



Test Report

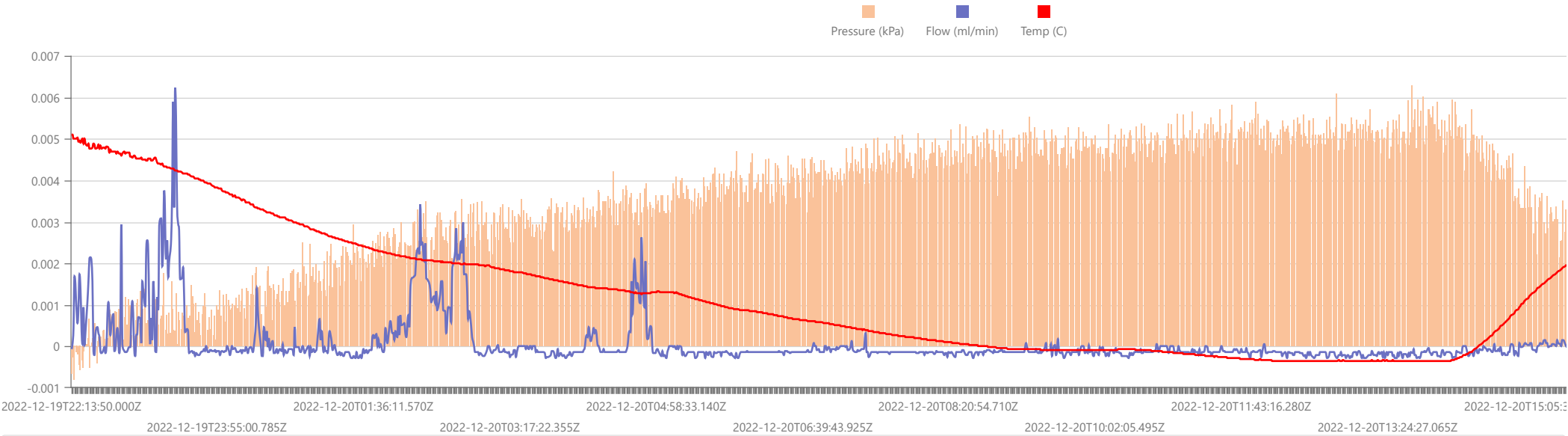
Start Date: Mon Dec 19 2022 22:13:50 GMT+0000 (Coordinated Universal Time) End Date: Tue Dec 20 2022 18:38:13 GMT+0000 (Coordinated Universal Time) Device: VB100-0047 Well Licensee: NMOCD Well Name: UNION HAPPY 001 UWI: 30-005-60581 Well License Number: 30-005-60581 Surface Location: CHAVES COUNTY Bottom 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: 33.64377,-104.03888 Notes: MONITORING CASING FLOW Prepared By: Curtis Shuck, QMS
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Flow / Pressure Test

