60°F
Molecular Weight -----	156.2
Vapor Volume -----	15.87 CF/Gal
Weight -----	6.68 Lbs/Gal

Base Conditions: 15.025 PSI & 60 °F

Certified: FESCO, Ltd. - Alice, Texas

Sampled By: (14) SG
 Analyst: JG
 Processor: JG
 Cylinder ID: W-1828

 Conan Pierce 361-661-7015

FESCO, Ltd.

Job Number: 251785.002

TANKS DATA INPUT REPORT - GPA 2186-M

COMPONENT	Mol %	LiqVol %	Wt %
Carbon Dioxide	1.132	0.313	0.319
Nitrogen	0.045	0.008	0.008
Methane	2.200	0.604	0.226
Ethane	2.008	0.869	0.387
Propane	3.576	1.595	1.010
Isobutane	1.047	0.555	0.390
n-Butane	3.743	1.914	1.396
Isopentane	2.512	1.487	1.160
n-Pentane	3.391	1.990	1.566
Other C-6's	3.392	2.266	1.871
Heptanes	7.576	5.057	4.540
Octanes	8.741	6.452	6.000
Nonanes	5.222	4.504	4.237
Decanes Plus	42.422	64.615	69.062
Benzene	1.332	0.604	0.666
Toluene	4.388	2.379	2.588
E-Benzene	0.867	0.542	0.589
Xylenes	2.762	1.727	1.877
n-Hexane	3.093	2.059	1.706
2,2,4 Trimethylpentane	0.550	0.463	0.402
Totals:	100.000	100.000	100.000

Characteristics of Total Sample:

Specific Gravity -----	0.8013 (Water=1)
°API Gravity -----	45.09 @ 60°F
Molecular Weight-----	156.2
Vapor Volume -----	15.87 CF/Gal
Weight -----	6.68 Lbs/Gal

Characteristics of Decanes (C10) Plus:

Specific Gravity -----	0.8565 (Water=1)
Molecular Weight-----	254.3

Characteristics of Atmospheric Sample:

°API Gravity -----	42.25 @ 60°F
Reid Vapor Pressure Equivalent (D-6377)-----	9.06 psi

QUALITY CONTROL CHECK			
	Sampling Conditions	Test Samples	
Cylinder Number	-----	W-1828	-----
Pressure, PSIG	105	105	-----
Probe Temperature, °F	96	96	-----

* Sample used for analysis

FESCO, Ltd.

