



Test Report

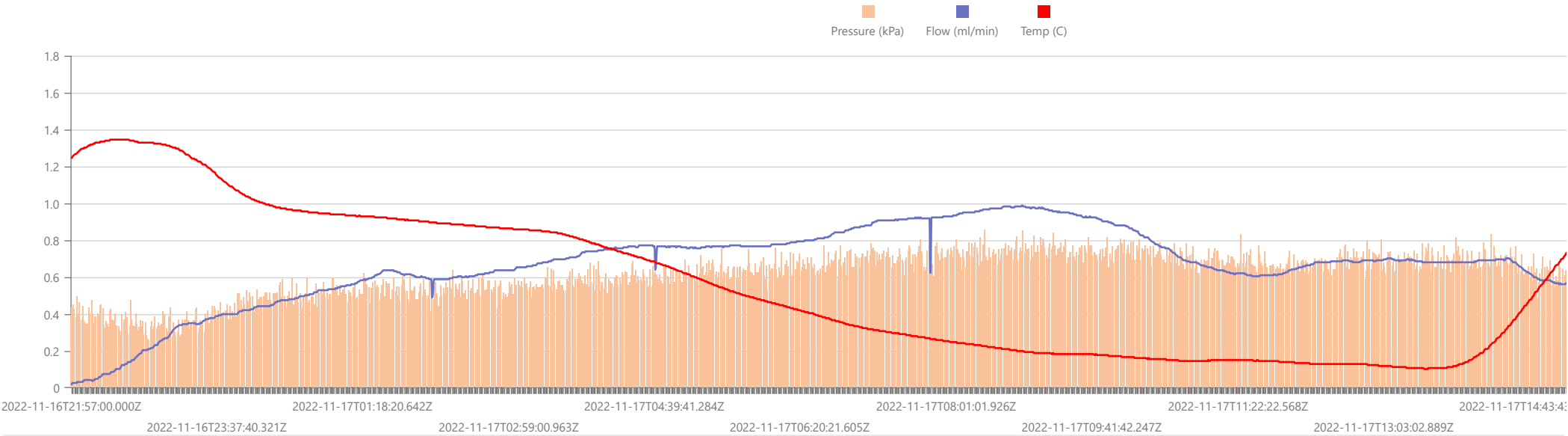
Start Date: Wed Nov 16 2022 21:57:00 GMT+0000 (Coordinated Universal Time) End Date: Thu Nov 17 2022 18:15:13 GMT+0000 (Coordinated Universal Time) Device: VB100-0044 Well Licensee: NMOCD Well Name: Double L Queen #03Y UWI: 30-005-60153 Well License Number: 30-005-60153 Surface Location: Chaves County - Bogle Bottom Hole Location: unknown	Test Operator: Francis Vernwald Authorized By: NMOCD Test Reason: IJJA PRE PLUG Scope Of Work: 12-hr AFE Number: NMOCD0038AA / APWS22.001 GPS: 33.04056,-103.97425 Notes: GTG - Mmonitoring casing flow Prepared By: Curtis Shuck, QMS
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Flow / Pressure Test

