April 02, 2025

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

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

Sample: Eagle CTB
Tank Vapors
Spot Gas Sample @ <1 psig & 57 °F

Date Sampled: 03/20/2025 Job Number: 251788.031

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286

COMPONENT	MOL%	GPM
Hydrogen Sulfide*	0.200	
Nitrogen	3.401	
Carbon Dioxide	1.918	
Methane	51.716	
Ethane	18.423	5.059
Propane	14.872	4.207
Isobutane	1.673	0.562
n-Butane	4.544	1.471
2-2 Dimethylpropane	0.012	0.005
Isopentane	1.023	0.384
n-Pentane	0.921	0.343
Hexanes	0.594	0.251
Heptanes Plus	0.703	0.290
Totals	100.000	12.570

Computed Real Characteristics Of Heptanes Plus:

Specific Gravity	3.305	(Air=1)
Molecular Weight	95.07	
Gross Heating Value	5117	BTU/CF

Computed Real Characteristics Of Total Sample:

Specific Gravity	0.989	(Air=1)
Compressibility (Z)	0.9933	
Molecular Weight	28.46	
Gross Heating Value		
Dry Basis	1614	BTU/CF
Saturated Basis	1587	BTU/CF

*Hydrogen Sulfide tested on location by: Stain Tube Method (GPA 2377)
Results: 125.8 Gr/100 CF, 2000 PPMV or 0.200 Mol %

Base Conditions: 15.025 PSI & 60 Deg F

Sampled By: (16) Dennis F.
Analyst: EP
Processor: HH
Cylinder ID: T-2791

Certified: FESCO, Ltd. - Alice, Texas

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Conan Pierce 361-661-7015

FESCO, Ltd. Job Number: 251788.031

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286
TOTAL REPORT

COMPONENT	MOL %	GPM	WT %
Hydrogen Sulfide*	0.200		0.239
Nitrogen	3.401		3.347
Carbon Dioxide	1.918		2.965
Methane	51.716		29.151
Ethane	18.423	5.059	19.462
Propane	14.872	4.207	23.039
Isobutane	1.673	0.562	3.416
n-Butane	4.544	1.471	9.279
2,2 Dimethylpropane	0.012	0.005	0.030
Isopentane	1.023	0.384	2.593
n-Pentane	0.921	0.343	2.334
2,2 Dimethylbutane	0.005	0.002	0.015
Cyclopentane	0.000	0.000	0.000
2,3 Dimethylbutane	0.083	0.035	0.251
2 Methylpentane	0.199	0.085	0.602
3 Methylpentane	0.120	0.050	0.363
n-Hexane	0.187	0.079	0.566
Methylcyclopentane	0.137	0.050	0.405
Benzene	0.090	0.026	0.247
Cyclohexane	0.006	0.002	0.018
2-Methylhexane	0.121	0.058	0.426
3-Methylhexane	0.032	0.015	0.113
2,2,4 Trimethylpentane	0.017	0.009	0.068
Other C7's	0.063	0.028	0.220
n-Heptane	0.038	0.018	0.134
Methylcyclohexane	0.070	0.029	0.241
Toluene	0.052	0.018	0.168
Other C8's	0.037	0.018	0.143
n-Octane	0.008	0.004	0.032
Ethylbenzene	0.005	0.002	0.019
M & P Xylenes	0.006	0.002	0.022
O-Xylene	0.002	0.001	0.007
Other C9's	0.016	0.008	0.071
n-Nonane	0.003	0.002	0.014
Other C10's	0.000	0.000	0.000
n-Decane	0.000	0.000	0.000
Undecanes (11)	0.000	0.000	0.000
Totals	100.000	12.570	100.000

Computed Real Characteristics of Total Sample		
Specific Gravity	0.989	(Air=1)
Compressibility (Z)	0.9933	
Molecular Weight	28.46	
Gross Heating Value		
Dry Basis	1614	BTU/CF
Saturated Basis	1587	BTU/CF

April 02, 2025

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

Sample: Eagle CTB
Tank Vapors
Spot Gas Sample @ <1 psig & 57 °F

Date Sampled: 03/20/2025 Job Number: 251788.031

GLYCALC FORMAT

COMPONENT	MOL%	GPM	Wt %
Carbon Dioxide	1.918		2.965
Hydrogen Sulfide	0.200		0.239
Nitrogen	3.401		3.347
Methane	51.716		29.151
Ethane	18.423	5.059	19.462
Propane	14.872	4.207	23.039
Isobutane	1.673	0.562	3.416
n-Butane	4.556	1.476	9.309
Isopentane	1.023	0.384	2.593
n-Pentane	0.921	0.343	2.334
Cyclopentane	0.000	0.000	0.000
n-Hexane	0.187	0.079	0.566
Cyclohexane	0.006	0.002	0.018
Other C6's	0.407	0.172	1.231
Heptanes	0.391	0.169	1.298
Methylcyclohexane	0.070	0.029	0.241
2,2,4 Trimethylpentane	0.017	0.009	0.068
Benzene	0.090	0.026	0.247
Toluene	0.052	0.018	0.168
Ethylbenzene	0.005	0.002	0.019
Xylenes	0.008	0.003	0.029
Octanes Plus	0.064	0.032	0.260
Totals	100.000	12.570	100.000

Real Characteristics Of Octanes Plus:

Specific Gravity	4.017	(Air=1)
Molecular Weight	115.57	
Gross Heating Value	6048	BTU/CF

Real Characteristics Of Total Sample:

Specific Gravity	0.989	(Air=1)
Compressibility (Z)	0.9933	
Molecular Weight	28.46	
Gross Heating Value		
Dry Basis	1614	BTU/CF
Saturated Basis	1587	BTU/CF

April 02, 2025

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

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

Sample: Eagle CTB
MRU Inlet
Spot Gas Sample @ 72 psig & 64 °F

Date Sampled: 03/20/2025 Job Number: 251788.011

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286

COMPONENT	MOL%	GPM
Hydrogen Sulfide*	< 0.001	
Nitrogen	4.531	
Carbon Dioxide	1.783	
Methane	65.090	
Ethane	14.515	3.977
Propane	8.598	2.427
Isobutane	0.913	0.306
n-Butane	2.489	0.804
2-2 Dimethylpropane	0.005	0.002
Isopentane	0.585	0.219
n-Pentane	0.542	0.201
Hexanes	0.369	0.156
Heptanes Plus	0.580	0.228
Totals	100.000	8.320

Computed Real Characteristics Of Heptanes Plus:

Specific Gravity	3.247	(Air=1)
Molecular Weight	93.60	
Gross Heating Value	4994	BTU/CF

Computed Real Characteristics Of Total Sample:

Specific Gravity	0.843	(Air=1)
Compressibility (Z)	0.9954	
Molecular Weight	24.31	
Gross Heating Value		
Dry Basis	1369	BTU/CF
Saturated Basis	1346	BTU/CF

*Hydrogen Sulfide tested on location by: Stain Tube Method (GPA 2377)
Results: 0.252 Gr/100 CF, 4.0 PPMV or 0.0004 Mol%

