



Test Report

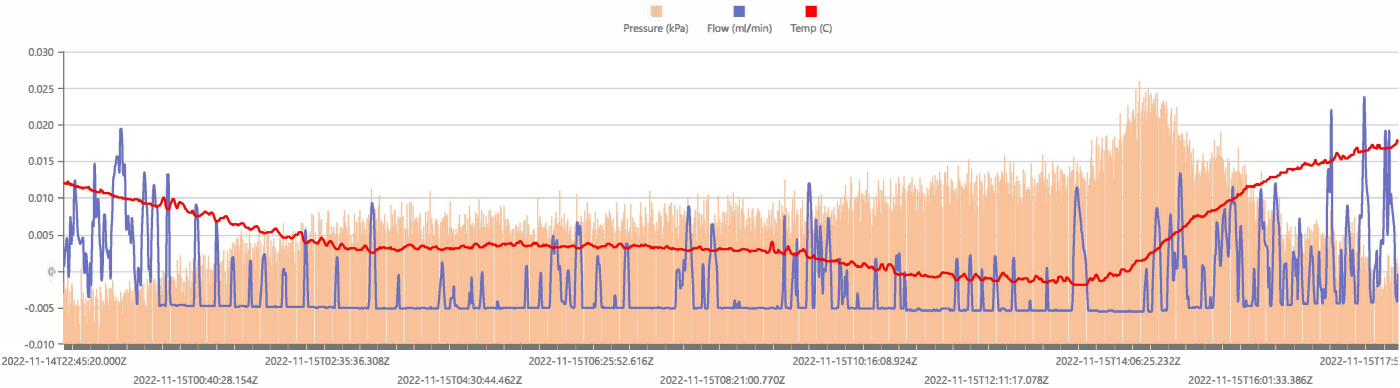
| | |
|--|-----------------------------------|
| Start Date: Mon Nov 14 2022 22:45:20 GMT+0000 (Coordinated Universal Time) | Test Operator: f.v. |
| End Date: Tue Nov 15 2022 18:21:12 GMT+0000 (Coordinated Universal Time) | Authorized By: NMOCD |
| Device: VB100-0016 | Test Reason: IJA/PRE PLUG |
| Well Licensee: NMOCD | Scope Of Work: 12-Hour |
| Well Name: Double L Queen 01P | AFE Number: NMOCD038AA/APWS22.001 |
| UWI: 30-005-20332 | GPS: 33.05141,-103.96352 |
| Well License Number: 30-005-20332 | Notes: monitoring casing flow |
| Surface Location: double l queen | Prepared By: Curtis Shuck, QMS |
| Bottom Hole Location: unknown | |

Flow / Pressure Test

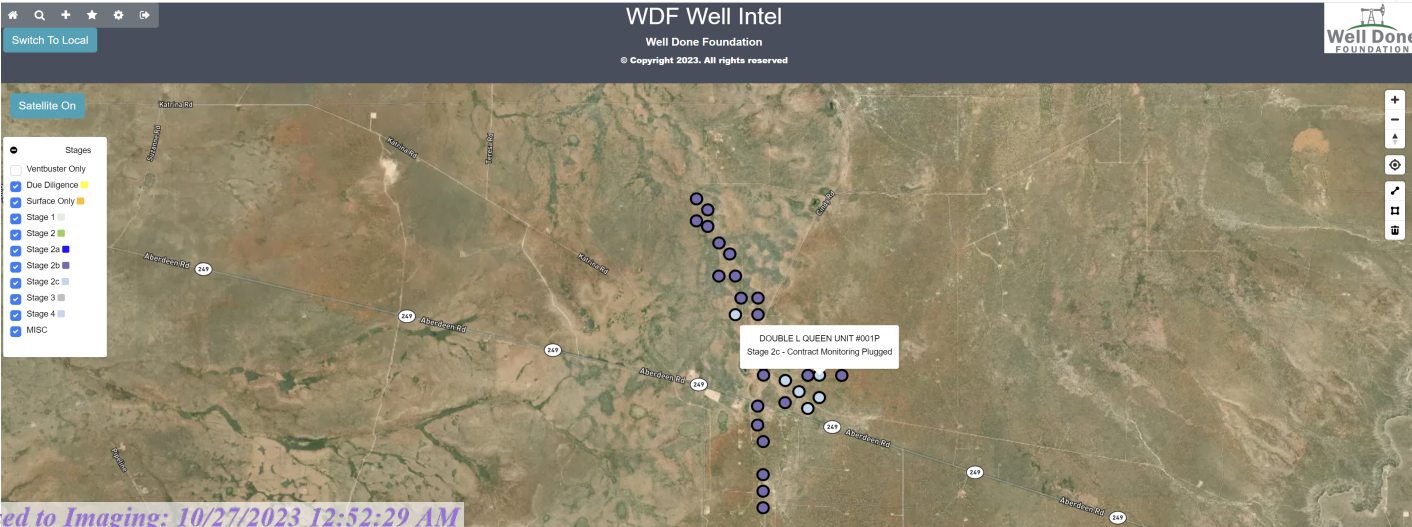
| | | | | |
|--|-------------------------------------|------------------------------------|--|-------------------------------|
| Flow Duration 19 hrs 35 minutes Duration | Average Flowrate -0.0019 m3/d | Average Pressure 4.4467 kPag | Average Flow Temperature 4.9387 °C | Average CH4 Mass 0.00 g/hr |
|--|-------------------------------------|------------------------------------|--|-------------------------------|

