July 18, 2022

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

For: US Energy Development Corp.
1521 N. Cooper Street, Suite 400
Arlington, Texas 76011

Sample: Texaco 14 Fed No. 1
Heater Treater
Spot Gas Sample @ 28 psig & 85 °F

Date Sampled: 07/14/2022 Job Number: 222565.001

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286

COMPONENT	MOL%	GPM
Hydrogen Sulfide*	0.004	
Nitrogen	2.952	
Carbon Dioxide	2.085	
Methane	67.852	
Ethane	13.101	3.591
Propane	7.205	2.034
Isobutane	0.868	0.291
n-Butane	2.517	0.813
2-2 Dimethylpropane	0.000	0.000
Isopentane	0.689	0.258
n-Pentane	0.784	0.291
Hexanes	0.604	0.255
Heptanes Plus	1.339	0.528
Totals	100.000	8.061

Computed Real Characteristics Of Heptanes Plus:

Specific Gravity	3.266	(Air=1)
Molecular Weight	94.15	
Gross Heating Value	5003	BTU/CF

Computed Real Characteristics Of Total Sample:

Specific Gravity	0.852	(Air=1)
Compressibility (Z)	0.9951	
Molecular Weight	24.56	
Gross Heating Value		
Dry Basis	1399	BTU/CF
Saturated Basis	1376	BTU/CF

*Hydrogen Sulfide tested on location by: Stain Tube Method (GPA 2377)
Results: 2.264 Gr/100 CF, 36.0 PPMV or 0.004 Mol %

Base Conditions: 15.025 PSI & 60 Deg F

Sampled By: (24) D. Field
Analyst: RG
Processor: AS
Cylinder ID: T-4582

Certified: FESCO, Ltd. - Alice, Texas

Conan Pierce 361-661-7015

FESCO, Ltd. Job Number: 222565.001

CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286
TOTAL REPORT

COMPONENT	MOL %	GPM	WT %
Hydrogen Sulfide*	0.004		0.006
Nitrogen	2.952		3.367
Carbon Dioxide	2.085		3.736
Methane	67.852		44.323
Ethane	13.101	3.591	16.040
Propane	7.205	2.034	12.937
Isobutane	0.868	0.291	2.054
n-Butane	2.517	0.813	5.957
2,2 Dimethylpropane	0.000	0.000	0.000
Isopentane	0.689	0.258	2.024
n-Pentane	0.784	0.291	2.303
2,2 Dimethylbutane	0.004	0.002	0.014
Cyclopentane	0.000	0.000	0.000
2,3 Dimethylbutane	0.086	0.036	0.302
2 Methylpentane	0.178	0.076	0.625
3 Methylpentane	0.111	0.046	0.389
n-Hexane	0.225	0.095	0.790
Methylcyclopentane	0.162	0.059	0.555
Benzene	0.196	0.056	0.623
Cyclohexane	0.200	0.070	0.685
2-Methylhexane	0.030	0.014	0.122
3-Methylhexane	0.041	0.019	0.167
2,2,4 Trimethylpentane	0.000	0.000	0.000
Other C7's	0.119	0.053	0.481
n-Heptane	0.076	0.036	0.310
Methylcyclohexane	0.133	0.055	0.532
Toluene	0.146	0.050	0.548
Other C8's	0.122	0.058	0.548
n-Octane	0.022	0.012	0.102
Ethylbenzene	0.002	0.001	0.009
M & P Xylenes	0.015	0.006	0.065
O-Xylene	0.004	0.002	0.017
Other C9's	0.061	0.032	0.314
n-Nonane	0.006	0.003	0.031
Other C10's	0.001	0.001	0.006
n-Decane	0.002	0.001	0.012
Undecanes (11)	0.001	0.001	0.006
Totals	100.000	8.061	100.000

Computed Real Characteristics of Total Sample		
Specific Gravity	0.852	(Air=1)
Compressibility (Z)	0.9951	
Molecular Weight	24.56	
Gross Heating Value		
Dry Basis	1399	BTU/CF
Saturated Basis	1376	BTU/CF

July 18, 2022

FESCO, Ltd.
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Sample: Texaco 14 Fed No. 1
Heater Treater
Spot Gas Sample @ 28 psig & 85 °F

