

**Kiva Measuring Sales & Service Inc.**

(970) 245-7106

GPA 2172-09/API 14.5 Report with GPA 2145-16 Physical Properties

**Sample Information**

|                                  | Sample Information             |
|----------------------------------|--------------------------------|
| Sample Name                      | Horseshoe Gallup 18-8H         |
| Analyzer Type                    | Portable Gas Chromatograph     |
| Analyzer Make & Model (SN:)      | ABB NGC8206 (32000398)         |
| Last Calibration/Validation Date | 06/18/2021                     |
| Atmospheric Pressure             | 12                             |
| Flow Rate (MCFD)                 | 5                              |
| Air Temperature (Deg. F)         | 83                             |
| Heat Tracing                     | Yes                            |
| Type of Sample                   | spot -Portable GC              |
| Company Collecting Sample        | Kiva Measuring                 |
| Hexanes+ Split                   | 60% C6, 30% C7, 10% C8         |
| Operator                         | RL Bayless                     |
| Injection Date                   | 2021-06-24 08:44:00            |
| Report Date                      | 2021-06-24 09:03:57            |
| Results ID Number                | 3393                           |
| NGA Phys. Property Data Source   | GPA Standard 2145-16 (FPS)     |
| Data Source                      | Recalled from Results Database |

**Component Results**

| Component Name | Peak Area   | Raw Amount | Response Factor | Norm Mole% | Gross HV (Dry) (BTU / Ideal cu.ft.) | Relative Gas Density (Dry) | GPM (Dry) (Gal. / 1000 cu.ft.) |
|----------------|-------------|------------|-----------------|------------|-------------------------------------|----------------------------|--------------------------------|
| Nitrogen       | 8595995.7   | 3.8455     | 0.00000045      | 3.8288     | 0.0                                 | 0.03703                    | 0.423                          |
| Carbon Dioxide | 813321.7    | 0.2959     | 0.00000036      | 0.2946     | 0.0                                 | 0.00448                    | 0.050                          |
| Methane        | 138436013.0 | 76.1239    | 0.00000055      | 75.7934    | 767.3                               | 0.41982                    | 12.895                         |
| Ethane         | 25831648.0  | 8.4135     | 0.00000033      | 8.3770     | 148.6                               | 0.08697                    | 2.248                          |
| Propane        | 28821495.0  | 7.0419     | 0.00000024      | 7.0113     | 176.8                               | 0.10675                    | 1.938                          |
| n-Butane       | 10642146.7  | 2.2766     | 0.00000021      | 2.2667     | 74.1                                | 0.04549                    | 0.717                          |
| I-Butane       | 3436601.7   | 0.7236     | 0.00000021      | 0.7205     | 23.5                                | 0.01446                    | 0.237                          |
| n-Pentane      | 3214038.7   | 0.5649     | 0.00000018      | 0.5624     | 22.6                                | 0.01401                    | 0.205                          |
| I-Pentane      | 2785016.7   | 0.4930     | 0.00000018      | 0.4909     | 19.7                                | 0.01223                    | 0.180                          |
| Hexanes Plus   | 5080560.3   | 0.6572     | 0.00000013      | 0.6544     | 33.6                                | 0.02105                    | 0.285                          |
| Total:         |             | 100.4361   |                 | 100.0000   | 1266.2                              | 0.76229                    | 19.178                         |

**Results Summary**

| Result                                   | Dry      |
|------------------------------------------|----------|
| Total Un-Normalized Mole%                | 100.4361 |
| Pressure Base (psia)                     | 14.730   |
| Temperature Base (Deg. F)                | 60.00    |
| Flowing Temperature (Deg. F)             | 85.0     |
| Flowing Pressure (psia)                  | 15.0     |
| Gross Heating Value (BTU / Ideal cu.ft.) | 1266.2   |
| Gross Heating Value (BTU / Real cu.ft.)  | 1271.0   |
| Relative Density (G), Real               | 0.7649   |
| Compressibility (Z) Factor               | 0.9962   |

**Monitored Parameter Report**

| Parameter             | Value    | Lower Limit | Upper Limit | Status |
|-----------------------|----------|-------------|-------------|--------|
| Total Raw Mole% (Dry) | 100.4361 | 97.0000     | 103.0000    | Pass   |

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
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District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-129  
Revised May 13, 2020

Submit one copy to appropriate  
District Office

NFO Permit No. \_\_\_\_\_  
(For Division Use Only)

# APPLICATION FOR EXCEPTION TO NO-FLARE RULE 19.15.18.12

(See Rule 19.15.18.12 NMAC and Rule 19.15.7.37 NMAC)

- A. Applicant Robert L. Bayless, Producer LLC,  
whose address is 621 17<sup>th</sup> Street, Suite 2300, Denver CO 80293,  
hereby requests an exception to Rule 19.15.18.12 for 30 days or until  
July 23, Yr 2021, for the following described tank battery (or LACT):  
Name of Lease Horseshoe Gallup 18-8H Name of Pool Horseshoe Gallup  
Location of Battery: Unit Letter H Section 19 Township 30N Range 15W  
Number of wells producing into battery 2
- B. Based upon oil production of 0 barrels per day, the estimated \* volume  
of gas to be flared is 65 (metered) MCF; Value 65 mcf per day.
- C. Name and location of nearest gas gathering facility:  
Exists next to well pad. Gas must meet gathering line specs.
- D. Distance 10 ft. Estimated cost of connection exists
- E. Confirmed compliance with conditions required by New Mexico State Forestry's issuance of Order 2020-01  
SMOKING, FIREWORK, CAMPFIRE, AND OPEN FIRE RESTRICTIONS FOR NEW MEXICO issued May 13,  
2020 (Circle one) Yes No
- F. This exception is requested for the following reasons: Wells were shut in due to gas gathering  
pipeline closure. Pipeline has new owner and new specifications. Modified equipment on  
well pad to treat gas to specifications. Flaring gas and collecting gas samples until specs are  
met, then flaring of production gas won't be necessary.