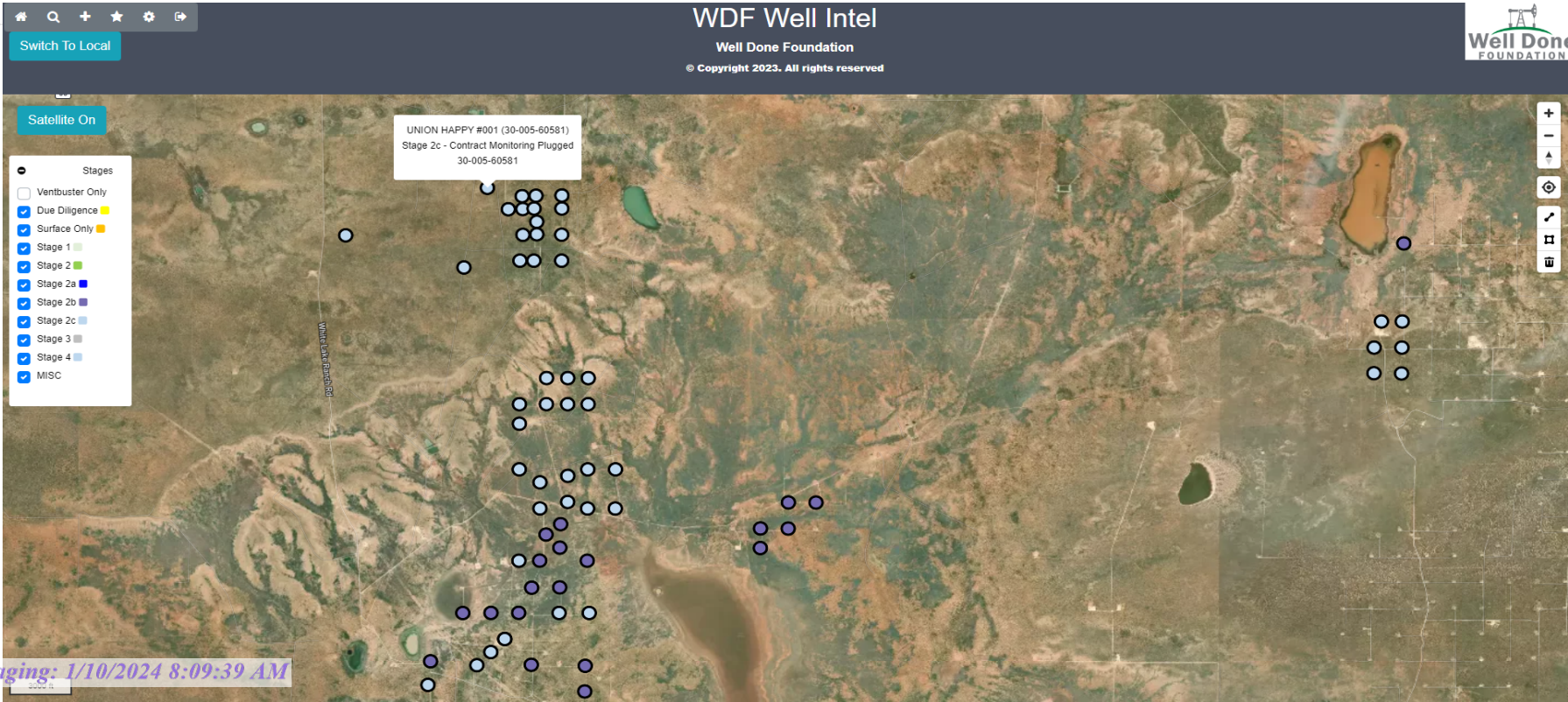
Flow Duration 20 hrs 21 minutes Duration	Average Flowrate 0.0001 m3/d	Average Pressure 3.4033 kPag	Average Flow Temperature 2.5121 °C	Average CH4 Mass 0.00 g/hr
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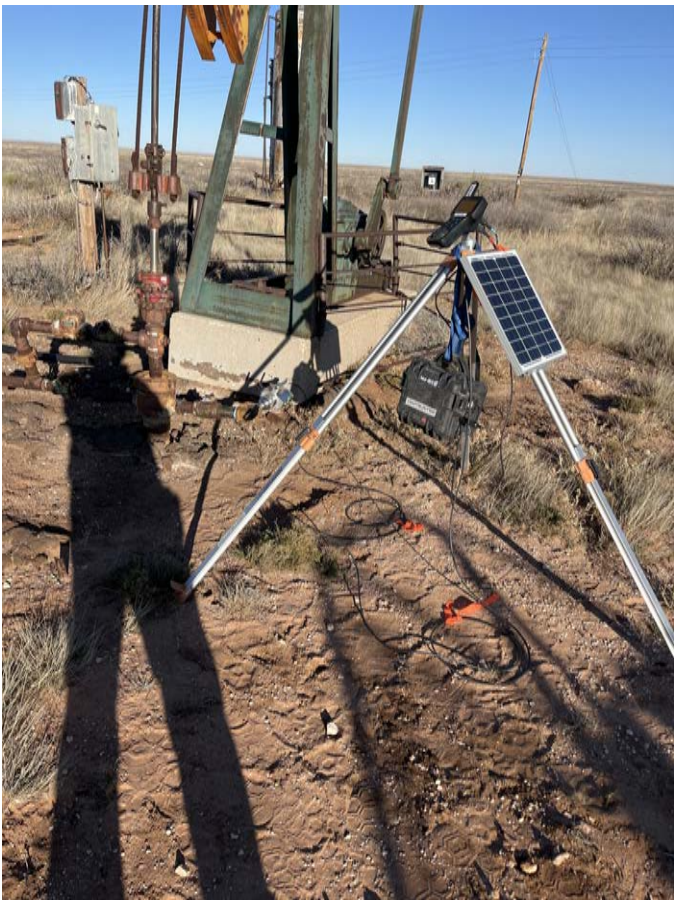
Methane Calculation: 717 grams CH4 per cubic meter (717 g/m³ x 0.0001 m³/day = 0.07 g/day total /24 = 0.00 g/hour x 0 (methane concentration) = **0.00 g/hour CH4**). **Methane, gas** weighs 0.000717 *gram per cubic centimeter* or 0.717 *kilgram per cubic meter*, i.e. density of *methane, gas* is equal 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