Methane Calculation: 717 grams CH4 per cubic meter (717 g/m³ x -0.0019 m³/day = -1.36 g/day total /24 = -0.06 g/hour x 0 (methane concentration) = **0.00 g/hour CH4**). **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 | 2022-11-14 | CES: on location w/WDF measure 1 Crew. Photos. GPS update. Gas Sample. Rig up VB100-16 |
| 2 | 2022-07-27 | ces: Arrived on location during BIG Thunderstorm.. |









November 14, 2022

| | Atmospheric conditions and temperature °F | RealFeel °F | Atmospheric pressure inHg | Wind speed mph | Humidity |
|---------|--|-------------|------------------------------|-------------------|----------|
| Night |  +39° | +32° | 29.8 | ▲ S 12.8 | 60% |
| Morning |  +37° | +27° | 30 | ▼ N 25.9 | 70% |
| Day |  +46° | +39° | 30.1 | ▼ N 18.1 | 42% |
| Evening |  +39° | +34° | 30.2 | ◀ E 7.2 | 56% |

November 15, 2022

| | Atmospheric conditions and temperature °F | RealFeel °F | Atmospheric pressure inHg | Wind speed mph | Humidity |
|---------|--|-------------|------------------------------|-------------------|----------|
| Night |  +30° | +25° | 30.2 | ▼ SE 6.5 | 69% |
| Morning |  +27° | +27° | 30.3 | ▼ SE 2.5 | 74% |
| Day |  +46° | +45° | 30.3 | ▼ SE 5.4 | 34% |
| Evening |  +37° | +32° | 30.3 | ▲ S 7.4 | 48% |



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575.397.3713 2609 W Marland Hobbs NM 88240

C6+ Gas Analysis Report

| | | | |
|----------------------|--------------------------------|------------------------|--|
| 15341G | Double L Queen #01P - Pre Plug | | Double L Queen #01P |
| Sample Point Code | Sample Point Name | | Sample Point Location |
| Laboratory Services | 2022060365 | Tedlar Bag | FV - Spot |
| Source Laboratory | Lab File No | Container Identity | Sampler |
| USA | USA | USA | New Mexico |
| District | Area Name | Field Name | Facility Name |
| Nov 14, 2022 15:26 | Nov 14, 2022 15:26 | Nov 18, 2022 08:03 | Nov 18, 2022 |
| Date Sampled | Date Effective | Date Received | Date Reported |
| Torrance | | | |
| Ambient Temp (°F) | Flow Rate (Mcf) | Analyst | Press PSI @ Temp °F Source Conditions |
| Well Done Foundation | | NG | |
| Operator | | Lab Source Description | |

| Component | Normalized Mol % | Un-Normalized Mol % | GPM |
|--------------------|------------------|---------------------|--------|
| H2S (H2S) | 0.0000 | 0 | |
| Nitrogen (N2) | 98.8160 | 98.8156 | |
| CO2 (CO2) | 0.0410 | 0.04136 | |
| Methane (C1) | 0.0000 | 0 | |
| Ethane (C2) | 0.0000 | 0 | 0.0000 |
| Propane (C3) | 0.0000 | 0 | 0.0000 |
| I-Butane (IC4) | 0.0000 | 0 | 0.0000 |
| N-Butane (NC4) | 0.0000 | 0 | 0.0000 |
| I-Pentane (IC5) | 0.0000 | 0 | 0.0000 |
| N-Pentane (NC5) | 0.0000 | 0 | 0.0000 |
| Hexanes Plus (C6+) | 1.1430 | 1.14304 | 0.4960 |
| TOTAL | 100.0000 | 100.0000 | 0.4960 |

