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C6+ Gas Analysis Report

12043G	TF 933	Red Hills 401H	
Sample Point Code	Sample Point Name	Sample Point Location	
Laboratory Services	2022050685	2434	MW - Spot
Source Laboratory	Lab File No	Container Identity	Sampler
USA	USA	USA	New Mexico
District	Area Name	Field Name	Facility Name
Jan 18, 2022 14:00	Jan 18, 2022 14:00	Jan 25, 2022 08:50	Jan 25, 2022
Date Sampled	Date Effective	Date Received	Date Reported
70.00	1,909.00	System Administrator	100 @ 109
Ambient Temp (°F)	Flow Rate (Mcf)	Analyst	Press PSI @ Temp °F Source Conditions
Kaiser Francis	Total Flow Updated: 01-27-22		NG
Operator			Lab Source Description

Component	Normalized Mol %	Un-Normalized Mol %	GPM
H2S (H2S)	0.0000	0	
Nitrogen (N2)	1.0310	1.031	
CO2 (CO2)	0.6460	0.646	
Methane (C1)	70.4040	70.404	
Ethane (C2)	13.3080	13.308	3.5580
Propane (C3)	7.7420	7.742	2.1320
I-Butane (IC4)	1.0850	1.085	0.3550
N-Butane (NC4)	2.8230	2.823	0.8900
I-Pentane (IC5)	0.6910	0.691	0.2530
N-Pentane (NC5)	0.7950	0.795	0.2880
Hexanes Plus (C6+)	1.4750	1.475	0.6400
TOTAL	100.0000	100.0000	8.1160

Method(s): Gas C6+ - GPA 2261, Extended Gas - GPA 2286, Calculations - GPA 2172

Analyzer Information			
Device Type:	Gas Chromatograph	Device Make:	Shimadzu
Device Model:	GC-2014	Last Cal Date:	Jan 24, 2022

Gross Heating Values (Real, BTU/ft³)			
14.696 PSI @ 60.00 Å°F		14.73 PSI @ 60.00 Å°F	
Dry	Saturated	Dry	Saturated
1,408.8	1,385.8	1,412.1	1,389.0000

Calculated Total Sample Properties	
GPA2145-16 *Calculated at Contract Conditions	
Relative Density Real	Relative Density Ideal
0.8326	0.8289
Molecular Weight	
24.0012	

C6+ Group Properties		
Assumed Composition		
C6 - 60.000%	C7 - 30.000%	C8 - 10.000%

Field H2S
0 PPM

PROTREND STATUS: Passed By Validator on Jan 25, 2022
DATA SOURCE: Imported

PASSED BY VALIDATOR REASON:
Close enough to be considered reasonable.

VALIDATOR:
Brooke Rush
VALIDATOR COMMENTS:
OK

RH FP1 WC Flare Meter

Date	Close Reading	Open Reading	Static Pressure Psia	Differential	Gas Flowed
9/27/2021	63092.61	62849.04	0.00	0.00	243.57
9/26/2021	62849.04	62577.27	0.00	0.00	271.77
9/25/2021	62577.27	62132.79	0.00	0.00	444.48
9/24/2021	62132.79	61970.53	0.00	0.00	162.26
9/23/2021	61970.53	61970.53	0.00	0.00	0.00
9/22/2021	61970.53	61970.53	0.00	0.00	0.00
9/21/2021	61970.53	61970.53	0.00	0.00	0.00
9/20/2021	61970.53	61970.53	0.00	0.00	0.00
9/19/2021	61970.53	61970.53	0.00	0.00	0.00
9/18/2021	61970.53	61970.53	0.00	0.00	0.00
9/17/2021	61970.53	61970.53	0.00	0.00	0.00
9/16/2021	61970.53	61970.53	0.00	0.00	0.00
9/15/2021	61970.53	61970.53	0.00	0.00	0.00
9/14/2021	61970.53	61970.50	0.00	0.00	0.03
9/13/2021	61970.50	61969.20	0.00	0.00	1.30
9/12/2021	61969.20	61965.30	0.00	0.00	3.90
9/11/2021	61965.30	61935.70	0.00	0.00	29.60
9/10/2021	61935.70	61918.00	0.00	0.00	17.70
9/9/2021	61918.00	61891.00	0.00	0.00	27.00
9/8/2021	61891.00	61873.40	0.00	0.00	17.60
9/7/2021	61873.40	61856.30	0.00	0.00	17.10
9/6/2021	61856.30	61841.50	0.00	0.00	14.80
9/5/2021	61841.50	61831.20	0.00	0.00	10.30
9/4/2021	61831.20	61821.30	0.00	0.00	9.90
9/3/2021	61821.30	61810.40	0.00	0.00	10.90
9/2/2021	61810.40	61781.50	0.00	0.00	28.90
9/1/2021	61781.50	61765.80	0.00	0.00	15.70
8/31/2021	61765.80	61748.40	0.00	0.00	17.40
8/30/2021	61748.40	61731.80	0.00	0.00	16.60
8/29/2021	61731.80	61714.00	0.00	0.00	17.80
8/28/2021	61714.00	61696.40	0.00	0.00	17.60
8/27/2021	61696.40	61679.10	0.00	0.00	17.30
8/26/2021	61679.10	61664.10	0.00	0.00	15.00
8/25/2021	61664.10	61563.50	0.00	0.00	100.60
8/24/2021	61563.50	61548.70	0.00	0.00	14.80
8/23/2021	61548.70	61534.80	0.00	0.00	13.90
8/22/2021	61534.80	61518.20	0.00	0.00	16.60
8/21/2021	61518.20	61502.40	0.00	0.00	15.80
8/20/2021	61502.40	61486.10	0.00	0.00	16.30
8/19/2021	61486.10	61470.90	0.00	0.00	15.20
8/18/2021	61470.90	61457.10	0.00	0.00	13.80
8/17/2021	61457.10	61445.30	0.00	0.00	11.80
8/16/2021	61445.30	61434.60	0.00	0.00	10.70
8/15/2021	61434.60	61426.00	0.00	0.00	8.60
8/14/2021	61426.00	61421.30	0.00	0.00	4.70