Date Sampled: 07/14/2022 Job Number: 222565.001

GLYCALC FORMAT

COMPONENT	MOL%	GPM	Wt %
Carbon Dioxide	2.085		3.736
Hydrogen Sulfide	0.004		0.006
Nitrogen	2.952		3.367
Methane	67.852		44.323
Ethane	13.101	3.591	16.040
Propane	7.205	2.034	12.937
Isobutane	0.868	0.291	2.054
n-Butane	2.517	0.813	5.957
Isopentane	0.689	0.258	2.024
n-Pentane	0.784	0.291	2.303
Cyclopentane	0.000	0.000	0.000
n-Hexane	0.225	0.095	0.790
Cyclohexane	0.200	0.070	0.685
Other C6's	0.379	0.160	1.330
Heptanes	0.428	0.181	1.635
Methylcyclohexane	0.133	0.055	0.532
2,2,4 Trimethylpentane	0.000	0.000	0.000
Benzene	0.196	0.056	0.623
Toluene	0.146	0.050	0.548
Ethylbenzene	0.002	0.001	0.009
Xylenes	0.019	0.008	0.082
Octanes Plus	0.215	0.107	1.019
Totals	100.000	8.061	100.000

Real Characteristics Of Octanes Plus:

Specific Gravity	4.036	(Air=1)
Molecular Weight	116.33	
Gross Heating Value	6086	BTU/CF

Real Characteristics Of Total Sample:

Specific Gravity	0.852	(Air=1)
Compressibility (Z)	0.9951	
Molecular Weight	24.56	
Gross Heating Value		
Dry Basis	1399	BTU/CF
Saturated Basis	1376	BTU/CF

TEXACO 14 FEDERAL FLARE METER : 305
Daily

Date	Gas Flowed	Hours Flowed	Comments
9/18/2022	38.3	24:00:00	Flared gas due to high gas sales static pressure of 50 psia. Norm is 38-40 psia
9/17/2022	38.3	24:00:00	Flared gas due to high gas sales static pressure of 50 psia. Norm is 38-40 psia
9/16/2022	38.7	24:00:00	Flared gas due to high gas sales static pressure of 50 psia. Norm is 38-40 psia
9/15/2022	40.2	24:00:00	Flared gas due to high gas sales static pressure of 50 psia. Norm is 38-40 psia
9/14/2022	37.2	24:00:00	Flared gas due to high gas sales static pressure of 50 psia. Norm is 38-40 psia
9/13/2022	37.1	24:00:00	Flared gas due to high gas sales static pressure of 50 psia. Norm is 38-40 psia
9/12/2022	36	23:30:00	Flared gas due to high gas sales static pressure of 50 psia. Norm is 38-40 psia

TEXACO 14 FEDERAL FLARE METER : 305
Daily

Date	Gas Flowe
9/19/2022	0
9/18/2022	38.3
9/17/2022	38.3
9/16/2022	38.7
9/15/2022	40.2
9/14/2022	37.2
9/13/2022	37.1
9/12/2022	36
9/11/2022	11
9/10/2022	10.2
9/9/2022	8.8
9/8/2022	0
9/7/2022	0
9/6/2022	0
9/5/2022	0
9/4/2022	0
9/3/2022	0
9/2/2022	0
9/1/2022	0
8/31/2022	0
8/30/2022	0
8/29/2022	0
8/28/2022	21.3
8/27/2022	4.2
8/26/2022	15.5
8/25/2022	0
8/24/2022	0
8/23/2022	0
8/22/2022	0
8/21/2022	6.6
8/20/2022	18.2

8/19/2022	1.4
7/29/2022	0
7/28/2022	0
7/27/2022	1
7/26/2022	3.2
7/25/2022	0.4
7/24/2022	2.7
7/23/2022	4.8
7/22/2022	37.9
7/21/2022	38.8
7/20/2022	36.7
7/19/2022	34
7/18/2022	38.4
7/17/2022	38.7
7/16/2022	38.3
7/15/2022	38.7
7/14/2022	39.1
7/13/2022	0
7/12/2022	0
7/11/2022	4
7/10/2022	0
7/9/2022	2
7/8/2022	0.6
7/7/2022	0
7/6/2022	5
7/5/2022	10
7/4/2022	0
7/3/2022	13
7/2/2022	15
7/1/2022	3.7
6/30/2022	0
6/29/2022	22
6/28/2022	19
6/27/2022	0.2
6/26/2022	0.4

6/25/2022	0.6
6/24/2022	0.3
6/23/2022	4.7
6/22/2022	1
6/21/2022	1.2
6/20/2022	1.7
6/19/2022	7.2
6/18/2022	0.5
6/17/2022	0.5
6/16/2022	1.2
6/15/2022	26
6/14/2022	1.3
6/13/2022	1.7
6/12/2022	0.6
6/11/2022	2.6
6/10/2022	0
6/9/2022	1.2
6/8/2022	22.5
6/7/2022	19.2
6/6/2022	4.4
6/5/2022	41
6/4/2022	40
6/3/2022	36
6/2/2022	23
6/1/2022	26
5/31/2022	25
5/30/2022	33

