



Test Report

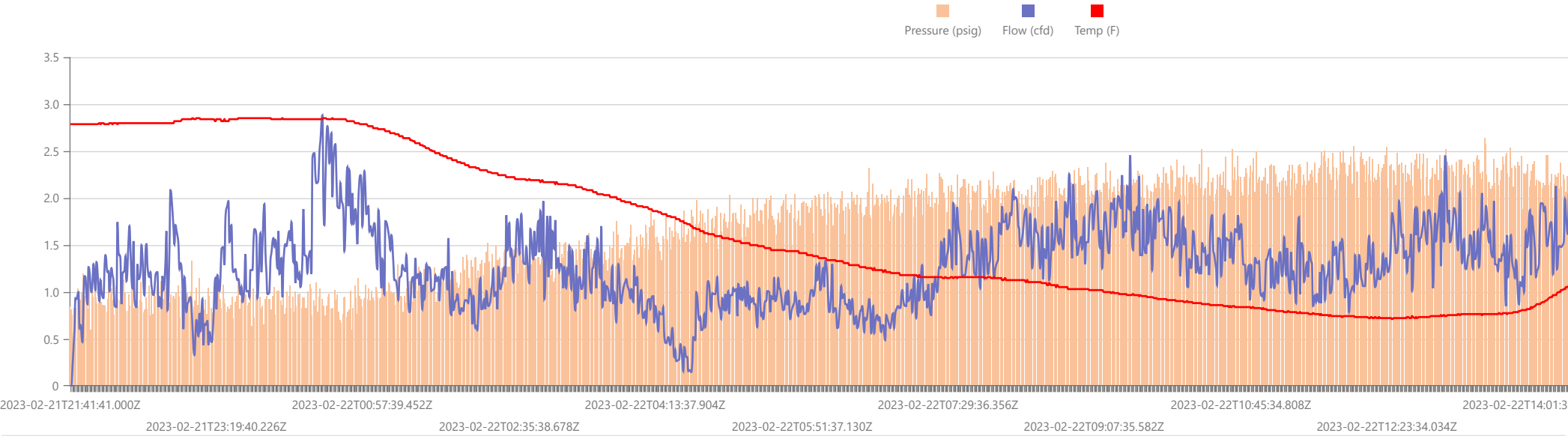
Start Date: Tue Feb 21 2023 21:41:41 GMT+0000 (Coordinated Universal Time) End Date: Wed Feb 22 2023 18:52:53 GMT+0000 (Coordinated Universal Time) Device: VB100-0054 Well Licensee: 30-005-60905 Well Name: OBrien Fee 19 007 UWI: 30-005-60905 Well License Number: 30-005-60905 Surface Location: State of NM Bottom Hole Location: Unknown	Test Operator: Sean O. Jacobson Authorized By: State of NM Test Reason: I/JA Pre Plugging Scope Of Work: 12 Hour AFE Number: 52100-0000072995 GPS: 33.60462,-104.01902 Notes: Dorothy V in use, GTG Prepared By: Curtis Shuck
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Flow / Pressure Test

Flow Duration 21 hrs 10 minutes Duration	Average Flowrate 1.4540 cfd	Average Pressure 0.6479 psig	Average Flow Temperature 57.5530 °F	Average CH4 Mass 0.01 g/hr
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Methane Calculation: 717 grams CH4 per cubic meter (717 g/m³ x 0.0412 m³/day = 29.54 g/day total /24 = 1.23 g/hour x 0.00861 (methane concentration) = **0.01 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



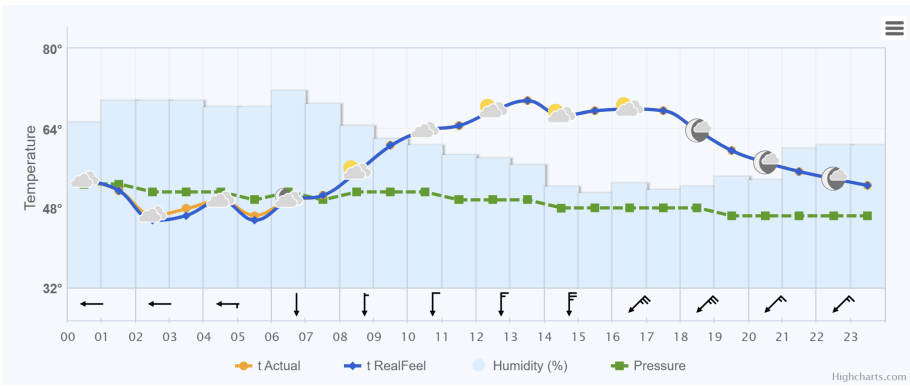
#	Date	Note
1	2023-02-22	Arrived 11:59am 2/22/2023. Rigged down flow test and Dorothy IV.
2	2023-02-21	Arrived 2:27pm 2/21/2023. Rigged up Ventbuster #54 for flow testing with Dorothy IV.