Method(s): Gas C6+ - GPA 2261, Extended Gas - GPA 2286, Calculations - GPA 2172

| Analyzer Information | | | |
|----------------------|-------------------|----------------|--------------|
| Device Type: | Gas Chromatograph | Device Make: | Shimadzu |
| Device Model: | GC-2014 | Last Cal Date: | Sep 26, 2022 |

| Gross Heating Values (Real, BTU/ft³) | | | |
|--------------------------------------|-----------|-----------------------|-----------|
| 14.696 PSI @ 60.00 Å°F | | 14.73 PSI @ 60.00 Å°F | |
| Dry | Saturated | Dry | Saturated |
| 58.8 | 58.7 | 58.9 | 58.8 |

| Calculated Total Sample Properties | |
|---|------------------------|
| GPA2145-16 *Calculated at Contract Conditions | |
| Relative Density Real | Relative Density Ideal |
| 0.9931 | 0.9931 |
| Molecular Weight | |
| 28.7649 | |

| C6+ Group Properties | | |
|----------------------|--------------|--------------|
| Assumed Composition | | |
| C6 - 60.000% | C7 - 30.000% | C8 - 10.000% |

| |
|-----------|
| Field H2S |
| 0 PPM |

PROTREND STATUS: Passed By Validator on Nov 18, 2022
DATA SOURCE: Imported

PASSED BY VALIDATOR REASON:
Close enough to be considered reasonable.

VALIDATOR:
Luis Cano
VALIDATOR COMMENTS:
OK

| Source | Date | Notes |
|-----------|----------------------|---------------|
| Luis Cano | Nov 18, 2022 4:10 pm | Methane: 0PPM |

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

DEFINITIONS

Action 280017

DEFINITIONS

| | |
|---|---|
| Operator: CANYON E & P COMPANY 251 O'Connor Ridge Blvd. Irving, TX 75038 | OGRID: 269864 |
| | Action Number: 280017 |
| | Action Type: [UF-OMA] Pre-Plug Methane Monitoring (UF-OMA-MMA) |

DEFINITIONS

The Orphan Well Mitigation Activity (OMA) forms are a subset of the OCD's forms exclusively designed for activities related to State of New Mexico's contracted plugging and reclamation activities. Specifically, these forms are used for orphan wells or associated facilities which are in a "Reclamation Fund Approved" status. This status represents wells or facilities where the OCD has acquired a hearing order allowing the OCD to perform plugging or reclamation on wells and associated facilities that no longer have a viable operator to perform the necessary work. These forms are not to be utilized for any other purpose.

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QUESTIONS

Action 280017

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|---|---|
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| | Action Number: 280017 |
| | Action Type: [UF-OMA] Pre-Plug Methane Monitoring (UF-OMA-MMA) |

QUESTIONS

| | |
|----------------------------|--|
| Prerequisites | |
| [OGRID] Well Operator | [269864] CANYON E & P COMPANY |
| [API] Well Name and Number | [30-005-20332] DOUBLE L QUEEN UNIT #001P |
| Well Status | Plugged (not released) |

Monitoring Event Information

Please answer all the questions in this group.

| | |
|--------------------|-----------------------------|
| Reason For Filing | Pre-Plug Methane Monitoring |
| Date of monitoring | 11/14/2022 |
| Latitude | 33.05141 |
| Longitude | -103.96352 |

Monitoring Event Details

Please answer all the questions in this group.

| | |
|---|--------------|
| Flow rate in cubic meters per day (m³/day) | 0.00 |
| Test duration in hours (hr) | 19.5 |
| Average flow temperature in degrees Celsius (°C) | 4.9 |
| Average gauge flow pressure in kilopascals (kPag) | 4.4 |
| Methane concentration in part per million (ppm) | 0 |
| Methane emission rate in grams per hour (g/hr) | 0.00 |
| Testing Method | Steady State |

Monitoring Contractor

Please answer all the questions in this group.

| | |
|-------------------------------|--------------------------|
| Name of monitoring contractor | Well Done New Mexico LLC |
|-------------------------------|--------------------------|