



Test Report

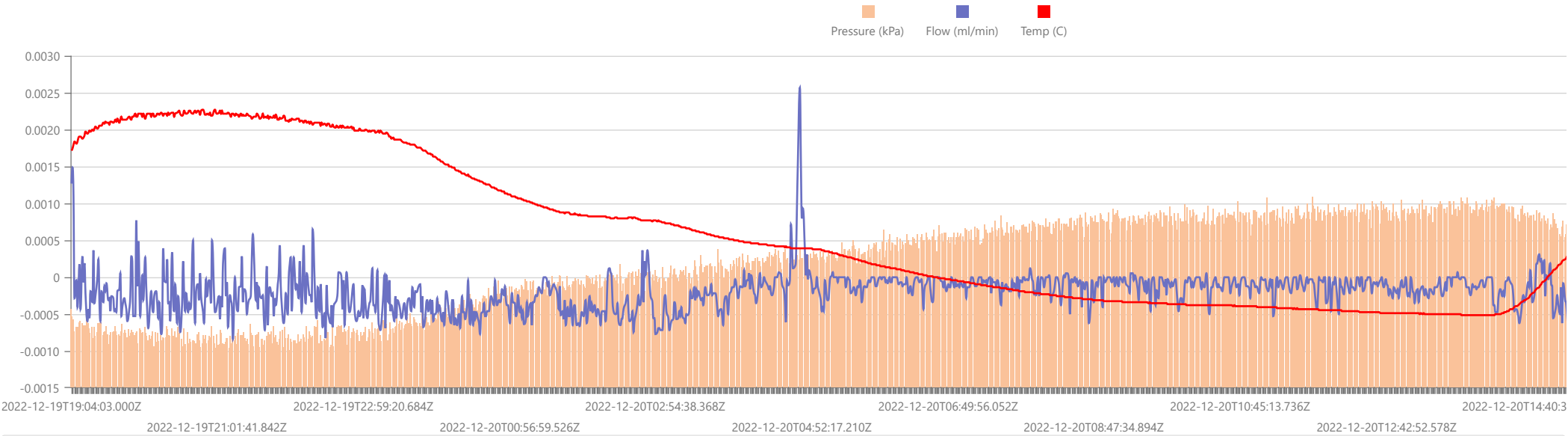
<div>Start Date: Mon Dec 19 2022 19:04:03 GMT+0000 (Coordinated Universal Time)</div> <div>End Date: Tue Dec 20 2022 18:47:41 GMT+0000 (Coordinated Universal Time)</div> <div>Device: VB100-0005</div> <div>Well Licensee: NMOCD</div> <div>Well Name: SEANNA 001</div> <div>UWI: 30-005-60604</div> <div>Well License Number: 30-005-60604</div> <div>Surface Location: CHAVES COUNTY</div> <div>Bottom Hole Location: UNKNOWN</div>	<div>Test Operator: F.V.</div> <div>Authorized By: NMOCD</div> <div>Test Reason: IJJA/PRE PLUG</div> <div>Scope Of Work: 12-HR</div> <div>AFE Number: 52100-0000072998</div> <div>GPS: 33.64082,-104.03559</div> <div>Notes: MONITORING CASING FLOW</div> <div>Prepared By: Curtis Shuck, QMS</div>
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Flow / Pressure Test

