



Test Report

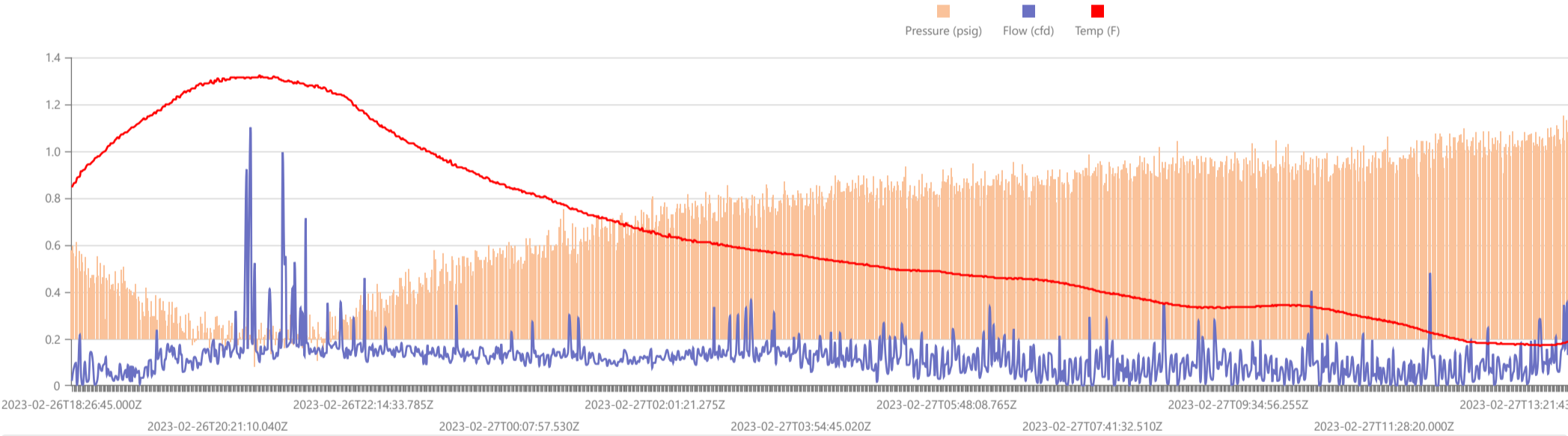
<b>Start Date:</b> Sun Feb 26 2023 18:26:45 GMT+0000 (Coordinated Universal Time) <b>End Date:</b> Mon Feb 27 2023 18:57:51 GMT+0000 (Coordinated Universal Time) <b>Device:</b> VB100-0020 <b>Well Licensee:</b> 30-015-00959 <b>Well Name:</b> Artesia Metex 045 <b>UWI:</b> 30-015-00959 <b>Well License Number:</b> 30-015-00959 <b>Surface Location:</b> State of NM <b>Bottom Hole Location:</b> Unknown	<b>Test Operator:</b> Sean O. Jacobson <b>Authorized By:</b> State of NM <b>Test Reason:</b> IJJA Pre Plugging <b>Scope Of Work:</b> 12 Hour <b>AFE Number:</b> 52100-0000072986 <b>GPS:</b> 32.71660,-104.23876 <b>Notes:</b> GTG <b>Prepared By:</b> Curtis Shuck
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Flow / Pressure Test

<b>Flow Duration</b> 24 hrs 30 minutes <small>Duration</small>	<b>Average Flowrate</b> 0.1295 <small>cfd</small>	<b>Average Pressure</b> 0.5211 <small>psig</small>	<b>Average Flow Temperature</b> 52.9863 <small>°F</small>	<b>Average CH4 Mass</b> 0.00 g/hr
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**Methane Calculation:** 717 grams CH4 per cubic meter (717 g/m³ x 0.0037 m³/day = 2.65 g/day total /24 = 0.11 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].

