

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: Rattlesnake
Inlet
Spot Gas Sample @ 38 psig & 63 °F

Date Sampled: 03/29/2023

Job Number: 231750.001

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286

COMPONENT	MOL%	GPM
Hydrogen Sulfide*	< 0.001	
Nitrogen	1.392	
Carbon Dioxide	2.235	
Methane	69.923	
Ethane	13.075	3.582
Propane	7.744	2.186
Isobutane	0.954	0.320
n-Butane	2.528	0.817
2-2 Dimethylpropane	0.004	0.002
Isopentane	0.540	0.202
n-Pentane	0.588	0.218
Hexanes	0.434	0.183
Heptanes Plus	<u>0.583</u>	<u>0.244</u>
Totals	100.000	7.754

Computed Real Characteristics Of Heptanes Plus:

Specific Gravity -----	3.366	(Air=1)
Molecular Weight -----	97.05	
Gross Heating Value -----	5241	BTU/CF

Computed Real Characteristics Of Total Sample:

Specific Gravity -----	0.823	(Air=1)
Compressibility (Z) -----	0.9954	
Molecular Weight -----	23.72	
Gross Heating Value		
Dry Basis -----	1378	BTU/CF
Saturated Basis -----	1355	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: (24) D. Field
Analyst: JS
Processor: KV
Cylinder ID: ST-6011

Certified: FESCO, Ltd. - Alice, Texas

Conan Pierce 361-661-7015

FESCO, Ltd.

Job Number: 231750.001

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286
TOTAL REPORT

COMPONENT	MOL %	GPM	WT %
Hydrogen Sulfide*	< 0.001		< 0.001
Nitrogen	1.392		1.644
Carbon Dioxide	2.235		4.147
Methane	69.923		47.297
Ethane	13.075	3.582	16.576
Propane	7.744	2.186	14.398
Isobutane	0.954	0.320	2.338
n-Butane	2.528	0.817	6.195
2,2 Dimethylpropane	0.004	0.002	0.012
Isopentane	0.540	0.202	1.643
n-Pentane	0.588	0.218	1.789
2,2 Dimethylbutane	0.005	0.002	0.018
Cyclopentane	0.000	0.000	0.000
2,3 Dimethylbutane	0.049	0.021	0.178
2 Methylpentane	0.132	0.056	0.480
3 Methylpentane	0.076	0.032	0.276
n-Hexane	0.172	0.072	0.625
Methylcyclopentane	0.086	0.031	0.305
Benzene	0.026	0.007	0.086
Cyclohexane	0.092	0.032	0.326
2-Methylhexane	0.020	0.010	0.084
3-Methylhexane	0.025	0.012	0.106
2,2,4 Trimethylpentane	0.018	0.010	0.087
Other C7's	0.052	0.023	0.217
n-Heptane	0.049	0.023	0.207
Methylcyclohexane	0.072	0.030	0.298
Toluene	0.026	0.009	0.101
Other C8's	0.061	0.029	0.283
n-Octane	0.016	0.008	0.077
Ethylbenzene	0.001	0.000	0.004
M & P Xylenes	0.007	0.003	0.031
O-Xylene	0.002	0.001	0.009
Other C9's	0.023	0.012	0.122
n-Nonane	0.004	0.002	0.022
Other C10's	0.001	0.001	0.006
n-Decane	0.001	0.001	0.006
Undecanes (11)	<u>0.001</u>	<u>0.001</u>	<u>0.007</u>
Totals	100.000	7.754	100.000

Computed Real Characteristics of Total Sample

Specific Gravity -----	0.823	(Air=1)
Compressibility (Z) -----	0.9954	
Molecular Weight -----	23.72	
Gross Heating Value		
Dry Basis -----	1378	BTU/CF
Saturated Basis -----	1355	BTU/CF

April 14, 2023

FESCO, Ltd.
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Sample: Rattlesnake
 Inlet
 Spot Gas Sample @ 38 psig & 63 °F

