



Certificate of Analysis

Number: 6030-21060280-002A

Artesia Laboratory

200 E Main St.

Artesia, NM 88210

Phone 575-746-3481

Paul Martinez
Chisholm Energy
801 Cherry St, Suite 1200
Fort Worth, TX 76102

June 29, 2021

Station Name: McCord Enterprise 23 Well #1
Station Number: 89410003
Station Location: Chisholm
Sample Point: Meter Run
Type of Sample: Spot-Cylinder
Heat Trace Used: N/A
Sampling Method: Fill and Purge
Sampling Company: SPL
Analyzed: 06/28/2021 15:48:05 by EJR

Sampled By: Chad Whitt
Sample Of: Gas Spot
Sample Date: 06/25/2021
Sample Conditions: 294.5 psig Ambient: 81 °F
Effective Date: 06/25/2021
Method: GPA-2261M
Cylinder No: 5030-00624
Instrument: 6030_GC6 (Inficon GC-3000 Micro)
Last Inst. Cal.: 06/28/2021 0:00 AM

Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.73 psia		
Hydrogen Sulfide	0.000	0.00025	0.001		GPM TOTAL C2+	0.457
Nitrogen	0.000	0.00000	0.000		GPM TOTAL C3+	0.095
Methane	95.190	97.40455	94.018		GPM TOTAL iC5+	0.031
Carbon Dioxide	0.929	0.95041	2.517			
Ethane	1.319	1.34969	2.442	0.362		
Propane	0.159	0.16280	0.432	0.045		
Iso-butane	0.027	0.02722	0.095	0.009		
n-Butane	0.031	0.03141	0.110	0.010		
Iso-pentane	0.014	0.01402	0.061	0.005		
n-Pentane	0.008	0.00767	0.033	0.003		
Hexanes Plus	0.051	0.05198	0.291	0.023		
	97.728	100.00000	100.000	0.457		

Calculated Physical Properties

Relative Density Real Gas	Total	C6+
	0.5748	3.2176
Calculated Molecular Weight	16.62	93.19
Compressibility Factor	0.9979	

GPA 2172 Calculation:

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

Real Gas Dry BTU	1022	5141
Water Sat. Gas Base BTU	1004	5052
Ideal, Gross HV - Dry at 14.73 psia	1019.6	5141.1
Ideal, Gross HV - Wet	1001.8	5051.6

Comments: H2S Field Content 2.5 ppm

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.

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

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 41670

QUESTIONS

Operator: CHISHOLM ENERGY OPERATING, LLC 801 Cherry Street Fort Worth, TX 76102	OGRID: 372137
	Action Number: 41670
	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 19.13.29.7 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	McCord Enterprises 23 State Com Battery
Facility Type	Tank Battery - (TB)

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	76
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	07/27/2021
Time venting or flaring was discovered or commenced	08:00 AM
Is the venting or flaring event complete	Yes
Date venting or flaring was terminated	07/27/2021
Time venting or flaring was terminated	05:00 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	2

Measured or Estimated Volume of Vented or Flared Natural Gas

Natural Gas Vented (Mcf) Details	Cause: Midstream Emergency Maintenance Producing Well Natural Gas Vented Spilled: 0 Mcf Recovered: 0 Mcf Lost: 0 Mcf
Natural Gas Flared (Mcf) Details	Cause: Midstream Emergency Maintenance Producing Well Natural Gas Flared Spilled: 146 Mcf Recovered: 0 Mcf Lost: 146 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	MIDSTREAM PLANT DOWN CAUSING EMERGENCY MAINTENANCE
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

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	Action Number: 41670
	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.	8/12/2021