



Certificate of Analysis

Number: 6030-21080194-010A

Artesia Laboratory

200 E Main St.
Artesia, NM 88210
Phone 575-746-3481

Alex Batista
Taprock
602 Park Point Drive
Ste. 200
Golden, CO 80401

Aug. 25, 2021

Station Name: Yada Fed Com 135
Station Number: 7060303
Sample Point: Meter run
Formation: Spot
County: Lea
Type of Sample: Spot-Cylinder
Heat Trace Used: N/A
Sampling Method: Fill and Purge
Sampling Company: SPL

Sampled By: James Hill
Sample Of: Gas Spot
Sample Date: 08/17/2021 10:45
Sample Conditions: 139.8 psig, @ 128.6 °F Ambient: 90 °F
Effective Date: 08/17/2021 10:45
Method: GPA-2261M
Cylinder No: 5030-02476
Instrument: 70104124 (Inficon GC-MicroFusion)
Last Inst. Cal.: 07/08/2021 0:00 AM
Analyzed: 08/24/2021 09:52:07 by KNF

Analytical Data

| Components | Un-normalized Mol % | Mol. % | Wt. % | GPM at 14.73 psia |
|------------------|------------------------|-----------|---------|----------------------|
| Hydrogen Sulfide | NIL | 0.20000 | 0.290 | |
| Nitrogen | 1.282 | 1.29614 | 1.546 | |
| Carbon Dioxide | 1.424 | 1.43976 | 2.698 | |
| Methane | 71.822 | 72.64287 | 49.632 | |
| Ethane | 11.270 | 11.39915 | 14.597 | 3.062 |
| Propane | 6.652 | 6.72799 | 12.635 | 1.862 |
| Iso-Butane | 1.011 | 1.02245 | 2.531 | 0.336 |
| n-Butane | 2.447 | 2.47455 | 6.125 | 0.783 |
| Iso-Pentane | 0.763 | 0.77151 | 2.371 | 0.283 |
| n-Pentane | 0.705 | 0.71326 | 2.192 | 0.260 |
| Hexanes | 0.612 | 0.61889 | 2.271 | 0.256 |
| Heptanes | 0.468 | 0.47294 | 2.018 | 0.219 |
| Octanes | 0.182 | 0.18448 | 0.897 | 0.095 |
| Nonanes Plus | 0.036 | 0.03601 | 0.197 | 0.020 |
| | 98.674 | 100.00000 | 100.000 | 7.176 |

| Calculated Physical Properties | Total | C9+ |
|--------------------------------|--------|--------|
| Calculated Molecular Weight | 23.48 | 128.26 |
| Compressibility Factor | 0.9955 | |
| Relative Density Real Gas | 0.8141 | 4.4283 |

GPA 2172 Calculation:

Calculated Gross BTU per ft³ @ 14.73 psia & 60°F

| | | |
|-------------------------------------|--------|--------|
| Real Gas Dry BTU | 1358.2 | 7012.5 |
| Water Sat. Gas Base BTU | 1335.1 | 6890.4 |
| Ideal, Gross HV - Dry at 14.73 psia | 1352.0 | 7012.5 |
| Ideal, Gross HV - Wet | 1328.5 | 6890.4 |

Comments: H2S Field Content 2000 ppm
CO2 1.3%
Mcf/dady 2179.5

Data reviewed by: Eric Ramirez, Analyst

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

Flaring Summary

date

Data table:
flare_report_data (2)

Colors:

All values

| battery | 8/12/2021 |
|-------------|-----------|
| Yada CTB B | 177.00 |
| Grand total | 177.00 |

battery

Sum(TOTAL FLARE (HP + LP))

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 45066

QUESTIONS

| | |
|--|--|
| Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401 | OGRID: 372043 |
| | Action Number: 45066 |
| | Action Type: [C-129] Venting and/or Flaring (C-129) |

QUESTIONS

| | |
|---|---------------------------------------|
| Prerequisites | |
| <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 | [30-025-48253] YADA FEDERAL COM #135H |
| Incident Facility | Not answered. |

| | |
|--|---|
| Determination of Reporting Requirements | |
| <i>Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide additional guidance.</i> | |
| Was or is this venting and/or flaring caused by an emergency or malfunction | No |
| Did or will this venting and/or flaring last eight hours or more cumulatively within any 24-hour period from a single event | No |
| Is this considered a submission for a notification of a major venting and/or flaring | 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 or will there be at least 50 MCF of natural gas vented and/or flared during this event | Yes |
| Did this venting and/or flaring 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 venting and/or flaring 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 | |
| <i>Please provide the mole percent for the percentage questions in this group.</i> | |
| Methane (CH4) percentage | 72 |
| 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. |

| | |
|---|------------|
| Date(s) and Time(s) | |
| Date venting and/or flaring was discovered or commenced | 08/11/2021 |
| Time venting and/or flaring was discovered or commenced | 06:00 AM |
| Time venting and/or flaring was terminated | 06:00 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: Initial Flowback Producing Well Natural Gas Flared Released: 177 Mcf Recovered: 0 Mcf Lost: 177 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 or is this venting and/or flaring a result of downstream activity | Not answered. |
| Date notified of downstream activity requiring this venting and/or flaring | Not answered. |
| Time notified of downstream activity requiring this venting and/or flaring | Not answered. |

Steps and Actions to Prevent Waste

| | |
|--|--|
| For this event, the operator could not have reasonably anticipated the current event and it was beyond the operator's control. | False |
| Please explain reason for why this event was beyond your operator's control | Not answered. |
| Steps taken to limit the duration and magnitude of venting and/or flaring | This location is on initial flowback. Once initial flowback has concluded and all gas goes to facility, this location will restore to regulated volumes. |
| Corrective actions taken to eliminate the cause and reoccurrence of venting and/or flaring | This location is on initial flowback. Once initial flowback has concluded and all gas goes to facility, this location will restore to regulated volumes. |

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CONDITIONS
 Action 45066

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| | Action Number: 45066 |
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CONDITIONS

| Created By | Condition | Condition Date |
|------------|--|----------------|
| bramsey | 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. | 8/30/2021 |