

Lab #: 998348

Job #: 65232

Sample Name: Knox 14-7 (F14OU) Casing

Company: QB Energy Operating, LLC

API/Well: 05-077-08983

Container: IsoTube Single Valve

Location: Federal Lease # COC-66496A

Sampling Point: 281939

Date Sampled: 09/17/2025

Date Received: 01/09/2026

Date Reported: 02/16/2026

| Component | Chemical mol% | $\delta^{13}\text{C}$ ‰ | δD ‰ | $\delta^{18}\text{O}$ ‰ | $\delta^{15}\text{N}$ ‰ |
|-----------------|---------------|-------------------------|--------------------|-------------------------|-------------------------|
| Carbon Monoxide | nd | | | | |
| Helium | 0.0038 | | | | |
| Hydrogen | 0.0139 | | | | |
| Argon | 0.0065 | | | | |
| Oxygen | 0.14 | | | | |
| Nitrogen | 0.46 | | | | |
| Carbon Dioxide | 1.10 | -4.8 | | | |
| Methane | 88.88 | -39.3 | -186 | | |
| Ethane | 5.95 | -28.9 | | | |
| Ethylene | nd | | | | |
| Propane | 2.00 | -26.3 | | | |
| Propylene | nd | | | | |
| Iso-butane | 0.423 | -26.9 | | | |
| N-butane | 0.448 | -25.6 | | | |
| Iso-pentane | 0.175 | -26.2 | | | |
| N-pentane | 0.132 | -25.6 | | | |
| Hexanes + | 0.268 | | | | |

Total BTU/cu.ft. dry @ 60° F & 14.73psia, calculated: 1112

Specific gravity, calculated: 0.640

Remarks:

Billing Code: 202768, Major/Minor Code: 8000..126