Test Report

Start Date: Sat Dec 17 2022 22:15:13 GMT+0000 (Coordinated Universal Time)
End Date: Sun Dec 18 2022 20:59:48 GMT+0000 (Coordinated Universal Time)
Device: VB100-0052
Well Licensee: NMOCD
Well Name: ELIZABETH 001
UWI: 30-005-60610
Well License Number: 30-005-60610
Surface Location: CHAVEZ COUNTY
Bottom Hole Location: UNKNOWN

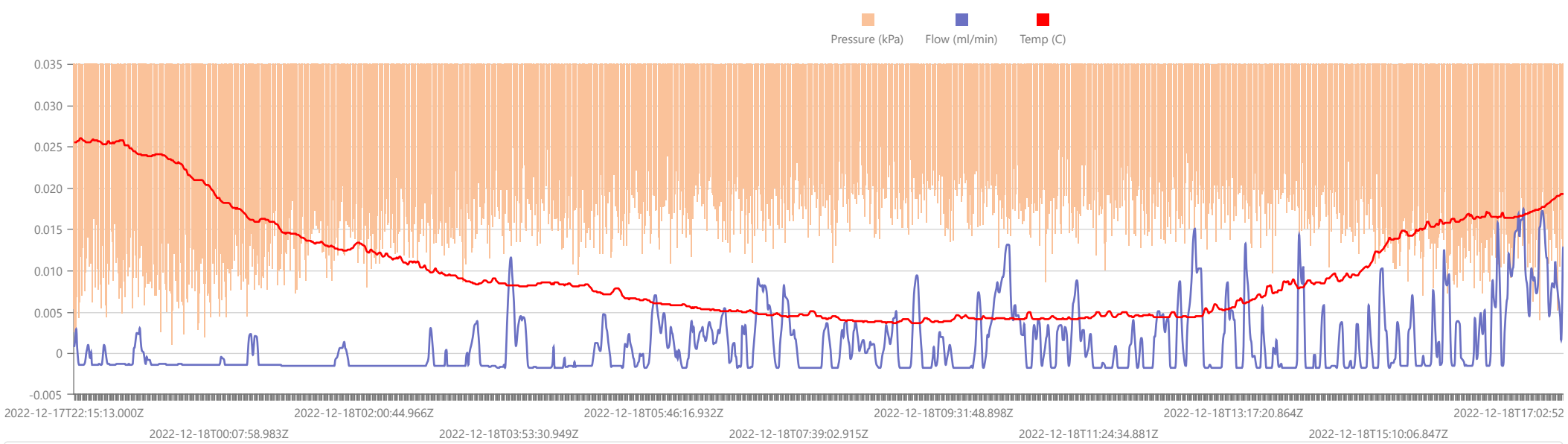
Test Operator: f.v.
Authorized By: NMOCD
Test Reason: IIJA/PRE PLUG
Scope Of Work: 12-HR
AFE Number: 52100-0000072998
GPS: 33.64089,-104.03123
Notes: MONITORING CASING FLOW
Prepared By: Curtis Shuck, QMS

Flow / Pressure Test

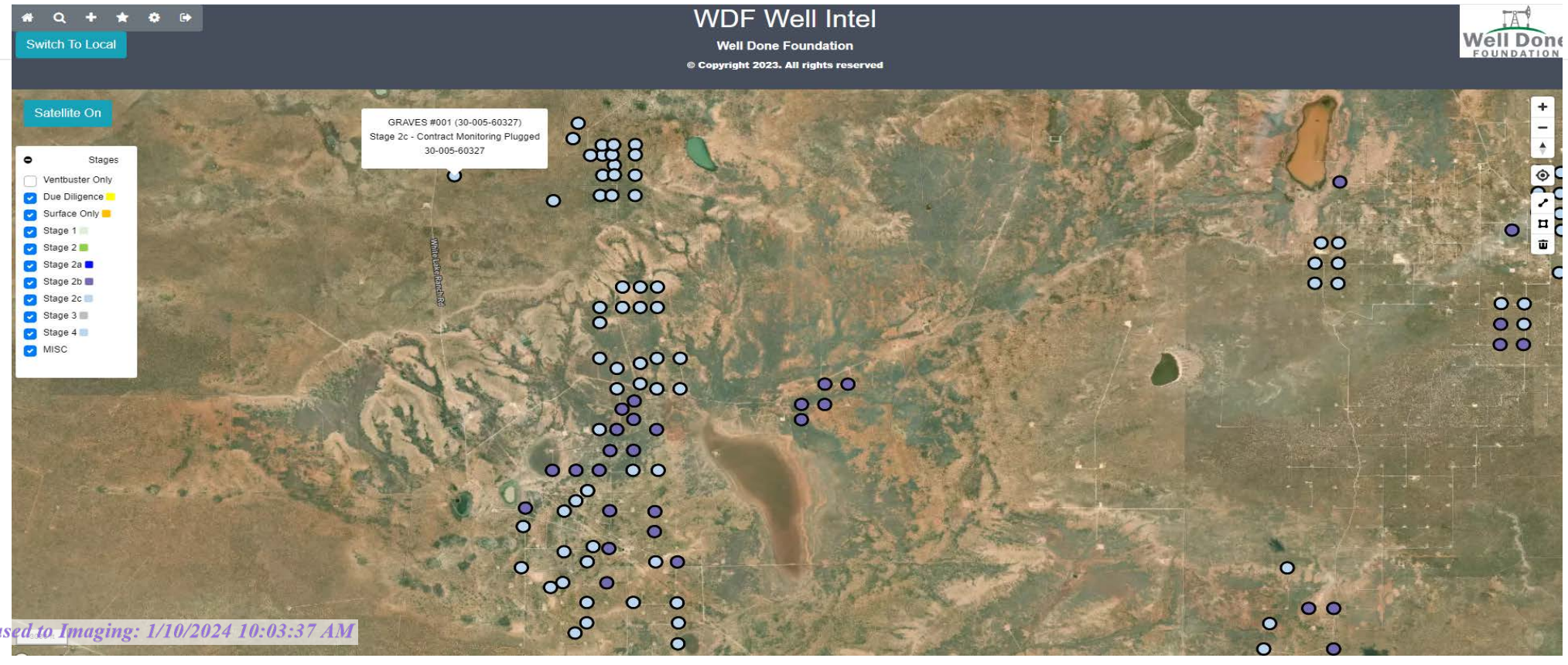
Flow Duration	Average Flowrate	Average Pressure	Average Flow Temperature	Average CH4 Mass
22 hrs 43 minutes	0.0020	-2.0838	1.8379	0.00 g/hr
Duration	m3/d	kPag	°C	

