



Certificate of Analysis

Number: 6030-23120137-004A

Artesia Laboratory

200 E Main St.
Artesia, NM 88210
Phone 575-746-3481John Wierzowiecki
Flatcreek Resources
777 Main St Suite 3600
Fort Worth, TX 76102

Dec. 27, 2023

Station Name: Phantom Bank 31 CDP

Station Number: 016054601

Station Location: Flat Creek

Sample Point: Meter Run

Instrument: 70104251 (Inficon GC-MicroFusion)

Last Inst. Cal.: 12/18/2023 0:00 AM

Analyzed: 12/21/2023 11:43:30 by EBH

Sampled By: Andres T

Sample Of: Gas Spot

Sample Date: 12/12/2023

Sample Conditions: 122 psig, @ 69.7 °F Ambient: 58 °F

Effective Date: 12/12/2023

Flow Rate: 1815.7 MSCFD

Method: GPA-2261M

Cylinder No: 5030-04986

Analytical Data

| Components | Un-normalized Mol % | Mol. % | Wt. % | GPM at 14.696 psia | | |
|----------------|------------------------|----------|----------|-----------------------|----------------|-------|
| Nitrogen | 1.2827 | 1.2813 | 1.6609 | | GPM TOTAL C2+ | 5.957 |
| Methane | 77.3313 | 77.2443 | 57.3426 | | GPM TOTAL C3+ | 2.930 |
| Carbon Dioxide | 0.6770 | 0.6762 | 1.3771 | | GPM TOTAL iC5+ | 0.649 |
| Ethane | 11.3186 | 11.3059 | 15.7312 | 3.027 | | |
| Propane | 5.2893 | 5.2834 | 10.7807 | 1.457 | | |
| Iso-butane | 0.7858 | 0.7849 | 2.1110 | 0.257 | | |
| n-Butane | 1.7969 | 1.7949 | 4.8275 | 0.567 | | |
| Iso-pentane | 0.4174 | 0.4169 | 1.3919 | 0.153 | | |
| n-Pentane | 0.4628 | 0.4623 | 1.5434 | 0.168 | | |
| Hexanes Plus | 0.7507 | 0.7499 | 3.2337 | 0.328 | | |
| | 100.1125 | 100.0000 | 100.0000 | 5.957 | | |

Calculated Physical Properties

Relative Density Real Gas

Total

0.7487

C6+

3.2176

Calculated Molecular Weight

21.61

93.19

Compressibility Factor

0.9962

GPA 2172 Calculation:

Calculated Gross BTU per ft³ @ 14.696 psia & 60°F

Real Gas Dry BTU

1276

5129

Water Sat. Gas Base BTU

1254

5040

Ideal, Gross HV - Dry at 14.696 psia

1270.9

5129.2

Ideal, Gross HV - Wet

1248.8

5039.7

Hydrocarbon Laboratory Manager

Quality Assurance:

The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.

| FLARE REPORT | | | | | | | | | |
|-----------------------|----------------------|-----------|---|--------------|-----------------------|------------|-------------|-------------|------------|
| 2/26/2024 - 2/29/2024 | | | | | | | | | |
| Date | | Stop Name | Meter Name | Flare Volume | Flare Reason | Begin | End | Begin | End |
| 2/26/24 | PHANTOM BANK BATTERY | | PHANTOM BANK BATTERY HP Flare Gas Meter | 0.00 | | | | | |
| 2/27/24 | PHANTOM BANK BATTERY | | PHANTOM BANK BATTERY HP Flare Gas Meter | 0.00 | | | | | |
| 2/28/24 | PHANTOM BANK BATTERY | | PHANTOM BANK BATTERY HP Flare Gas Meter | 0.00 | | | | | |
| 2/29/24 | PHANTOM BANK BATTERY | | PHANTOM BANK BATTERY HP Flare Gas Meter | 253.00 | Pig stuck in pipeline | 9:37:00 PM | 10:32:00 PM | 11:07:00 PM | 2:05:00 AM |
| | | | | | | 28-Feb | 28/28 | 28-Feb | 29-Feb |
| | | | | | | 0.92 | hr | 2.97 | hr |
| | | | | | | 3.89 | hr | total | |

