

# 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	Spargo 1-36 FG
Analyzer Type	Portable Gas Chromatograph
Analyzer Make & Model (SN:)	ABB NGC8206 (32000398)
Last Calibration/Validation Date	04/29/2021
Atmospheric Pressure	11.52
Flow Rate (MCFD)	7
Air Temperature (Deg. F)	65
Heat Tracing	Yes
Type of Sample	spot-Portable GC
Company Collecting Sample	Kiva Measuring
Hexanes+ Split	60% C6, 30% C7, 10% C8
Operator	Seeley Oil Co
Injection Date	2021-05-02 11:48:00
Report Date	2021-05-02 12:06:44
Results ID Number	3162
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	6422703.3	2.6405	0.00000041	2.6869	0.0	0.02599	0.297
Carbon Dioxide	94733.7	0.0341	0.00000036	0.0347	0.0	0.00053	0.006
Methane	129849567.7	71.9584	0.00000055	73.2219	741.3	0.40558	12.462
Ethane	36118713.7	11.9929	0.00000033	12.2035	216.5	0.12670	3.276
Propane	25181170.3	6.2106	0.00000025	6.3197	159.4	0.09622	1.748
n-Butane	9565578.3	2.0853	0.00000022	2.1219	69.4	0.04258	0.672
l-Butane	5521310.3	1.1888	0.00000022	1.2097	39.4	0.02428	0.397
n-Pentane	3163192.7	0.5670	0.00000018	0.5769	23.2	0.01437	0.210
l-Pentane	3789522.7	0.6881	0.00000018	0.7002	28.1	0.01744	0.257
Hexanes Plus	6567226.3	0.9086	0.00000014	0.9246	47.5	0.02975	0.403
Total:		98.2745		100.0000	1324.7	0.78343	19.728

## Results Summary

Result	Dry
Total Un-Normalized Mole%	98.2745
Pressure Base (psia)	14.730
Temperature Base (Deg. F)	60.00
Flowing Temperature (Deg. F)	74.0
Flowing Pressure (psia)	62.0
Gross Heating Value (BTU / Ideal cu.ft.)	1324.7
Gross Heating Value (BTU / Real cu.ft.)	1330.2
Relative Density (G), Real	0.7864
Compressibility (Z) Factor	0.9958

## Monitored Parameter Report

Parameter	Value	Lower Limit	Upper Limit	Status
Total Raw Mole% (Dry)	98.2745	97.0000	103.0000	Pass