Hours	Flov	Comments
0:00		
0:00		
24:00:00		
24:00:00		
0:00		
0:00		
24:00:00		
23:30:00		
7:00:00		
8:00:00		
4:00:00		
0:00		
0:00		
0:00		
0:00		
0:00		
0:00		
0:00		
0:00		
0:00		
0		
0:00		
13:00		
2:00		
10:00		
0:00		
0:00		
0:00:00		
0:00:00		
3:00		
11:00		

1:00	
0:00:00	
0:00:00	
0:30:00	
1:00	
0:00:00	
1:00:00	
2:00	
0:00	
0:00	
22:00	
23:00	
0:00	
0:00	
0:00	
0:00	
0:00	
0:00:00	
0:00:00	
3:00	Durango Midstream compressor dn due to mechanical issues.
0:00	
1:03	Durango compressor dn 1.5 hrs on compressor PM
0:00	
0:00	
3:00	Experienced gas sales line high static pressure.
6:00	
0:00	
8:00	
8:00	
2:00	
0:00	
14:00:00	Flare meter still metering high, Est gas flared.
8:00	
0:00	
0	

0:00:00	
0:00	
1:00	
0	
0:00	
0:00	
1:00	
0:00:00	
24:00:00	
0:00	
16:00	Flared meter is still metering high, adjusting flared gas based off gas sales avg.
0:00	
0:00	
0:30	
1:00	
0:00	
1:00	
10:00	
10:00	
0:00	
0:00	Reset flare kimray setting to 28 psi. Sales SP @24 psi.
22:00	
16:00	Flared gas due to Durango Midstream compressor down on electrical issues.
14:00	
15:00	
14:00	Reset flare vlv to 24 psi.
12:00	Adjust flare setting pressure to 26 psi.

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District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

DEFINITIONS

Operator: U.S. ENERGY DEVELOPMENT CORPORATION 1521 N. Cooper St. Arlington, TX 76011	OGRID: 372759
	Action Number: 144524
	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 144524

QUESTIONS

Operator: U.S. ENERGY DEVELOPMENT CORPORATION 1521 N. Cooper St. Arlington, TX 76011	OGRID: 372759
	Action Number: 144524
	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	**[30-025-29378] TEXACO 14 FEDERAL #001**
Incident Facility	*Not answered.*

Determination of Reporting Requirements	
Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide addional guidance.	
Was this vent or flare caused by an emergency or malfunction	Yes
Did this vent or flare last eight hours or more cumulatively within any 24-hour period from a single event	Yes
Is this considered a submission for a vent or flare event	**Yes, answer to "eight hours or more" suggests this is at least a minor event.**
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	No
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	68
Nitrogen (N2) percentage, if greater than one percent	3
Hydrogen Sulfide (H2S) PPM, rounded up	36
Carbon Dioxide (C02) percentage, if greater than one percent	2
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 (continued)

Operator: U.S. ENERGY DEVELOPMENT CORPORATION 1521 N. Cooper St. Arlington, TX 76011	OGRID: 372759
	Action Number: 144524
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	09/15/2022
Time vent or flare was discovered or commenced	12:00 AM
Time vent or flare was terminated	11:59 PM
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 | Producing Well | Natural Gas Flared | Released: 40 Mcf | Recovered: 0 Mcf | Lost: 40 Mcf]
Other Released Details	*Not answered.*
Additional details for Measured or Estimated Volume(s). Please specify	Flared volumes are metered
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	[221115] FRONTIER FIELD 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	The gas plant where this gas goes is operated by Durango Midstream. They are experiencing intermittent compressor problems causing compressor downtime. This causes the well's static pressure to go up, thus sending all gas to flare.
Steps taken to limit the duration and magnitude of vent or flare	This is an emergency caused by downstream third-party problems. There isn't much we can do to limit duration or magnitude short of shutting in the well.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Durango is working on their compressor problems.

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ACKNOWLEDGMENTS

Operator: U.S. ENERGY DEVELOPMENT CORPORATION 1521 N. Cooper St. Arlington, TX 76011	OGRID: 372759
	Action Number: 144524
	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.

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CONDITIONS

Action 144524

CONDITIONS

Operator: U.S. ENERGY DEVELOPMENT CORPORATION 1521 N. Cooper St. Arlington, TX 76011	OGRID: 372759
	Action Number: 144524
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
caniello	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.	9/19/2022