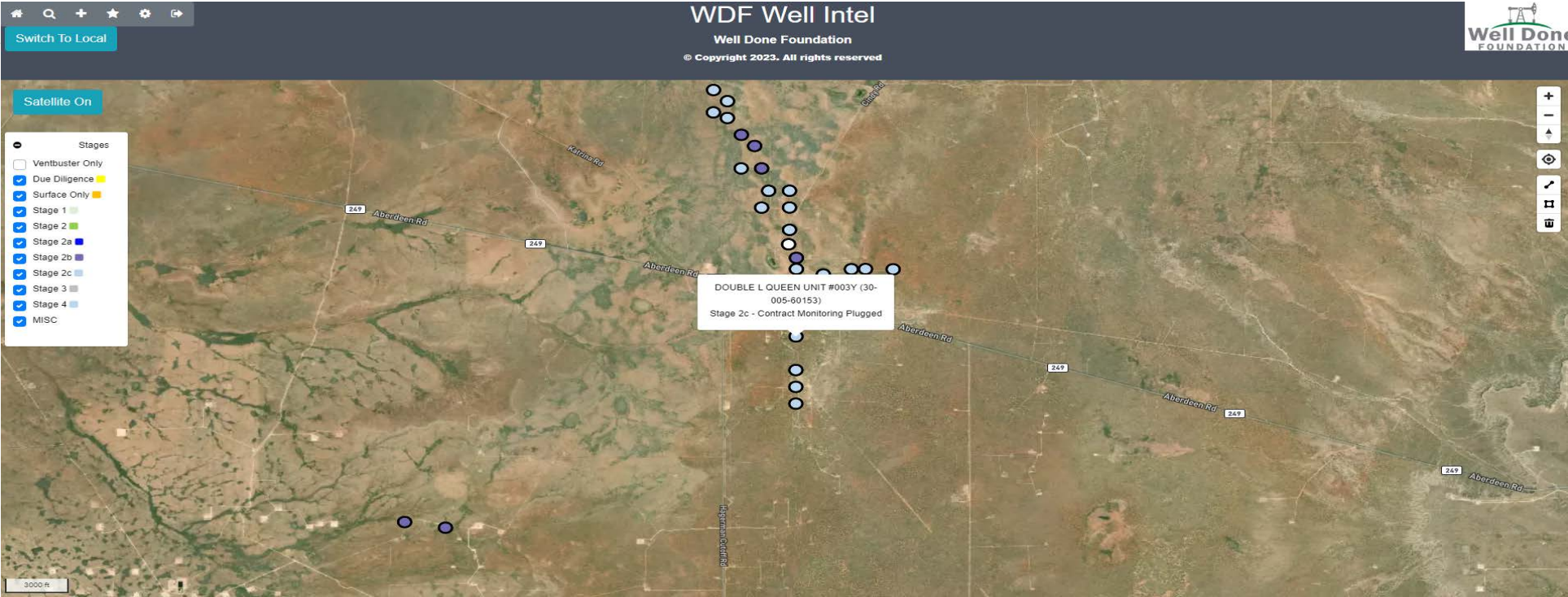
Flow Duration 20 hrs 16 minutes Duration	Average Flowrate 0.6693 m3/d	Average Pressure 5.9475 kPag	Average Flow Temperature 0.7623 °C	Average CH4 Mass 0.36 g/hr
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Methane Calculation: 717 grams CH4 per cubic meter (717 g/m³ x 0.6693 m³/day = 479.89 g/day total /24 = 20.00 g/hour x 0.01802 (methane concentration) = **0.36 g/hour CH4**). **Methane, gas** weighs 0.000717 *gram per cubic centimeter* or 0.717 *kilgram 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	2022-11-17	Measure unit 1 explored location and well photos we're taken of location and well a gas detection was done with a 4 gas monitor methane gas was detected on casing flow a gas sample was taken and vent buster equipment was rigged up on 11/16/22
2	2022-11-17	Measure team 1 took a gas sample and rigged down vent buster equipment







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C6+ Gas Analysis Report

15372G

Sample Point Code

Double L Queen #03Y Pre Plug

Sample Point Name

Double L Queen #03Y

Sample Point Location

Laboratory Services

Source Laboratory

2022060546

Lab File No

Tedlar Bag

Container Identity

FV - Spot

Sampler

USA

District

USA

Area Name

USA

Field Name

New Mexico

Facility Name

Nov 16, 2022 14:43

Date Sampled

Nov 16, 2022 14:43

Date Effective

Nov 23, 2022 09:01

Date Received

Nov 23, 2022

Date Reported

System Administrator

Ambient Temp (°F)

Flow Rate (Mcf)

Analyst

Press PSI @ Temp °F

Source Conditions

Well Done Foundation

Operator

NG

Lab Source Description

Component	Normalized Mol %	Un-Normalized Mol %	GPM
H2S (H2S)	0.0000	0	
Nitrogen (N2)	95.1570	95.156	
CO2 (CO2)	0.1100	0.11	
Methane (C1)	1.8020	1.802	
Ethane (C2)	0.6030	0.603	0.1610
Propane (C3)	0.4680	0.468	0.1290
I-Butane (IC4)	0.1130	0.113	0.0370
N-Butane (NC4)	0.2560	0.256	0.0810
I-Pentane (IC5)	0.1440	0.144	0.0530
N-Pentane (NC5)	0.1320	0.132	0.0480
Hexanes Plus (C6+)	1.2150	1.215	0.5270
TOTAL	100.0000	99.9990	1.0360

Gross Heating Values (Real, BTU/ft³)

14.696 PSI @ 60.00 Å°F 14.73 PSI @ 60.00 Å°F

Dry Saturated Dry Saturated

126.4 125.2 126.7 125.5

Calculated Total Sample Properties

GPA2145-16 *Calculated at Contract Conditions

Relative Density Real Relative Density Ideal

0.9991 0.9989

Molecular Weight

28.9277

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 23, 2022

DATA SOURCE:

Imported

PASSED BY VALIDATOR REASON:

Close enough to be considered reasonable.