Base Conditions: 15.025 PSI & 60 Deg F

Sampled By: (14) Stetson G.
Analyst: EP
Processor: HH
Cylinder ID: T-2947

Certified: FESCO, Ltd. - Alice, Texas

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Conan Pierce 361-661-7015

FESCO, Ltd. Job Number: 251788.011

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286
TOTAL REPORT

COMPONENT	MOL %	GPM	WT %
Hydrogen Sulfide*	< 0.001		< 0.001
Nitrogen	4.531		5.222
Carbon Dioxide	1.783		3.228
Methane	65.090		42.958
Ethane	14.515	3.977	17.956
Propane	8.598	2.427	15.598
Isobutane	0.913	0.306	2.183
n-Butane	2.489	0.804	5.952
2,2 Dimethylpropane	0.005	0.002	0.015
Isopentane	0.585	0.219	1.736
n-Pentane	0.542	0.201	1.609
2,2 Dimethylbutane	0.003	0.001	0.011
Cyclopentane	0.000	0.000	0.000
2,3 Dimethylbutane	0.053	0.022	0.188
2 Methylpentane	0.116	0.049	0.411
3 Methylpentane	0.073	0.031	0.259
n-Hexane	0.124	0.052	0.440
Methylcyclopentane	0.085	0.031	0.294
Benzene	0.067	0.019	0.215
Cyclohexane	0.109	0.038	0.377
2-Methylhexane	0.014	0.007	0.058
3-Methylhexane	0.020	0.009	0.082
2,2,4 Trimethylpentane	0.013	0.007	0.061
Other C7's	0.038	0.017	0.155
n-Heptane	0.033	0.016	0.136
Methylcyclohexane	0.060	0.025	0.242
Toluene	0.053	0.018	0.201
Other C8's	0.045	0.021	0.204
n-Octane	0.008	0.004	0.038
Ethylbenzene	0.010	0.004	0.044
M & P Xylenes	0.005	0.002	0.022
O-Xylene	0.002	0.001	0.009
Other C9's	0.014	0.007	0.073
n-Nonane	0.002	0.001	0.011
Other C10's	0.002	0.001	0.012
n-Decane	0.000	0.000	0.000
Undecanes (11)	0.000	0.000	0.000
Totals	100.000	8.320	100.000

Computed Real Characteristics of Total Sample		
Specific Gravity	0.843	(Air=1)
Compressibility (Z)	0.9954	
Molecular Weight	24.31	
Gross Heating Value		
Dry Basis	1369	BTU/CF
Saturated Basis	1346	BTU/CF

April 02, 2025

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

Sample: Eagle CTB
MRU Inlet
Spot Gas Sample @ 72 psig & 64 °F

Date Sampled: 03/20/2025 Job Number: 251788.011

GLYCALC FORMAT

COMPONENT	MOL%	GPM	Wt %
Carbon Dioxide	1.783		3.228
Hydrogen Sulfide	< 0.001		< 0.001
Nitrogen	4.531		5.222
Methane	65.090		42.958
Ethane	14.515	3.977	17.956
Propane	8.598	2.427	15.598
Isobutane	0.913	0.306	2.183
n-Butane	2.494	0.806	5.967
Isopentane	0.585	0.219	1.736
n-Pentane	0.542	0.201	1.609
Cyclopentane	0.000	0.000	0.000
n-Hexane	0.124	0.052	0.440
Cyclohexane	0.109	0.038	0.377
Other C6's	0.245	0.103	0.869
Heptanes	0.190	0.079	0.725
Methylcyclohexane	0.060	0.025	0.242
2,2,4 Trimethylpentane	0.013	0.007	0.061
Benzene	0.067	0.019	0.215
Toluene	0.053	0.018	0.201
Ethylbenzene	0.010	0.004	0.044
Xylenes	0.007	0.003	0.031
Octanes Plus	0.071	0.035	0.338
Totals	100.000	8.320	100.000

Real Characteristics Of Octanes Plus:

Specific Gravity	3.996	(Air=1)
Molecular Weight	115.21	
Gross Heating Value	6004	BTU/CF

Real Characteristics Of Total Sample:

Specific Gravity	0.843	(Air=1)
Compressibility (Z)	0.9954	
Molecular Weight	24.31	
Gross Heating Value		
Dry Basis	1369	BTU/CF
Saturated Basis	1346	BTU/CF

April 14, 2025

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

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

Sample: Eagle CTB
MRU Outlet
Spot Gas Sample @ 380 psig & 99 °F

Date Sampled: 03/20/2025 Job Number: 251788.051

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286

COMPONENT	MOL%	GPM
Hydrogen Sulfide*	< 0.001	
Nitrogen	4.481	
Carbon Dioxide	1.804	
Methane	66.601	
Ethane	14.532	3.980
Propane	8.214	2.318
Isobutane	0.812	0.272
n-Butane	2.132	0.688
2-2 Dimethylpropane	0.003	0.001
Isopentane	0.430	0.161
n-Pentane	0.387	0.144
Hexanes	0.257	0.108
Heptanes Plus	0.347	0.135
Totals	100.000	7.808

Computed Real Characteristics Of Heptanes Plus:

Specific Gravity	3.208	(Air=1)
Molecular Weight	92.51	
Gross Heating Value	4948	BTU/CF

Computed Real Characteristics Of Total Sample:

Specific Gravity	0.817	(Air=1)
Compressibility (Z)	0.9957	
Molecular Weight	23.57	
Gross Heating Value		
Dry Basis	1329	BTU/CF
Saturated Basis	1307	BTU/CF

*Hydrogen Sulfide tested on location by: Stain Tube Method (GPA 2377)
Results: 0.283 Gr/100 CF, 4.5 PPMV or 0.0005 Mol%

Base Conditions: 15.025 PSI & 60 Deg F

Sampled By: (16) Dennis F.
Analyst: LG
Processor: KV
Cylinder ID: T-1933

Certified: FESCO, Ltd. - Alice, Texas

Conan Pierce 361-661-7015

FESCO, Ltd. Job Number: 251788.051

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286
TOTAL REPORT

COMPONENT	MOL %	GPM	WT %
Hydrogen Sulfide*	< 0.001		< 0.001
Nitrogen	4.481		5.326
Carbon Dioxide	1.804		3.368
Methane	66.601		45.330
Ethane	14.532	3.980	18.539
Propane	8.214	2.318	15.367
Isobutane	0.812	0.272	2.002
n-Butane	2.132	0.688	5.257
2,2 Dimethylpropane	0.003	0.001	0.009
Isopentane	0.430	0.161	1.316
n-Pentane	0.387	0.144	1.185
2,2 Dimethylbutane	0.002	0.001	0.007
Cyclopentane	0.000	0.000	0.000
2,3 Dimethylbutane	0.039	0.016	0.143
2 Methylpentane	0.080	0.034	0.292
3 Methylpentane	0.051	0.021	0.186
n-Hexane	0.085	0.036	0.311
Methylcyclopentane	0.056	0.020	0.200
Benzene	0.044	0.013	0.146
Cyclohexane	0.070	0.024	0.250
2-Methylhexane	0.009	0.004	0.038
3-Methylhexane	0.012	0.006	0.051
2,2,4 Trimethylpentane	0.008	0.004	0.039
Other C7's	0.025	0.011	0.105
n-Heptane	0.020	0.009	0.085
Methylcyclohexane	0.034	0.014	0.142
Toluene	0.028	0.010	0.109
Other C8's	0.022	0.010	0.103
n-Octane	0.005	0.003	0.024
Ethylbenzene	0.004	0.002	0.018
M & P Xylenes	0.002	0.001	0.009
O-Xylene	0.001	0.000	0.005
Other C9's	0.005	0.003	0.027
n-Nonane	0.001	0.001	0.005
Other C10's	0.001	0.001	0.006
n-Decane	0.000	0.000	0.000
Undecanes (11)	0.000	0.000	0.000
Totals	100.000	7.808	100.000

Computed Real Characteristics of Total Sample		
Specific Gravity	0.817	(Air=1)
Compressibility (Z)	0.9957	
Molecular Weight	23.57	
Gross Heating Value		
Dry Basis	1329	BTU/CF
Saturated Basis	1307	BTU/CF

