

**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 94.25 (metered) MCF; Value 94.25 mcf per day.
- C. Name and location of nearest gas gathering facility: Well repaired, flaring gas  
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 06/28/2021 Telephone No. (505) 564-7801

## OIL CONSERVATION DIVISION

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

By \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

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**District III**

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**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 34859

**QUESTIONS**

Operator: ROBERT L BAYLESS PRODUCER LLC 621 17th Street, Suite 2300 Denver, CO 80293	OGRID: 150182 Action Number: 34859 Action Type: [C-129] Venting and/or Flaring (C-129)
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**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 19.13.29.7 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	06/28/2021
Time venting or flaring was discovered or commenced	09:30 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	14

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

Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Cause: Repair and Maintenance   Other (Specify)   Natural Gas Flared   Spilled: 94 Mcf   Recovered: 0 Mcf   Lost: 94 Mcf
Additional details for Measured or Estimated Volume(s). Please specify	Doing well startup with new pipeline operator with new specifications, particularly reducing water content. Rig repaired well, turned on wells, flared 94.25 mcf on 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 34859

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Operator: ROBERT L BAYLESS PRODUCER LLC 621 17th Street, Suite 2300 Denver, CO 80293	OGRID: 150182
	Action Number: 34859
	Action Type: [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.	7/2/2021