



Test Report

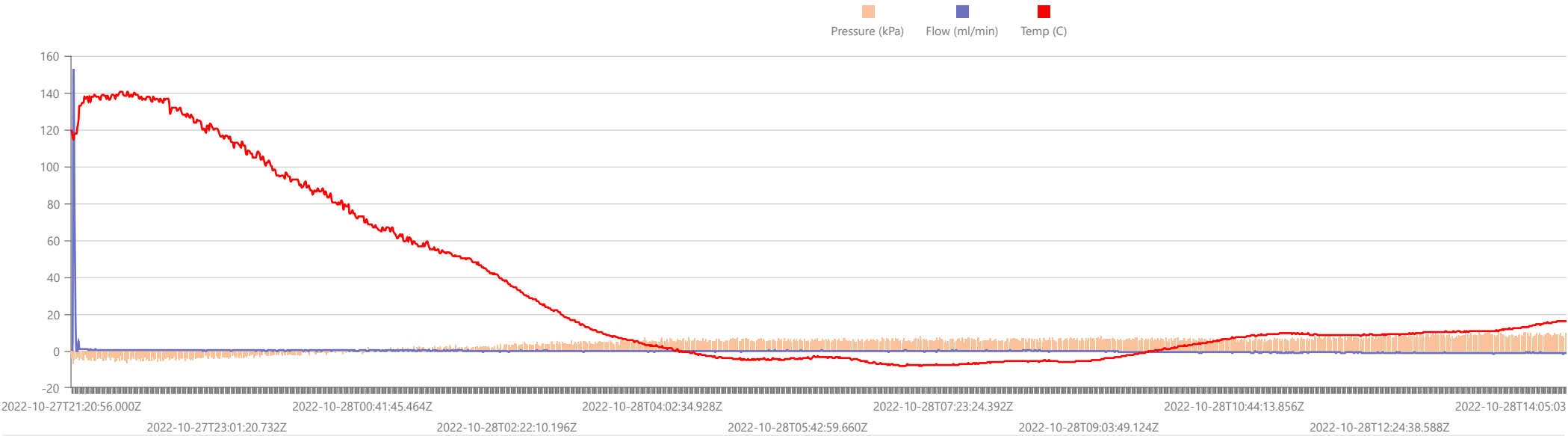
Start Date: Thu Oct 27 2022 21:20:56 GMT+0000 (Coordinated Universal Time) End Date: Fri Oct 28 2022 17:36:01 GMT+0000 (Coordinated Universal Time) Device: VB100-0006 Well Licensee: NMOCD Well Name: jp collier 01 UWI: 30-025-0096 Well License Number: 30-025-0096 Surface Location: collier Bottom Hole Location: unknown	Test Operator: fv Authorized By: NMOCD Test Reason: IJJA Scope Of Work: 12-Hour AFE Number: NMOCD038AA GPS: 33.38212,-103.60424 Notes: Unknown Prepared By: Curtis Shuck, QMS
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Flow / Pressure Test

