



Volumetrics US Inc.
 3001 N Cameron St, Victoria, TX-77901
 Phone: 361-827-4024

Company: OXY USA INC
Field/Location : NMSW
Station Name : CEDAR CANYON 22 NO. 001H
Station Number : 14915X
Sample Date: 3/24/21 9:10 AM
Analysis Date: 4/5/21 4:18 PM
Instrument: ABB NGC 8206
Calibration/Verification Date: 4/5/2021
Heat Trace used: YES

Work Order 4000248463
Sampled by: VOLUMETRICS/JA
Sample Type : SPOT-CYLINDER
Sample Temperature (F): 56
Sample Pressure (PSIG): 95.2
Flow rate (MCF/Day): 164.88
Ambient Temperature (F): 58
Sampling method: FILL & EMPTY
Cylinder Number: 1318

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 | 1.4004 | 1.4102 | | | |
| Methane | 74.1036 | 74.6225 | | | |
| Carbon Dioxide | 0.3656 | 0.3682 | | | |
| Ethane | 12.2742 | 12.3601 | 3.300 | 3.318 | 3.384 |
| Propane | 6.5589 | 6.6049 | 1.817 | 1.827 | 1.863 |
| Isobutane | 0.8947 | 0.9010 | 0.294 | 0.296 | 0.302 |
| N-butane | 2.2165 | 2.2320 | 0.702 | 0.706 | 0.720 |
| Isopentane | 0.4538 | 0.4570 | 0.167 | 0.168 | 0.171 |
| N-Pentane | 0.4992 | 0.5027 | 0.182 | 0.183 | 0.187 |
| Hexanes Plus | 0.5376 | 0.5414 | 0.236 | 0.237 | 0.242 |
| Total | 99.3044 | 100.0000 | | | |

Hexanes plus split (60%-30%-10%)

| Physical Properties (Calculated) | 14.650 psia | 14.730 psia | 15.025 psia |
|-----------------------------------|-------------|-------------|-------------|
| Total GPM Ethane+ | 6.698 | 6.735 | 6.869 |
| Total GPM Iso-Pentane+ | 0.585 | 0.588 | 0.600 |
| Compressibility (Z) | 0.9960 | 0.9960 | 0.9959 |
| Specific Gravity (Air=1) @ 60 °F | 0.7684 | 0.7684 | 0.7685 |
| Molecular Weight | 22.175 | 22.175 | 22.175 |
| Gross Heating Value | 14.650 psia | 14.730 psia | 15.025 psia |
| Dry, Real (BTU/Ft ³) | 1308.1 | 1315.2 | 1341.7 |
| Wet, Real (BTU/Ft ³) | 1285.3 | 1292.3 | 1318.3 |
| Dry, Ideal (BTU/Ft ³) | 1302.8 | 1310.0 | 1336.2 |
| Wet, Ideal (BTU/Ft ³) | 1280.2 | 1287.2 | 1312.9 |

Temperature base 60 °F

Comment: FIELD H2S = 0 PPM

Verified by

Mostaq Ahammad
 Petroleum Chemist

Approved by

Deann Friend

Deann Friend
 Laboratory Manager