



Test Report

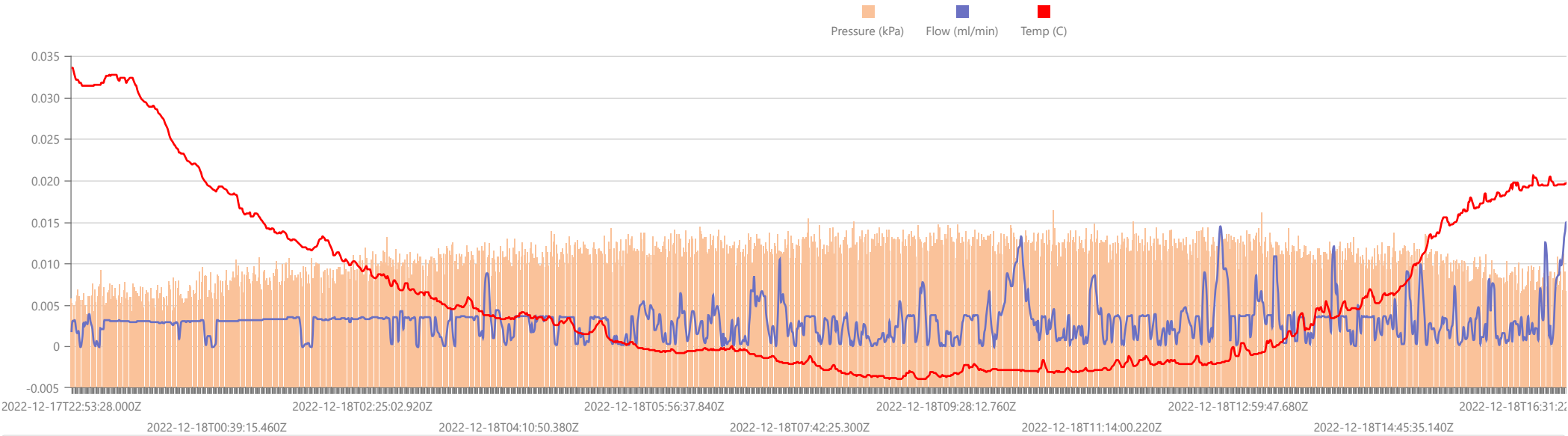
Start Date: Sat Dec 17 2022 22:53:28 GMT+0000 (Coordinated Universal Time) End Date: Sun Dec 18 2022 20:13:38 GMT+0000 (Coordinated Universal Time) Device: VB100-0044 Well Licensee: NMOCD Well Name: NANCY 001 UWI: 30-005-61267 Well License Number: 30-005-61267 Surface Location: CHAVEZ COUNTY Bottom Hole Location: UNKNOWN	Test Operator: f.v. Authorized By: NMOCD Test Reason: IJJA/PRE PLUG Scope Of Work: 12-HR AFE Number: 52100-0000072998 GPS: 33.64270,-104.03347 Notes: MONITORING CASING FLOW Prepared By: Curtis Shuck, QMS
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Flow / Pressure Test