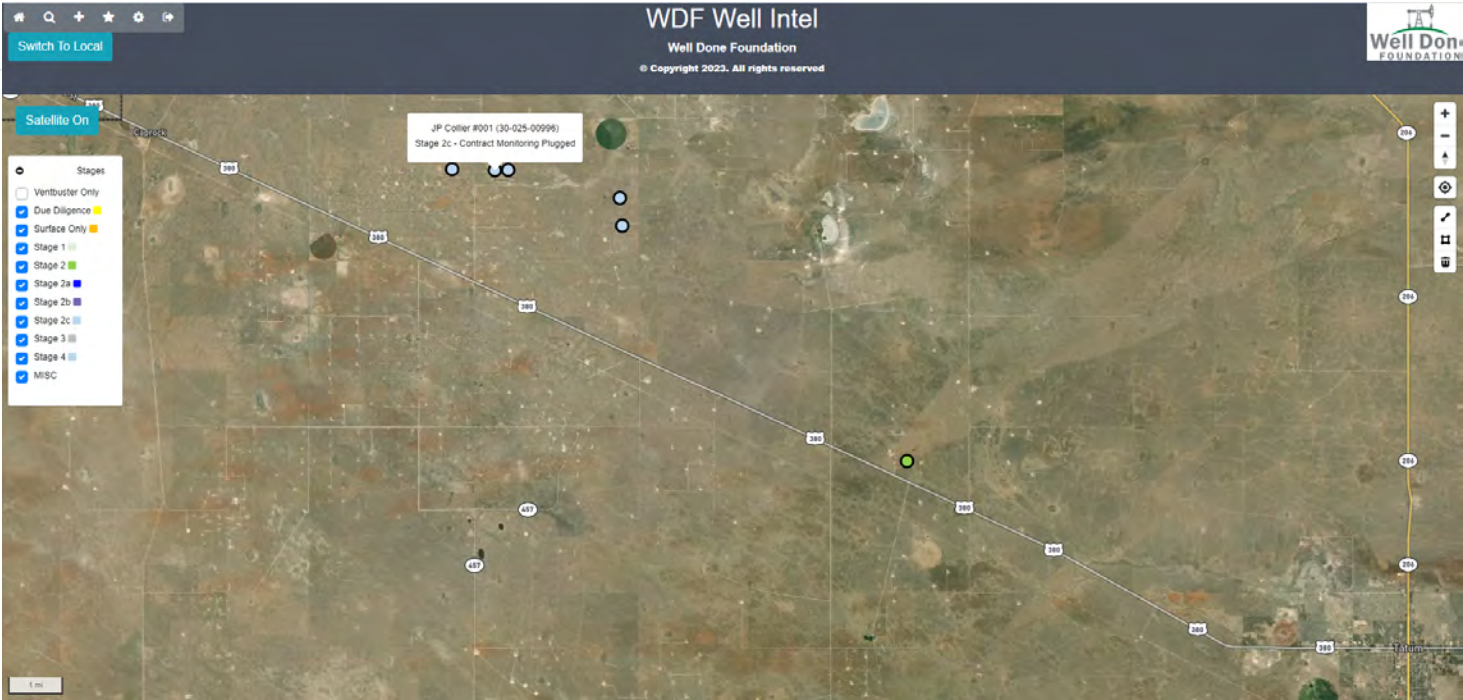
Flow Duration 20 hrs 13 minutes Duration	Average Flowrate -0.1298 m3/d	Average Pressure 3.6612 kPag	Average Flow Temperature 11.4792 °C	Average CH4 Mass 0.00 g/hr
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Methane Calculation: 717 grams CH4 per cubic meter (717 g/m³ x -0.1298 m³/day = -93.07 g/day total /24 = 0.00 g/hour x 0.08595 (methane concentration) = **-0.33 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	2023-12-18	ces: WDF Measure1 on location for Post Plug Methane Quantification. Field Gas Analysis was ND for CH4. Collect Gas Sample for Lab Analysis. Green Ribbon. Site Photos. Secure location. WILDCAT OUT!
2	2022-10-28	ces: WDF Measure1 back on location to stop test with VB100-06 and rig down. Secure well site. WILDCAT OUT!
3	2022-10-27	ces: On location with WDF Measure1. Update GPS location. Site Photos. Field Gas Analysis detected above 10,000 PPM CH4. Collect Gas Sample for Lab. Rig up VB100-06 and start 12-hour test. Secure location.







LABORATORY SERVICES
PERMIAN BASIN

www.permianbasin.com
575.397.3713 2609 W Mainland Hobbs NM 88240

C6+ Gas Analysis Report

15182G

J.P. Collier #001

J.P. Collier #001

Sample Point Code

Sample Point Name

Sample Point Location

Laboratory Services

2022059549

Tedlar Bag

Client - Spot

Source Laboratory

Lab File No

Container Identity

Sampler

USA

USA

USA

New Mexico

District

Area Name

Field Name

Facility Name

Oct 27, 2022

Oct 27, 2022

Nov 1, 2022 06:26

Nov 1, 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

Operator

NG

Lab Source Description

Component	Normalized Mol %	Un-Normalized Mol %	GPM
H2S (H2S)	0.0000	0	
Nitrogen (N2)	90.5600	90.55995	
CO2 (CO2)	0.0460	0.04564	
Methane (C1)	8.5950	8.5953	
Ethane (C2)	0.5590	0.55933	0.1490
Propane (C3)	0.1130	0.11252	0.0310
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+)	0.1270	0.12727	0.0550
TOTAL	100.0000	100.0000	0.2350

Gross Heating Values (Real, BTU/ft³)			
14.696 PSI @ 60.00 Å°F		14.73 PSI @ 60.00 Å°F	
Dry	Saturated	Dry	Saturated
106.5	105.5	106.7	105.7

Calculated Total Sample Properties	
GPA2145-16 *Calculated at Contract Conditions	
Relative Density Real	Relative Density Ideal
0.9358	0.9358
Molecular Weight	
27.1043	

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

Field H2S	
0.5 PPM	

PROTREND STATUS:

