

September 3, 2022

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

**For:** Marathon Oil Permian, LLC  
5555 San Felipe Street  
Houston, Texas 77056

**Sample:** Abe State 2H Unit 2 Central Tank Battery  
First Stage Separator Meter  
Spot Gas Sample @ 63 psig & 93 °F

Date Sampled: 08/17/22

Job Number: 222849.011

**CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286**

COMPONENT	MOL%	GPM
Hydrogen Sulfide*	< 0.001	
Nitrogen	3.000	
Carbon Dioxide	0.266	
Methane	71.434	
Ethane	13.385	3.666
Propane	6.741	1.902
Isobutane	0.779	0.261
n-Butane	2.174	0.702
2-2 Dimethylpropane	0.004	0.002
Isopentane	0.430	0.161
n-Pentane	0.489	0.182
Hexanes	0.497	0.210
Heptanes Plus	<u>0.801</u>	<u>0.309</u>
Totals	100.000	7.394

**Computed Real Characteristics Of Heptanes Plus:**

Specific Gravity ----- 3.164 (Air=1)  
Molecular Weight ----- 91.25  
Gross Heating Value ----- 4900 BTU/CF

**Computed Real Characteristics Of Total Sample:**

Specific Gravity ----- 0.796 (Air=1)  
Compressibility (Z) ----- 0.9957  
Molecular Weight ----- 22.96  
Gross Heating Value  
Dry Basis ----- 1359 BTU/CF  
Saturated Basis ----- 1336 BTU/CF

\*Hydrogen Sulfide tested on location by: Stain Tube Method (GPA 2377)  
Results: <0.013 Gr/100 CF, <0.2 PPMV or <0.001 Mol %

Base Conditions: 15.025 PSI & 60 Deg F

Sampled By: (24) Bayless  
Analyst: KV  
Processor: AS  
Cylinder ID: T-5261

Certified: FESCO, Ltd. - Alice, Texas

Conan Pierce 361-661-7015

FESCO, Ltd.

Job Number: 222849.011

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

COMPONENT	MOL %	GPM	WT %
Hydrogen Sulfide*	< 0.001		< 0.001
Nitrogen	3.000		3.661
Carbon Dioxide	0.266		0.510
Methane	71.434		49.919
Ethane	13.385	3.666	17.533
Propane	6.741	1.902	12.949
Isobutane	0.779	0.261	1.972
n-Butane	2.174	0.702	5.504
2,2 Dimethylpropane	0.004	0.002	0.013
Isopentane	0.430	0.161	1.351
n-Pentane	0.489	0.182	1.537
2,2 Dimethylbutane	0.003	0.001	0.011
Cyclopentane	0.000	0.000	0.000
2,3 Dimethylbutane	0.070	0.029	0.263
2 Methylpentane	0.139	0.059	0.522
3 Methylpentane	0.089	0.037	0.334
n-Hexane	0.196	0.083	0.736
Methylcyclopentane	0.127	0.046	0.466
Benzene	0.119	0.034	0.405
Cyclohexane	0.188	0.066	0.689
2-Methylhexane	0.024	0.011	0.105
3-Methylhexane	0.030	0.014	0.131
2,2,4 Trimethylpentane	0.023	0.012	0.114
Other C7's	0.062	0.028	0.268
n-Heptane	0.039	0.018	0.170
Methylcyclohexane	0.095	0.039	0.406
Toluene	0.038	0.013	0.153
Other C8's	0.036	0.017	0.173
n-Octane	0.007	0.004	0.035
Ethylbenzene	0.001	0.000	0.005
M & P Xylenes	0.002	0.001	0.009
O-Xylene	0.001	0.000	0.005
Other C9's	0.006	0.003	0.033
n-Nonane	0.001	0.001	0.006
Other C10's	0.002	0.001	0.012
n-Decane	0.000	0.000	0.000
Undecanes (11)	<u>0.000</u>	<u>0.000</u>	<u>0.000</u>
Totals	100.000	7.394	100.000

Computed Real Characteristics of Total Sample

Specific Gravity -----	0.796	(Air=1)
Compressibility (Z) -----	0.9957	
Molecular Weight -----	22.96	
Gross Heating Value		
Dry Basis -----	1359	BTU/CF
Saturated Basis -----	1336	BTU/CF