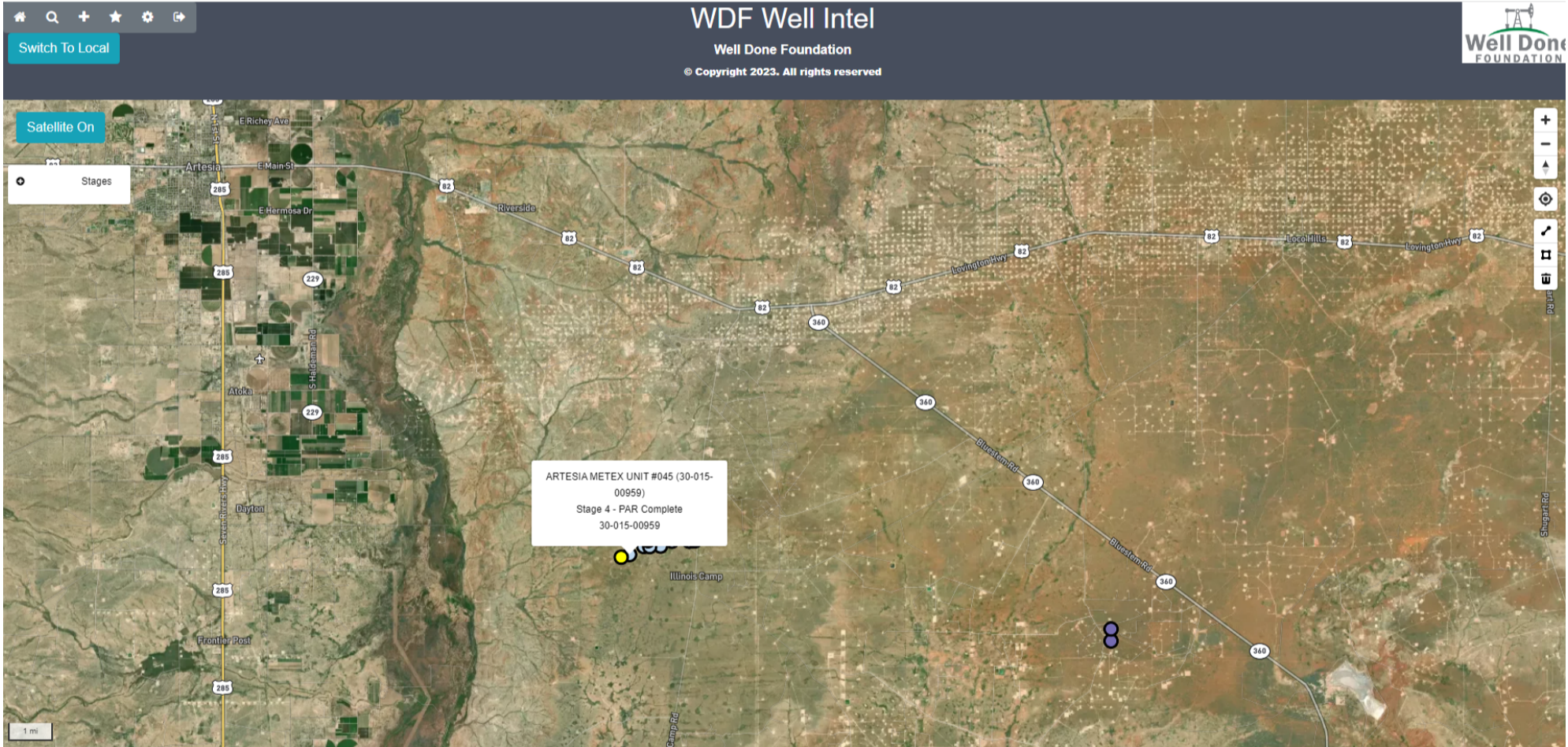
Flow / Pressure / Temperature Timeseries



#	Date	Note
1	2023-06-27	ces: Arrived on location with WDF Measure 1. Inspect cement. Perform Field Gas Analysis. Collect gas sample for Laboratory analysis. place green ribbon at wellhead. WILDCAT OUT!
2	2023-03-11	Arrived 10:59am 3/11/2023. Found tripod knocked down. Likely by cows. No visible damage. Rigged down flow test. SP VB #20
3	2023-03-10	Arrived 11:16am 3/10/2023. Rigged up flow test. SP VB #20
4	2023-02-27	Arrived 11:50am 2/27/2023. Rigged down flow test.
5	2023-02-26	Arrived 11:08am 2/26/2023. Rigged up Ventbuster #20 for flow testing.