Methane Calculation: 717 grams CH4 per cubic meter (717 g/m^3 x 0.0020 m^3/day = 1.43 g/day total /24 = 0.06 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/m^3; 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/ft^3], or 0.0004144 *ounce per cubic inch* [oz/$inch^3$].

Flow / Pressure / Temperature Timeseries



#	Date	Note
1	2022-12-18	Fgv: was on location took sample and rigged down vb 52 @2:00pm
2	2022-12-17	Measure team 1 was on location today took pictures n,e,s,w and of well head then took gas sample and detected gas on 4 gas monitor took pictures of both the sample and monitor rigged up and plumbed in vb #52



LABORATORY SERVICES
Natural Gas Analysis

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

C6+ Gas Analysis Report

December 17, 2022

15560G	Elizabeth #001 Pre Plugging	Elizabeth #001 Casing Sample
Sample Point Code	Sample Point Name	Sample Point Location

Laboratory Services	2022061779	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 15:02	Dec 19, 2022 15:02	Dec 22, 2022 15:42	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)	98.9930	98.993	
CO2 (CO2)	0.0460	0.046	
Methane (C1)	0.0000	0	
Ethane (C2)	0.0000	0	0.0000
Propane (C3)	0.0000	0	0.0000
I-Butane (IC4)	0.0000	0	0.0000
N-Butane (NC4)	0.0000	0	0.0000
I-Pentane (IC5)	0.0000	0	0.0000
N-Pentane (NC5)	0.0000	0	0.0000
Hexanes Plus (C6+)	0.9610	0.961	0.4170
TOTAL	100.0000	100.0000	0.4170

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

Gross Heating Values (Real, BTU/ft³)

14.696 PSI @ 60.00 Â°F		14.73 PSI @ 60.00 Â°F	
Dry	Saturated	Dry	Saturated
49.5	49.5	49.6	49.6

Calculated Total Sample Properties

GPA2145-16 *Calculated at Contract Conditions

Relative Density Real	Relative Density Ideal
0.9891	0.9891

Molecular Weight: 28.6471

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
Luis Cano	Dec 27, 2022 8:42 am	Methane: 0 PPM

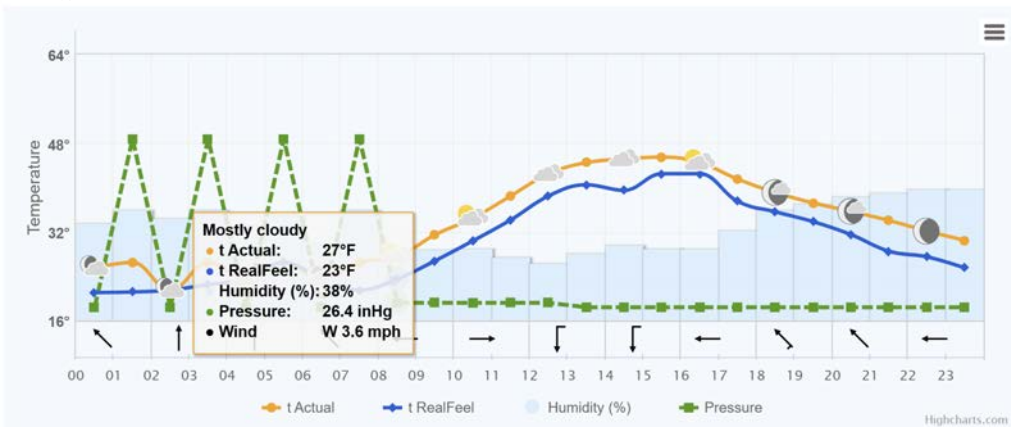
	Atmospheric conditions and temperature °F	RealFeel °F	Atmospheric pressure inHg	Wind speed mph	Humidity
Night	+23°	+23°	30.1	▲ S 2.7	63%
Morning	+21°	+12°	30.1	▲ S 7.4	63%
Day	+46°	+45°	30.1	▲ S 4.5	25%
Evening	+37°	+32°	30.1	▲ S 6.9	41%

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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Source	Date	Notes
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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

Operator: CANYON E & P COMPANY 251 O'Connor Ridge Blvd. Irving, TX 75038	OGRID: 269864
	Action Number: 302071
	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 302071

QUESTIONS

Operator: CANYON E & P COMPANY 251 O'Connor Ridge Blvd. Irving, TX 75038	OGRID: 269864
	Action Number: 302071
	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	**[30-005-60610] ELIZABETH #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	33.64089
Longitude	-104.03123

Monitoring Event Details *Please answer all the questions in this group.*	
Flow rate in cubic meters per day (m^3/day)	0.00
Test duration in hours (hr)	22.7
Average flow temperature in degrees Celsius (°C)	1.8
Average gauge flow pressure in kilopascals (kPag)	0.0
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