



## Interval Report

**Interval Start Date:** Monday, August 29, 2022, 10:34 PM MDT**Interval End Date:** Tuesday, August 30, 2022, 11:56 AM MDT**Device:** VB100-0039**Well Licensee:** NMOCD**Well Name:** Double L Queen 006**UWI:** 30-005-60097**Well License Number:** 30-005-60097**Surface Location:** Bogle**Bottom Hole Location:** unknown**Test Operator:** ces**Authorized By:** NMOCD**Test Reason:** IJJA PRE PLUG**Scope Of Work:** 12-Hour**AFE Number:** NMOCD038AA / APWS22.001**GPS:** 33.05145,-103.97415**Notes:** GTG

## Flow Test

Average Flowrate

**1.13**

m3/d

**0.03**

g/hour

Average Flow  
Temperature**22.8**

°C

Average Flow  
Pressure**0.1**

kPag

Flow Duration

**13.4**

hours

## Pressure Test

Maximum Shut-In Pressure

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Last 24Hr Average Shut-In  
Pressure

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\*Displays after 24hrs of stabilized shut-in pressure

Extrapolated Shut-In Pressure

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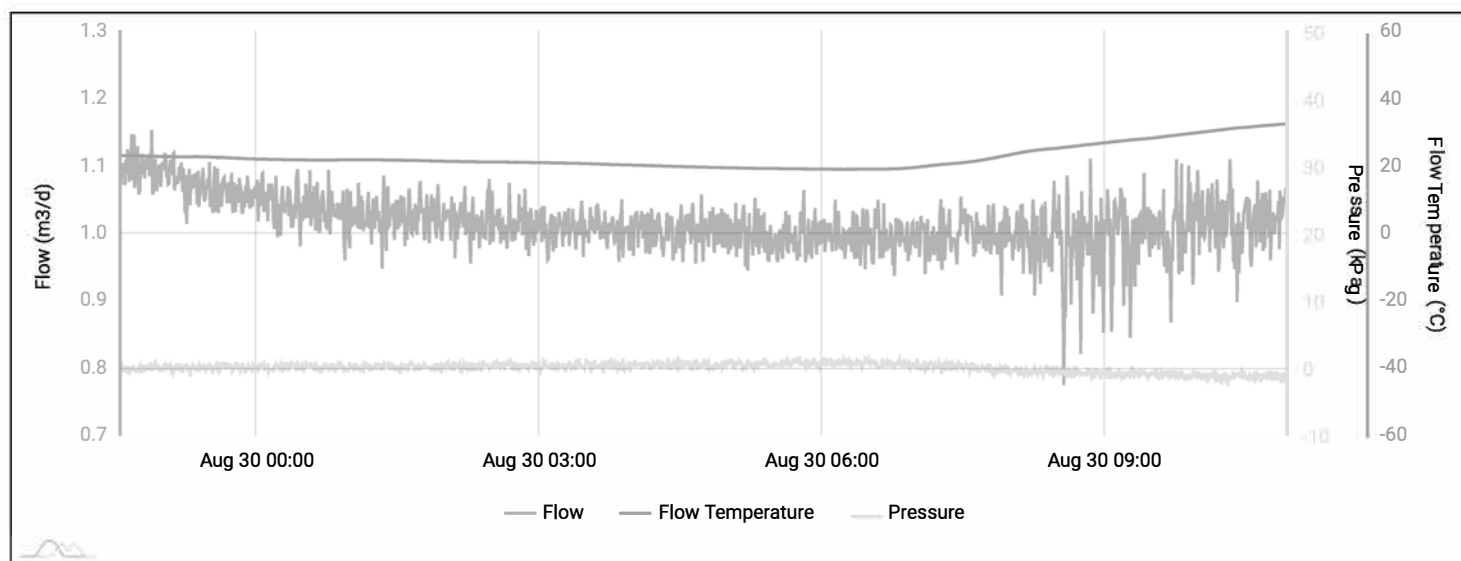
\*Only valid for an unstable shut-in pressure

Shut-in Pressure Duration

**0.0**

hours

## Flow/Pressure/Temperature Timeseries



API Number: 30-005-60097

- <sup>1</sup> Methane Calculation: 717 grams CH<sub>4</sub> per cubic meter (717 x 1.13 m<sup>3</sup>/day = 810.21 g/day total /24 = 33.76 g/hour x 0.00087 (methane concentration) = **0.03 g/hour CH<sub>4</sub>**). **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/m<sup>3</sup>; at 0°C (32°F or 273.15K) at standard atmospheric pressure. In Imperial or US customary measurement system, the density is equal to 0.044 pound per cubic foot [lb/ft<sup>3</sup>].



www.gasmonitor.com  
575.587.3713 2400 W Main Rd. TUCSON AZ 85740

#### C6+ Gas Analysis Report

August 29, 2022

14854G	Double L Queen #6 Pre Plug	Double L Queen #6
Sample Point Code	Sample Point Name	Sample Point Location
Laboratory Services	2022057689	Tedlar Bag
Source Laboratory	Lab File No	Container Identity
USA	USA	USA
District	Area Name	Field Name
Aug 29, 2022 17:00	Aug 29, 2022 17:00	Sep 6, 2022 09:35
Date Sampled	Date Effective	Date Received
		Sep 6, 2022
		Date Reported
Ambient Temp (°F)	Flow Rate (Mcf)	System Administrator
	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)	97.4080	97.407	
CO2 (CO2)	0.0720	0.072	
Methane (C1)	0.0870	0.087	
Ethane (C2)	0.4070	0.407	0.1090
Propane (C3)	0.7410	0.741	0.2040
I-Butane (IC4)	0.1590	0.159	0.0520
N-Butane (NC4)	0.2450	0.245	0.0770
I-Pentane (IC5)	0.1540	0.154	0.0560
N-Pentane (NC5)	0.1490	0.149	0.0540
Hexanes Plus (C6+)	0.5780	0.578	0.2510
TOTAL	100.0000	99.9990	0.8030