Date Sampled: 03/29/2023

Job Number: 231750.001

GLYCALC FORMAT

COMPONENT	MOL%	GPM	Wt %
Carbon Dioxide	2.235		4.147
Hydrogen Sulfide	< 0.001		< 0.001
Nitrogen	1.392		1.644
Methane	69.923		47.297
Ethane	13.075	3.582	16.576
Propane	7.744	2.186	14.398
Isobutane	0.954	0.320	2.338
n-Butane	2.532	0.818	6.207
Isopentane	0.540	0.202	1.643
n-Pentane	0.588	0.218	1.789
Cyclopentane	0.000	0.000	0.000
n-Hexane	0.172	0.072	0.625
Cyclohexane	0.092	0.032	0.326
Other C6's	0.262	0.111	0.952
Heptanes	0.232	0.099	0.919
Methylcyclohexane	0.072	0.030	0.298
2,2,4 Trimethylpentane	0.018	0.010	0.087
Benzene	0.026	0.007	0.086
Toluene	0.026	0.009	0.101
Ethylbenzene	0.001	0.000	0.004
Xylenes	0.009	0.004	0.040
Octanes Plus	<u>0.107</u>	<u>0.054</u>	<u>0.523</u>
Totals	100.000	7.754	100.000

Real Characteristics Of Octanes Plus:

Specific Gravity ----- 4.022 (Air=1)
 Molecular Weight ----- 115.96
 Gross Heating Value ----- 6082 BTU/CF

Real Characteristics Of Total Sample:

Specific Gravity ----- 0.823 (Air=1)
 Compressibility (Z) ----- 0.9954
 Molecular Weight ----- 23.72
 Gross Heating Value
 Dry Basis ----- 1378 BTU/CF
 Saturated Basis ----- 1355 BTU/CF



April 22, 2023

FESCO Ltd.

1100 Fesco Avenue - Alice, Texas 78332

For: Enterprise Field Services, LLC

P. O. Box 1508

Carlsbad, New Mexico 88221

LABORATORY TEST RESULTS

Lease/WellRattlesnake	Job Number	J231750
		Date Sampled	3/29/2023
Sample ID	Test	Results	Units	Test Method
Inlet	Total Sulfur	4.4	ppm wt	ASTM D-6667
		0.00044	wt %	

FESCO Ltd. - Alice, Texas

Conan Pierce 361-661-7015



FARRIS ENGINEERING
DIV. OF CURTISS-WRIGHT F.C.C.
BRANTFORD, ONTARIO CANADA

TYPE 26QA10-120

Mfg Yr: 2016-08

SIZE AND
ORIFICE 6 Q 8

SET
PRESS. 145 PSIG

BACK PRESSURE 0 PSIG

COLD DIFF. TEST PRESS. 145 PSIG

CAPACITY AT 10%
OVERPRESSURE

33617 SCFM AIR

SERIAL 868231-1-A10

TAG PSV-1000

CRN: 0G8442.5CL

29336



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1625 N. French Dr., Hobbs, NM 88240
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District II
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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 266215

DEFINITIONS

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 266215
	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: <ul style="list-style-type: none">• 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 266215

QUESTIONS

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 266215
	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	Not answered.
Additional details for Equipment Involved. Please specify	Calculation = 33614 SCFM * 7 minutes Source: Farris Engineering Plate

Representative Compositional Analysis of Vented or Flared Natural Gas Please provide the mole percent for the percentage questions in this group.	
Methane (CH4) percentage	70
Nitrogen (N2) percentage, if greater than one percent	1
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (C02) percentage, if greater than one percent	2
Oxygen (O2) 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 (O2) percentage quality requirement	Not answered.

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QUESTIONS, Page 2
Action 266215

QUESTIONS (continued)

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 266215
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	09/13/2023
Time vent or flare was discovered or commenced	11:48 AM
Time vent or flare was terminated	11:55 AM
Cumulative hours during this event	0

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Normal Operations Valve Natural Gas Vented Released: 235 Mcf Recovered: 0 Mcf Lost: 235 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	Normal Operations of PSV.
Steps taken to limit the duration and magnitude of vent or flare	None
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	None

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ACKNOWLEDGMENTS

Action 266215

ACKNOWLEDGMENTS

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 266215
	Action Type: [C-129] Venting and/or Flaring (C-129)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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 266215

CONDITIONS

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 266215
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
tjlong	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.	9/18/2023