VALIDATOR:

Luis Cano

VALIDATOR COMMENTS:

ok

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

Analyzer Information

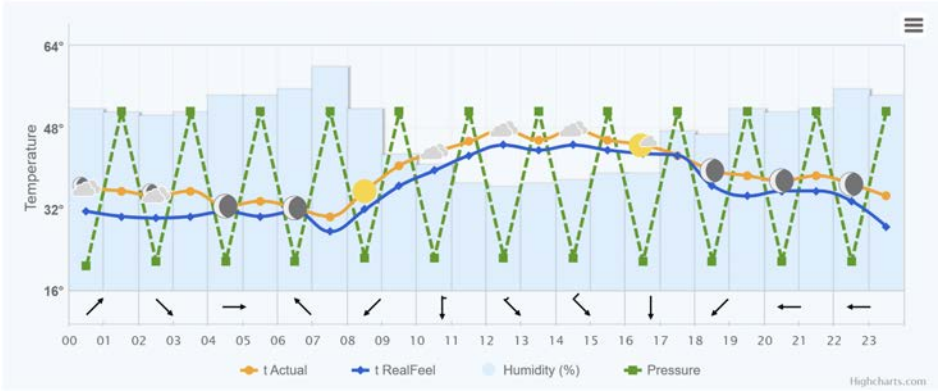
Device Type: Gas Chromatograph Device Make: Shimadzu

Device Model: GC-2014 Last Cal Date: Sep 26, 2022

Source	Date	Notes
Luis Cano	Nov 23, 2022 2:25 pm	Methane: 18,020 PPM

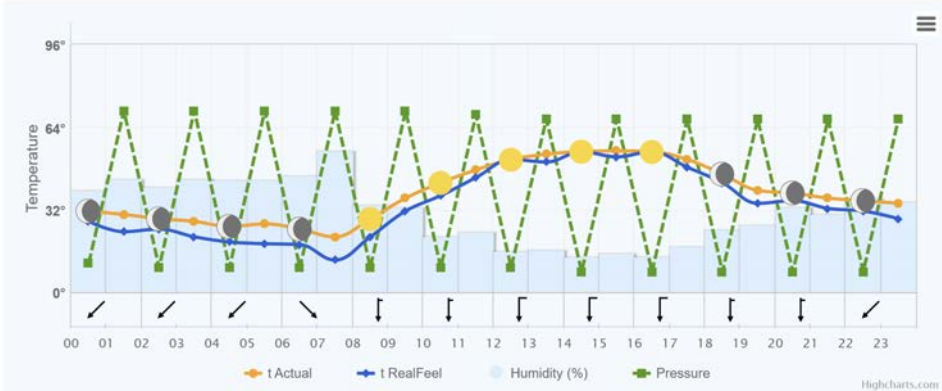
	Atmospheric conditions and temperature °F	RealFeel °F	Atmospheric pressure inHg	Wind speed mph	Humidity
Night	+36°	+30°	30.4	SE 6.5	55%
Morning	+30°	+27°	30.4	SE 4.5	69%
Day	+45°	+43°	30.4	SE 4.9	33%
Evening	+39°	+34°	30.4	SW 9.8	56%

Hourly forecast for 16.11.2022



	Atmospheric conditions and temperature °F	RealFeel °F	Atmospheric pressure inHg	Wind speed mph	Humidity
Night	+30°	+23°	30.4	SW 6.9	69%
Morning	+21°	+12°	30.4	S 8.3	86%
Day	+54°	+50°	30.2	S 6	26%
Evening	+39°	+34°	30.2	S 8.7	41%

Hourly forecast for 17.11.2022





15372G	Double L Queen #03Y Pre Plug		Double L Queen #03Y
Sample Point Code	Sample Point Name		Sample Point Location
Laboratory Services	2022060546	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 16, 2022 14:43	Nov 16, 2022 14:43	Nov 23, 2022 09:01	Nov 23, 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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Device Model:	GC-2014	Last Cal Date:	Sep 26, 2022

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VALIDATOR:

Luis Cano

VALIDATOR COMMENTS:

ok

Source	Date	Notes
Luis Cano	Nov 23, 2022 2:25 pm	Methane: 18,020 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 300521

DEFINITIONS

Operator: CANYON E & P COMPANY 251 O'Connor Ridge Blvd. Irving, TX 75038	OGRID: 269864
	Action Number: 300521
	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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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 300521

QUESTIONS

Operator: CANYON E & P COMPANY 251 O'Connor Ridge Blvd. Irving, TX 75038	OGRID: 269864
	Action Number: 300521
	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	[30-005-60153] DOUBLE L QUEEN UNIT #003Y
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	11/16/2022
Latitude	33.04056
Longitude	-103.97425

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

Flow rate in cubic meters per day (m³/day)	0.67
Test duration in hours (hr)	20.2
Average flow temperature in degrees Celsius (°C)	0.7
Average gauge flow pressure in kilopascals (kPag)	5.9
Methane concentration in part per million (ppm)	18,020
Methane emission rate in grams per hour (g/hr)	0.36
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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