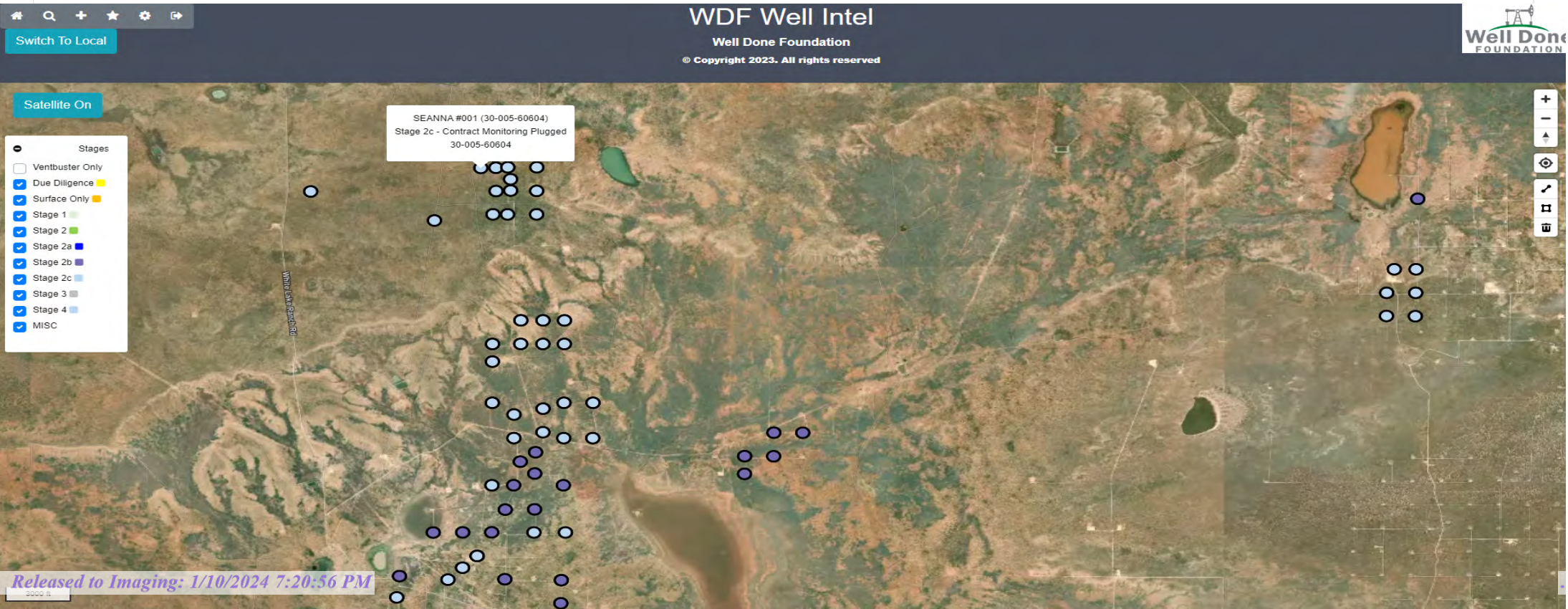
<div>Flow Duration</div> <div>23 hrs 42 minutes</div> <div>Duration</div>	<div>Average Flowrate</div> <div>-0.0003</div> <div>m3/d</div>	<div>Average Pressure</div> <div>6.6493</div> <div>kPag</div>	<div>Average Flow Temperature</div> <div>6.8343</div> <div>°C</div>	<div>Average CH4 Mass</div> <div>-0.00 g/hr</div>
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Methane Calculation: 717 grams CH4 per cubic meter (717 g/m³ x -0.0003 m³/day = -0.22 g/day total /24 = -0.01 g/hour x 0.0202 (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	2022-12-20	Fgv:rigged down vb 005
2	2022-12-19	Fgv: measure team 1 was on location today @1:00 took pictures n,e,s,w also took a 4 gas monitor sample and gas sample and rigged up vb#005





15548G

Sample Point Code

Seanna #001 Pre Plug

Sample Point Name

Seanna #001 Casing

Sample Point Location

Laboratory Services

Source Laboratory

USA

District

Dec 19, 2022 11:49

Date Sampled

Ambient Temp (°F)

Flow Rate (Mcf)

System Administrator

Analyst

Press PSI @ Temp °F

Source Conditions

Well Done Foundation

Operator

2022061765

Lab File No

USA

Area Name

Dec 19, 2022 11:49

Date Effective

28210726

Container Identity

Francis V. - Spot

Sampler

New Mexico

Facility Name

Dec 22, 2022 14:39

Date Received

Dec 23, 2022

Date Reported

NG

Lab Source Description

Component	Normalized Mol %	Un-Normalized Mol %	GPM
H2S (H2S)	0.0000	0	
Nitrogen (N2)	94.6260	94.626	
CO2 (CO2)	0.6260	0.626	
Methane (C1)	2.0200	2.02	
Ethane (C2)	0.5630	0.563	0.1510
Propane (C3)	0.3660	0.366	0.1010
I-Butane (IC4)	0.0550	0.055	0.0180
N-Butane (NC4)	0.1530	0.153	0.0480
I-Pentane (IC5)	0.0820	0.082	0.0300
N-Pentane (NC5)	0.1090	0.109	0.0400
Hexanes Plus (C6+)	1.4000	1.4	0.6070
TOTAL	100.0000	100.0000	0.9950

Gross Heating Values (Real, BTU/ft³)			
14.696 PSI @ 60.00 Å°F		14.73 PSI @ 60.00 Å°F	
Dry	Saturated	Dry	Saturated
126.2	125.000	126.5	125.3

Calculated Total Sample Properties			
GPA2145-16 *Calculated at Contract Conditions			
Relative Density Real		Relative Density Ideal	
1.0014		1.0012	
Molecular Weight		29.0015	