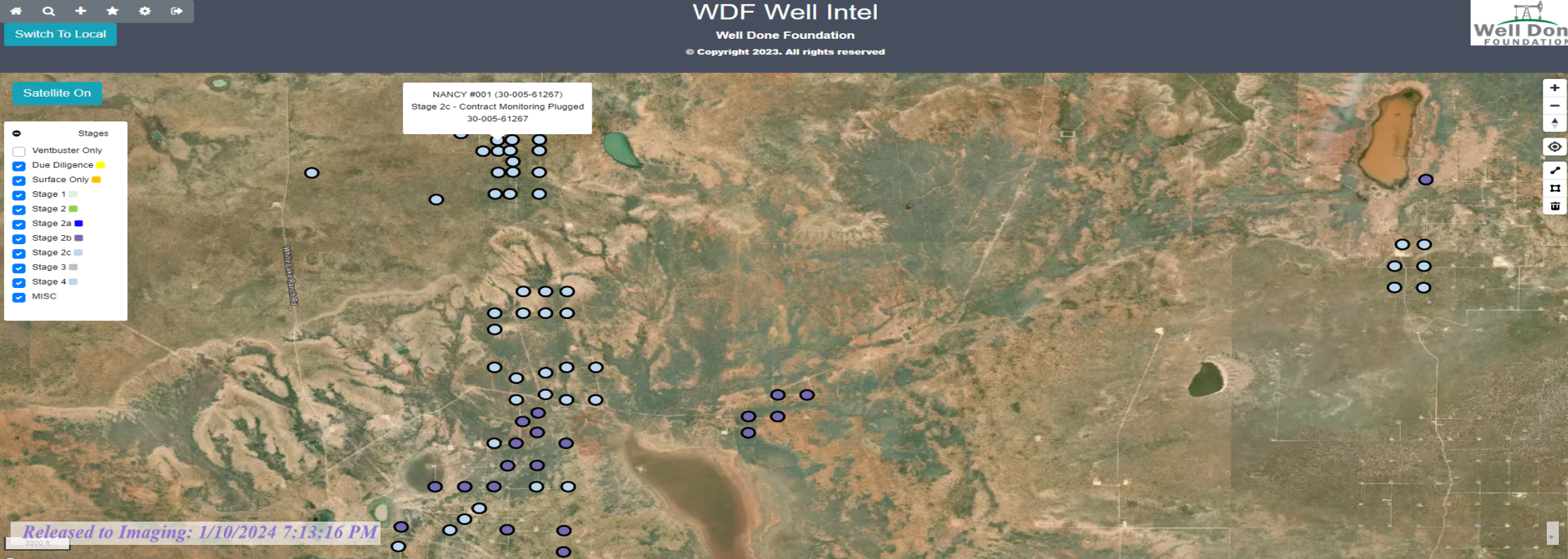
Flow Duration 21 hrs 18 minutes Duration	Average Flowrate 0.0039 m3/d	Average Pressure 6.0417 kPag	Average Flow Temperature -0.2810 °C	Average CH4 Mass 0.00 g/hr
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**Methane Calculation:** 717 grams CH4 per cubic meter (717 g/m³ x 0.0039 m³/day = 2.80 g/day total /24 = 0.12 g/hour x 0 (methane concentration) = **0.00 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	2022-12-18	Back on location. Stop test & rig down VB100-044. Secure location.
2	2022-12-17	On location with WDF Measure1. Collect Gas Sample. Rig up VB100-044 for Methane Flow & Quantification. Site Photos. Update GPS.









Laboratory Services  
Natural Gas Analysis

www.permianls.com  
575.397.3713 2609 W Marland Hobbs NM 88240

15542G	Nancy #001 Pre Plug		Nancy #001 Casing Flow Test	
Sample Point Code	Sample Point Name		Sample Point Location	
Laboratory Services	2022061759	Tedlar Bar	Francis V. - Spot	
Source Laboratory	Lab File No	Container Identity	Sampler	
USA	USA	USA	New Mexico	
District	Area Name	Field Name	Facility Name	
Dec 17, 2022 15:38	Dec 17, 2022 15:38	Dec 22, 2022 14:15	Dec 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	

Component	Normalized Mol %	Un-Normalized Mol %	GPM
H2S (H2S)	0.0000	0	
Nitrogen (N2)	98.8970	98.897	
CO2 (CO2)	0.0550	0.055	
Methane (C1)	0.0000	0	
Ethane (C2)	0.0190	0.019	0.0050
Propane (C3)	0.0470	0.047	0.0130
I-Butane (IC4)	0.0100	0.01	0.0030
N-Butane (NC4)	0.0280	0.028	0.0090
I-Pentane (IC5)	0.0000	0	0.0000
N-Pentane (NC5)	0.0000	0	0.0000
Hexanes Plus (C6+)	0.9440	0.944	0.4100
TOTAL	100.0000	100.0000	0.4400

