

**Atchafalaya Measurement, Inc.**

416 East Main Street Artesia, NM 88210

575-746-3481

**Inficon Micro GC Fusion F08904 R03RR2**

	Sample Information
Sample Name	Chisholm__Black River 3-10 Federal 4H__GC2-1319-11
Station Number	29410102
Lease Name	Black River 3-10 Federal 4H
Analysis For	Chisholm Energy
Producer	Chisholm Energy
Field Name	Carlsbad
County/State	Eddy,NM
Frequency/Spot Sample	Quarterly
Sampling Method	Fill Empty
Sample Deg F	100
Atmos Deg F	68
Flow Rate	752.03
Line PSIG	85
Date/Time Sampled	12-26-19
Cylinder Number	N/A
Cylinder Clean Date	N/A
Sampled By	Daniel Haley
Analysis By	Pat Silvas
Verified/Calibration Date	1-2-19
Report Date	2020-01-03 09:25:24

**Component Results**

Component Name	Ret. Time	Peak Area	Norm%	PPMV	GPM (Dry) (Gal. / 1000 cu.ft.)
Nitrogen	23.280	15457.2	1.14156	11415.600	0.000
H2S	0.000	0.0	0.00000	0.000	0.000
Methane	24.040	810566.6	76.93383	769338.300	0.000
Carbon Dioxide	28.220	1527.8	0.09417	941.700	0.000
Ethane	37.200	203714.7	11.80822	118082.200	3.169
Propane	77.340	128217.8	5.72888	57288.800	1.584
i-butane	28.700	58955.0	0.74261	7426.100	0.244
n-Butane	30.200	152396.4	1.84260	18426.000	0.583
i-pentane	34.820	46203.2	0.48470	4847.000	0.178
n-Pentane	36.560	56340.2	0.55541	5554.100	0.202
Hexanes Plus	120.000	73771.0	0.66802	6680.200	0.291
Total:			100.00000	1000000.000	6.251

**Results Summary**

Result	Dry	Sat. (Base)
Total Raw Mole% (Dry)	99.14589	
Pressure Base (psia)	14.730	
Temperature Base	60.00	
Gross Heating Value (BTU / Ideal cu.ft.)	1293.3	1270.8
Gross Heating Value (BTU / Real cu.ft.)	1298.3	1276.3
Relative Density (G), Ideal	0.7477	0.7455
Relative Density (G), Real	0.7503	0.7484
Compressibility (Z) Factor	0.9961	0.9957

Chisholm Energy Operating, LLC has meters on all flares. The metered flare volumes reported are taken from our daily production software.

**District I**

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

**District II**

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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 36058

**QUESTIONS**

Operator:	CHISHOLM ENERGY OPERATING, LLC 801 Cherry Street Fort Worth, TX 76102	OGRID:	372137
		Action Number:	36058
		Action Type:	[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	Yes
Did or will this venting 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 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 19.15.29.7 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	BLACK RIVER 3-10 FC BATTERY
Facility Type	Flare Stack - (FS)

**Equipment Involved**

Primary Equipment Involved	Producing Well
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	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	06/23/2021
Time venting or flaring was discovered or commenced	06:00 AM
Is the venting or flaring event complete	Yes
Date venting or flaring was terminated	06/24/2021
Time venting or flaring was terminated	06:00 PM
Total duration of venting or flaring in hours, if venting or flaring has terminated	2
Longest duration of cumulative hours within any 24-hour period during this event	1

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

Natural Gas Vented (Mcf) Details	Cause: High Line Pressure   Producing Well   Natural Gas Vented   Spilled: 0 Mcf   Recovered: 0 Mcf   Lost: 0 Mcf
Natural Gas Flared (Mcf) Details	Cause: High Line Pressure   Producing Well   Natural Gas Flared   Spilled: 219 Mcf   Recovered: 0 Mcf   Lost: 219 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 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	Yes
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	PLANT DOWN CAUSING HIGH LINE PRESSURE
Steps taken to limit the duration and magnitude of venting or flaring	N/A
Corrective actions taken to eliminate the cause and reoccurrence of venting or flaring	OUT OF OPERATOR CONTROL

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CONDITIONS  
  
Action 36058

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Operator: CHISHOLM ENERGY OPERATING, LLC 801 Cherry Street Fort Worth, TX 76102	OGRID: 372137
	Action Number: 36058
	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.	7/12/2021