## OPERATOR

I hereby certify that the rules and regulations of the Oil Conservation  
Division have been complied with and that the information given above  
is true and complete to the best of my knowledge and belief.

Signature Helen Trujillo

Printed Name & Title Helen Trujillo / Prod & Reg Analyst

E-mail Address notices@rlbayless.com

Date 06/24/2021 Telephone No. (505) 564-7801

## OIL CONSERVATION DIVISION

Approved Until \_\_\_\_\_

By \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

**District I**

1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720

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Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**

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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 33307

**QUESTIONS**

|                                                                                               |                                                        |
|-----------------------------------------------------------------------------------------------|--------------------------------------------------------|
| Operator:<br>ROBERT L BAYLESS PRODUCER LLC<br>621 17th Street, Suite 2300<br>Denver, CO 80293 | OGRID:<br>150182                                       |
|                                                                                               | Action Number:<br>33307                                |
|                                                                                               | Action Type:<br>[C-129] Venting and/or Flaring (C-129) |

**QUESTIONS****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 or is this venting or flaring caused by an emergency or malfunction                                                                                                                                                                                                                  | No                                            |
| Did or will this venting or flaring last eight hours or more cumulatively within any 24-hour period from a single event                                                                                                                                                                  | Yes                                           |
| Is this considered a submission for a notification of a major venting or flaring                                                                                                                                                                                                         | Yes, minor venting or flaring of natural gas. |
| The operator shall file a form C-141 instead of a form C-129 for a release that includes liquid during venting or flaring that is or may be a major or minor release under 19.13.297 NMAC                                                                                                |                                               |
| Was there or will there be at least 50 MCF of natural gas vented or flared during this event                                                                                                                                                                                             | Yes                                           |
| Did this venting 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                                            |

**Unregistered Facility Site**

Please provide the facility details, if the venting or flaring occurred or is occurring at a facility that does not have an Facility ID (##) yet.

|                       |               |
|-----------------------|---------------|
| Facility or Site Name | Not answered. |
| Facility Type         | Not answered. |

**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                                                                                                      | 76            |
| Nitrogen (N2) percentage, if greater than one percent                                                                         | 4             |
| 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. |

**Date(s) and Time(s)**

|                                                                                     |               |
|-------------------------------------------------------------------------------------|---------------|
| Date venting or flaring was discovered or commenced                                 | 06/22/2021    |
| Time venting or flaring was discovered or commenced                                 | 10:00 AM      |
| Is the venting or flaring event complete                                            | No            |
| Date venting or flaring was terminated                                              | Not answered. |
| Time venting or flaring was terminated                                              | Not answered. |
| Total duration of venting or flaring in hours, if venting or flaring has terminated | Not answered. |
| Longest duration of cumulative hours within any 24-hour period during this event    | 10            |

**Measured or Estimated Volume of Vented or Flared Natural Gas**

|                                                                        |                                                                                                                                                                                                                                                                                                                                                    |
|------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Natural Gas Vented (Mcf) Details                                       | Not answered.                                                                                                                                                                                                                                                                                                                                      |
| Natural Gas Flared (Mcf) Details                                       | Cause: Repair and Maintenance   Other (Specify)   Natural Gas Flared   Spilled: 65 Mcf   Recovered: 0 Mcf   Lost: 65 Mcf ]                                                                                                                                                                                                                         |
| Other Released Details                                                 | Not answered.                                                                                                                                                                                                                                                                                                                                      |
| Additional details for Measured or Estimated Volume(s). Please specify | Doing well startup with new pipeline operator with new specifications, particularly reducing water content. Put in processing equipment to process gas. 06/22/2021, est 45 mcf flared, 06/23/2021, est 45 mcf flared, 06/24/2021 - temp flare meter calibrated-est 65 mcf flared. Well stacked out, has rig, now well SI at least until 06/28/2021 |
| Is this a gas only submission (i.e. only 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 or flaring a result of downstream activity      | No            |
| Date notified of downstream activity requiring this venting or flaring | Not answered. |
| Time notified of downstream activity requiring this venting 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. | True                                                   |
| Please explain reason for why this event was beyond your operator's control                                                    | Startup process                                        |
| Steps taken to limit the duration and magnitude of venting or flaring                                                          | Working on system and someone present 100% of duration |
| Corrective actions taken to eliminate the cause and reoccurrence of venting or flaring                                         | n/a - startup of well                                  |

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CONDITIONS

Action 33307

## CONDITIONS

|                                                                                               |                                                        |
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|                                                                                               | Action Number:<br>33307                                |
|                                                                                               | Action Type:<br>[C-129] Venting and/or Flaring (C-129) |

## CONDITIONS

| Created By | Condition                                                                                                                                                                            | Condition Date |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| system     | If the information provided in this report requires an amendment, submit a [C-129] Request to Amend Venting and/or Flaring Incident, utilizing your incident number from this event. | 6/25/2021      |