Job Number: 251785.002

TOTAL EXTENDED REPORT - GPA 2186-M

COMPONENT	Mol %	LiqVol %	Wt %
Nitrogen	0.045	0.008	0.008
Carbon Dioxide	1.132	0.313	0.319
Methane	2.200	0.604	0.226
Ethane	2.008	0.869	0.387
Propane	3.576	1.595	1.010
Isobutane	1.047	0.555	0.390
n-Butane	3.709	1.893	1.380
2,2 Dimethylpropane	0.034	0.021	0.016
Isopentane	2.512	1.487	1.160
n-Pentane	3.391	1.990	1.566
2,2 Dimethylbutane	0.067	0.045	0.037
Cyclopentane	0.000	0.000	0.000
2,3 Dimethylbutane	0.128	0.085	0.071
2 Methylpentane	2.037	1.369	1.124
3 Methylpentane	1.160	0.767	0.640
n-Hexane	3.093	2.059	1.706
Methylcyclopentane	1.331	0.762	0.717
Benzene	1.332	0.604	0.666
Cyclohexane	1.738	0.957	0.936
2-Methylhexane	0.913	0.687	0.585
3-Methylhexane	0.955	0.710	0.613
2,2,4 Trimethylpentane	0.550	0.463	0.402
Other C-7's	0.707	0.498	0.449
n-Heptane	1.932	1.443	1.239
Methylcyclohexane	2.729	1.776	1.715
Toluene	4.388	2.379	2.588
Other C-8's	4.351	3.299	3.070
n-Octane	1.661	1.377	1.214
E-Benzene	0.867	0.542	0.589
M & P Xylenes	2.142	1.345	1.456
O-Xylene	0.620	0.381	0.421
Other C-9's	3.949	3.344	3.191
n-Nonane	1.274	1.160	1.046
Other C-10's	4.828	4.493	4.367
n-decane	0.922	0.916	0.840
Undecanes(11)	4.714	4.501	4.436
Dodecanes(12)	3.367	3.472	3.470
Tridecanes(13)	3.364	3.720	3.769
Tetradecanes(14)	2.849	3.375	3.465
Pentadecanes(15)	2.470	3.134	3.258
Hexadecanes(16)	1.988	2.696	2.825
Heptadecanes(17)	1.750	2.509	2.655
Octadecanes(18)	1.643	2.481	2.640
Nonadecanes(19)	1.565	2.460	2.634
Eicosanes(20)	1.240	2.027	2.183
Heneicosanes(21)	1.071	1.843	1.996
Docosanes(22)	0.983	1.761	1.919
Tricosanes(23)	0.875	1.625	1.780
Tetracosanes(24)	0.799	1.537	1.692
Pentacosanes(25)	0.720	1.438	1.589
Hexacosanes(26)	0.664	1.375	1.527
Heptacosanes(27)	0.627	1.345	1.501
Octacosanes(28)	0.584	1.296	1.450
Nonacosanes(29)	0.543	1.245	1.398
Triacontanes(30)	0.484	1.145	1.290
Hentriacontanes Plus(31+)	<u>4.374</u>	<u>14.221</u>	<u>16.379</u>
Total	100.000	100.000	100.000

April 14, 2025

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

For: Coterra Energy, Inc.
 840 Gessner Road, Suite 1400
 Houston, Texas 77024

Sample: Speyside CTB
 Heater Treater Hydrocarbon Liquid
 Sampled @ 34 psig & 111 °F

Date Sampled: 03/22/2025

Job Number: 251785.012

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2186-M

COMPONENT	MOL %	LIQ VOL %	WT %
Nitrogen	0.011	0.002	0.002
Carbon Dioxide	0.160	0.045	0.046
Methane	0.754	0.210	0.079
Ethane	2.071	0.910	0.405
Propane	4.763	2.155	1.367
Isobutane	1.248	0.671	0.472
n-Butane	4.819	2.495	1.822
2,2 Dimethylpropane	0.136	0.086	0.064
Isopentane	2.495	1.498	1.171
n-Pentane	3.605	2.146	1.692
2,2 Dimethylbutane	0.025	0.017	0.014
Cyclopentane	0.000	0.000	0.000
2,3 Dimethylbutane	0.986	0.664	0.553
2 Methylpentane	1.041	0.709	0.583
3 Methylpentane	0.977	0.655	0.548
n-Hexane	2.434	1.643	1.364
Heptanes Plus	<u>74.475</u>	<u>86.095</u>	<u>89.818</u>
Totals:	100.000	100.000	100.000

Characteristics of Heptanes Plus:

Specific Gravity -----	0.8344 (Water=1)
°API Gravity -----	38.08 @ 60°F
Molecular Weight -----	185.4
Vapor Volume -----	13.93 CF/Gal
Weight -----	6.95 Lbs/Gal

Characteristics of Total Sample:

Specific Gravity -----	0.7998 (Water=1)
°API Gravity -----	45.42 @ 60°F
Molecular Weight -----	153.7
Vapor Volume -----	16.10 CF/Gal
Weight -----	6.66 Lbs/Gal

Base Conditions: 15.025 PSI & 60 °F

Certified: FESCO, Ltd. - Alice, Texas

Sampled By: (14) Stetson G.
 Analyst: JL
 Processor: HH
 Cylinder ID: W-1456

 Conan Pierce 361-661-7015

FESCO, Ltd.