September 3, 2022

**FESCO, Ltd.****1100 Fesco Ave. - Alice, Texas 78332****Sample:** Abe State 2H Unit 2 Central Tank Battery

First Stage Separator Meter

Spot Gas Sample @ 63 psig &amp; 93 °F

Date Sampled: 08/17/22

Job Number: 222849.011

**GLYCALC FORMAT**

<b>COMPONENT</b>	<b>MOL%</b>	<b>GPM</b>	<b>Wt %</b>
Carbon Dioxide	0.266		0.510
Hydrogen Sulfide	< 0.001		< 0.001
Nitrogen	3.000		3.661
Methane	71.434		49.919
Ethane	13.385	3.666	17.533
Propane	6.741	1.902	12.949
Isobutane	0.779	0.261	1.972
n-Butane	2.178	0.704	5.517
Isopentane	0.430	0.161	1.351
n-Pentane	0.489	0.182	1.537
Cyclopentane	0.000	0.000	0.000
n-Hexane	0.196	0.083	0.736
Cyclohexane	0.188	0.066	0.689
Other C6's	0.301	0.127	1.130
Heptanes	0.282	0.118	1.140
Methylcyclohexane	0.095	0.039	0.406
2,2,4 Trimethylpentane	0.023	0.012	0.114
Benzene	0.119	0.034	0.405
Toluene	0.038	0.013	0.153
Ethylbenzene	0.001	0.000	0.005
Xylenes	0.003	0.001	0.014
Octanes Plus	<u>0.052</u>	<u>0.026</u>	<u>0.259</u>
Totals	100.000	7.394	100.000

**Real Characteristics Of Octanes Plus:**

Specific Gravity ----- 3.958 (Air=1)  
Molecular Weight ----- 114.15  
Gross Heating Value ----- 5931 BTU/CF

**Real Characteristics Of Total Sample:**

Specific Gravity ----- 0.796 (Air=1)  
Compressibility (Z) ----- 0.9957  
Molecular Weight ----- 22.96  
Gross Heating Value  
Dry Basis ----- 1359 BTU/CF  
Saturated Basis ----- 1336 BTU/CF

August 31, 2022

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

**For:** Marathon Oil Permian, LLC  
5555 San Felipe Street  
Houston, Texas 77056

**Sample:** Abe State 2H, 3H Unit 2 Central Tank Battery  
Sales Meter  
Spot Gas Sample @ 59 psig & 98 °F

Date Sampled: 08/17/22

Job Number: 222849.001

**CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2286**

COMPONENT	MOL%	GPM
Hydrogen Sulfide*	< 0.001	
Nitrogen	3.094	
Carbon Dioxide	0.234	
Methane	74.693	
Ethane	12.260	3.356
Propane	6.395	1.803
Isobutane	0.641	0.215
n-Butane	1.430	0.461
2-2 Dimethylpropane	0.002	0.001
Isopentane	0.317	0.119
n-Pentane	0.295	0.109
Hexanes	0.190	0.080
Heptanes Plus	<u>0.449</u>	<u>0.181</u>
Totals	100.000	6.326

**Computed Real Characteristics Of Heptanes Plus:**

Specific Gravity ----- 3.314 (Air=1)  
Molecular Weight ----- 95.62  
Gross Heating Value ----- 5103 BTU/CF

**Computed Real Characteristics Of Total Sample:**

Specific Gravity ----- 0.752 (Air=1)  
Compressibility (Z) ----- 0.9962  
Molecular Weight ----- 21.70  
Gross Heating Value  
Dry Basis ----- 1289 BTU/CF  
Saturated Basis ----- 1267 BTU/CF

\*Hydrogen Sulfide tested on location by: Stain Tube Method (GPA 2377)  
Results: <0.013 Gr/100 CF, <0.2 PPMV or <0.001 Mol %

Base Conditions: 15.025 PSI &amp; 60 Deg F

Sampled By: (24) Bayless  
Analyst: KV  
Processor: AS  
Cylinder ID: T-4378

Certified: FESCO, Ltd. - Alice, Texas

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Conan Pierce 361-661-7015

FESCO, Ltd.

