



## C6+ Gas Analysis Report

11976G

TF 999

Bell Lake North 227H

Sample Point Code

Sample Point Name

Sample Point Location

Laboratory Services

2022050976

2440

MW - Spot

Source Laboratory

Lab File No

Container Identity

Sampler

USA

USA

USA

New Mexico

District

Area Name

Field Name

Facility Name

Jan 27, 2022 13:00

Jan 27, 2022 13:00

Feb 1, 2022 08:36

Feb 2, 2022

Date Sampled

Date Effective

Date Received

Date Reported

50.00

2,718.00

Torrance

100 @ 85

Ambient Temp (°F)

Flow Rate (Mcf)

Analyst

 Press PSI @ Temp °F  
 Source Conditions

Kaiser Francis

Total Flow Updated: 02-07-22

NG

Operator

Lab Source Description

| Component          | Normalized Mol % | Un-Normalized Mol % | GPM    |
|--------------------|------------------|---------------------|--------|
| H2S (H2S)          | 0.0000           | 0                   |        |
| Nitrogen (N2)      | 1.4610           | 1.46059             |        |
| CO2 (CO2)          | 0.5590           | 0.55886             |        |
| Methane (C1)       | 74.5100          | 74.51169            |        |
| Ethane (C2)        | 13.0920          | 13.09155            | 3.5000 |
| Propane (C3)       | 6.2920           | 6.29192             | 1.7330 |
| I-Butane (IC4)     | 0.8000           | 0.80024             | 0.2620 |
| N-Butane (NC4)     | 1.8240           | 1.82362             | 0.5750 |
| I-Pentane (IC5)    | 0.4090           | 0.40883             | 0.1500 |
| N-Pentane (NC5)    | 0.4440           | 0.44387             | 0.1610 |
| Hexanes Plus (C6+) | 0.6090           | 0.60884             | 0.2640 |
| TOTAL              | 100.0000         | 100.0000            | 6.6450 |

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 |
| 1,298.0000             | 1,276.8   | 1,301.0000            | 1,279.8   |

## Calculated Total Sample Properties

GPA2145-16 \*Calculated at Contract Conditions

Relative Density Real

Relative Density Ideal

0.7633

0.7606

Molecular Weight

22.0278

## C6+ Group Properties

Assumed Composition

C6 - 60.000% C7 - 30.000% C8 - 10.000%

Field H2S

0 PPM

## PROTREND STATUS:

Passed By Validator on Feb 3, 2022

## DATA SOURCE:

Imported

## PASSED BY VALIDATOR REASON:

Close enough to be considered reasonable.

## VALIDATOR:

Luis Cano

## VALIDATOR COMMENTS:

OK

N Pad 18 Flare Meter

| Date       | Close Reading | Open Reading | Static Pressure Psia | Differential | Gas Flowed |
|------------|---------------|--------------|----------------------|--------------|------------|
| 12/25/2022 | 721.43        | 590.59       | 0.00                 | 0.00         | 128.28     |

**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 172961

DEFINITIONS

|                                                                          |                                                        |
|--------------------------------------------------------------------------|--------------------------------------------------------|
| Operator:<br>KAISER-FRANCIS OIL CO<br>PO Box 21468<br>Tulsa, OK 74121146 | OGRID:<br>12361                                        |
|                                                                          | Action Number:<br>172961                               |
|                                                                          | Action Type:<br>[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> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**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 172961

**QUESTIONS**

|                                                                          |                                                        |
|--------------------------------------------------------------------------|--------------------------------------------------------|
| Operator:<br>KAISER-FRANCIS OIL CO<br>PO Box 21468<br>Tulsa, OK 74121146 | OGRID:<br>12361                                        |
|                                                                          | Action Number:<br>172961                               |
|                                                                          | Action Type:<br>[C-129] Venting and/or Flaring (C-129) |