April 14, 2025

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

Sample: Eagle CTB
MRU Outlet
Spot Gas Sample @ 380 psig & 99 °F

Date Sampled: 03/20/2025 Job Number: 251788.051

GLYCALC FORMAT

COMPONENT	MOL%	GPM	Wt %
Carbon Dioxide	1.804		3.368
Hydrogen Sulfide	< 0.001		< 0.001
Nitrogen	4.481		5.326
Methane	66.601		45.330
Ethane	14.532	3.980	18.539
Propane	8.214	2.318	15.367
Isobutane	0.812	0.272	2.002
n-Butane	2.135	0.690	5.266
Isopentane	0.430	0.161	1.316
n-Pentane	0.387	0.144	1.185
Cyclopentane	0.000	0.000	0.000
n-Hexane	0.085	0.036	0.311
Cyclohexane	0.070	0.024	0.250
Other C6's	0.172	0.073	0.628
Heptanes	0.122	0.051	0.479
Methylcyclohexane	0.034	0.014	0.142
2,2,4 Trimethylpentane	0.008	0.004	0.039
Benzene	0.044	0.013	0.146
Toluene	0.028	0.010	0.109
Ethylbenzene	0.004	0.002	0.018
Xylenes	0.003	0.001	0.014
Octanes Plus	0.034	0.017	0.165
Totals	100.000	7.808	100.000

Real Characteristics Of Octanes Plus:

Specific Gravity	3.974	(Air=1)
Molecular Weight	114.61	
Gross Heating Value	5977	BTU/CF

Real Characteristics Of Total Sample:

Specific Gravity	0.817	(Air=1)
Compressibility (Z)	0.9957	
Molecular Weight	23.57	
Gross Heating Value		
Dry Basis	1329	BTU/CF
Saturated Basis	1307	BTU/CF

April 14, 2025

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

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

Sample: Eagle CTB
Valkyrie Flash Up/BPV
Spot Gas Sample @ 10 psig & 57 °F

Date Sampled: 03/20/2025 Job Number: 251788.041

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286

COMPONENT	MOL%	GPM
Hydrogen Sulfide*	< 0.001	
Nitrogen	2.859	
Carbon Dioxide	6.349	
Methane	61.150	
Ethane	15.391	4.220
Propane	7.742	2.187
Isobutane	0.621	0.208
n-Butane	2.180	0.705
2-2 Dimethylpropane	0.002	0.001
Isopentane	0.563	0.211
n-Pentane	0.614	0.228
Hexanes	0.736	0.311
Heptanes Plus	1.793	0.708
Totals	100.000	8.779

Computed Real Characteristics Of Heptanes Plus:

Specific Gravity	3.251	(Air=1)
Molecular Weight	93.64	
Gross Heating Value	4999	BTU/CF

Computed Real Characteristics Of Total Sample:

Specific Gravity	0.911	(Air=1)
Compressibility (Z)	0.9947	
Molecular Weight	26.24	
Gross Heating Value		
Dry Basis	1383	BTU/CF
Saturated Basis	1360	BTU/CF

*Hydrogen Sulfide tested on location by: Stain Tube Method (GPA 2377)
Results: 0.189 Gr/100 CF, 3.0 PPMV or 0.0003 Mol%

Base Conditions: 15.025 PSI & 60 Deg F

Sampled By: (16) Dennis F.
Analyst: EP
Processor: KV
Cylinder ID: T-5924

Certified: FESCO, Ltd. - Alice, Texas

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Conan Pierce 361-661-7015

FESCO, Ltd. Job Number: 251788.041

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286
TOTAL REPORT

COMPONENT	MOL %	GPM	WT %
Hydrogen Sulfide*	< 0.001		< 0.001
Nitrogen	2.859		3.052
Carbon Dioxide	6.349		10.649
Methane	61.150		37.387
Ethane	15.391	4.220	17.638
Propane	7.742	2.187	13.011
Isobutane	0.621	0.208	1.376
n-Butane	2.180	0.705	4.829
2,2 Dimethylpropane	0.002	0.001	0.005
Isopentane	0.563	0.211	1.548
n-Pentane	0.614	0.228	1.688
2,2 Dimethylbutane	0.004	0.002	0.013
Cyclopentane	0.000	0.000	0.000
2,3 Dimethylbutane	0.125	0.053	0.411
2 Methylpentane	0.198	0.084	0.650
3 Methylpentane	0.143	0.060	0.470
n-Hexane	0.266	0.112	0.874
Methylcyclopentane	0.237	0.086	0.760
Benzene	0.227	0.065	0.676
Cyclohexane	0.340	0.119	1.091
2-Methylhexane	0.042	0.020	0.160
3-Methylhexane	0.062	0.029	0.237
2,2,4 Trimethylpentane	0.040	0.021	0.174
Other C7's	0.113	0.050	0.427
n-Heptane	0.110	0.052	0.420
Methylcyclohexane	0.205	0.084	0.767
Toluene	0.150	0.052	0.527
Other C8's	0.147	0.070	0.617
n-Octane	0.033	0.017	0.144
Ethylbenzene	0.020	0.008	0.081
M & P Xylenes	0.010	0.004	0.040
O-Xylene	0.001	0.000	0.004
Other C9's	0.047	0.024	0.226
n-Nonane	0.003	0.002	0.015
Other C10's	0.005	0.003	0.027
n-Decane	0.000	0.000	0.000
Undecanes (11)	0.001	0.001	0.006
Totals	100.000	8.779	100.000

Computed Real Characteristics of Total Sample		
Specific Gravity	0.911	(Air=1)
Compressibility (Z)	0.9947	
Molecular Weight	26.24	
Gross Heating Value		
Dry Basis	1383	BTU/CF
Saturated Basis	1360	BTU/CF

April 14, 2025

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

Sample: Eagle CTB
Valkyrie Flash Up/BPV
Spot Gas Sample @ 10 psig & 57 °F

Date Sampled: 03/20/2025 Job Number: 251788.041

GLYCALC FORMAT

COMPONENT	MOL%	GPM	Wt %
Carbon Dioxide	6.349		10.649
Hydrogen Sulfide	< 0.001		< 0.001
Nitrogen	2.859		3.052
Methane	61.150		37.387
Ethane	15.391	4.220	17.638
Propane	7.742	2.187	13.011
Isobutane	0.621	0.208	1.376
n-Butane	2.182	0.705	4.834
Isopentane	0.563	0.211	1.548
n-Pentane	0.614	0.228	1.688
Cyclopentane	0.000	0.000	0.000
n-Hexane	0.266	0.112	0.874
Cyclohexane	0.340	0.119	1.091
Other C6's	0.470	0.198	1.544
Heptanes	0.564	0.238	2.004
Methylcyclohexane	0.205	0.084	0.767
2,2,4 Trimethylpentane	0.040	0.021	0.174
Benzene	0.227	0.065	0.676
Toluene	0.150	0.052	0.527
Ethylbenzene	0.020	0.008	0.081
Xylenes	0.011	0.004	0.044
Octanes Plus	0.236	0.117	1.035
Totals	100.000	8.779	100.000

Real Characteristics Of Octanes Plus:

Specific Gravity	3.994	(Air=1)
Molecular Weight	115.05	
Gross Heating Value	6003	BTU/CF

Real Characteristics Of Total Sample:

Specific Gravity	0.911	(Air=1)
Compressibility (Z)	0.9947	
Molecular Weight	26.24	
Gross Heating Value		
Dry Basis	1383	BTU/CF
Saturated Basis	1360	BTU/CF

April 02, 2025

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

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

Sample: Eagle CTB
Valkyrie Flash Down/BPV
Spot Gas Sample @ <1 psig & 51 °F

Date Sampled: 03/20/2025 Job Number: 251788.021

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286

COMPONENT	MOL%	GPM
Hydrogen Sulfide*	< 0.001	
Nitrogen	2.967	
Carbon Dioxide	6.669	
Methane	61.592	
Ethane	15.468	4.240
Propane	7.723	2.181
Isobutane	0.622	0.209
n-Butane	2.135	0.690
2-2 Dimethylpropane	0.006	0.002
Isopentane	0.539	0.202
n-Pentane	0.582	0.216
Hexanes	0.590	0.249
Heptanes Plus	1.107	0.457
Totals	100.000	8.446