8/13/2021	61421.30	61418.20	0.00	0.00	3.10
8/12/2021	61418.20	61415.90	0.00	0.00	2.30
8/11/2021	61415.90	61414.10	0.00	0.00	1.80
8/10/2021	61414.10	61412.10	0.00	0.00	2.00
8/9/2021	61412.10	61282.50	0.00	0.00	129.60
8/8/2021	61282.50	61262.00	0.00	0.00	20.50
8/7/2021	61262.00	61243.40	0.00	0.00	18.60
8/6/2021	61243.40	60457.30	0.00	0.00	786.10
8/5/2021	60457.30	60420.80	0.00	0.00	36.50
8/4/2021	60420.80	60398.90	0.00	0.00	21.90
8/3/2021	60398.90	60390.60	0.00	0.00	8.30
8/2/2021	60390.60	60323.20	0.00	0.00	67.40
8/1/2021	60323.20	60016.00	0.00	0.00	307.20
7/31/2021	60016.00	60000.80	0.00	0.00	15.20
7/30/2021	60000.80	59945.10	0.00	0.00	55.70
7/29/2021	59945.10	59923.00	0.00	0.00	22.10
7/28/2021	59923.00	59870.80	0.00	0.00	52.20
7/27/2021	59870.80	59848.80	0.00	0.00	22.00
7/26/2021	59848.80	59828.00	0.00	0.00	20.80
7/25/2021	59828.00	59812.30	0.00	0.00	15.70
7/24/2021	59812.30	59669.70	0.00	0.00	142.60
7/23/2021	59669.70	59237.80	0.00	0.00	431.90
7/22/2021	59237.80	59037.90	0.00	0.00	199.90
7/21/2021	59037.90	58117.20	0.00	0.00	920.70
7/20/2021	58117.20	57606.20	0.00	0.00	511.00
7/19/2021	57606.20	57419.00	0.00	0.00	187.20
7/18/2021	57419.00	57406.60	0.00	0.00	12.40
7/17/2021	57406.60	57323.20	0.00	0.00	83.40
7/16/2021	57323.20	57303.70	0.00	0.00	19.50
7/15/2021	57303.70	57289.80	0.00	0.00	13.90
7/14/2021	57289.80	57276.10	0.00	0.00	13.70
7/13/2021	57276.10	57262.20	0.00	0.00	13.90
7/12/2021	57262.20	57249.60	0.00	0.00	12.60
7/11/2021	57249.60	57235.60	0.00	0.00	14.00
7/10/2021	57235.60	56832.10	0.00	0.00	403.50
7/9/2021	56832.10	56771.10	0.00	0.00	61.00
7/8/2021	56771.10	56592.80	0.00	0.00	178.30
7/7/2021	56592.80	56375.60	0.00	0.00	217.20
7/6/2021	56375.60	56318.40	0.00	0.00	57.20
7/5/2021	56318.40	55588.50	0.00	0.00	729.90
7/4/2021	55588.50	54843.80	0.00	0.00	744.70
7/3/2021	54843.80	54161.30	0.00	0.00	682.50
7/2/2021	54161.30	52862.60	0.00	0.00	1,298.70
7/1/2021	52862.60	52721.60	0.00	0.00	141.00
6/30/2021	52721.60	52644.20	0.00	0.00	77.40
6/29/2021	52644.20	51890.90	0.00	0.00	753.30
6/28/2021	51890.90	51685.00	0.00	0.00	205.90
6/27/2021	51685.00	50385.00	0.00	0.00	1,300.00

