



Certificate of Analysis

Number: 6030-21080194-010A

Artesia Laboratory

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Aug. 25, 2021

Station Name: Yada Fed Com 135
Station Number: 7060303
Sample Point: Meter run
Formation: Spot
County: Lea
Type of Sample: Spot-Cylinder
Heat Trace Used: N/A
Sampling Method: Fill and Purge
Sampling Company: SPL

Sampled By: James Hill
Sample Of: Gas Spot
Sample Date: 08/17/2021 10:45
Sample Conditions: 139.8 psig, @ 128.6 °F Ambient: 90 °F
Effective Date: 08/17/2021 10:45
Method: GPA-2261M
Cylinder No: 5030-02476
Instrument: 70104124 (Inficon GC-MicroFusion)
Last Inst. Cal.: 07/08/2021 0:00 AM
Analyzed: 08/24/2021 09:52:07 by KNF

Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.73 psia
Hydrogen Sulfide	NIL	0.20000	0.290	
Nitrogen	1.282	1.29614	1.546	
Carbon Dioxide	1.424	1.43976	2.698	
Methane	71.822	72.64287	49.632	
Ethane	11.270	11.39915	14.597	3.062
Propane	6.652	6.72799	12.635	1.862
Iso-Butane	1.011	1.02245	2.531	0.336
n-Butane	2.447	2.47455	6.125	0.783
Iso-Pentane	0.763	0.77151	2.371	0.283
n-Pentane	0.705	0.71326	2.192	0.260
Hexanes	0.612	0.61889	2.271	0.256
Heptanes	0.468	0.47294	2.018	0.219
Octanes	0.182	0.18448	0.897	0.095
Nonanes Plus	0.036	0.03601	0.197	0.020
	98.674	100.0000	100.000	7.176

Calculated Physical Properties

Calculated Molecular Weight	Total	C9+
Compressibility Factor	23.48	128.26
Relative Density Real Gas	0.9955	
	0.8141	4.4283

GPA 2172 Calculation:

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

Real Gas Dry BTU	1358.2	7012.5
Water Sat. Gas Base BTU	1335.1	6890.4
Ideal, Gross HV - Dry at 14.73 psia	1352.0	7012.5
Ideal, Gross HV - Wet	1328.5	6890.4

Comments: H2S Field Content 2000 ppm
CO2 1.3%
Mcf/dady 2179.5

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.

Flaring Summary

battery	8/23/2021
Yada CTB B	1,256.00
Grand total	1,256.00

date

Data table:
flare_report_data (2)
Colors:
All values

battery

Sum(TOTAL FLARE (HP + LP))

System Offline for Rollout - 09/07/2021 from 4:30pm to 5:30pm

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