Computed Real Characteristics Of Heptanes Plus:

Specific Gravity	3.313	(Air=1)
Molecular Weight	95.48	
Gross Heating Value	5123	BTU/CF

Computed Real Characteristics Of Total Sample:

Specific Gravity	0.891	(Air=1)
Compressibility (Z)	0.9950	
Molecular Weight	25.68	
Gross Heating Value		
Dry Basis	1345	BTU/CF
Saturated Basis	1322	BTU/CF

*Hydrogen Sulfide tested on location by: Stain Tube Method (GPA 2377)
Results: 0.314 Gr/100 CF, 5.0 PPMV or 0.000 Mol %

Base Conditions: 15.025 PSI & 60 Deg F

Sampled By: (16) Dennis F.
Analyst: EP
Processor: HH
Cylinder ID: T-3883

Certified: FESCO, Ltd. - Alice, Texas

Conan Pierce 361-661-7015

FESCO, Ltd. Job Number: 251788.021

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286
TOTAL REPORT

COMPONENT	MOL %	GPM	WT %
Hydrogen Sulfide*	< 0.001		< 0.001
Nitrogen	2.967		3.236
Carbon Dioxide	6.669		11.427
Methane	61.592		38.471
Ethane	15.468	4.240	18.108
Propane	7.723	2.181	13.259
Isobutane	0.622	0.209	1.408
n-Butane	2.135	0.690	4.831
2,2 Dimethylpropane	0.006	0.002	0.017
Isopentane	0.539	0.202	1.514
n-Pentane	0.582	0.216	1.635
2,2 Dimethylbutane	0.007	0.003	0.023
Cyclopentane	0.001	0.000	0.003
2,3 Dimethylbutane	0.086	0.036	0.289
2 Methylpentane	0.177	0.075	0.594
3 Methylpentane	0.115	0.048	0.386
n-Hexane	0.204	0.086	0.684
Methylcyclopentane	0.179	0.065	0.587
Benzene	0.147	0.042	0.447
Cyclohexane	0.009	0.003	0.029
2-Methylhexane	0.193	0.092	0.753
3-Methylhexane	0.051	0.024	0.199
2,2,4 Trimethylpentane	0.027	0.014	0.120
Other C7's	0.088	0.039	0.340
n-Heptane	0.069	0.033	0.269
Methylcyclohexane	0.130	0.054	0.497
Toluene	0.079	0.027	0.283
Other C8's	0.096	0.046	0.412
n-Octane	0.002	0.001	0.009
Ethylbenzene	0.009	0.004	0.037
M & P Xylenes	0.006	0.002	0.025
O-Xylene	0.002	0.001	0.008
Other C9's	0.015	0.008	0.074
n-Nonane	0.003	0.002	0.015
Other C10's	0.002	0.001	0.011
n-Decane	0.000	0.000	0.000
Undecanes (11)	0.000	0.000	0.000
Totals	100.000	8.446	100.000

Computed Real Characteristics of Total Sample

Specific Gravity	0.891	(Air=1)
Compressibility (Z)	0.9950	
Molecular Weight	25.68	

Gross Heating Value

Dry Basis	1345	BTU/CF
Saturated Basis	1322	BTU/CF

April 02, 2025

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

Sample: Eagle CTB
Valkyrie Flash Down/BPV
Spot Gas Sample @ <1 psig & 51 °F

Date Sampled: 03/20/2025 Job Number: 251788.021

GLYCALC FORMAT

COMPONENT	MOL%	GPM	Wt %
Carbon Dioxide	6.669		11.427
Hydrogen Sulfide	< 0.001		< 0.001
Nitrogen	2.967		3.236
Methane	61.592		38.471
Ethane	15.468	4.240	18.108
Propane	7.723	2.181	13.259
Isobutane	0.622	0.209	1.408
n-Butane	2.141	0.692	4.848
Isopentane	0.539	0.202	1.514
n-Pentane	0.582	0.216	1.635
Cyclopentane	0.001	0.000	0.003
n-Hexane	0.204	0.086	0.684
Cyclohexane	0.009	0.003	0.029
Other C6's	0.385	0.163	1.292
Heptanes	0.580	0.253	2.148
Methylcyclohexane	0.130	0.054	0.497
2,2,4 Trimethylpentane	0.027	0.014	0.120
Benzene	0.147	0.042	0.447
Toluene	0.079	0.027	0.283
Ethylbenzene	0.009	0.004	0.037
Xylenes	0.008	0.003	0.033
Octanes Plus	0.118	0.058	0.521
Totals	100.000	8.446	100.000

Real Characteristics Of Octanes Plus:

Specific Gravity	3.932	(Air=1)
Molecular Weight	113.31	
Gross Heating Value	5815	BTU/CF

Real Characteristics Of Total Sample:

Specific Gravity	0.891	(Air=1)
Compressibility (Z)	0.9950	
Molecular Weight	25.68	
Gross Heating Value		
Dry Basis	1345	BTU/CF
Saturated Basis	1322	BTU/CF

April 14, 2025

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

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

Sample: Eagle CTB
Valkrie Inlet
Spot Gas Sample @ 75 psig & 68 °F

Date Sampled: 03/20/2025 Job Number: 251788.061

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286

COMPONENT	MOL%	GPM
Hydrogen Sulfide*	0.350	
Nitrogen	4.368	
Carbon Dioxide	2.065	
Methane	65.076	
Ethane	14.075	3.856
Propane	8.669	2.447
Isobutane	0.899	0.301
n-Butane	2.446	0.790
2-2 Dimethylpropane	0.005	0.002
Isopentane	0.564	0.211
n-Pentane	0.534	0.198
Hexanes	0.395	0.167
Heptanes Plus	0.554	0.215
Totals	100.000	8.188

Computed Real Characteristics Of Heptanes Plus:

Specific Gravity	3.205	(Air=1)
Molecular Weight	92.40	
Gross Heating Value	4936	BTU/CF

Computed Real Characteristics Of Total Sample:

Specific Gravity	0.844	(Air=1)
Compressibility (Z)	0.9954	
Molecular Weight	24.34	
Gross Heating Value		
Dry Basis	1361	BTU/CF
Saturated Basis	1338	BTU/CF

*Hydrogen Sulfide tested on location by: Stain Tube Method (GPA 2377)
Results: 220.1 Gr/100 CF, 3500 PPMV or 0.350 Mol %

Base Conditions: 15.025 PSI & 60 Deg F

Sampled By: (16) Dennis F.
Analyst: EP
Processor: KV
Cylinder ID: T-5050

Certified: FESCO, Ltd. - Alice, Texas

Conan Pierce 361-661-7015

FESCO, Ltd. Job Number: 251788.061

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286
TOTAL REPORT

COMPONENT	MOL %	GPM	WT %
Hydrogen Sulfide*	0.350		0.490
Nitrogen	4.368		5.028
Carbon Dioxide	2.065		3.734
Methane	65.076		42.894
Ethane	14.075	3.856	17.389
Propane	8.669	2.447	15.706
Isobutane	0.899	0.301	2.147
n-Butane	2.446	0.790	5.841
2,2 Dimethylpropane	0.005	0.002	0.015
Isopentane	0.564	0.211	1.672
n-Pentane	0.534	0.198	1.583
2,2 Dimethylbutane	0.003	0.001	0.011
Cyclopentane	0.000	0.000	0.000
2,3 Dimethylbutane	0.057	0.024	0.202
2 Methylpentane	0.124	0.053	0.439
3 Methylpentane	0.079	0.033	0.280
n-Hexane	0.132	0.056	0.467
Methylcyclopentane	0.088	0.032	0.304
Benzene	0.075	0.022	0.241
Cyclohexane	0.111	0.039	0.384
2-Methylhexane	0.015	0.007	0.062
3-Methylhexane	0.020	0.009	0.082
2,2,4 Trimethylpentane	0.012	0.006	0.056
Other C7's	0.038	0.017	0.155
n-Heptane	0.031	0.015	0.128
Methylcyclohexane	0.053	0.022	0.214
Toluene	0.047	0.016	0.178
Other C8's	0.033	0.016	0.149
n-Octane	0.007	0.004	0.033
Ethylbenzene	0.006	0.002	0.026
M & P Xylenes	0.004	0.002	0.017
O-Xylene	0.001	0.000	0.004
Other C9's	0.009	0.005	0.047
n-Nonane	0.001	0.001	0.005
Other C10's	0.003	0.002	0.017
n-Decane	0.000	0.000	0.000
Undecanes (11)	0.000	0.000	0.000
Totals	100.000	8.188	100.000