Job Number: 251785.012

TANKS DATA INPUT REPORT - GPA 2186-M

COMPONENT	Mol %	LiqVol %	Wt %
Carbon Dioxide	0.160	0.045	0.046
Nitrogen	0.011	0.002	0.002
Methane	0.754	0.210	0.079
Ethane	2.071	0.910	0.405
Propane	4.763	2.155	1.367
Isobutane	1.248	0.671	0.472
n-Butane	4.955	2.581	1.886
Isopentane	2.495	1.498	1.171
n-Pentane	3.605	2.146	1.692
Other C-6's	3.028	2.045	1.698
Heptanes	9.929	6.524	5.940
Octanes	10.349	7.615	7.130
Nonanes	5.271	4.614	4.347
Decanes Plus	38.588	61.387	65.999
Benzene	1.953	0.897	0.992
Toluene	4.503	2.476	2.700
E-Benzene	0.784	0.497	0.541
Xylenes	2.555	1.620	1.765
n-Hexane	2.434	1.643	1.364
2,2,4 Trimethylpentane	<u>0.542</u>	<u>0.463</u>	<u>0.403</u>
Totals:	100.000	100.000	100.000

Characteristics of Total Sample:

Specific Gravity -----	0.7998	(Water=1)
°API Gravity -----	45.42	@ 60°F
Molecular Weight-----	153.7	
Vapor Volume -----	16.10	CF/Gal
Weight -----	6.66	Lbs/Gal

Characteristics of Decanes (C10) Plus:

Specific Gravity -----	0.8599	(Water=1)
Molecular Weight-----	262.9	

Characteristics of Atmospheric Sample:

°API Gravity -----	43.35	@ 60°F
Reid Vapor Pressure Equivalent (D-6377)-----	9.46	psi

QUALITY CONTROL CHECK		
	Sampling Conditions	Test Samples
Cylinder Number	-----	W-1456 -----
Pressure, PSIG	34	30 -----
Probe Temperature, °F	111	111 -----

* Sample used for analysis

FESCO, Ltd.

Job Number: 251785.012

TOTAL EXTENDED REPORT - GPA 2186-M

COMPONENT	Mol %	LiqVol %	Wt %
Nitrogen	0.011	0.002	0.002
Carbon Dioxide	0.160	0.045	0.046
Methane	0.754	0.210	0.079
Ethane	2.071	0.910	0.405
Propane	4.763	2.155	1.367
Isobutane	1.248	0.671	0.472
n-Butane	4.819	2.495	1.822
2,2 Dimethylpropane	0.136	0.086	0.064
Isopentane	2.495	1.498	1.171
n-Pentane	3.605	2.146	1.692
2,2 Dimethylbutane	0.025	0.017	0.014
Cyclopentane	0.000	0.000	0.000
2,3 Dimethylbutane	0.986	0.664	0.553
2 Methylpentane	1.041	0.709	0.583
3 Methylpentane	0.977	0.655	0.548
n-Hexane	2.434	1.643	1.364
Methylcyclopentane	1.740	1.011	0.953
Benzene	1.953	0.897	0.992
Cyclohexane	3.316	1.853	1.816
2-Methylhexane	0.935	0.714	0.610
3-Methylhexane	1.082	0.816	0.705
2,2,4 Trimethylpentane	0.542	0.463	0.403
Other C-7's	0.769	0.549	0.496
n-Heptane	2.088	1.582	1.361
Methylcyclohexane	4.284	2.828	2.737
Toluene	4.503	2.476	2.700
Other C-8's	4.372	3.363	3.135
n-Octane	1.693	1.424	1.258
E-Benzene	0.784	0.497	0.541
M & P Xylenes	1.964	1.251	1.356
O-Xylene	0.591	0.369	0.408
Other C-9's	3.943	3.387	3.239
n-Nonane	1.328	1.227	1.108
Other C-10's	4.607	4.349	4.234
n-decane	1.054	1.062	0.976
Undecanes(11)	4.262	4.128	4.076
Dodecanes(12)	3.088	3.231	3.235
Tridecanes(13)	3.097	3.474	3.526
Tetradecanes(14)	2.584	3.105	3.194
Pentadecanes(15)	2.220	2.858	2.976
Hexadecanes(16)	1.715	2.359	2.477
Heptadecanes(17)	1.427	2.076	2.201
Octadecanes(18)	1.355	2.076	2.214
Nonadecanes(19)	1.215	1.938	2.078
Eicosanes(20)	0.979	1.624	1.752
Heneicosanes(21)	0.834	1.455	1.579
Docosanes(22)	0.758	1.378	1.504
Tricosanes(23)	0.675	1.272	1.397
Tetracosanes(24)	0.608	1.187	1.309
Pentacosanes(25)	0.542	1.099	1.217
Hexacosanes(26)	0.496	1.040	1.157
Heptacosanes(27)	0.464	1.010	1.129
Octacosanes(28)	0.422	0.951	1.066
Nonacosanes(29)	0.385	0.894	1.006
Triacotanes(30)	0.350	0.838	0.947
Hentriacotanes Plus(31+)	<u>5.452</u>	<u>17.982</u>	<u>20.750</u>
Total	100.000	100.000	100.000

