



Test Report

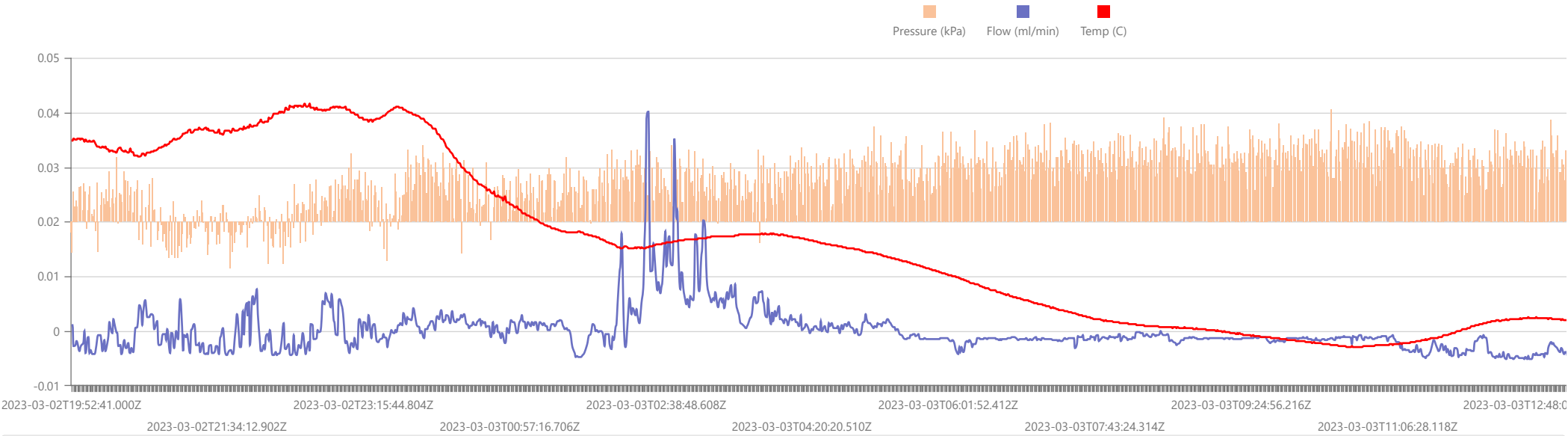
Start Date: Thu Mar 02 2023 19:52:41 GMT+0000 (Coordinated Universal Time) End Date: Fri Mar 03 2023 17:49:52 GMT+0000 (Coordinated Universal Time) Device: VB100-0016 Well Licensee: 30-005-28017 Well Name: Cato San Andres 574 UWI: 30-005-28017 Well License Number: 30-005-28017 Surface Location: State of NM Bottom Hole Location: Unknown	Test Operator: Sean O. Jacobson Authorized By: State of NM Test Reason: IJJA Pre Plugging Scope Of Work: 12 Hour AFE Number: 52100-00000073108 GPS: 33.62335,-103.84568 Notes: GTG Prepared By: Curtis Shuck, QMS
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Flow / Pressure Test

Flow Duration 21 hrs 56 minutes Duration	Average Flowrate -0.0006 m3/d	Average Pressure 0.5547 kPag	Average Flow Temperature 8.0601 °C	Average CH4 Mass 0.00 g/hr CH4 Concentration 0.00 ppm
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Methane Calculation: 717 grams CH4 per cubic meter (717 g/m³ x -0.0006 m³/day = -0.43 g/day total /24 = -0.02 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	2023-03-03	Arrived 10:49am 3/2/2023. Rigged down flow test.
2	2023-03-02	Arrived 12:33pm 3/2/2023. Rigged up Ventbuster #16 for flow testing.

Weather in Roswell, March 2

Weather Forecast for March 2 in Roswell, New Mexico - temperature, wind, atmospheric pressure, humidity and precipitations. Detailed hourly weather chart.

February 28	March 01	Select date:	March 03	March 04
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March 02, 2023

	Atmospheric conditions and temperature °F	RealFeel °F	Atmospheric pressure inHg	Wind speed mph	Humidity
Night	+45°	+37°	25.9	▲ S 10.5	14%
Morning	+36°	+28°	25.9	▲ S 8.7	19%
Day	+54°	+54°	25.9	► W 17.7	16%
Evening	+48°	+41°	26	▲ NW 25.7	48%