Job Number: 222849.001

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

COMPONENT	MOL %	GPM	WT %
Hydrogen Sulfide*	< 0.001		< 0.001
Nitrogen	3.094		3.995
Carbon Dioxide	0.234		0.475
Methane	74.693		55.221
Ethane	12.260	3.356	16.990
Propane	6.395	1.803	12.996
Isobutane	0.641	0.215	1.717
n-Butane	1.430	0.461	3.830
2,2 Dimethylpropane	0.002	0.001	0.007
Isopentane	0.317	0.119	1.054
n-Pentane	0.295	0.109	0.981
2,2 Dimethylbutane	0.002	0.001	0.008
Cyclopentane	0.000	0.000	0.000
2,3 Dimethylbutane	0.030	0.013	0.119
2 Methylpentane	0.057	0.024	0.226
3 Methylpentane	0.032	0.013	0.127
n-Hexane	0.069	0.029	0.274
Methylcyclopentane	0.051	0.018	0.198
Benzene	0.051	0.015	0.184
Cyclohexane	0.079	0.028	0.306
2-Methylhexane	0.010	0.005	0.046
3-Methylhexane	0.012	0.006	0.055
2,2,4 Trimethylpentane	0.010	0.005	0.053
Other C7's	0.026	0.012	0.119
n-Heptane	0.023	0.011	0.106
Methylcyclohexane	0.064	0.026	0.290
Toluene	0.035	0.012	0.149
Other C8's	0.042	0.020	0.213
n-Octane	0.010	0.005	0.053
Ethylbenzene	0.003	0.001	0.015
M & P Xylenes	0.005	0.002	0.024
O-Xylene	0.002	0.001	0.010
Other C9's	0.016	0.008	0.093
n-Nonane	0.002	0.001	0.012
Other C10's	0.005	0.003	0.033
n-Decane	0.001	0.001	0.007
Undecanes (11)	<u>0.002</u>	<u>0.001</u>	<u>0.014</u>
Totals	100.000	6.326	100.000

Computed Real Characteristics of Total Sample

Specific Gravity -----	0.752	(Air=1)
Compressibility (Z) -----	0.9962	
Molecular Weight -----	21.70	
Gross Heating Value		
Dry Basis -----	1289	BTU/CF
Saturated Basis -----	1267	BTU/CF

August 31, 2022

**FESCO, Ltd.****1100 Fesco Ave. - Alice, Texas 78332****Sample:** Abe State 2H, 3H Unit 2 Central Tank Battery

Sales Meter

Spot Gas Sample @ 59 psig &amp; 98 °F

Date Sampled: 08/17/22

Job Number: 222849.001

**GLYCALC FORMAT**

<b>COMPONENT</b>	<b>MOL%</b>	<b>GPM</b>	<b>Wt %</b>
Carbon Dioxide	0.234		0.475
Hydrogen Sulfide	< 0.001		< 0.001
Nitrogen	3.094		3.995
Methane	74.693		55.221
Ethane	12.260	3.356	16.990
Propane	6.395	1.803	12.996
Isobutane	0.641	0.215	1.717
n-Butane	1.432	0.462	3.837
Isopentane	0.317	0.119	1.054
n-Pentane	0.295	0.109	0.981
Cyclopentane	0.000	0.000	0.000
n-Hexane	0.069	0.029	0.274
Cyclohexane	0.079	0.028	0.306
Other C6's	0.121	0.051	0.480
Heptanes	0.122	0.051	0.524
Methylcyclohexane	0.064	0.026	0.290
2,2,4 Trimethylpentane	0.010	0.005	0.053
Benzene	0.051	0.015	0.184
Toluene	0.035	0.012	0.149
Ethylbenzene	0.003	0.001	0.015
Xylenes	0.007	0.003	0.034
Octanes Plus	<u>0.078</u>	<u>0.040</u>	<u>0.425</u>
Totals	100.000	6.326	100.000

**Real Characteristics Of Octanes Plus:**

Specific Gravity ----- 4.092 (Air=1)  
Molecular Weight ----- 118.07  
Gross Heating Value ----- 6206 BTU/CF

**Real Characteristics Of Total Sample:**

Specific Gravity ----- 0.752 (Air=1)  
Compressibility (Z) ----- 0.9962  
Molecular Weight ----- 21.70  
Gross Heating Value  
Dry Basis ----- 1289 BTU/CF  
Saturated Basis ----- 1267 BTU/CF

September 7, 2022

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

**For:** Marathon Oil Permian, LLC  
 5555 San Felipe Street  
 Houston, Texas 77056

**Sample:** Abe State 2H Unit 2 Central Tank Battery  
 First Stage Separator Hydrocarbon Liquid  
 Sampled @ 65 psig & 96 °F

Date Sampled: 08/17/2022

Job Number: 222849.002

**CHROMATOGRAPH EXTENDED ANALYSIS - GPA 2186-M**

COMPONENT	MOL %	LIQ VOL %	WT %
Nitrogen	0.030	0.005	0.005
Carbon Dioxide	0.016	0.004	0.004
Methane	1.456	0.369	0.136
Ethane	1.730	0.692	0.302
Propane	3.607	1.485	0.923
Isobutane	1.028	0.503	0.347
n-Butane	4.079	1.922	1.376
2,2 Dimethylpropane	0.024	0.014	0.010
Isopentane	2.145	1.173	0.898
n-Pentane	3.090	1.674	1.294
2,2 Dimethylbutane	0.061	0.038	0.030
Cyclopentane	0.000	0.000	0.000
2,3 Dimethylbutane	0.626	0.383	0.313
2 Methylpentane	1.385	0.859	0.693
3 Methylpentane	0.853	0.521	0.427
n-Hexane	2.192	1.348	1.097
Heptanes Plus	<u>77.678</u>	<u>89.010</u>	<u>92.146</u>
Totals:	100.000	100.000	100.000

