

April 14, 2023

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

For: Enterprise Field Services, LLC
P. O. Box 1508
Carlsbad, New Mexico 88221

Sample: Poker Lake
Inlet
Spot Gas Sample @ 44 psig & 58 °F

Date Sampled: 03/30/2023

Job Number: 231748.001

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286

COMPONENT	MOL%	GPM
Hydrogen Sulfide*	< 0.001	
Nitrogen	2.453	
Carbon Dioxide	3.072	
Methane	75.387	
Ethane	10.464	2.864
Propane	5.153	1.453
Isobutane	0.623	0.209
n-Butane	1.461	0.471
2-2 Dimethylpropane	0.022	0.009
Isopentane	0.343	0.128
n-Pentane	0.386	0.143
Hexanes	0.239	0.101
Heptanes Plus	<u>0.397</u>	<u>0.172</u>
Totals	100.000	5.551

Computed Real Characteristics Of Heptanes Plus:

Specific Gravity ----- 3.489 (Air=1)
Molecular Weight ----- 100.68
Gross Heating Value ----- 5414 BTU/CF

Computed Real Characteristics Of Total Sample:

Specific Gravity ----- 0.759 (Air=1)
Compressibility (Z) ----- 0.9963
Molecular Weight ----- 21.91
Gross Heating Value
Dry Basis ----- 1238 BTU/CF
Saturated Basis ----- 1217 BTU/CF

*Hydrogen Sulfide tested on location by: Stain Tube Method (GPA 2377)
Results: 0.094 Gr/100 CF, 1.5 PPMV or 0.0002 Mol%

Base Conditions: 15.025 PSI & 60 Deg F

Sampled By: (24) D. Field
Analyst: JS
Processor: KV
Cylinder ID: ST-6026

Certified: FESCO, Ltd. - Alice, Texas

Conan Pierce 361-661-7015

FESCO, Ltd.

Job Number: 231748.001

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286
TOTAL REPORT

COMPONENT	MOL %	GPM	WT %
Hydrogen Sulfide*	< 0.001		< 0.001
Nitrogen	2.453		3.136
Carbon Dioxide	3.072		6.170
Methane	75.387		55.196
Ethane	10.464	2.864	14.360
Propane	5.153	1.453	10.370
Isobutane	0.623	0.209	1.653
n-Butane	1.461	0.471	3.876
2,2 Dimethylpropane	0.022	0.009	0.072
Isopentane	0.343	0.128	1.129
n-Pentane	0.386	0.143	1.271
2,2 Dimethylbutane	0.003	0.001	0.012
Cyclopentane	0.000	0.000	0.000
2,3 Dimethylbutane	0.026	0.011	0.102
2 Methylpentane	0.075	0.032	0.295
3 Methylpentane	0.042	0.018	0.165
n-Hexane	0.093	0.039	0.366
Methylcyclopentane	0.047	0.017	0.181
Benzene	0.016	0.005	0.057
Cyclohexane	0.043	0.015	0.165
2-Methylhexane	0.014	0.007	0.064
3-Methylhexane	0.016	0.008	0.073
2,2,4 Trimethylpentane	0.012	0.006	0.063
Other C7's	0.032	0.014	0.145
n-Heptane	0.033	0.016	0.151
Methylcyclohexane	0.045	0.019	0.202
Toluene	0.019	0.007	0.080
Other C8's	0.056	0.027	0.282
n-Octane	0.012	0.006	0.063
Ethylbenzene	0.002	0.001	0.010
M & P Xylenes	0.008	0.003	0.039
O-Xylene	0.002	0.001	0.010
Other C9's	0.023	0.012	0.133
n-Nonane	0.005	0.003	0.029
Other C10's	0.008	0.005	0.052
n-Decane	0.002	0.001	0.013
Undecanes (11)	<u>0.002</u>	<u>0.001</u>	<u>0.015</u>
Totals	100.000	5.551	100.000

Computed Real Characteristics of Total Sample

Specific Gravity -----	0.759	(Air=1)
Compressibility (Z) -----	0.9963	
Molecular Weight -----	21.91	
Gross Heating Value		
Dry Basis -----	1238	BTU/CF
Saturated Basis -----	1217	BTU/CF

April 14, 2023

FESCO, Ltd.
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Sample: Poker Lake
Inlet
Spot Gas Sample @ 44 psig & 58 °F

Date Sampled: 03/30/2023

Job Number: 231748.001

GLYCALC FORMAT

COMPONENT	MOL%	GPM	Wt %
Carbon Dioxide	3.072		6.170
Hydrogen Sulfide	< 0.001		< 0.001
Nitrogen	2.453		3.136
Methane	75.387		55.196
Ethane	10.464	2.864	14.360
Propane	5.153	1.453	10.370
Isobutane	0.623	0.209	1.653
n-Butane	1.483	0.480	3.948
Isopentane	0.343	0.128	1.129
n-Pentane	0.386	0.143	1.271
Cyclopentane	0.000	0.000	0.000
n-Hexane	0.093	0.039	0.366
Cyclohexane	0.043	0.015	0.165
Other C6's	0.146	0.062	0.574
Heptanes	0.142	0.061	0.614
Methylcyclohexane	0.045	0.019	0.202
2,2,4 Trimethylpentane	0.012	0.006	0.063
Benzene	0.016	0.005	0.057
Toluene	0.019	0.007	0.080
Ethylbenzene	0.002	0.001	0.010
Xylenes	0.010	0.004	0.049
Octanes Plus	<u>0.108</u>	<u>0.055</u>	<u>0.587</u>
Totals	100.000	5.551	100.000