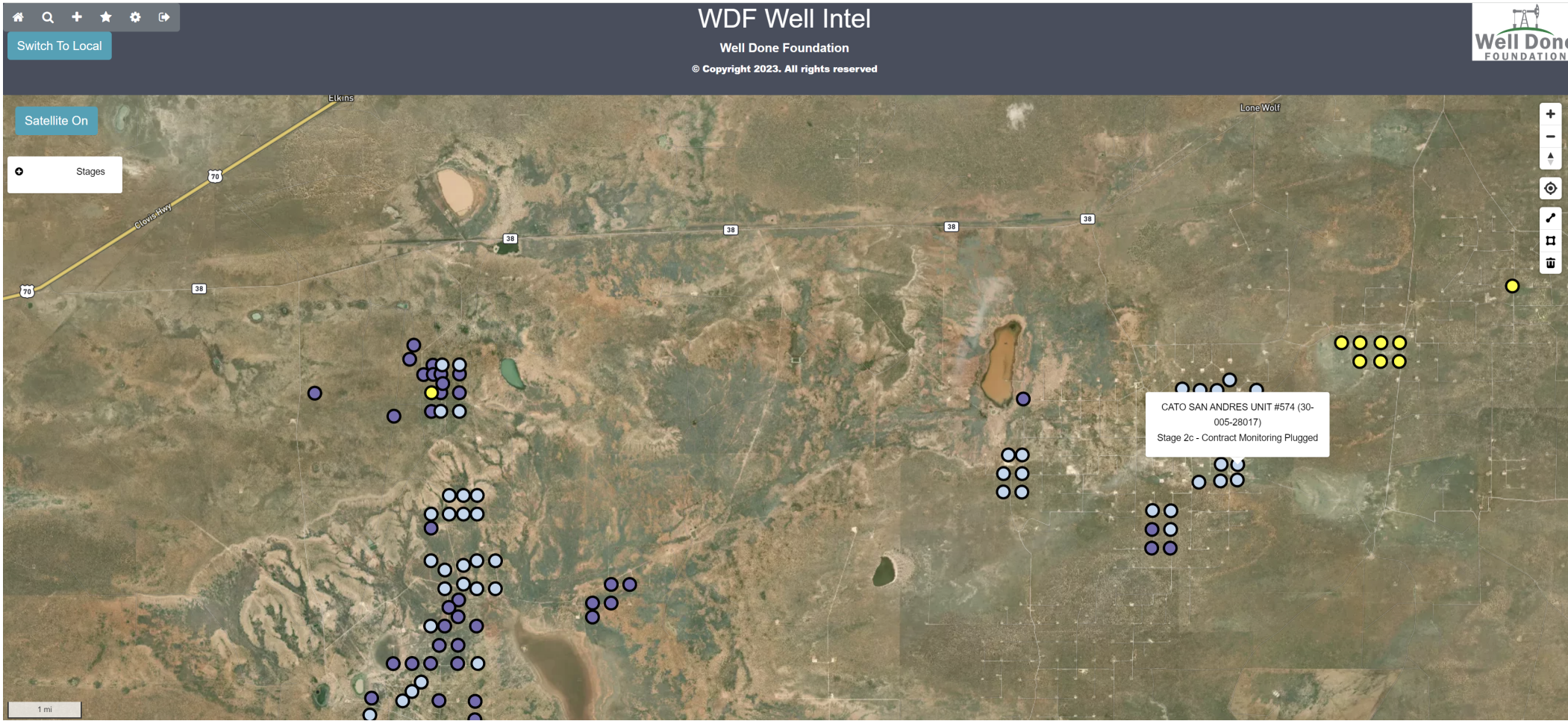
Weather in Roswell, March 3

Weather Forecast for March 3 in Roswell, New Mexico - temperature, wind, atmospheric pressure, humidity and precipitations. Detailed hourly weather chart.

March 01	March 02	Select date:	March 04	March 05
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March 03, 2023

	Atmospheric conditions and temperature °F	RealFeel °F	Atmospheric pressure inHg	Wind speed mph	Humidity
Night	+39°	+36°	26.1	▼ N 4	47%
Morning	+32°	+32°	26.1	▼ SE 1.6	47%
Day	+63°	+63°	26.1	▲ S 7.2	11%
Evening	+57°	+57°	26.1	► W 6	17%





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

C6+ Gas Analysis Report

16161G	CSAU #574 Pre Plug	CSA #574	
Sample Point Code	Sample Point Name	Sample Point Location	
Laboratory Services	2023065057	Tedlar Bag	SOJ - Spot
Source Laboratory	Lab File No	Container Identity	Sampler
USA	USA	USA	New Mexico
District	Area Name	Field Name	Facility Name
Mar 2, 2023 12:46	Mar 2, 2023 12:46	Mar 3, 2023 08:41	Mar 6, 2023
Date Sampled	Date Effective	Date Received	Date Reported
Torrance			
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)	99.1110	99.11101	
CO2 (CO2)	0.0960	0.09572	
Methane (C1)	0.0000	0	
Ethane (C2)	0.1430	0.14336	0.0380
Propane (C3)	0.1610	0.16106	0.0440
I-Butane (IC4)	0.0250	0.02492	0.0080
N-Butane (NC4)	0.0650	0.06541	0.0200
I-Pentane (IC5)	0.0290	0.02856	0.0110
N-Pentane (NC5)	0.0000	0	0.0000
Hexanes Plus (C6+)	0.3700	0.36995	0.1610
TOTAL	100.0000	100.0000	0.2820

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
29.8	30.1	29.9	30.2

Calculated Total Sample Properties	
GPA2145-16 *Calculated at Contract Conditions	
Relative Density Real	Relative Density Ideal
0.9784	0.9785
Molecular Weight	
28.3386	

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 2:24 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 278339

DEFINITIONS

Operator: CANO PETRO OF NEW MEXICO, INC. 801 Cherry Street Fort Worth, TX 76102	OGRID: 248802
	Action Number: 278339
	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 278339

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Operator: CANO PETRO OF NEW MEXICO, INC. 801 Cherry Street Fort Worth, TX 76102	OGRID: 248802
	Action Number: 278339
	Action Type: [UF-OMA] Pre-Plug Methane Monitoring (UF-OMA-MMA)

QUESTIONS

Prerequisites	
[OGRID] Well Operator	[248802] CANO PETRO OF NEW MEXICO, INC.
[API] Well Name and Number	[30-005-28017] CATO SAN ANDRES UNIT #574
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	03/02/2023
Latitude	33.62335
Longitude	-103.84568

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)	21.9
Average flow temperature in degrees Celsius (°C)	8.0
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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