**Characteristics of Heptanes Plus:**

Specific Gravity -----	0.8449 (Water=1)
°API Gravity -----	35.97 @ 60°F
Molecular Weight -----	204.4
Vapor Volume -----	12.79 CF/Gal
Weight -----	7.04 Lbs/Gal

**Characteristics of Total Sample:**

Specific Gravity -----	0.8162 (Water=1)
°API Gravity -----	41.87 @ 60°F
Molecular Weight -----	172.3
Vapor Volume -----	14.66 CF/Gal
Weight -----	6.80 Lbs/Gal

Base Conditions: 15.025 PSI &amp; 60 °F

Certified: FESCO, Ltd. - Alice, Texas

Sampled By: (24) B. Bayless  
 Analyst: JG  
 Processor: HHdjv  
 Cylinder ID: W-4274

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 Conan Pierce 361-661-7015

FESCO, Ltd.

Job Number: 222849.002

**TANKS DATA INPUT REPORT - GPA 2186-M**

COMPONENT	Mol %	LiqVol %	Wt %
Carbon Dioxide	0.016	0.004	0.004
Nitrogen	0.030	0.005	0.005
Methane	1.456	0.369	0.136
Ethane	1.730	0.692	0.302
Propane	3.607	1.485	0.923
Isobutane	1.028	0.503	0.347
n-Butane	4.103	1.936	1.386
Isopentane	2.145	1.173	0.898
n-Pentane	3.090	1.674	1.294
Other C-6's	2.925	1.801	1.463
Heptanes	8.725	5.132	4.620
Octanes	10.751	7.165	6.591
Nonanes	5.210	4.144	3.831
Decanes Plus	45.395	68.568	72.913
Benzene	1.648	0.690	0.747
Toluene	3.042	1.523	1.627
E-Benzene	0.695	0.401	0.428
Xylenes	1.658	0.956	1.022
n-Hexane	2.192	1.348	1.097
2,2,4 Trimethylpentane	<u>0.554</u>	<u>0.431</u>	<u>0.368</u>
Totals:	100.000	100.000	100.000

**Characteristics of Total Sample:**

Specific Gravity -----	0.8162	(Water=1)
°API Gravity -----	41.87	@ 60°F
Molecular Weight-----	172.3	
Vapor Volume -----	14.66	CF/Gal
Weight -----	6.80	Lbs/Gal

**Characteristics of Decanes (C10) Plus:**

Specific Gravity -----	0.8679	(Water=1)
Molecular Weight-----	276.7	

**Characteristics of Atmospheric Sample:**

°API Gravity -----	39.80	@ 60°F
Reid Vapor Pressure Equivalent (D-6377)-----	8.34	psi

QUALITY CONTROL CHECK		
	Sampling Conditions	Test Samples
Cylinder Number	-----	W-4274* -----
Pressure, PSIG	65	66 -----
Skin Temperature, °F	96	96 -----

\* Sample used for analysis



FESCO, Ltd.

