



Test Report

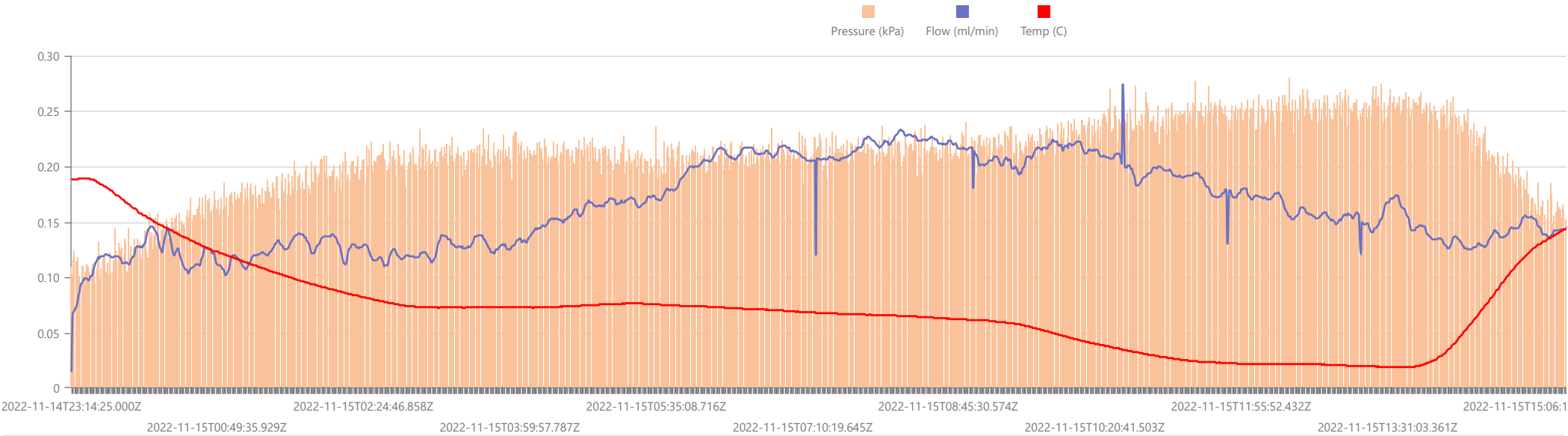
Start Date: Mon Nov 14 2022 23:14:25 GMT+0000 (Coordinated Universal Time) End Date: Tue Nov 15 2022 18:26:13 GMT+0000 (Coordinated Universal Time) Device: VB100-0054 Well Licensee: NMOCD Well Name: double l queen 3 UWI: 30-005-20346 Well License Number: 30-005-20346 Surface Location: double l queen Bottom Hole Location: unknown	Test Operator: f.v. Authorized By: NMOCD Test Reason: IJJA/PRE PLUG Scope Of Work: 12-Hour AFE Number: NMOCD038AA/APWS22.001 GPS: 33.05138,-103.95919 Notes: monitoring casing flow Prepared By: Curtis Shuck, QMS
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Flow / Pressure Test

