

Test Report

Start Date: Wed Sep 21 2022 23:48:15 GMT+0000 (Coordinated Universal Time)
 End Date: Sat Sep 24 2022 19:22:40 GMT+0000 (Coordinated Universal Time)
 Device: VB100-0029
 Well Licensee: NMOCD
 Well Name: DOUBLE L QUEEN UNIT 005Q
 UWI: 30-005-20984
 Well License Number: 30-005-20984
 Surface Location: PRIVATE
 Bottom Hole Location: UNK

Test Operator: DJF
 Authorized By: NMOCD
 Test Reason: PRE PLUG
 Scope Of Work: 12-Hour
 AFE Number: NMOCD038AA/APWS22.001
 GPS: 33.04880,-103.96739
 Notes: GTG Q
 Prepared By: Curtis Shuck, QMS

Flow / Pressure Test

Flow Duration

67 hrs 20 minutes
Duration

Average Flowrate

0.0056
m3/d

Average Pressure

2.2652
kPag

Average Flow Temperature

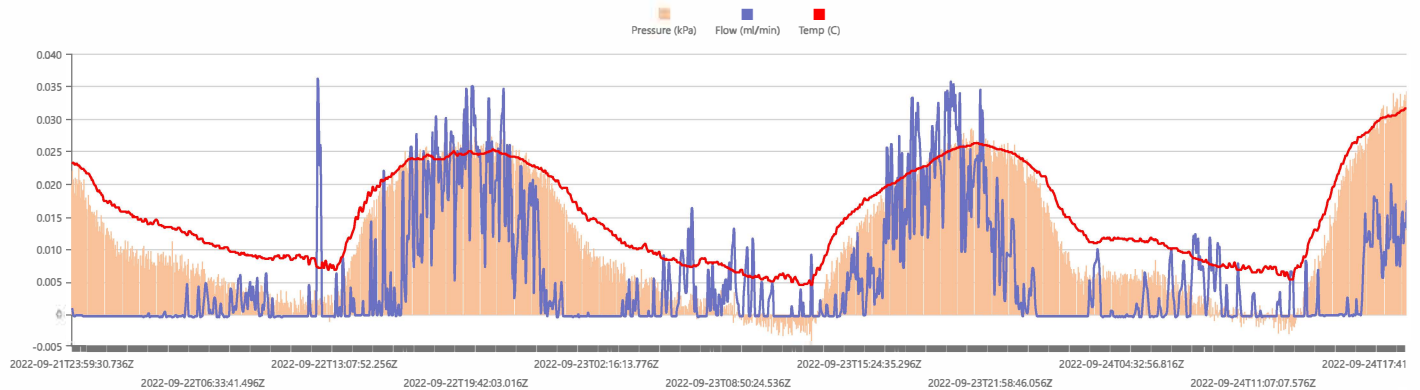
25.4162
°C

Average CH4 Mass

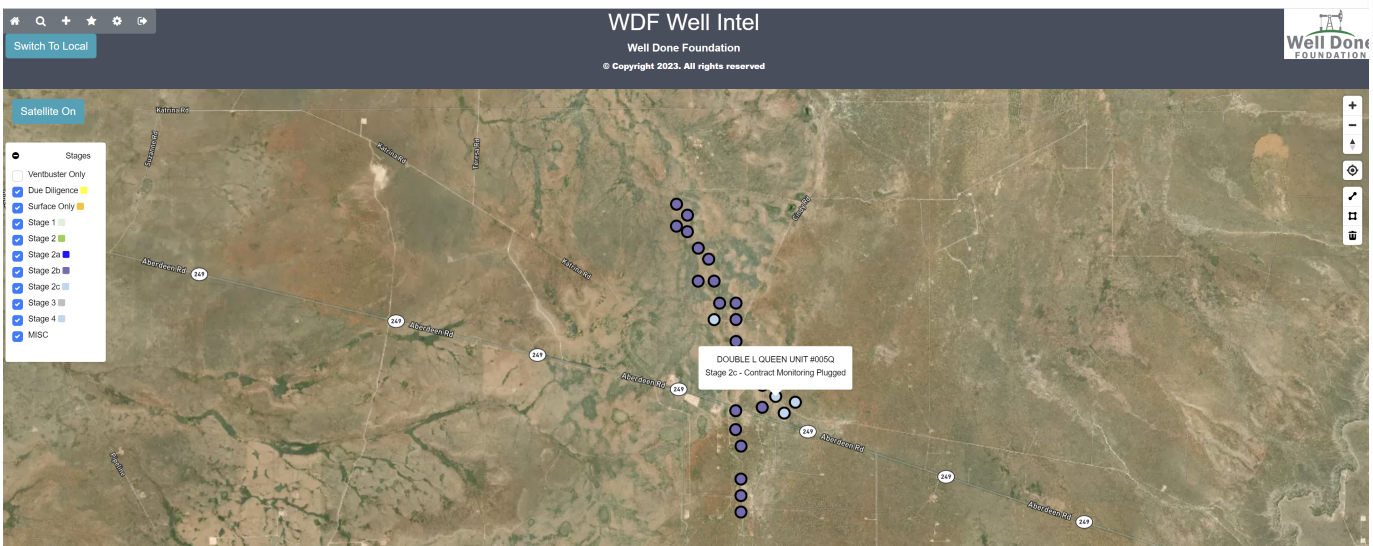
0.00 g/hr

Methane Calculation: 717 grams CH4 per cubic meter ($717 \text{ g/m}^3 \times 0.0056 \text{ m}^3/\text{day} = 4.02 \text{ g/day total} / 24 = 0.17 \text{ g/hour} \times 0.00115 \text{ (methane concentration)} = \mathbf{0.00 \text{ g/hour CH}_4}$). **Methane, gas** weighs 0.000717 gram per cubic centimeter or 0.717 kilogram per cubic meter, i.e. density of methane, gas is equal to 0.717 kg/m³; at 0°C (32°F or 273.15K) at standard atmospheric pressure. In imperial or US customary measurement system, the density is equal to 0.0448 pound per cubic foot [lb/ft³], or 0.0004144 ounce per cubic inch [oz/inch³].

Flow / Pressure / Temperature Timeseries







#	Date	Note
1	2022-09-24	CES: Rig down VB100-029 @ secure well.
2	2022-09-21	CES: Arrived at location. Collect gas sample. Photos. Rig up VB100-029 for flow test.









September 21, 2022

	Atmospheric conditions and temperature °F	RealFeel °F	Atmospheric pressure inHg	Wind speed mph	Humidity
Night	 +73°	+73°	26.5	▲ S 6.9	50%
Morning	 +66°	+66°	26.5	▲ S 6	71%
Day	 +90°	+90°	26.5	▲ S 8.5	28%
Evening	 +90°	+90°	26.5	▲ S 10.3	27%

September 22, 2022

	Atmospheric conditions and temperature °F	RealFeel °F	Atmospheric pressure inHg	Wind speed mph	Humidity
Night	 +72°	+72°	26.5	▲ S 5.8	44%
Morning	 +64°	+64°	26.5	▲ NE 4.5	69%
Day	 +82°	+82°	26.6	► W 8.1	26%
Evening	 +84°	+84°	26.5	▲ S 12.5	28%