Computed Real Characteristics of Total Sample		
Specific Gravity	0.844	(Air=1)
Compressibility (Z)	0.9954	
Molecular Weight	24.34	
Gross Heating Value		
Dry Basis	1361	BTU/CF
Saturated Basis	1338	BTU/CF

April 14, 2025

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

Sample: Eagle CTB
Valkrie Inlet
Spot Gas Sample @ 75 psig & 68 °F

Date Sampled: 03/20/2025 Job Number: 251788.061

GLYCALC FORMAT

COMPONENT	MOL%	GPM	Wt %
Carbon Dioxide	2.065		3.734
Hydrogen Sulfide	0.350		0.490
Nitrogen	4.368		5.028
Methane	65.076		42.894
Ethane	14.075	3.856	17.389
Propane	8.669	2.447	15.706
Isobutane	0.899	0.301	2.147
n-Butane	2.451	0.792	5.856
Isopentane	0.564	0.211	1.672
n-Pentane	0.534	0.198	1.583
Cyclopentane	0.000	0.000	0.000
n-Hexane	0.132	0.056	0.467
Cyclohexane	0.111	0.039	0.384
Other C6's	0.263	0.111	0.932
Heptanes	0.192	0.080	0.731
Methylcyclohexane	0.053	0.022	0.214
2,2,4 Trimethylpentane	0.012	0.006	0.056
Benzene	0.075	0.022	0.241
Toluene	0.047	0.016	0.178
Ethylbenzene	0.006	0.002	0.026
Xylenes	0.005	0.002	0.021
Octanes Plus	0.053	0.026	0.251
Totals	100.000	8.188	100.000

Real Characteristics Of Octanes Plus:

Specific Gravity	4.009	(Air=1)
Molecular Weight	115.57	
Gross Heating Value	6031	BTU/CF

Real Characteristics Of Total Sample:

Specific Gravity	0.844	(Air=1)
Compressibility (Z)	0.9954	
Molecular Weight	24.34	
Gross Heating Value		
Dry Basis	1361	BTU/CF
Saturated Basis	1338	BTU/CF

April 14, 2025

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

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

Sample: Eagle CTB
Valkrie Outlet
Spot Gas Sample @ 60 psig & 54 °F

Date Sampled: 03/20/2025 Job Number: 251788.071

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286

COMPONENT	MOL%	GPM
Hydrogen Sulfide*	< 0.001	
Nitrogen	4.533	
Carbon Dioxide	1.821	
Methane	65.500	
Ethane	14.020	3.841
Propane	8.612	2.431
Isobutane	0.902	0.302
n-Butane	2.445	0.790
2-2 Dimethylpropane	0.004	0.002
Isopentane	0.579	0.217
n-Pentane	0.537	0.199
Hexanes	0.396	0.167
Heptanes Plus	0.651	0.259
Totals	100.000	8.208

Computed Real Characteristics Of Heptanes Plus:

Specific Gravity	3.270	(Air=1)
Molecular Weight	94.29	
Gross Heating Value	5034	BTU/CF

Computed Real Characteristics Of Total Sample:

Specific Gravity	0.843	(Air=1)
Compressibility (Z)	0.9954	
Molecular Weight	24.30	
Gross Heating Value		
Dry Basis	1367	BTU/CF
Saturated Basis	1344	BTU/CF

*Hydrogen Sulfide tested on location by: Stain Tube Method (GPA 2377)
Results: 0.252 Gr/100 CF, 4.0 PPMV or 0.0004 Mol%

Base Conditions: 15.025 PSI & 60 Deg F

Sampled By: (16) Dennis F.
Analyst: EP
Processor: KV
Cylinder ID: T-3116

Certified: FESCO, Ltd. - Alice, Texas

_____
Conan Pierce 361-661-7015

FESCO, Ltd. Job Number: 251788.071

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286
TOTAL REPORT

COMPONENT	MOL %	GPM	WT %
Hydrogen Sulfide*	< 0.001		< 0.001
Nitrogen	4.533		5.226
Carbon Dioxide	1.821		3.298
Methane	65.500		43.238
Ethane	14.020	3.841	17.348
Propane	8.612	2.431	15.627
Isobutane	0.902	0.302	2.157
n-Butane	2.445	0.790	5.848
2,2 Dimethylpropane	0.004	0.002	0.012
Isopentane	0.579	0.217	1.719
n-Pentane	0.537	0.199	1.594
2,2 Dimethylbutane	0.003	0.001	0.011
Cyclopentane	0.000	0.000	0.000
2,3 Dimethylbutane	0.056	0.024	0.199
2 Methylpentane	0.122	0.052	0.433
3 Methylpentane	0.080	0.033	0.284
n-Hexane	0.135	0.057	0.479
Methylcyclopentane	0.093	0.034	0.322
Benzene	0.072	0.021	0.231
Cyclohexane	0.120	0.042	0.416
2-Methylhexane	0.016	0.008	0.066
3-Methylhexane	0.023	0.011	0.095
2,2,4 Trimethylpentane	0.014	0.007	0.066
Other C7's	0.043	0.019	0.176
n-Heptane	0.038	0.018	0.157
Methylcyclohexane	0.068	0.028	0.275
Toluene	0.060	0.021	0.227
Other C8's	0.052	0.025	0.236
n-Octane	0.009	0.005	0.042
Ethylbenzene	0.011	0.004	0.048
M & P Xylenes	0.006	0.002	0.026
O-Xylene	0.002	0.001	0.009
Other C9's	0.016	0.008	0.083
n-Nonane	0.002	0.001	0.011
Other C10's	0.002	0.001	0.012
n-Decane	0.000	0.000	0.000
Undecanes (11)	0.004	0.003	0.029
Totals	100.000	8.208	100.000

Computed Real Characteristics of Total Sample		
Specific Gravity	0.843	(Air=1)
Compressibility (Z)	0.9954	
Molecular Weight	24.30	
Gross Heating Value		
Dry Basis	1367	BTU/CF
Saturated Basis	1344	BTU/CF

April 14, 2025

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

Sample: Eagle CTB
Valkrie Outlet
Spot Gas Sample @ 60 psig & 54 °F

Date Sampled: 03/20/2025 Job Number: 251788.071

GLYCALC FORMAT

COMPONENT	MOL%	GPM	Wt %
Carbon Dioxide	1.821		3.298
Hydrogen Sulfide	< 0.001		< 0.001
Nitrogen	4.533		5.226
Methane	65.500		43.238
Ethane	14.020	3.841	17.348
Propane	8.612	2.431	15.627
Isobutane	0.902	0.302	2.157
n-Butane	2.449	0.791	5.860
Isopentane	0.579	0.217	1.719
n-Pentane	0.537	0.199	1.594
Cyclopentane	0.000	0.000	0.000
n-Hexane	0.135	0.057	0.479
Cyclohexane	0.120	0.042	0.416
Other C6's	0.261	0.110	0.927
Heptanes	0.213	0.089	0.816
Methylcyclohexane	0.068	0.028	0.275
2,2,4 Trimethylpentane	0.014	0.007	0.066
Benzene	0.072	0.021	0.231
Toluene	0.060	0.021	0.227
Ethylbenzene	0.011	0.004	0.048
Xylenes	0.008	0.003	0.035
Octanes Plus	0.085	0.043	0.413
Totals	100.000	8.208	100.000