Received by OCD: 7/30/2026 8:58:15 AM

Timestamp



Data Value



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Units



Released to Imaging: 7/30/2026 9:03:02 AM

07/12/2026 9:00:00 AM

76.84

MCF

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Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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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 609543

DEFINITIONS

Operator: Paloma Permian AssetCo, LLC 1100 Louisiana, Ste. 5100 Houston, TX 77002	OGRID: 332449
	Action Number: 609543
	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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Santa Fe, NM 87505

QUESTIONS

Action 609543

QUESTIONS

Operator: Paloma Permian AssetCo, LLC 1100 Louisiana, Ste. 5100 Houston, TX 77002	OGRID: 332449
	Action Number: 609543
	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	[fAPP2332555411] SPEYSIDE 18 FEDERAL COM CTB

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	Yes
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 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 <i>Please provide the mole percent for the percentage questions in this group.</i>	
Methane (CH4) percentage	62
Nitrogen (N2) percentage, if greater than one percent	5
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (CO2) percentage, if greater than one percent	15
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 609543

QUESTIONS (continued)

Operator: Paloma Permian AssetCo, LLC 1100 Louisiana, Ste. 5100 Houston, TX 77002	OGRID: 332449
	Action Number: 609543
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	07/11/2026
Time vent or flare was discovered or commenced	09:00 AM
Time vent or flare was terminated	09:00 AM
Cumulative hours during this event	24

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: Midstream Emergency Maintenance Well Natural Gas Flared Released: 77 Mcf Recovered: 0 Mcf Lost: 77 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	Yes
Was notification of downstream activity received by this operator	No
Downstream OGRID that should have notified this operator	[24650] TARGA MIDSTREAM SERVICES LLC
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	Targa compressor station down. New event.
Steps taken to limit the duration and magnitude of vent or flare	Wells were immediately choked backed and Targa was contacted to restart compressors.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Targa working to correct

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ACKNOWLEDGMENTS

Action 609543

ACKNOWLEDGMENTS

Operator: Paloma Permian AssetCo, LLC 1100 Louisiana, Ste. 5100 Houston, TX 77002	OGRID: 332449
	Action Number: 609543
	Action Type: [C-129] Venting and/or Flaring (C-129)

ACKNOWLEDGMENTS

☒	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.
☒	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 609543

CONDITIONS

Operator: Paloma Permian AssetCo, LLC 1100 Louisiana, Ste. 5100 Houston, TX 77002	OGRID: 332449
	Action Number: 609543
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
kbeasley	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.	7/30/2026