6/26/2021	50385.00	49573.80	0.00	0.00	811.20
6/25/2021	49573.80	47436.50	0.00	0.00	2,137.30
6/24/2021	47436.50	46804.00	0.00	0.00	632.50
6/23/2021	46804.00	45595.60	0.00	0.00	1,208.40
6/22/2021	45595.60	45108.80	0.00	0.00	486.80
6/21/2021	45108.80	43958.90	0.00	0.00	1,149.90
6/20/2021	43958.90	43678.90	0.00	0.00	280.00
6/19/2021	43678.90	43650.90	0.00	0.00	28.00
6/18/2021	43650.90	43496.70	0.00	0.00	154.20
6/17/2021	43496.70	43454.10	0.00	0.00	42.60
6/16/2021	43454.10	43172.10	0.00	0.00	282.00
6/15/2021	43172.10	42844.50	0.00	0.00	327.60
6/14/2021	42844.50	41936.90	0.00	0.00	907.60
6/13/2021	41936.90	40998.60	0.00	0.00	938.30
6/12/2021	40998.60	40323.80	0.00	0.00	674.80
6/11/2021	40323.80	40189.00	0.00	0.00	134.80
6/10/2021	40189.00	40003.60	0.00	0.00	185.40
6/9/2021	40003.60	39495.60	0.00	0.00	508.00
6/8/2021	39495.60	38777.80	0.00	0.00	717.80
6/7/2021	38777.80	38084.80	0.00	0.00	693.00
6/6/2021	38084.80	37841.20	0.00	0.00	243.60
6/5/2021	37841.20	37829.40	0.00	0.00	11.80
6/4/2021	37829.40	37823.30	0.00	0.00	6.10
6/3/2021	37823.30	37747.30	0.00	0.00	76.00
6/2/2021	37747.30	37660.50	0.00	0.00	86.80
6/1/2021	37660.50	37531.90	0.00	0.00	128.60
5/31/2021	37531.90	37032.10	0.00	0.00	499.80
5/30/2021	37032.10	36500.00	0.00	0.00	532.10
5/29/2021	36500.00	36077.20	0.00	0.00	422.80
5/28/2021	36077.20	35499.70	0.00	0.00	577.50
5/27/2021	35499.70	34980.80	0.00	0.00	518.90
5/26/2021	34980.80	34645.00	0.00	0.00	335.80
5/25/2021	34645.00	33767.70	0.00	0.00	877.30

[illegible]

Released to Imaging: 4/27/2023 12:57:49 PM

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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

DEFINITIONS

Action 211288

DEFINITIONS

Operator: KAISER-FRANCIS OIL CO PO Box 21468 Tulsa, OK 74121146	OGRID: 12361
	Action Number: 211288
	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 211288

QUESTIONS

Operator: KAISER-FRANCIS OIL CO PO Box 21468 Tulsa, OK 74121146	OGRID: 12361
	Action Number: 211288
	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	[fAPP2205546238] RH CTB 1

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	No
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, 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	70
Nitrogen (N2) percentage, if greater than one percent	1
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (CO2) percentage, if greater than one percent	1
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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QUESTIONS, Page 2

Action 211288

QUESTIONS (continued)

Operator: KAISER-FRANCIS OIL CO PO Box 21468 Tulsa, OK 74121146	OGRID: 12361
	Action Number: 211288
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	09/26/2021
Time vent or flare was discovered or commenced	12:01 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: Other Other (Specify) Natural Gas Flared Released: 244 Mcf Recovered: 0 Mcf Lost: 244 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.	False
Please explain reason for why this event was beyond this operator's control	Not answered.
Steps taken to limit the duration and magnitude of vent or flare	None noted
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	None noted

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ACKNOWLEDGMENTS

Action 211288

ACKNOWLEDGMENTS

Operator: KAISER-FRANCIS OIL CO PO Box 21468 Tulsa, OK 74121146	OGRID: 12361
	Action Number: 211288
	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 211288

CONDITIONS

Operator: KAISER-FRANCIS OIL CO PO Box 21468 Tulsa, OK 74121146	OGRID: 12361
	Action Number: 211288
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
yvonned	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.	4/27/2023