February 21, 2023

	Atmospheric conditions and temperature °F	RealFeel °F	Atmospheric pressure inHg	Wind speed mph	Humidity
Night	+52°	+52°	26.3	► W 4.5	59%
Morning	+50°	+50°	26.1	▲ S 7.6	58%
Day	+70°	+70°	26.1	▲ S 19.2	39%
Evening	+59°	+59°	25.9	↙ SW 15.4	35%

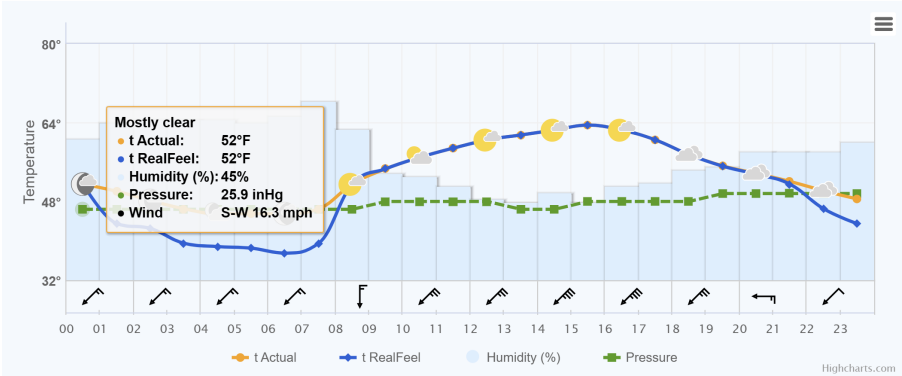
Hourly forecast for 21.02.2023



February 22, 2023

	Atmospheric conditions and temperature °F	RealFeel °F	Atmospheric pressure inHg	Wind speed mph	Humidity
Night	+50°	+43°	25.9	↙ SW 16.6	50%
Morning	+46°	+39°	25.9	↙ SW 14.3	57%
Day	+61°	+61°	25.9	↙ SW 29.1	25%
Evening	+55°	+55°	26.1	↙ SW 19.5	36%

Hourly forecast for 22.02.2023





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

C6+ Gas Analysis Report

16090G	OBrien Fee 19 #007	OBrien Fee 19 #007	
Sample Point Code	Sample Point Name	Sample Point Location	
Laboratory Services	2023064653	Tedlar Bag	SO Jacobson - Spot
Source Laboratory	Lab File No	Container Identity	Sampler
USA	USA	USA	New Mexico
District	Area Name	Field Name	Facility Name
Feb 21, 2023 14:21	Feb 21, 2023 14:21	Feb 27, 2023 10:27	Mar 1, 2023
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)	98.5490	98.549	
CO2 (CO2)	0.2990	0.299	
Methane (C1)	0.8610	0.861	
Ethane (C2)	0.0930	0.093	0.0250
Propane (C3)	0.0350	0.035	0.0100
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+)	0.1630	0.163	0.0710
TOTAL	100.0000	100.0000	0.1060

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
19.7	20.2	19.7	20.2

Calculated Total Sample Properties	
GPA2145-16 *Calculated at Contract Conditions	
Relative Density Real	Relative Density Ideal
0.9691	0.9692
Molecular Weight	
28.0719	

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 3, 2023
DATA SOURCE: Imported

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

VALIDATOR:
Luis Cano
VALIDATOR COMMENTS:
OK

Source	Date	Notes
Luis Cano	Mar 3, 2023 7:43 am	Methane: 8,610 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 295396

DEFINITIONS

Operator: CANYON E & P COMPANY 251 O'Connor Ridge Blvd. Irving, TX 75038	OGRID: 269864
	Action Number: 295396
	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 295396

QUESTIONS

Operator: CANYON E & P COMPANY 251 O'Connor Ridge Blvd. Irving, TX 75038	OGRID: 269864
	Action Number: 295396
	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	[30-005-60905] O'BRIEN FEE 19 #007
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	02/21/2023
Latitude	33.60462
Longitude	-104.01902

Monitoring Event Details*Please answer all the questions in this group.*

Flow rate in cubic meters per day (m³/day)	0.30
Test duration in hours (hr)	21.1
Average flow temperature in degrees Celsius (°C)	12.0
Average gauge flow pressure in kilopascals (kPag)	0.6
Methane concentration in part per million (ppm)	8,610
Methane emission rate in grams per hour (g/hr)	0.01
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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