



2030 Afton Place
Farmington, NM 87401
(505) 325-6622

Analysis No: RL2021003
Cust No: 14100-14250

Well/Lease Information

Customer Name: ROBERT L. BAYLESS, INC.
Well Name: HORSESHOE GALLUP WELLS
County/State: SAN JUAN NM
Location:
Lease/PA/CA:
Formation:
Cust. Stn. No.:

Source: METER RUN
Well Flowing: Y
Pressure: 204 PSIG
Flow Temp: DEG. F
Ambient Temp: 62 DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Sample Date: 06/29/2021
Sample Time: 7.56 AM
Sampled By: Sean C.
Sampled by (CO): RL BAYLESS

Heat Trace: N
Remarks: H2S - 0ppm, O2 - 0.6ppm, H2O - >3lbs/mmcsfd

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	3.0731	3.0870	0.3390	0.00	0.0297
CO2	0.3592	0.3608	0.0610	0.00	0.0055
Methane	80.7352	81.0996	13.7250	815.43	0.4472
Ethane	8.9079	8.9481	2.3890	157.64	0.0925
Propane	5.3893	5.4136	1.4890	135.60	0.0821
Iso-Butane	0.3790	0.3807	0.1240	12.32	0.0076
N-Butane	0.9538	0.9581	0.3020	31.12	0.0191
I-Pentane	0.0987	0.0991	0.0360	3.95	0.0025
N-Pentane	0.0594	0.0597	0.0220	2.38	0.0015
Hexane Plus	0.0444	0.0446	0.0200	2.34	0.0015
Total	100.0000	100.4513	18.5070	1160.78	0.6891

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.003
BTU/CU.FT IDEAL: 1163.5
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1167.0
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1146.7
DRY BTU @ 15.025: 1190.4
REAL SPECIFIC GRAVITY: 0.6909

CYLINDER #: 2001
CYLINDER PRESSURE: 204 PSIG
ANALYSIS DATE: 06/29/2021
ANALYSIS TIME: 08:32:03 AM
ANALYSIS RUN BY: PATRICIA KING

GPM, BTU, and SPG calculations as shown above are based on current GPA constants.

GPA Standard: GPA-2261

GC: Danalyzer Model 500 Last Cal/Verify: 06/29/2021

GC Method: C6+ Gas



ROBERT L. BAYLESS, INC.
WELL ANALYSIS COMPARISON

Lease: HORSESHOE GALLUP WELLS METER RUN 06/29/2021
 Stn. No.: 14100-14250
 Mtr. No.:

Smpl Date:	06/29/2021	06/29/2021	06/24/2021
Test Date:	06/29/2021	06/29/2021	06/25/2021
Run No:	RL2021002	RL2021003	RL2021001
Nitrogen:	2.9574	3.0731	2.0479
CO2:	0.3413	0.3592	0.3269
Methane:	79.0594	80.7352	80.0367
Ethane:	8.4228	8.9079	9.3917
Propane:	5.0063	5.3893	5.8745
I-Butane:	0.3599	0.3790	0.4917
N-Butane:	3.6561	0.9538	1.3526
I-Pentane:	0.0945	0.0987	0.1999
N-Pentane:	0.0606	0.0594	0.1733
Hexane+:	0.0417	0.0444	0.1048
BTU:	1219.9	1167.0	1209.7
GPM:	18.8230	18.5070	18.8060
SPG:	0.7234	0.6909	0.7069

GAS ANALYSIS ADV TO DISREGARD RUN RL2021002, CORRECT IS RUN RL2021003. HT

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
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 17th 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 35.75 (metered) MCF; Value 35.75 mcf per day.
- C. Name and location of nearest gas gathering facility:
Exists next to well pad. Gas must meet gathering line specs. **Well repaired,
flaring gas until 3PM
– then flowing down
pipeline.**
- 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 