Gross Heating Values (Real, BTU/ft <sup>3</sup> )			
14.696 PSI @ 60.00 °F	14.73 PSI @ 60.00 °F		
Dry	Saturated	Dry	Saturated
82.00	81.4	82.2	81.6
Calculated Total Sample Properties			
GPA2145-16 *Calculated at Contract Conditions			
Relative Density Real	Relative Density Ideal		
0.9935	0.9934		
Molecular Weight			
28.7741			
C6+ Group Properties			
Assumed Composition			
C6 - 60.000%	C7 - 30.000%	C8 - 10.000%	
Field H2S			
0 PPM			

PROTEND STATUS: Passed By Validator on Sep 7, 2022  
DATA SOURCE: Imported  
PASSED BY VALIDATOR REASON: Close enough to be considered reasonable.

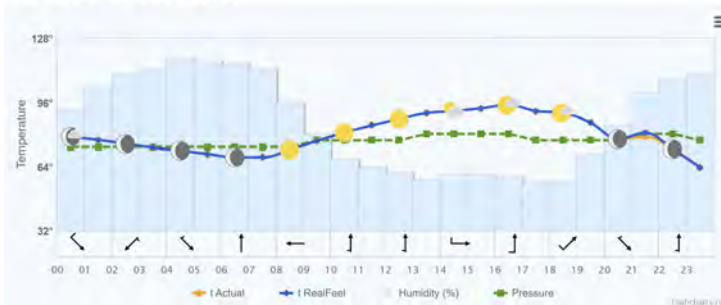
VALIDATOR: Luis Cano  
VALIDATOR COMMENTS: ok

Analyzer Information		
Device Type: Gas Chromatograph	Device Make: Shimadzu	
Device Model: GC-2014	Last Cal Date: Aug 14, 2022	

Source	Date	Notes
Luis Cano	Sep 7, 2022 7:44 am	Methane = 870 PPM

	Atmospheric conditions and temperature °F	RealFeel °F	Atmospheric pressure inHg	Wind speed mph	Humidity
Night	+77°	+77°	26.3	6.5	56%
Morning	+68°	+68°	26.3	4.9	63%
Day	+91°	+91°	26.5	6.3	20%
Evening	+86°	+86°	26.4	9.8	30%

Hourly forecast for 29.08.2022



August 30, 2022

	Atmospheric conditions and temperature °F	RealFeel °F	Atmospheric pressure inHg	Wind speed mph	Humidity
Night	+66°	+66°	26.5	4.5	67%
Morning	+66°	+66°	26.5	4.3	74%
Day	+75°	+75°	26.6	8.7	36%
Evening	+73°	+73°	26.6	5.6	65%

Hourly forecast for 30.08.2022





14854G	Double L Queen #6 Pre Plug	Double L Queen #6	
Sample Point Code	Sample Point Name	Sample Point Location	
Laboratory Services	2022057689	Tedlar Bag	Stacy - Spot
Source Laboratory	Lab File No	Container Identity	Sampler
USA	USA	USA	New Mexico
District	Area Name	Field Name	Facility Name
Aug 29, 2022 17:00	Aug 29, 2022 17:00	Sep 6, 2022 09:35	Sep 6, 2022
Date Sampled	Date Effective	Date Received	Date Reported
System Administrator			
Ambient Temp (°F)	Flow Rate (Mcf)	Analyst	Press PSI @ Temp °F Source Conditions
Well Done Foundation		NG	
Operator		Lab Source Description	

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Hexanes Plus (C6+)	0.5780	0.578	0.2510
TOTAL	100.0000	99.9990	0.8030

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

Analyzer Information			
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Device Model:	GC-2014	Last Cal Date:	Aug 14, 2022

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Field H2S
0 PPM

**PROTREND STATUS:**  
 Passed By Validator on Sep 7, 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	Sep 7, 2022 7:44 am	Methane = 870 PPM

**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 300540

DEFINITIONS

Operator: CANYON E & P COMPANY 251 O'Connor Ridge Blvd. Irving, TX 75038	OGRID: 269864
	Action Number: 300540
	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 300540

**QUESTIONS**

Operator: CANYON E & P COMPANY 251 O'Connor Ridge Blvd. Irving, TX 75038	OGRID: 269864
	Action Number: 300540
	Action Type: [UF-OMA] Pre-Plug Methane Monitoring (UF-OMA-MMA)

**QUESTIONS**

<b>Prerequisites</b>	
[OGRID] Well Operator	[269864] CANYON E & P COMPANY
[API] Well Name and Number	[30-005-60097] DOUBLE L QUEEN UNIT #006
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	08/29/2022
Latitude	33.05145
Longitude	-103.97415

**Monitoring Event Details***Please answer all the questions in this group.*

Flow rate in cubic meters per day (m³/day)	1.13
Test duration in hours (hr)	13.4
Average flow temperature in degrees Celsius (°C)	22.8
Average gauge flow pressure in kilopascals (kPag)	0.1
Methane concentration in part per million (ppm)	870
Methane emission rate in grams per hour (g/hr)	0.03
Testing Method	Steady State

**Monitoring Contractor***Please answer all the questions in this group.*

Name of monitoring contractor	Well Done New Mexico LLC
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