Gross Heating Values (Real, BTU/ft³)			
14.696 PSI @ 60.00 Å°F		14.73 PSI @ 60.00 Å°F	
Dry	Saturated	Dry	Saturated
51.4	51.4	51.5	51.5
Calculated Total Sample Properties			
GPA2145-16 *Calculated at Contract Conditions			
Relative Density Real		Relative Density Ideal	
0.9894		0.9894	
Molecular Weight			
28.6568			
C6+ Group Properties			
Assumed Composition			
C6 - 60.000%	C7 - 30.000%	C8 - 10.000%	
Field H2S			
0 PPM			

**PROTREND STATUS:**  
Passed By Validator on Dec 27, 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:	Sep 26, 2022

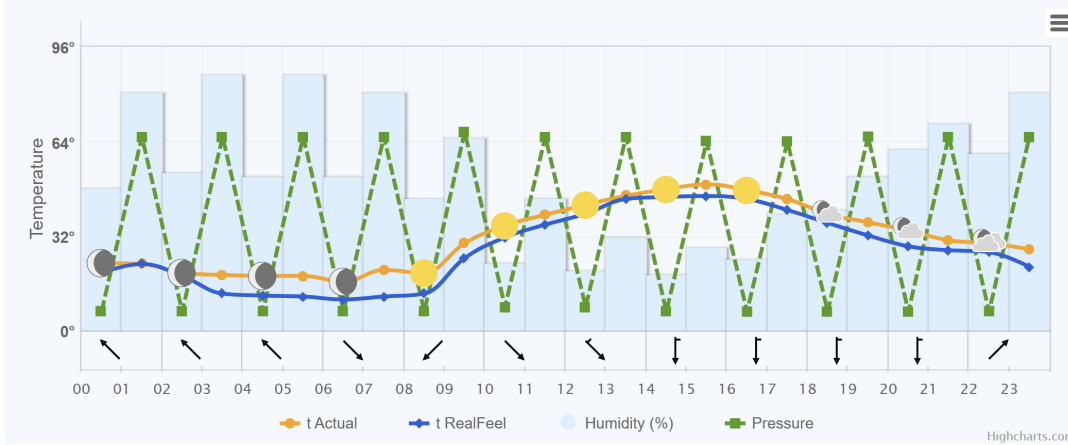
Source	Date	Notes
Brooke Rush	Dec 27, 2022 8:21 am	Luis Cano Dec. 27,2022 8:09 AM Methane=0 PPM
Luis Cano	Dec 27, 2022 8:51 am	Methane: 0 PPM

intel\_data\_client









December 17, 2022

	Atmospheric conditions and temperature °F	RealFeel °F	Atmospheric pressure inHg	Wind speed mph	Humidity
Night	 +23°	+23°	30.1	 S 2.7	63%
Morning	 +21°	+12°	30.1	 S 7.4	63%
Day	 +46°	+45°	30.1	 S 4.5	25%
Evening	 +37°	+32°	30.1	 S 6.9	41%