Real Characteristics Of Octanes Plus:

Specific Gravity ----- 4.121 (Air=1)
Molecular Weight ----- 118.92
Gross Heating Value ----- 6260 BTU/CF

Real Characteristics Of Total Sample:

Specific Gravity ----- 0.759 (Air=1)
Compressibility (Z) ----- 0.9963
Molecular Weight ----- 21.91
Gross Heating Value
Dry Basis ----- 1238 BTU/CF
Saturated Basis ----- 1217 BTU/CF



April 22, 2023

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For: Enterprise Field Services, LLC
P. O. Box 1508
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LABORATORY TEST RESULTS

Lease/Well	Poker Lake	Job Number		J231748
		Date Sampled		3/30/2023
Sample ID	Test	Results	Units	Test Method
Inlet	Total Sulfur	2.5 0.00025	ppm wt wt %	ASTM D-6667

FESCO Ltd. - Alice, Texas

Conan Pierce 361-661-7015

Released to Imaging: 3/14/2024 7:52:52 AM				
		Release Inputs		LEAK RELEASE TOTAL
	Release Type	Leak	120.43	Mscf
	Flowrate (scfm)		0.00	lbs VOC
	Hole Length (in)	1.70	0.00	lbs H2S
	Hole Width (in)	1.70		
	Hole Diameter (in)	1.70		BLOWDOWN RELEASE TOTAL
	Pressure (psi <i>gauge</i>)	1115	0.00	Mscf
	Flared	No	0.00	lbs VOC
	Cg	2,558	0.00	lbs NOx
		Blowdown Inputs	0.00	lbs H2S
	Pipe Length (ft)		0.00	lbs CO
	Diameter (in)		0.00	lbs SO2
	Pressure (psi)			
	Flared			EVENT TOTAL (LEAK & BLOWDOWN)
	Is blowdown Part of release	No	120.43	Mscf
		Atmospheric Input	0.00	lbs VOC
	Pressure (psi <i>atm.</i>)	14.7	0.00	lbs H2S

District I
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Phone:(575) 748-1283 Fax:(575) 748-9720
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Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

DEFINITIONS

Action 323131

DEFINITIONS

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 323131
	Action Type: [C-129] Venting and/or Flaring (C-129)

DEFINITIONS

For the sake of brevity and completeness, please allow for the following in all groups of questions and for the rest of this application: • this application's operator, hereinafter "this operator"; • venting and/or flaring, hereinafter "vent or flare"; • any notification or report(s) of the C-129 form family, hereinafter "any C-129 forms"; • the statements in (and/or attached to) this, hereinafter "the statements in this"; • and the past tense will be used in lieu of mixed past/present tense questions and statements.
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QUESTIONS

Action 323131

QUESTIONS

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 323131
	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	[fAPP2122928745] Enterprise Carlsbad GS

Determination of Reporting Requirements Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide additional 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	Gas Compressor Station
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	75
Nitrogen (N2) percentage, if greater than one percent	2
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (C02) percentage, if greater than one percent	3
Oxygen (02) percentage, if greater than one percent	0
If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.	
Methane (CH4) percentage quality requirement	Not answered.
Nitrogen (N2) percentage quality requirement	Not answered.
Hydrogen Sufide (H2S) PPM quality requirement	Not answered.
Carbon Dioxide (C02) percentage quality requirement	Not answered.
Oxygen (02) percentage quality requirement	Not answered.

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QUESTIONS, Page 2

Action 323131

QUESTIONS (continued)

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 323131
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	03/12/2024
Time vent or flare was discovered or commenced	07:17 PM
Time vent or flare was terminated	07:22 PM
Cumulative hours during this event	0

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Equipment Failure Gas Compressor Station Natural Gas Vented Released: 121 Mcf Recovered: 0 Mcf Lost: 121 Mcf.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Additional details for Measured or Estimated Volume(s). Please specify	Not answered.
Is this a gas only submission (i.e. only significant Mcf values reported)	Yes, according to supplied volumes this appears to be a "gas only" report.

Venting or Flaring Resulting from Downstream Activity	
Was this vent or flare a result of downstream activity	No
Was notification of downstream activity received by this operator	Not answered.
Downstream OGRID that should have notified this operator	Not answered.
Date notified of downstream activity requiring this vent or flare	Not answered.
Time notified of downstream activity requiring this vent or flare	Not answered.

Steps and Actions to Prevent Waste	
For this event, this operator could not have reasonably anticipated the current event and it was beyond this operator's control.	True
Please explain reason for why this event was beyond this operator's control	Premature PSV lift at a compressor station
Steps taken to limit the duration and magnitude of vent or flare	The PSV reseated itself in 5 minutes.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	The PSV will be inspected and repaired.

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ACKNOWLEDGMENTS

Action 323131

ACKNOWLEDGMENTS

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 323131
	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 323131

CONDITIONS

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 323131
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
rdunaway	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.	3/14/2024