Printed Name & Title Helen Trujillo / Prod & Reg Analyst

E-mail Address notices@rlbayless.com

Date 06/29/2021 Telephone No. (505) 564-7801

OIL CONSERVATION DIVISION

Approved Until _____

By _____

Title _____

Date _____



2030 Afton Place
Farmington, NM 87401
(505) 325-6622

Analysis No: RL2021003
Cust No: 14100-14250

Well/Lease Information

Customer Name:	ROBERT L. BAYLESS, INC.	Source:	METER RUN
Well Name:	HORSESHOE GALLUP WELLS	Well Flowing:	Y
County/State:	SAN JUAN NM	Pressure:	204 PSIG
Location:		Flow Temp:	DEG. F
Lease/PA/CA:		Ambient Temp:	62 DEG. F
Formation:		Flow Rate:	MCF/D
Cust. Stn. No.:		Sample Method:	Purge & Fill
		Sample Date:	06/29/2021
		Sample Time:	7.56 AM
		Sampled By:	Sean C.
		Sampled by (CO):	RL BAYLESS
Heat Trace:	N		
Remarks:	H2S - 0ppm, O2 - 0.6ppm, H2O - >3lbs/mmcsfd		

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BTU/CU.FT IDEAL:	1163.5	CYLINDER PRESSURE:	204 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1167.0	ANALYSIS DATE:	06/29/2021
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1146.7	ANALYSIS TIME:	08:32:03 AM
DRY BTU @ 15.025:	1190.4	ANALYSIS RUN BY:	PATRICIA KING
REAL SPECIFIC GRAVITY:	0.6909		

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6-29-2021

Alpha Bioscience/ Gas Analysis Service was contacted to perform some testing at an R L Bayless location, Horseshoe Gallup 18-8H. Onsite we performed O₂ monitoring, length of stain tube for water vapour, and H₂S monitoring.

The below pictures are the results of the findings
H₂S – 0 ppm



O₂ – 0.6 ppm O₂



Water Vapour is less than >3 lbs/MMSCFD



Sincerely,
Sean C. Casaus

2030 Afton Place • Farmington, NM 87401 • Office (505) 325-6622 • Fax (505) 326-2555

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 34861

QUESTIONS

Operator: ROBERT L BAYLESS PRODUCER LLC 621 17th Street, Suite 2300 Denver, CO 80293	OGRID: 150182 Action Number: 34861 Action Type: [C-129] Venting and/or Flaring (C-129)
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QUESTIONS

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 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, answer to "eight hours or more" suggests this is at least a minor event.
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	No
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	
<i>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.</i>	
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	
<i>Please provide the mole percent for the percentage questions in this group.</i>	
Methane (CH4) percentage	81
Nitrogen (N2) percentage, if greater than one percent	3
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	06/29/2021
Time venting or flaring was discovered or commenced	12:00 AM
Is the venting or flaring event complete	Yes
Date venting or flaring was terminated	06/29/2021
Time venting or flaring was terminated	03:00 PM
Total duration of venting or flaring in hours, if venting or flaring has terminated	20
Longest duration of cumulative hours within any 24-hour period during this event	20

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: 36 Mcf Recovered: 0 Mcf Lost: 36 Mcf]
Additional details for Measured or Estimated Volume(s). Please specify	Completed startup of well with new pipeline operator with new specifications, particularly reducing water content. Flaring completed - this concludes incident numbers nAPP2117654385 dated 06/24/2021 & nAPP2118354679 dated 06/28/2021. ONLY ANSWERED 8 HRS OR MORE ABOVE AS "YES" to allow form submittal. 06/29/2021 flared 5.5 hrs then concluded.
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.	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 or flaring	Worked on system with someone present for whole duration of startup.
Corrective actions taken to eliminate the cause and reoccurrence of venting or flaring	n/a - startup of well - COMPLETED

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CONDITIONS

Action 34861

CONDITIONS

Operator: ROBERT L BAYLESS PRODUCER LLC 621 17th Street, Suite 2300 Denver, CO 80293	OGRID: 150182
	Action Number: 34861
	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