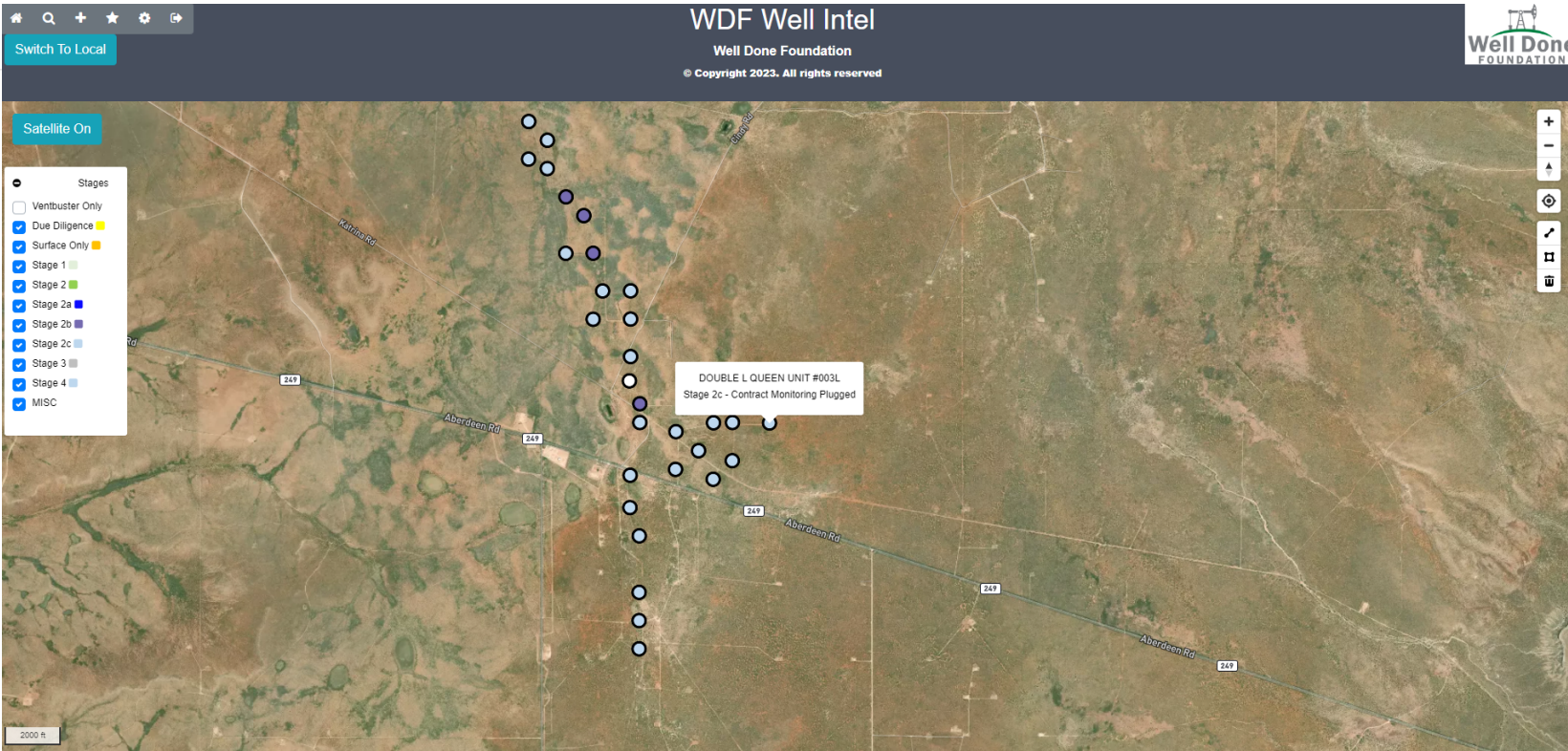
Flow Duration 19 hrs 10 minutes Duration	Average Flowrate 0.1714 m3/d	Average Pressure 7.7471 kPag	Average Flow Temperature 4.2191 °C	Average CH4 Mass 0.01 g/hr
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Methane Calculation: 717 grams CH4 per cubic meter (717 g/m³ x 0.1714 m³/day = 122.89 g/day total /24 = 5.12 g/hour x 0.00177 (methane concentration) = **0.01 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	2022-11-15	FV: Back on location. Stop VB Test. Rig Down VB100-054. Place Green Ribbon.. Secure location.
2	2022-11-14	CES: on location w/ WDF Measure 1. Update GPS. Photos. Gas Sample. Rig up VB100-54





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C6+ Gas Analysis Report

15340G	Double L Queen #03L		Double L Queen #03L
Sample Point Code	Sample Point Name		Sample Point Location
Laboratory Services	2022060364	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 16:02	Nov 14, 2022 16:02	Nov 18, 2022 07:51	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)	98.2460	98.24497	
CO2 (CO2)	0.0560	0.05647	
Methane (C1)	0.1770	0.17679	
Ethane (C2)	0.2670	0.26717	0.0710
Propane (C3)	0.1090	0.10909	0.0300
I-Butane (IC4)	0.0120	0.01218	0.0040
N-Butane (NC4)	0.0310	0.03105	0.0100
I-Pentane (IC5)	0.0000	0	0.0000
N-Pentane (NC5)	0.0000	0	0.0000
Hexanes Plus (C6+)	1.1020	1.10228	0.4780
TOTAL	100.0000	100.0000	0.5930

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 18, 2022 4:10 pm	Methane: 1,770 PPM

Gross Heating Values (Real, BTU/ft³)			
14.696 PSI @ 60.00 Å°F		14.73 PSI @ 60.00 Å°F	
Dry	Saturated	Dry	Saturated
67.4	67.2	67.6	67.4
Calculated Total Sample Properties			
GPA2145-16 *Calculated at Contract Conditions			
Relative Density Real		Relative Density Ideal	
0.9929		0.9929	
Molecular Weight			
28.7554			
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.