Real Characteristics Of Octanes Plus:

Specific Gravity	4.092	(Air=1)
Molecular Weight	117.97	
Gross Heating Value	6171	BTU/CF

Real Characteristics Of Total Sample:

Specific Gravity	0.843	(Air=1)
Compressibility (Z)	0.9954	
Molecular Weight	24.30	
Gross Heating Value		
Dry Basis	1367	BTU/CF
Saturated Basis	1344	BTU/CF

April 02, 2025

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

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

Sample: Eagle CTB
Well No. 701H First Stage Separator
Spot Gas Sample @ 106 psig & 74 °F

Date Sampled: 03/20/2025 Job Number: 251788.001

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286

COMPONENT	MOL%	GPM
Hydrogen Sulfide*	0.001	
Nitrogen	6.461	
Carbon Dioxide	0.503	
Methane	63.895	
Ethane	15.649	4.286
Propane	9.329	2.632
Isobutane	0.752	0.252
n-Butane	2.104	0.679
2-2 Dimethylpropane	0.006	0.002
Isopentane	0.394	0.148
n-Pentane	0.354	0.131
Hexanes	0.220	0.093
Heptanes Plus	0.332	0.136
Totals	100.000	8.360

Computed Real Characteristics Of Heptanes Plus:

Specific Gravity	3.313	(Air=1)
Molecular Weight	95.56	
Gross Heating Value	5134	BTU/CF

Computed Real Characteristics Of Total Sample:

Specific Gravity	0.826	(Air=1)
Compressibility (Z)	0.9957	
Molecular Weight	23.81	
Gross Heating Value		
Dry Basis	1343	BTU/CF
Saturated Basis	1320	BTU/CF

*Hydrogen Sulfide tested on location by: Stain Tube Method (GPA 2377)
Results: 0.629 Gr/100 CF, 10.0 PPMV or 0.001 Mol %

Base Conditions: 15.025 PSI & 60 Deg F

Sampled By: (16) Dennis F.
Analyst: EP
Processor: HH
Cylinder ID: T-5300

Certified: FESCO, Ltd. - Alice, Texas

Conan Pierce 361-661-7015

FESCO, Ltd. Job Number: 251788.001

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286
TOTAL REPORT

COMPONENT	MOL %	GPM	WT %
Hydrogen Sulfide*	0.001		0.001
Nitrogen	6.461		7.601
Carbon Dioxide	0.503		0.930
Methane	63.895		43.046
Ethane	15.649	4.286	19.761
Propane	9.329	2.632	17.276
Isobutane	0.752	0.252	1.836
n-Butane	2.104	0.679	5.136
2,2 Dimethylpropane	0.006	0.002	0.018
Isopentane	0.394	0.148	1.194
n-Pentane	0.354	0.131	1.073
2,2 Dimethylbutane	0.001	0.000	0.004
Cyclopentane	0.000	0.000	0.000
2,3 Dimethylbutane	0.036	0.015	0.130
2 Methylpentane	0.069	0.029	0.250
3 Methylpentane	0.044	0.018	0.159
n-Hexane	0.070	0.029	0.253
Methylcyclopentane	0.069	0.025	0.244
Benzene	0.028	0.008	0.092
Cyclohexane	0.041	0.014	0.145
2-Methylhexane	0.008	0.004	0.034
3-Methylhexane	0.012	0.006	0.050
2,2,4 Trimethylpentane	0.014	0.007	0.067
Other C7's	0.033	0.015	0.137
n-Heptane	0.019	0.009	0.080
Methylcyclohexane	0.030	0.012	0.124
Toluene	0.017	0.006	0.066
Other C8's	0.036	0.017	0.167
n-Octane	0.005	0.003	0.024
Ethylbenzene	0.003	0.001	0.013
M & P Xylenes	0.003	0.001	0.013
O-Xylene	0.001	0.000	0.004
Other C9's	0.008	0.004	0.042
n-Nonane	0.002	0.001	0.011
Other C10's	0.002	0.001	0.012
n-Decane	0.000	0.000	0.000
Undecanes (11)	0.001	0.001	0.007
Totals	100.000	8.360	100.000

Computed Real Characteristics of Total Sample		
Specific Gravity	0.826	(Air=1)
Compressibility (Z)	0.9957	
Molecular Weight	23.81	
Gross Heating Value		
Dry Basis	1343	BTU/CF
Saturated Basis	1320	BTU/CF

April 02, 2025

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

Sample: Eagle CTB
Well No. 701H First Stage Separator
Spot Gas Sample @ 106 psig & 74 °F

Date Sampled: 03/20/2025 Job Number: 251788.001

GLYCALC FORMAT

COMPONENT	MOL%	GPM	Wt %
Carbon Dioxide	0.503		0.930
Hydrogen Sulfide	0.001		0.001
Nitrogen	6.461		7.601
Methane	63.895		43.046
Ethane	15.649	4.286	19.761
Propane	9.329	2.632	17.276
Isobutane	0.752	0.252	1.836
n-Butane	2.110	0.682	5.154
Isopentane	0.394	0.148	1.194
n-Pentane	0.354	0.131	1.073
Cyclopentane	0.000	0.000	0.000
n-Hexane	0.070	0.029	0.253
Cyclohexane	0.041	0.014	0.145
Other C6's	0.150	0.063	0.543
Heptanes	0.141	0.058	0.545
Methylcyclohexane	0.030	0.012	0.124
2,2,4 Trimethylpentane	0.014	0.007	0.067
Benzene	0.028	0.008	0.092
Toluene	0.017	0.006	0.066
Ethylbenzene	0.003	0.001	0.013
Xylenes	0.004	0.002	0.017
Octanes Plus	0.054	0.027	0.263
Totals	100.000	8.360	100.000

Real Characteristics Of Octanes Plus:

Specific Gravity	4.010	(Air=1)
Molecular Weight	115.63	
Gross Heating Value	6019	BTU/CF

Real Characteristics Of Total Sample:

Specific Gravity	0.826	(Air=1)
Compressibility (Z)	0.9957	
Molecular Weight	23.81	
Gross Heating Value		
Dry Basis	1343	BTU/CF
Saturated Basis	1320	BTU/CF

April 15, 2025

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

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

Sample: Eagle CTB
Well No. 701H First Stage Separator Hydrocarbon Liquid
Sampled @ 106 psig & 74 °F

Date Sampled: 03/20/2025 Job Number: 251788.002

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2186-M

COMPONENT	MOL %	LIQ VOL %	WT %
Nitrogen	0.071	0.012	0.012
Carbon Dioxide	0.049	0.013	0.013
Methane	2.358	0.617	0.231
Ethane	3.760	1.552	0.689
Propane	7.676	3.265	2.064
Isobutane	1.425	0.720	0.505
n-Butane	5.991	2.916	2.123
2,2 Dimethylpropane	0.108	0.064	0.047
Isopentane	2.773	1.565	1.220
n-Pentane	3.510	1.964	1.544
2,2 Dimethylbutane	0.051	0.033	0.027
Cyclopentane	0.000	0.000	0.000
2,3 Dimethylbutane	0.096	0.061	0.051
2 Methylpentane	2.214	1.419	1.163
3 Methylpentane	1.133	0.714	0.595
n-Hexane	2.151	1.365	1.130
Heptanes Plus	66.635	83.720	88.587
Totals:	100.000	100.000	100.000

Characteristics of Heptanes Plus:

Specific Gravity	0.8490	(Water=1)
°API Gravity	35.16	@ 60°F
Molecular Weight	218.1	
Vapor Volume	12.05	CF/Gal
Weight	7.07	Lbs/Gal

