



Test Report

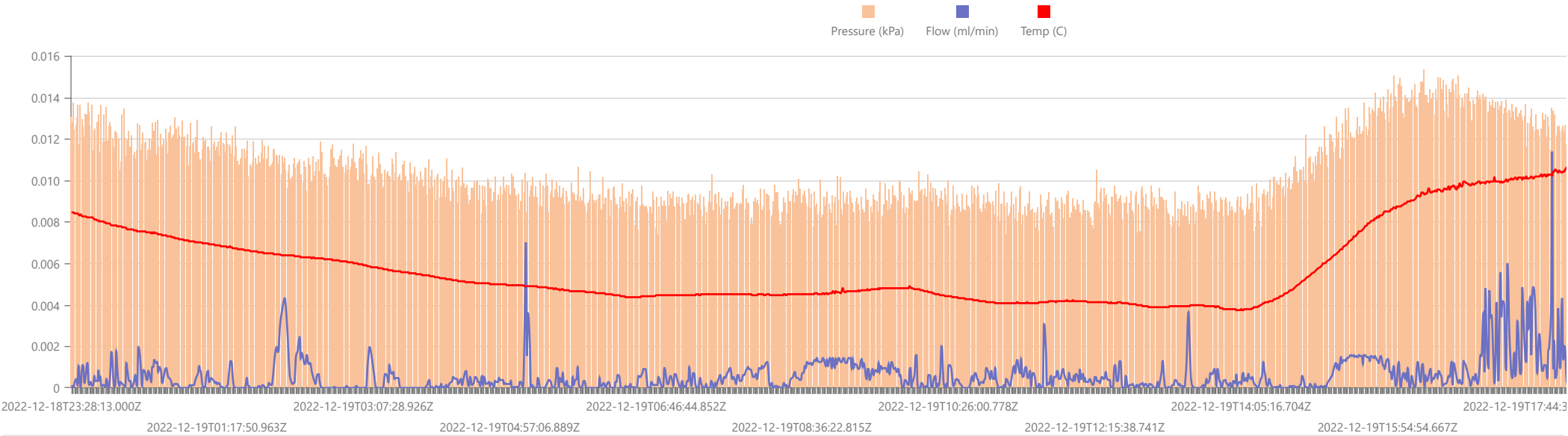
Start Date: Sun Dec 18 2022 23:28:13 GMT+0000 (Coordinated Universal Time) End Date: Mon Dec 19 2022 21:34:52 GMT+0000 (Coordinated Universal Time) Device: VB100-0045 Well Licensee: NMOCD Well Name: ELIZABETH 002 UWI: 30-005-60705 Well License Number: 30-005-60705 Surface Location: CHAVEZ COUNTY Bottom 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: 33.63726,-104.03116 Notes: MONITORING TUBING FLOW Prepared By: Curtis Shuck, QMS
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Flow / Pressure Test

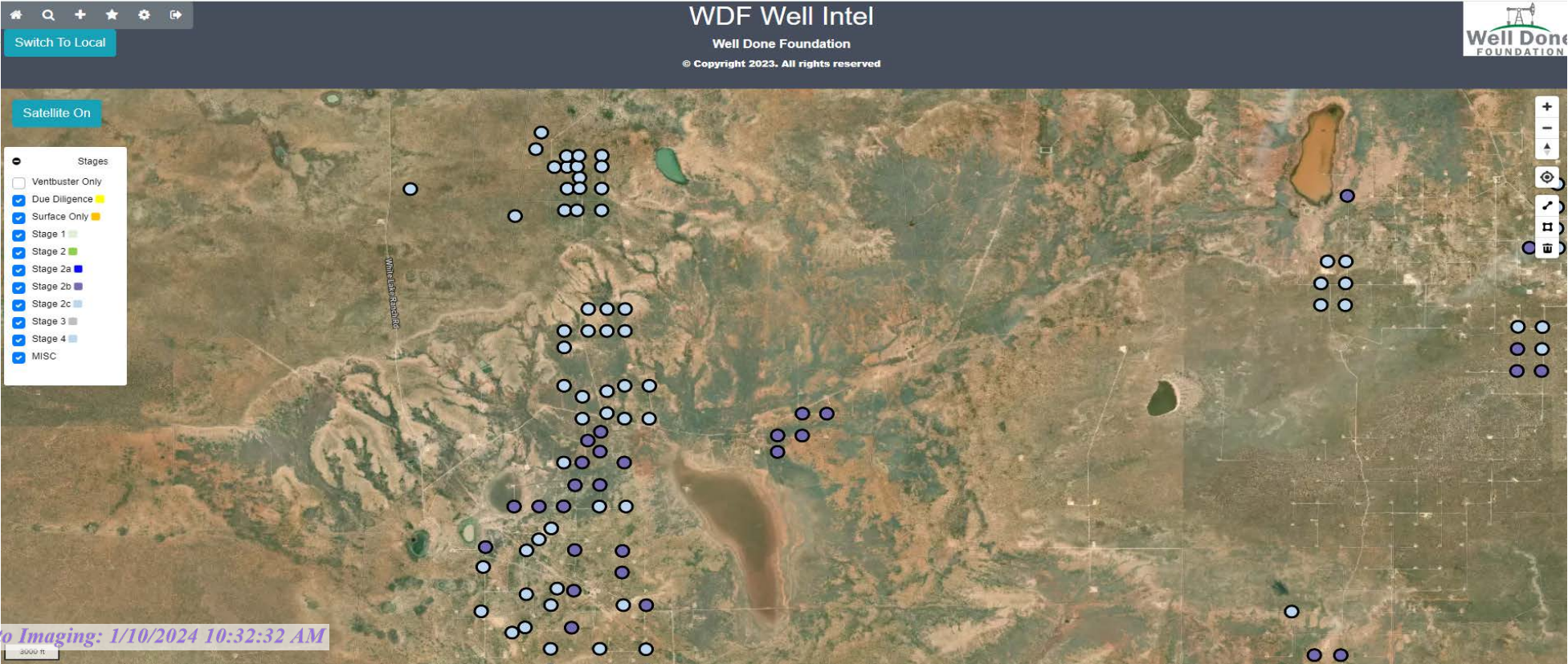
Flow Duration 22 hrs 5 minutes Duration	Average Flowrate 0.0008 m3/d	Average Pressure 5.3290 kPag	Average Flow Temperature 6.6295 °C	Average CH4 Mass 0.00 g/hr
-----------------------------------------------	------------------------------------	------------------------------------	------------------------------------------	-------------------------------

