



Volumetrics Inc.

3710 East Rio Grande St, Victoria, TX-77901
Phone: 361-827-4024

Company: OXY USA INC
Field/Location : NMSW
Station Name : CEDAR CANYON 22 SATELLITE PRODUCTION 2 (FMP)
Station Number : 14969PB
Sample Date: 12/10/21 1:55 PM
Analysis Date: 12/13/21 7:20 AM
Instrument: INFICON
Calibration/Verification Date: 12/13/2021
Heat Trace used: YES

Work Order: 4000392873
Sampled by: VOLUMETRICS/CR
Sample Type : SPOT-CYLINDER
Sample Temperature (F): 74.98
Sample Pressure (PSIG): 113.74
Flow rate (MCF/Day): 2673.5
Ambient Temperature (F): 76
Sampling method: FILL & EMPTY
Cylinder Number: 1575

NATURAL GAS ANALYSIS: GPA 2261

Components	Un-Normalized Mol%	Normalized Mol%	GPM 14.650	GPM 14.730	GPM 15.025
Hydrogen Sulfide	0.0000	0.0000			
Nitrogen	1.3803	1.4094			
Methane	74.3214	75.8863			
Carbon Dioxide	0.1892	0.1932			
Ethane	12.0352	12.2886	3.281	3.298	3.365
Propane	5.8964	6.0206	1.656	1.665	1.698
Isobutane	0.7918	0.8085	0.264	0.266	0.271
N-butane	1.9260	1.9665	0.619	0.622	0.635
Isopentane	0.4152	0.4240	0.155	0.156	0.159
N-Pentane	0.4481	0.4575	0.166	0.166	0.170
Hexanes(C6's)	0.2492	0.2544	0.104	0.105	0.107
Heptanes (C7's)	0.1924	0.1964	0.090	0.091	0.093
Octanes (C8's)	0.0780	0.0796	0.041	0.041	0.042
Nonanes Plus (C9+)	0.0147	0.0150	0.008	0.008	0.009
Total	97.9380	100.0000			

Physical Properties (Calculated)	14.650 psia	14.730 psia	15.025 psia
Total GPM Ethane+	6.385	6.418	6.548
Total GPM Iso-Pentane+	0.565	0.567	0.579
Compressibility (Z)	0.9961	0.9961	0.9961
Specific Gravity (Air=1) @ 60 °F	0.7546	0.7546	0.7546
Molecular Weight	21.779	21.779	21.779

Gross Heating Value	14.650 psia	14.730 psia	15.025 psia
Dry, Real (BTU/Ft ³)	1291.1	1298.1	1324.1
Wet, Real (BTU/Ft ³)	1268.5	1275.4	1301.0
Dry, Ideal (BTU/Ft ³)	1286.0	1293.1	1319.0
Wet, Ideal (BTU/Ft ³)	1263.5	1270.4	1295.9

Temperature base 60 °F

Comment: FIELD H2S =0 PPM

Verified by
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 Petroleum Chemist

Approved by
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 Deann Friend
 Laboratory Manager