Characteristics of Total Sample:

Specific Gravity	0.8024	(Water=1)
°API Gravity	44.85	@ 60°F
Molecular Weight	164.0	
Vapor Volume	15.14	CF/Gal
Weight	6.69	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-2943

Conan Pierce 361-661-7015

FESCO, Ltd. Job Number: 251788.002

TANKS DATA INPUT REPORT - GPA 2186-M

COMPONENT	Mol %	LiqVol %	Wt %
Carbon Dioxide	0.049	0.013	0.013
Nitrogen	0.071	0.012	0.012
Methane	2.358	0.617	0.231
Ethane	3.760	1.552	0.689
Propane	7.676	3.265	2.064
Isobutane	1.425	0.720	0.505
n-Butane	6.099	2.980	2.170
Isopentane	2.773	1.565	1.220
n-Pentane	3.510	1.964	1.544
Other C-6's	3.494	2.226	1.836
Heptanes	7.895	4.913	4.448
Octanes	8.381	5.872	5.467
Nonanes	4.506	3.701	3.481
Decanes Plus	40.793	66.307	72.157
Benzene	0.845	0.365	0.402
Toluene	1.641	0.848	0.922
E-Benzene	0.644	0.384	0.417
Xylenes	1.061	0.632	0.686
n-Hexane	2.151	1.365	1.130
2,2,4 Trimethylpentane	0.870	0.698	0.606
Totals:	100.000	100.000	100.000

Characteristics of Total Sample:

Specific Gravity ----------	0.8024	(Water=1)
°API Gravity ----------	44.85	@ 60°F
Molecular Weight----------	164.0	
Vapor Volume ----------	15.14	CF/Gal
Weight ----------	6.69	Lbs/Gal

Characteristics of Decanes (C10) Plus:

Specific Gravity ----------	0.8732	(Water=1)
Molecular Weight----------	290.1	

Characteristics of Atmospheric Sample:

°API Gravity ----------	40.05	@ 60°F
Reid Vapor Pressure Equivalent (D-6377)----------	11.43	psi

QUALITY CONTROL CHECK			
	Sampling Conditions	Test Samples	
Cylinder Number	------	W-2943	------
Pressure, PSIG	106	106	------
Probe Temperature, °F	74	74	------

* Sample used for analysis

FESCO, Ltd. Job Number: 251788.002

TOTAL EXTENDED REPORT - GPA 2186-M

COMPONENT	Mol %	LiqVol %	Wt %
Nitrogen	0.071	0.012	0.012
Carbon Dioxide	0.049	0.013	0.013
Methane	2.358	0.617	0.231
Ethane	3.760	1.552	0.689
Propane	7.676	3.265	2.064
Isobutane	1.425	0.720	0.505
n-Butane	5.991	2.916	2.123
2,2 Dimethylpropane	0.108	0.064	0.047
Isopentane	2.773	1.565	1.220
n-Pentane	3.510	1.964	1.544
2,2 Dimethylbutane	0.051	0.033	0.027
Cyclopentane	0.000	0.000	0.000
2,3 Dimethylbutane	0.096	0.061	0.051
2 Methylpentane	2.214	1.419	1.163
3 Methylpentane	1.133	0.714	0.595
n-Hexane	2.151	1.365	1.130
Methylcyclopentane	2.068	1.130	1.061
Benzene	0.845	0.365	0.402
Cyclohexane	1.679	0.882	0.861
2-Methylhexane	0.671	0.482	0.410
3-Methylhexane	0.725	0.514	0.443
2,2,4 Trimethylpentane	0.870	0.698	0.606
Other C-7's	1.337	0.897	0.808
n-Heptane	1.415	1.008	0.865
Methylcyclohexane	2.652	1.646	1.587
Toluene	1.641	0.848	0.922
Other C-8's	4.482	3.240	3.012
n-Octane	1.247	0.986	0.869
E-Benzene	0.644	0.384	0.417
M & P Xylenes	0.793	0.475	0.513
O-Xylene	0.268	0.157	0.173
Other C-9's	3.488	2.817	2.685
n-Nonane	1.018	0.884	0.796
Other C-10's	3.934	3.492	3.389
n-decane	0.822	0.779	0.713
Undecanes(11)	3.850	3.506	3.450
Dodecanes(12)	2.942	2.894	2.888
Tridecanes(13)	2.994	3.158	3.195
Tetradecanes(14)	2.480	2.801	2.872
Pentadecanes(15)	2.143	2.593	2.691
Hexadecanes(16)	1.629	2.106	2.204
Heptadecanes(17)	1.520	2.078	2.196
Octadecanes(18)	1.473	2.121	2.254
Nonadecanes(19)	1.341	2.011	2.150
Eicosanes(20)	1.087	1.695	1.823
Heneicosanes(21)	0.947	1.554	1.681
Docosanes(22)	0.892	1.524	1.658
Tricosanes(23)	0.803	1.422	1.556
Tetracosanes(24)	0.724	1.330	1.461
Pentacosanes(25)	0.684	1.304	1.439
Hexacosanes(26)	0.643	1.269	1.408
Heptacosanes(27)	0.619	1.267	1.411
Octacosanes(28)	0.573	1.212	1.355
Nonacosanes(29)	0.542	1.185	1.329
Triacontanes(30)	0.487	1.097	1.234
Hentriacontanes Plus(31+)	7.664	23.911	27.799
Total	100.000	100.000	100.000

April 15, 2025

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

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

Sample: Eagle CTB
Heater Treater Hydrocarbon Liquid
Sampled @ 48 psig & 117 °F

Date Sampled: 03/20/2025 Job Number: 251788.012

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2186-M

COMPONENT	MOL %	LIQ VOL %	WT %
Nitrogen	0.024	0.004	0.004
Carbon Dioxide	0.070	0.018	0.018
Methane	0.603	0.155	0.056
Ethane	2.056	0.834	0.360
Propane	4.870	2.034	1.249
Isobutane	1.148	0.570	0.388
n-Butane	4.657	2.226	1.575
2,2 Dimethylpropane	0.036	0.021	0.015
Isopentane	2.623	1.454	1.101
n-Pentane	3.278	1.801	1.376
2,2 Dimethylbutane	0.039	0.025	0.020
Cyclopentane	0.000	0.000	0.000
2,3 Dimethylbutane	0.153	0.095	0.076
2 Methylpentane	1.956	1.231	0.980
3 Methylpentane	1.142	0.707	0.573
n-Hexane	2.532	1.579	1.269
Heptanes Plus	74.812	87.247	90.940
Totals:	100.000	100.000	100.000

Characteristics of Heptanes Plus:

Specific Gravity	0.8607	(Water=1)
°API Gravity	32.89	@ 60°F
Molecular Weight	209.0	
Vapor Volume	12.75	CF/Gal
Weight	7.17	Lbs/Gal

Characteristics of Total Sample:

Specific Gravity	0.8258	(Water=1)
°API Gravity	39.85	@ 60°F
Molecular Weight	171.9	
Vapor Volume	14.87	CF/Gal
Weight	6.88	Lbs/Gal

Base Conditions: 15.025 PSI & 60 °F

Certified: FESCO, Ltd. - Alice, Texas

Sampled By: (14) SG
Analyst: JL
Processor: JL
Cylinder ID: W-0134

Conan Pierce 361-661-7015

FESCO, Ltd. Job Number: 251788.012

TANKS DATA INPUT REPORT - GPA 2186-M

COMPONENT	Mol %	LiqVol %	Wt %
Carbon Dioxide	0.070	0.018	0.018
Nitrogen	0.024	0.004	0.004
Methane	0.603	0.155	0.056
Ethane	2.056	0.834	0.360
Propane	4.870	2.034	1.249
Isobutane	1.148	0.570	0.388
n-Butane	4.694	2.247	1.590
Isopentane	2.623	1.454	1.101
n-Pentane	3.278	1.801	1.376
Other C-6's	3.290	2.057	1.649
Heptanes	9.556	5.704	5.074
Octanes	8.609	5.785	5.306
Nonanes	4.725	3.745	3.483
Decanes Plus	42.557	66.946	71.807
Benzene	1.492	0.633	0.678
Toluene	3.631	1.843	1.946
E-Benzene	1.803	1.055	1.114
Xylenes	1.906	1.116	1.177
n-Hexane	2.532	1.579	1.269
2,2,4 Trimethylpentane	0.533	0.420	0.354
Totals:	100.000	100.000	100.000