Methane Calculation: 717 grams CH4 per cubic meter (717 g/m³ x 0.0008 m³/day = 0.57 g/day total /24 = 0.02 g/hour x 0.00068 (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	2022-12-19	Rig down vb #45 and take gas sample
2	2022-12-18	Fgv: measure unit 1 was on location today took pictures of well n,e,s,w took a 4 gas monitor sample and gas sample took pictures of both and rigged up vb # 45






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

Source	Date	Notes
Luis Cano	Dec 27, 2022 8:47 am	Methane: 680 PPM

December 18, 2022

Hourly forecast for 18.12.2022

	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





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

C6+ Gas Analysis Report

15557G	Elizabeth #002 Pre Plug	Elizabeth #002 Tubing	
Sample Point Code	Sample Point Name	Sample Point Location	
Laboratory Services	2022061775	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 18, 2022 16:00	Dec 18, 2022 16:00	Dec 22, 2022 15:16	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)	98.4370	98.435	
CO2 (CO2)	0.0600	0.06	
Methane (C1)	0.0680	0.068	
Ethane (C2)	0.1020	0.102	0.0270
Propane (C3)	0.1040	0.104	0.0290
I-Butane (IC4)	0.0310	0.031	0.0100
N-Butane (NC4)	0.0860	0.086	0.0270
I-Pentane (IC5)	0.0550	0.055	0.0200
N-Pentane (NC5)	0.0560	0.056	0.0200
Hexanes Plus (C6+)	1.0010	1.001	0.4340
TOTAL	100.0000	99.9980	0.5670

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

Gross Heating Values (Real, BTU/ft³)			
14.696 PSI @ 60.00 Å°F	14.73 PSI @ 60.00 Å°F		
Dry	Saturated	Dry	Saturated
64.9	64.8	65.1	64.9

Calculated Total Sample Properties	
GPA2145-16 *Calculated at Contract Conditions	
Relative Density Real	Relative Density Ideal
0.9934	0.9934
Molecular Weight	
28.7703	

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

Source	Date	Notes
Luis Cano	Dec 27, 2022 8:47 am	Methane: 680 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 302086

DEFINITIONS

Operator: CANYON E & P COMPANY 251 O'Connor Ridge Blvd. Irving, TX 75038	OGRID: 269864
	Action Number: 302086
	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.

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

QUESTIONS

Action 302086

QUESTIONS

Operator: CANYON E & P COMPANY 251 O'Connor Ridge Blvd. Irving, TX 75038	OGRID: 269864
	Action Number: 302086
	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	[30-005-60705] ELIZABETH #002
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	12/18/2022
Latitude	33.63726
Longitude	-104.03116

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)	22.0
Average flow temperature in degrees Celsius (°C)	6.6
Average gauge flow pressure in kilopascals (kPag)	5.3
Methane concentration in part per million (ppm)	680
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
-------------------------------	--------------------------