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 319323

DEFINITIONS

| | |
|--|---|
| Operator: Flat Creek Resources, LLC 777 Main St. Fort Worth, TX 76102 | OGRID: 374034 |
| | Action Number: 319323 |
| | Action Type: [C-129] Amend Venting and/or Flaring (C-129A) |

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. |
|--|

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 319323

QUESTIONS

| | |
|--|---|
| Operator: Flat Creek Resources, LLC 777 Main St. Fort Worth, TX 76102 | OGRID: 374034 |
| | Action Number: 319323 |
| | Action Type: [C-129] Amend Venting and/or Flaring (C-129A) |

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 ID (n#) | Unavailable. |
| Incident Name | Unavailable. |
| Incident Type | Flare |
| Incident Status | Unavailable. |
| Incident Facility | [fAPP2316446533] PHANTOM BANK 31 FED COM |

Only valid Vent, Flare or Vent with Flaring incidents (selected above in the Application Details section) that are assigned to your current operator can be amended with this C-129A application.

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 within 300 feet from an occupied permanent residence, school, hospital, institution or church in existence | No |

Equipment Involved

| | |
|---|----------------|
| Primary Equipment Involved | Pipeline (Any) |
| 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 | 77 |
| 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. |

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 319323

QUESTIONS (continued)

| | |
|--|----------------|
| Operator: Flat Creek Resources, LLC 777 Main St. Fort Worth, TX 76102 | OGRID: |
| | 374034 |
| | Action Number: |
| | 319323 |
| Action Type: | |
| [C-129] Amend Venting and/or Flaring (C-129A) | |

QUESTIONS

| | |
|--|------------|
| Date(s) and Time(s) | |
| Date vent or flare was discovered or commenced | 02/28/2024 |
| Time vent or flare was discovered or commenced | 09:37 PM |
| Time vent or flare was terminated | 02:05 AM |
| Cumulative hours during this event | 4 |

| | |
|---|---|
| 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: 253 Mcf Recovered: 0 Mcf Lost: 253 Mcf. |
| Other Released Details | Cause: Other (Specify) Released: 0 (Unknown Released Amount) Recovered: 0 Lost: 0 |
| Additional details for Measured or Estimated Volume(s). Please specify | Measured by electronic flow meter. |
| 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 | [330842] DBM PIPELINE, LLC |
| Date notified of downstream activity requiring this vent or flare | |
| 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 | Gas pipeline operator was pigging line. Pig became stuck. No notification of operations was given. |
| Steps taken to limit the duration and magnitude of vent or flare | Event was over before operator could return to the area. |
| Corrective actions taken to eliminate the cause and reoccurrence of vent or flare | None. |

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 319323

ACKNOWLEDGMENTS

| | |
|--|---|
| Operator: Flat Creek Resources, LLC 777 Main St. Fort Worth, TX 76102 | OGRID: 374034 |
| | Action Number: 319323 |
| | Action Type: [C-129] Amend Venting and/or Flaring (C-129A) |

ACKNOWLEDGMENTS

| | |
|-------------------------------------|---|
| <input checked="" type="checkbox"/> | I acknowledge that with this application I will be amending an existing incident file (assigned to this operator) for a vent or flare event, pursuant to 19.15.27 and 19.15.28 NMAC. |
| <input checked="" type="checkbox"/> | I acknowledge that amending an incident file does not replace original submitted application(s) or information and understand that any C-129 forms submitted to the OCD will be logged and stored as public record. |
| <input checked="" type="checkbox"/> | I hereby certify the statements in this amending 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 319323

CONDITIONS

| | |
|--|---|
| Operator: Flat Creek Resources, LLC 777 Main St. Fort Worth, TX 76102 | OGRID: 374034 |
| | Action Number: 319323 |
| | Action Type: [C-129] Amend Venting and/or Flaring (C-129A) |

CONDITIONS

| Created By | Condition | Condition Date |
|---------------|--|----------------|
| jwierzowiecki | If the information provided in this report requires further amendment(s), submit a [C-129] Amend Venting and/or Flaring Incident (C-129A), utilizing your incident number from this event. | 3/1/2024 |