Characteristics of Total Sample:

Specific Gravity	0.8258	(Water=1)
°API Gravity	39.85	@ 60°F
Molecular Weight	171.9	
Vapor Volume	14.87	CF/Gal
Weight	6.88	Lbs/Gal

Characteristics of Decanes (C10) Plus:

Specific Gravity	0.8858	(Water=1)
Molecular Weight	290.0	

Characteristics of Atmospheric Sample:

°API Gravity	38.02	@ 60°F
Reid Vapor Pressure Equivalent (D-6377)	10.69	psi

QUALITY CONTROL CHECK			
	Sampling Conditions	Test Samples	
Cylinder Number	------	W-0134*	W-1148
Pressure, PSIG	48	45	45
Probe Temperature, °F	117	117	117

* Sample used for analysis

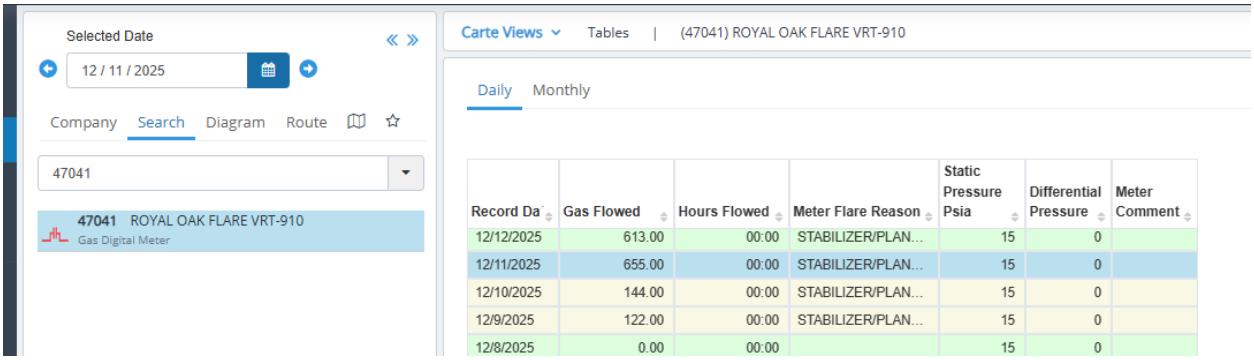
FESCO, Ltd. Job Number: 251788.012

TOTAL EXTENDED REPORT - GPA 2186-M

COMPONENT	Mol %	LiqVol %	Wt %
Nitrogen	0.024	0.004	0.004
Carbon Dioxide	0.070	0.018	0.018
Methane	0.603	0.155	0.056
Ethane	2.056	0.834	0.360
Propane	4.870	2.034	1.249
Isobutane	1.148	0.570	0.388
n-Butane	4.657	2.226	1.575
2,2 Dimethylpropane	0.036	0.021	0.015
Isopentane	2.623	1.454	1.101
n-Pentane	3.278	1.801	1.376
2,2 Dimethylbutane	0.039	0.025	0.020
Cyclopentane	0.000	0.000	0.000
2,3 Dimethylbutane	0.153	0.095	0.076
2 Methylpentane	1.956	1.231	0.980
3 Methylpentane	1.142	0.707	0.573
n-Hexane	2.532	1.579	1.269
Methylcyclopentane	2.037	1.093	0.998
Benzene	1.492	0.633	0.678
Cyclohexane	3.213	1.658	1.573
2-Methylhexane	0.697	0.491	0.406
3-Methylhexane	0.941	0.655	0.549
2,2,4 Trimethylpentane	0.533	0.420	0.354
Other C-7's	1.056	0.680	0.610
n-Heptane	1.612	1.127	0.939
Methylcyclohexane	3.488	2.126	1.993
Toluene	3.631	1.843	1.946
Other C-8's	3.815	2.646	2.446
n-Octane	1.305	1.014	0.867
E-Benzene	1.803	1.055	1.114
M & P Xylenes	1.422	0.836	0.878
O-Xylene	0.485	0.279	0.299
Other C-9's	3.648	2.825	2.679
n-Nonane	1.077	0.919	0.804
Other C-10's	4.567	3.887	3.753
n-decane	0.895	0.833	0.741
Undecanes(11)	4.291	3.748	3.670
Dodecanes(12)	3.126	2.948	2.927
Tridecanes(13)	3.133	3.169	3.189
Tetradecanes(14)	2.646	2.867	2.924
Pentadecanes(15)	2.245	2.606	2.691
Hexadecanes(16)	1.746	2.165	2.255
Heptadecanes(17)	1.510	1.981	2.082
Octadecanes(18)	1.385	1.913	2.023
Nonadecanes(19)	1.332	1.916	2.038
Eicosanes(20)	1.065	1.593	1.704
Heneicosanes(21)	0.897	1.412	1.519
Docosanes(22)	0.821	1.347	1.457
Tricosanes(23)	0.712	1.211	1.318
Tetracosanes(24)	0.646	1.138	1.244
Pentacosanes(25)	0.587	1.072	1.178
Hexacosanes(26)	0.543	1.028	1.134
Heptacosanes(27)	0.502	0.985	1.092
Octacosanes(28)	0.462	0.938	1.043
Nonacosanes(29)	0.420	0.880	0.982
Triacontanes(30)	0.378	0.818	0.915
Hentriacontanes Plus(31+)	8.646	26.491	29.927
Total	100.000	100.000	100.000

Coterra Energy Inc.
Corporate Headquarters
Three Memorial City Plaza
840 Gessner Road
Suite 1400
Houston, TX 77024

T 281-589-4600
F 281-589-4955
coterra.com



Intermediate flaring:

Event Date	Volume Flowed (mcf)	Duration (hrs)
12/08/2025	122	0

Details:

[24650] TARGA MIDSTREAM SERVICES LLC, Curtailment - Gas Purchaser/HLP, Midstream and Marketing Evaluate

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

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

DEFINITIONS

Operator: Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706	OGRID: 330396
	Action Number: 535352
	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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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 535352

QUESTIONS

Operator: Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706	OGRID: 330396
	Action Number: 535352
	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	**[fAPP2534537832] ROYAL OAK 25 FEDERAL 302H 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	No
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	64
Nitrogen (N2) percentage, if greater than one percent	6
Hydrogen Sulfide (H2S) PPM, rounded up	10
Carbon Dioxide (C02) percentage, if greater than one percent	1
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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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS (continued)

Operator: Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706	OGRID: 330396
	Action Number: 535352
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	12/08/2025
Time vent or flare was discovered or commenced	12:00 AM
Time vent or flare was terminated	12:00 AM
Cumulative hours during this event	0

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	Cause: High Line Pressure | Separator | Natural Gas Flared | Released: 122 Mcf | Recovered: 0 Mcf | Lost: 122 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	HLP
Steps taken to limit the duration and magnitude of vent or flare	Minimize flaring duration.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	midstream and marketing evaluate.

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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

ACKNOWLEDGMENTS

Operator: Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706	OGRID: 330396
	Action Number: 535352
	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.

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

CONDITIONS

Operator: Avant Operating, LLC 6001 Deauville Blvd Midland, TX 79706	OGRID: 330396
	Action Number: 535352
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
aolivi	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.	12/16/2025