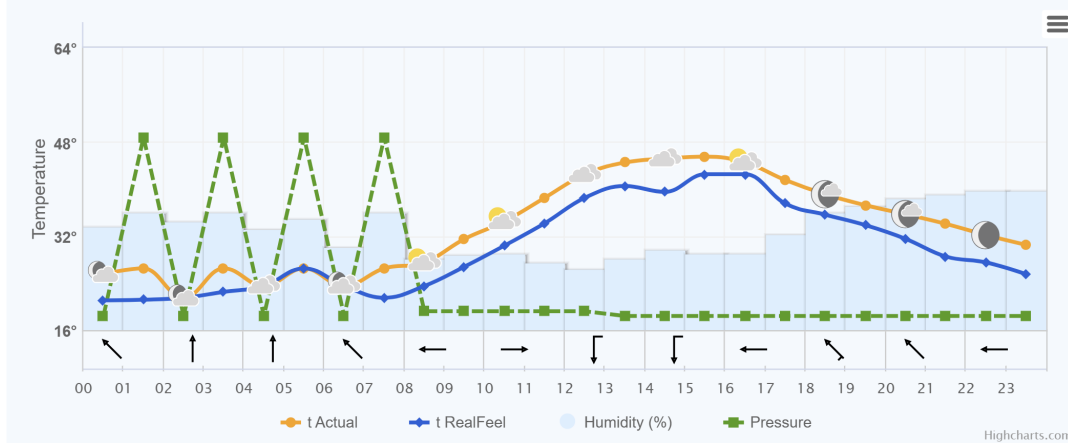
Hourly forecast for 17.12.2022



December 18, 2022

	Atmospheric conditions and temperature °F	RealFeel °F	Atmospheric pressure inHg	Wind speed mph	Humidity
Night	 +27°	+21°	30.1	 SE 4.5	63%
Morning	 +27°	+21°	30.1	 SE 4.7	63%
Day	 +45°	+41°	26.3	 S 5.6	38%
Evening	 +37°	+34°	26.3	 NE 4.3	66%

Hourly forecast for 18.12.2022





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## C6+ Gas Analysis Report

15542G

Nancy #001 Pre Plug

Nancy #001 Casing Flow Test

Sample Point Code

Sample Point Name

Sample Point Location

Laboratory Services

2022061759

Tedlar Bar

Francis V. - Spot

Source Laboratory

Lab File No

Container Identity

Sampler

USA

USA

USA

New Mexico

District

Area Name

Field Name

Facility Name

Dec 17, 2022 15:38

Dec 17, 2022 15:38

Dec 22, 2022 14:15

Dec 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

Component	Normalized Mol %	Un-Normalized Mol %	GPM
H2S (H2S)	0.0000	0	
Nitrogen (N2)	98.8970	98.897	
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N-Butane (NC4)	0.0280	0.028	0.0090
I-Pentane (IC5)	0.0000	0	0.0000
N-Pentane (NC5)	0.0000	0	0.0000
Hexanes Plus (C6+)	0.9440	0.944	0.4100
TOTAL	100.0000	100.0000	0.4400

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

Gross Heating Values (Real, BTU/ft³)			
14.696 PSI @ 60.00 Å°F	14.73 PSI @ 60.00 Å°F		
Dry	Saturated	Dry	Saturated
51.4	51.4	51.5	51.5

Calculated Total Sample Properties	
GPA2145-16 *Calculated at Contract Conditions	
Relative Density Real	Relative Density Ideal
0.9894	0.9894
Molecular Weight	
28.6568	

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

Field H2S
0 PPM

## PROTREND STATUS:

Passed By Validator on Dec 27, 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: Sep 26, 2022

Source	Date	Notes
Brooke Rush	Dec 27, 2022 8:21 am	Luis Cano Dec. 27,2022 8:09 AM Methane=0 PPM
Luis Cano	Dec 27, 2022 8:51 am	Methane: 0 PPM



**District I**  
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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 302401

DEFINITIONS

Operator: CANYON E & P COMPANY 251 O'Connor Ridge Blvd. Irving, TX 75038	OGRID: 269864
	Action Number: 302401
	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 302401

**QUESTIONS**

Operator: CANYON E & P COMPANY 251 O'Connor Ridge Blvd. Irving, TX 75038	OGRID: 269864
	Action Number: 302401
	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	[30-005-61267] NANCY #001
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	12/17/2022
Latitude	33.64270
Longitude	-104.03347

**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)	21.1
Average flow temperature in degrees Celsius (°C)	0.2
Average gauge flow pressure in kilopascals (kPag)	6.0
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
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