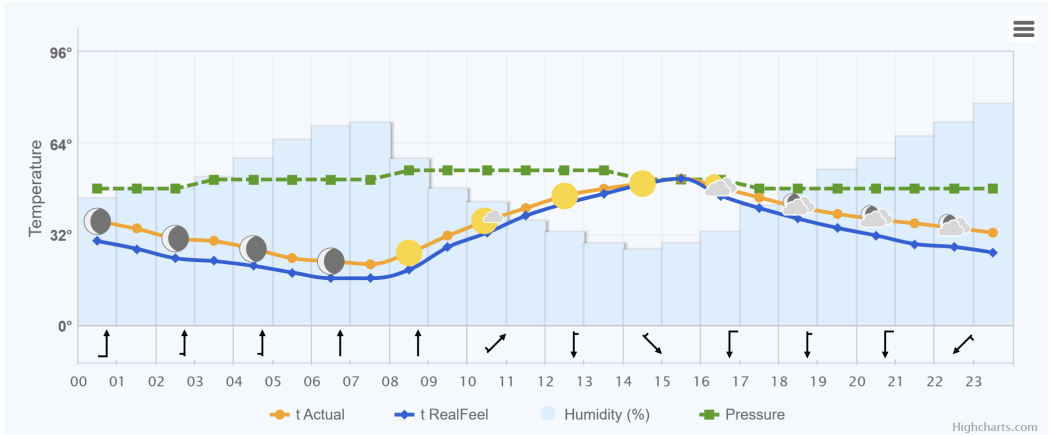
#	Date	Note
1	2022-12-20	Fgv: ended test on vb#47 and rigged down
2	2022-12-19	Fgv: measure team 1 was on location today at 3:00 pm took pictures n,e,s,w and a gas sample as well as a 4 gas monitor detection test and took pictures of both then rigged up vb#47





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

VALIDATOR:
Luis Cano
VALIDATOR C
OK





15556G	Union Happy #001 Pre Plug	Union Happy #001	
Sample Point Code	Sample Point Name	Sample Point Location	
Laboratory Services	2022061774	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 15:00	Dec 19, 2022 15:00	Dec 22, 2022 15:13	Dec 23, 2022
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)	99.5000	99.5003	
CO2 (CO2)	0.1010	0.10084	
Methane (C1)	0.0000	0	
Ethane (C2)	0.0390	0.03887	0.0100
Propane (C3)	0.0190	0.01872	0.0050
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+)	0.3410	0.34128	0.1480
TOTAL	100.0000	100.0000	0.1630

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
18.8	19.3	18.8	19.3

Calculated Total Sample Properties	
GPA2145-16 *Calculated at Contract Conditions	
Relative Density Real	Relative Density Ideal
0.9755	0.9756
Molecular Weight	
28.2557	

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

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Luis Cano	Dec 27, 2022 8:42 am	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 301949

DEFINITIONS

Operator: CANYON E & P COMPANY 251 O'Connor Ridge Blvd. Irving, TX 75038	OGRID: 269864
	Action Number: 301949
	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 301949

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	Action Number: 301949
	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	[30-005-60581] UNION HAPPY #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	12/19/2022
Latitude	33.64377
Longitude	-104.03888

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)	20.4
Average flow temperature in degrees Celsius (°C)	2.5
Average gauge flow pressure in kilopascals (kPag)	3.4
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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