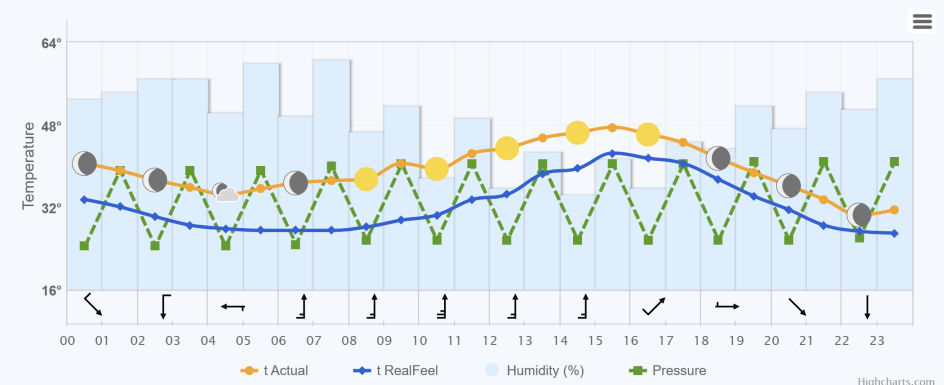
VALIDATOR:
Luis Cano

VALIDATOR COMMENTS:
OK

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%

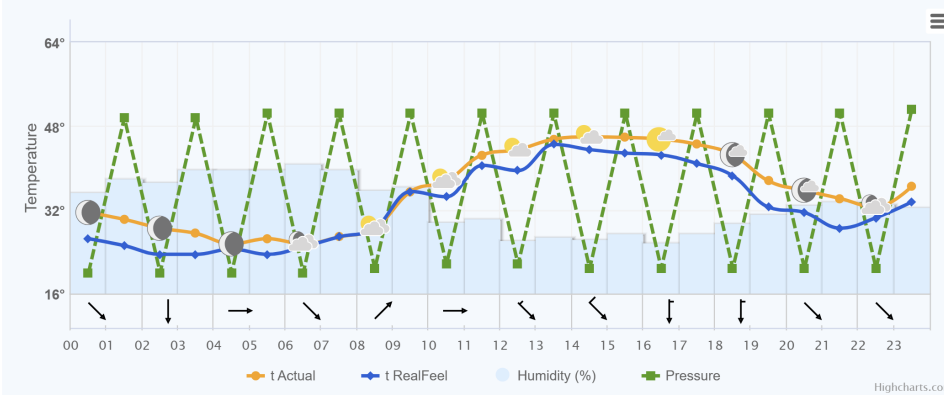
Hourly forecast for 14.11.2022



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%

Hourly forecast for 15.11.2022





15340G	Double L Queen #03L	Double L Queen #03L	
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Calculated Total Sample Properties	
GPA2145-16 *Calculated at Contract Conditions	
Relative Density Real	Relative Density Ideal
0.9929	0.9929
Molecular Weight	
28.7554	

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

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 300526

DEFINITIONS

Operator: CANYON E & P COMPANY 251 O'Connor Ridge Blvd. Irving, TX 75038	OGRID: 269864
	Action Number: 300526
	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
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1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 300526

QUESTIONS

Operator: CANYON E & P COMPANY 251 O'Connor Ridge Blvd. Irving, TX 75038	OGRID: 269864
	Action Number: 300526
	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	[30-005-20346] DOUBLE L QUEEN UNIT #003L
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	33.05138
Longitude	-103.95919

Monitoring Event Details

Please answer all the questions in this group.

Flow rate in cubic meters per day (m³/day)	0.17
Test duration in hours (hr)	19.1
Average flow temperature in degrees Celsius (°C)	4.2
Average gauge flow pressure in kilopascals (kPag)	7.7
Methane concentration in part per million (ppm)	1,770
Methane emission rate in grams per hour (g/hr)	0.01
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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