Job Number: 222849.002

**TOTAL EXTENDED REPORT - GPA 2186-M**

COMPONENT	Mol %	LiqVol %	Wt %
Nitrogen	0.030	0.005	0.005
Carbon Dioxide	0.016	0.004	0.004
Methane	1.456	0.369	0.136
Ethane	1.730	0.692	0.302
Propane	3.607	1.485	0.923
Isobutane	1.028	0.503	0.347
n-Butane	4.079	1.922	1.376
2,2 Dimethylpropane	0.024	0.014	0.010
Isopentane	2.145	1.173	0.898
n-Pentane	3.090	1.674	1.294
2,2 Dimethylbutane	0.061	0.038	0.030
Cyclopentane	0.000	0.000	0.000
2,3 Dimethylbutane	0.626	0.383	0.313
2 Methylpentane	1.385	0.859	0.693
3 Methylpentane	0.853	0.521	0.427
n-Hexane	2.192	1.348	1.097
Methylcyclopentane	1.594	0.843	0.779
Benzene	1.648	0.690	0.747
Cyclohexane	3.209	1.633	1.568
2-Methylhexane	0.521	0.362	0.303
3-Methylhexane	0.643	0.441	0.374
2,2,4 Trimethylpentane	0.554	0.431	0.368
Other C-7's	1.251	0.814	0.720
n-Heptane	1.506	1.039	0.876
Methylcyclohexane	4.575	2.750	2.608
Toluene	3.042	1.523	1.627
Other C-8's	4.774	3.342	3.054
n-Octane	1.402	1.074	0.929
E-Benzene	0.695	0.401	0.428
M & P Xylenes	1.192	0.691	0.735
O-Xylene	0.466	0.265	0.287
Other C-9's	4.030	3.151	2.953
n-Nonane	1.180	0.993	0.879
Other C-10's	4.512	3.877	3.700
n-decane	0.936	0.858	0.773
Undecanes(11)	4.219	3.720	3.599
Dodecanes(12)	3.250	3.095	3.037
Tridecanes(13)	3.438	3.511	3.492
Tetradecanes(14)	3.020	3.303	3.330
Pentadecanes(15)	2.657	3.113	3.176
Hexadecanes(16)	2.095	2.623	2.699
Heptadecanes(17)	1.863	2.467	2.563
Octadecanes(18)	1.779	2.480	2.592
Nonadecanes(19)	1.692	2.458	2.583
Eicosanes(20)	1.266	1.911	2.021
Heneicosanes(21)	1.146	1.820	1.935
Docosanes(22)	1.052	1.741	1.862
Tricosanes(23)	0.927	1.590	1.710
Tetracosanes(24)	0.834	1.483	1.602
Pentacosanes(25)	0.838	1.545	1.677
Hexacosanes(26)	0.621	1.187	1.294
Heptacosanes(27)	0.667	1.322	1.447
Octacosanes(28)	0.594	1.216	1.337
Nonacosanes(29)	0.568	1.202	1.325
Triacotanes(30)	0.501	1.094	1.211
Hentriacotanes Plus(31+)	<u>6.923</u>	<u>20.951</u>	<u>23.948</u>
Total	100.000	100.000	100.000

Flaring/Venting Event Volume (MCF):	59
Flare or vent:	Flare
Date:	4/6/2023
Time discovered:	1:30 PM
Time terminated:	3:30 PM
Total Duration (hrs):	2:00

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**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  
  
Action 206788

DEFINITIONS

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID: 372098
	Action Number: 206788
	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"><li>• this application's operator, hereinafter "this operator";</li><li>• venting and/or flaring, hereinafter "vent or flare";</li><li>• any notification or report(s) of the C-129 form family, hereinafter "any C-129 forms";</li><li>• the statements in (and/or attached to) this, hereinafter "the statements in this";</li><li>• and the past tense will be used in lieu of mixed past/present tense questions and statements.</li></ul>
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**District I**1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720**District II**811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720**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**

QUESTIONS

Action 206788

**QUESTIONS**

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID: 372098
	Action Number: 206788
	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	[30-025-42066] ABE STATE #002H
Incident Facility	Unavailable.

**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 <b>ANY</b> 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 within 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	71
Nitrogen (N2) percentage, if greater than one percent	3
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (CO2) percentage, if greater than one percent	0
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 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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**District II**  
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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  
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State of New Mexico  
Energy, Minerals and Natural Resources  
Oil Conservation Division  
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Santa Fe, NM 87505

QUESTIONS, Page 2

Action 206788

QUESTIONS (continued)

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID: 372098
	Action Number: 206788
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	04/06/2023
Time vent or flare was discovered or commenced	01:30 PM
Time vent or flare was terminated	03:30 PM
Cumulative hours during this event	2

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: Downhole Well Maintenance   Producing Well   Natural Gas Flared   Released: 59 Mcf   Recovered: 0 Mcf   Lost: 59 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	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	WO rig supervisor was trying to reduce wellhead pressure prior to nipping down the production tree and nipping up the BOP. The pressure reduction was conducted for safety reasons.
Steps taken to limit the duration and magnitude of vent or flare	The WO supervisor did not blow the well down to zero psi but rather limited the blow down period.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	A temporary flare will be attempted to be used. Well blowdown had to be completed for safety reasons and downhole well maintenance.

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ACKNOWLEDGMENTS  
  
Action 206788

ACKNOWLEDGMENTS

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID: 372098
	Action Number: 206788
	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 <b>complete</b> 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 206788

CONDITIONS

Operator: MARATHON OIL PERMIAN LLC 990 Town & Country Blvd. Houston, TX 77024	OGRID: 372098
	Action Number: 206788
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
icastro	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.	4/12/2023