Passed By Validator on Nov 2, 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	Nov 1, 2022 3:55 pm	Methane PPM: 85,950

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

Analyzer Information

Device Type:

Gas Chromatograph

Device Make:

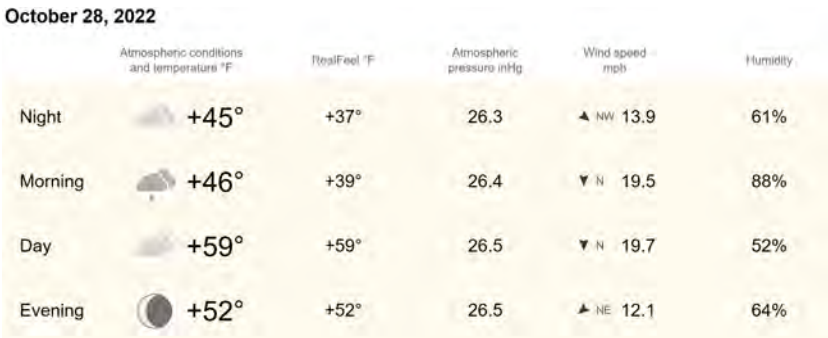
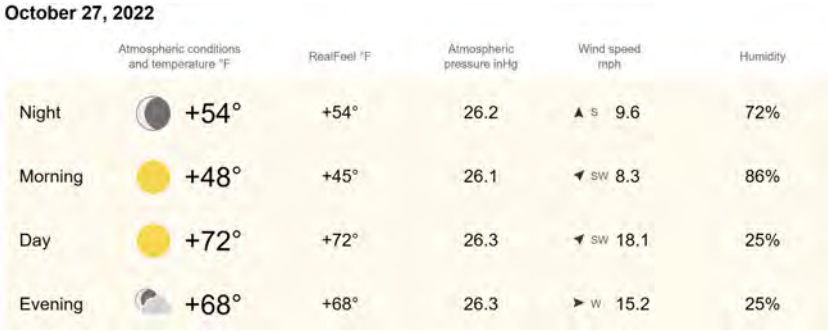
Shimadzu

Device Model:

GC-2014

Last Cal Date:

Sep 26, 2022





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575.397.3713 2609 W Marland Hobbs NM 88240

C6+ Gas Analysis Report

15182G	J.P. Collier #001	J.P. Collier #001	
Sample Point Code	Sample Point Name	Sample Point Location	
Laboratory Services	2022059549	Tedlar Bag	Client - Spot
Source Laboratory	Lab File No	Container Identity	Sampler
USA	USA	USA	New Mexico
District	Area Name	Field Name	Facility Name
Oct 27, 2022	Oct 27, 2022	Nov 1, 2022 06:26	Nov 1, 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)	90.5600	90.55995	
CO2 (CO2)	0.0460	0.04564	
Methane (C1)	8.5950	8.5953	
Ethane (C2)	0.5590	0.55933	0.1490
Propane (C3)	0.1130	0.11252	0.0310
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+)	0.1270	0.12727	0.0550
TOTAL	100.0000	100.0000	0.2350

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
106.5	105.5	106.7	105.7

Calculated Total Sample Properties	
GPA2145-16 *Calculated at Contract Conditions	
Relative Density Real	Relative Density Ideal
0.9358	0.9358
Molecular Weight	
27.1043	

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

Field H2S
0.5 PPM

PROTREND STATUS: Passed By Validator on Nov 2, 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	Nov 1, 2022 3:55 pm	Methane PPM: 85,950

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 300597

DEFINITIONS

Operator: LEASE HOLDERS ACQUISITIONS, INCORPORATED 705 S Mustang Rd #127 Yukon, OK 73099	OGRID: 372878
	Action Number: 300597
	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 I1625 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 300597

QUESTIONS

Operator: LEASE HOLDERS ACQUISITIONS, INCORPORATED 705 S Mustang Rd #127 Yukon, OK 73099	OGRID: 372878
	Action Number: 300597
	Action Type: [UF-OMA] Pre-Plug Methane Monitoring (UF-OMA-MMA)

QUESTIONS

Prerequisites	
[OGRID] Well Operator	[372878] LEASE HOLDERS ACQUISITIONS, INCORPORATED
[API] Well Name and Number	[30-025-00996] J P COLLIER #001
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	10/27/2022
Latitude	33.38212
Longitude	-103.60424

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)	20.1
Average flow temperature in degrees Celsius (°C)	11.4
Average gauge flow pressure in kilopascals (kPag)	3.6
Methane concentration in part per million (ppm)	85,950
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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