**QUESTIONS**

|                                                                                                                                                                                                   |                              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| <b>Prerequisites</b><br><i>Any messages presented in this section, will prevent submission of this application. Please resolve these issues before continuing with the rest of the questions.</i> |                              |
| Incident Well                                                                                                                                                                                     | Unavailable.                 |
| Incident Facility                                                                                                                                                                                 | [fAPP2234845516] BLUN Pad 18 |

|                                                                                                                                                                                                                                                                                            |                                                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| <b>Determination of Reporting Requirements</b><br><i>Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide additional guidance.</i>                                                                                               |                                                   |
| 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. |
| <i>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.</i>                                                                                     |                                                   |
| Was there <b>at least 50 MCF</b> 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 withing 300 feet from an occupied permanent residence, school, hospital, institution or church in existence                                                                                                             | No                                                |

|                                                           |               |
|-----------------------------------------------------------|---------------|
| <b>Equipment Involved</b>                                 |               |
| Primary Equipment Involved                                | Not answered. |
| Additional details for Equipment Involved. Please specify | Not answered. |

|                                                                                                                                                                    |               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| <b>Representative Compositional Analysis of Vented or Flared Natural Gas</b><br><i>Please provide the mole percent for the percentage questions in this group.</i> |               |
| Methane (CH4) percentage                                                                                                                                           | 75            |
| 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             |
| <i>If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.</i>                               |               |
| 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. |

**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, Page 2  
  
Action 172961

QUESTIONS (continued)

|                                                                          |                                                        |
|--------------------------------------------------------------------------|--------------------------------------------------------|
| Operator:<br>KAISER-FRANCIS OIL CO<br>PO Box 21468<br>Tulsa, OK 74121146 | OGRID:<br>12361                                        |
|                                                                          | Action Number:<br>172961                               |
|                                                                          | Action Type:<br>[C-129] Venting and/or Flaring (C-129) |

QUESTIONS

| Date(s) and Time(s)                            |            |
|------------------------------------------------|------------|
| Date vent or flare was discovered or commenced | 12/24/2022 |
| Time vent or flare was discovered or commenced | 10:50 AM   |
| Time vent or flare was terminated              | 01:50 PM   |
| Cumulative hours during this event             | 3          |

| Measured or Estimated Volume of Vented or Flared Natural Gas              |                                                                                                                         |
|---------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Natural Gas Vented (Mcf) Details                                          | Not answered.                                                                                                           |
| Natural Gas Flared (Mcf) Details                                          | Cause: High Line Pressure   Pipeline (Any)   Natural Gas Flared   Released: 128 Mcf   Recovered: 0 Mcf   Lost: 128 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            | Yes                                       |
| Was notification of downstream activity received by this operator | No                                        |
| Downstream OGRID that should have notified this operator          | [258315] MARKWEST ENERGY OPERATING CO 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                                                      | Intermittent HLP was beyond our control                         |
| Steps taken to limit the duration and magnitude of vent or flare                                                                 | Curtailed production and/or shut-in wells                       |
| Corrective actions taken to eliminate the cause and reoccurrence of vent or flare                                                | Ongoing effort with downstream partners to increase reliability |

**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**

ACKNOWLEDGMENTS

Action 172961

**ACKNOWLEDGMENTS**

|                                                                          |                                                        |
|--------------------------------------------------------------------------|--------------------------------------------------------|
| Operator:<br>KAISER-FRANCIS OIL CO<br>PO Box 21468<br>Tulsa, OK 74121146 | OGRID:<br>12361                                        |
|                                                                          | Action Number:<br>172961                               |
|                                                                          | Action Type:<br>[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.                                                                                                                          |

**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

CONDITIONS

Action 172961

CONDITIONS

|                                                                          |                                                        |
|--------------------------------------------------------------------------|--------------------------------------------------------|
| Operator:<br>KAISER-FRANCIS OIL CO<br>PO Box 21468<br>Tulsa, OK 74121146 | OGRID:<br>12361                                        |
|                                                                          | Action Number:<br>172961                               |
|                                                                          | Action Type:<br>[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. | 1/5/2023       |