intel\_data\_client



February 26, 2023

	Atmospheric conditions and temperature °F	RealFeel °F	Atmospheric pressure inHg	Wind speed mph	Humidity
Night	+46°	+43°	26.3	▲ S 7.4	99%
Morning	+50°	+50°	26.2	▲ S 10.3	100%
Day	+75°	+75°	26.1	▲ S 28.2	29%
Evening	+52°	+52°	26.1	► W 28.9	21%

February 27, 2023

	Atmospheric conditions and temperature °F	RealFeel °F	Atmospheric pressure inHg	Wind speed mph	Humidity
Night	+39°	+32°	26.2	▲ NW 12.1	24%
Morning	+34°	+28°	26.2	▲ NW 6.3	36%
Day	+63°	+63°	26.3	► W 16.1	9%
Evening	+59°	+59°	26.2	▼ SW 15.2	11%



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

## C6+ Gas Analysis Report

<b>16149G</b>	<b>Artesia Meter #45</b>	<b>Artesia Meter #45</b>	
Sample Point Code	Sample Point Name	Sample Point Location	
<b>Laboratory Services</b>	<b>2023064928</b>	<b>Tedlar Bag</b>	<b>Soj - Spot</b>
Source Laboratory	Lab File No	Container Identity	Sampler
<b>USA</b>	<b>USA</b>	<b>USA</b>	<b>New Mexico</b>
District	Area Name	Field Name	Facility Name
<b>Feb 27, 2023 11:53</b>	<b>Feb 27, 2023 11:53</b>	<b>Mar 2, 2023 07:31</b>	<b>Mar 6, 2023</b>
Date Sampled	Date Effective	Date Received	Date Reported
<b>Torrance</b>			
<b>Ambient Temp (°F)</b>	<b>Flow Rate (Mcf)</b>	<b>Analyst</b>	<b>Press PSI @ Temp °F</b> Source Conditions
<b>Well Done Foundation</b>		<b>Ng</b>	
Operator		Lab Source Description	

Component	Normalized Mol %	Un-Normalized Mol %	GPM
H2S (H2S)	0.0000	0	
Nitrogen (N2)	99.8740	99.87386	
CO2 (CO2)	0.0380	0.03769	
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+)	0.0880	0.08845	0.0380
TOTAL	100.0000	100.0000	0.0380

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:	Feb 13, 2023

Gross Heating Values (Real, BTU/ft³)			
14.696 PSI @ 60.00 Å°F	14.73 PSI @ 60.00 Å°F		
Dry	Saturated	Dry	Saturated
4.5	5.3	4.5	5.3

Calculated Total Sample Properties	
GPA2145-16 *Calculated at Contract Conditions	
Relative Density Real	Relative Density Ideal
0.9693	0.9694
Molecular Weight	
28.0768	

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

Field H2S
0 PPM

**PROTREND STATUS:** Passed By Validator on Mar 7, 2023  
**DATA SOURCE:** Imported

**PASSED BY VALIDATOR REASON:**  
Close enough to be considered reasonable.

**VALIDATOR:**  
Brooke Rush  
**VALIDATOR COMMENTS:**  
OK

Source	Date	Notes
Brooke Rush	Mar 7, 2023 2:19 pm	Methane = 0 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 295386

DEFINITIONS

Operator: CANYON E & P COMPANY 251 O'Connor Ridge Blvd. Irving, TX 75038	OGRID: 269864
	Action Number: 295386
	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 295386

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**QUESTIONS**

<b>Prerequisites</b>	
[OGRID] Well Operator	[269864] CANYON E & P COMPANY
[API] Well Name and Number	[30-015-00959] ARTESIA METEX UNIT #045
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	02/26/2023
Latitude	32.71660
Longitude	-104.23876

**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)	24.5
Average flow temperature in degrees Celsius (°C)	15.0
Average gauge flow pressure in kilopascals (kPag)	0.5
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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