

**Lab #:** 998359

**Job #:** 65232

**Sample Name:** Federal 7-11C (7D) Braden Head

**Company:** QB Energy Operating, LLC

**API/Well:** 05-045-12467

**Container:** IsoTube Single Valve

**Location:** Federal Lease # COC-23443

**Sampling Point:** 285436

**Date Sampled:** 09/24/2025

**Date Received:** 01/09/2026

**Date Reported:** 02/16/2026

Component	Chemical mol%	$\delta^{13}\text{C}$ ‰	$\delta\text{D}$ ‰	$\delta^{18}\text{O}$ ‰	$\delta^{15}\text{N}$ ‰
Carbon Monoxide	nd				
Helium	0.0128				
Hydrogen	0.0073				
Argon	0.0099				
Oxygen	0.20				
Nitrogen	0.80				
Carbon Dioxide	nd				
Methane	94.84	-36.7	-171		
Ethane	3.09	-26.8			
Ethylene	nd				
Propane	0.632	-25.4			
Propylene	nd				
Iso-butane	0.129	-25.0			
N-butane	0.113	-24.6			
Iso-pentane	0.0473	-25.1			
N-pentane	0.0323	-24.2			
Hexanes +	0.0912				

Total BTU/cu.ft. dry @ 60° F & 14.73psia, calculated: 1048

Specific gravity, calculated: 0.587

Remarks:

Insufficient CO2 concentration for carbon isotope analysis.

Billing Code: 201209, Major/Minor Code: 8000..126