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

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

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

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

Source	Date	Notes

VALIDATOR:
Luis Cano

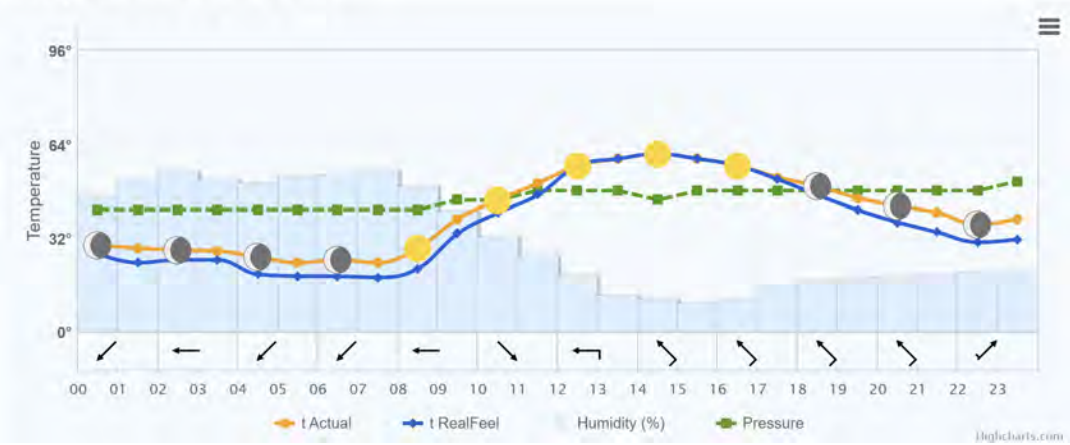
VALIDATOR COMMENTS:
OK

C6+ Gas Analysis Report

December 19, 2022

	Atmospheric conditions and temperature °F	RealFeel °F	Atmospheric pressure inHg	Wind speed mph	Humidity
Night	+28°	+23°	26.3	► W 4.5	82%
Morning	+23°	+18°	26.3	◄ SW 4.9	86%
Day	+59°	+59°	26.5	► W 9.6	20%
Evening	+45°	+41°	26.5	▲ NW 8.3	29%

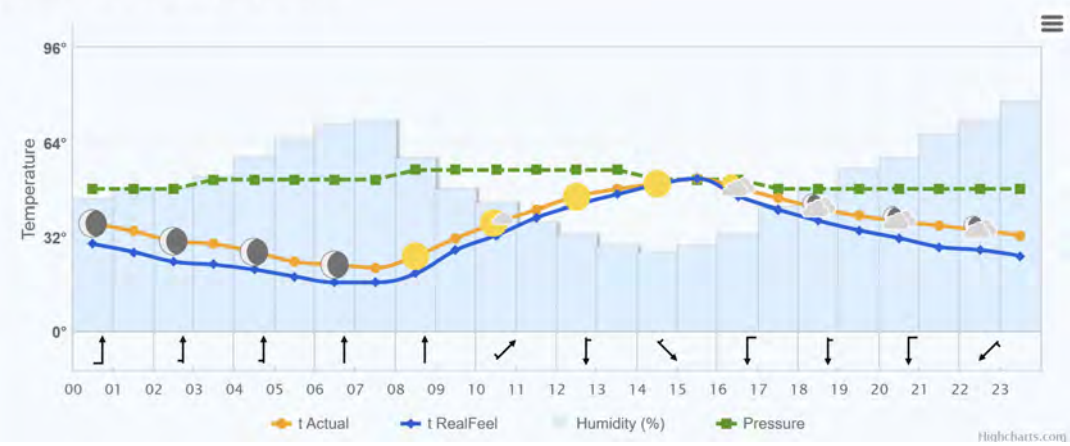
Hourly forecast for 19.12.2022



December 20, 2022

	Atmospheric conditions and temperature °F	RealFeel °F	Atmospheric pressure inHg	Wind speed mph	Humidity
Night	+34°	+27°	26.5	▼ N 6.7	38%
Morning	+21°	+16°	26.6	▼ N 4	56%
Day	+48°	+46°	26.7	▼ SE 6.3	23%
Evening	+39°	+34°	26.5	▲ S 6.9	43%

Hourly forecast for 20.12.2022





15548G	Seanna #001 Pre Plug	Seanna #001 Casing	
Sample Point Code	Sample Point Name	Sample Point Location	
Laboratory Services	2022061765	Tedlar Bag	Francis V. - Spot
Source Laboratory	Lab File No	Container Identity	Sampler
USA	USA	USA	New Mexico
District	Area Name	Field Name	Facility Name
Dec 19, 2022 11:49	Dec 19, 2022 11:49	Dec 22, 2022 14:39	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	
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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

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	Dec 27, 2022 8:47 am	Methane: 20,200 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 302403

DEFINITIONS

Operator: CANYON E & P COMPANY 251 O'Connor Ridge Blvd. Irving, TX 75038	OGRID: 269864
	Action Number: 302403
	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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Energy, Minerals and Natural Resources
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Santa Fe, NM 87505

QUESTIONS

Action 302403

QUESTIONS

Operator: CANYON E & P COMPANY 251 O'Connor Ridge Blvd. Irving, TX 75038	OGRID: 269864
	Action Number: 302403
	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	[30-005-60604] SEANNA #001
Well Status	Reclamation Fund Approved

Monitoring Event Information	
Please answer all the questions in this group.	
Reason For Filing	Pre-Plug Methane Monitoring
Date of monitoring	12/19/2022
Latitude	33.64082
Longitude	-104.03559

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)	23.7
Average flow temperature in degrees Celsius (°C)	6.8
Average gauge flow pressure in kilopascals (kPag)	6.6
Methane concentration in part per million (ppm)	20,200
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