

# Test Report

Start Date: Sun Dec 18 2022 21:35:38 GMT+0000 (Coordinated Universal Time) End Date: Mon Dec 19 2022 21:08:32 GMT+0000 (Coordinated Universal Time)

Device: VB100-0047 Well Licensee: NMOCD Well Name: ELIZABETH 003 UWI: 30-005-60744

Well License Number: 30-005-60744 Surface Location: CHAVEZ COUNTY Bottom Hole Location: UNKNOWN Test Operator: F.V.
Authorized By: NMOCD
Test Reason: IIJA/PRE PLUG
Scope Of Work: 12-HR
AFE Number: 52100-0000072998
GPS: 33.64097,-104.02693
Notes: MONITORING TUBING FLOW
Prepared By: Curtis Shuck, QMS

## Flow / Pressure Test

Flow Duration

23 hrs 31 minutes

Duration

Average Flowrate 0.0013

m3/d

Average Pressure

kPag

2.4342

Average Flow Temperature

5.1882

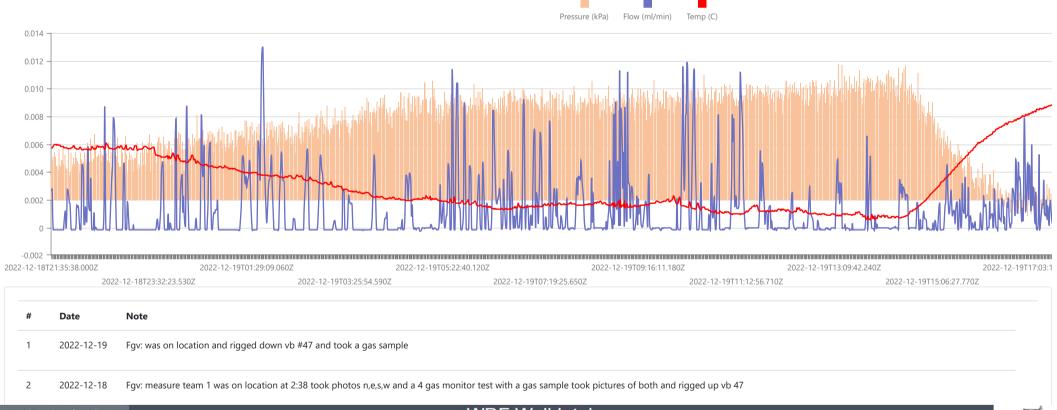
°C

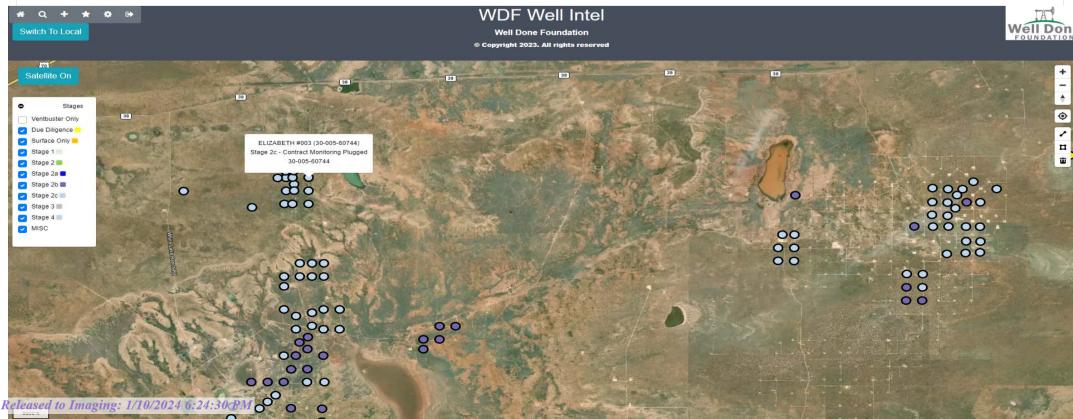
Average CH4 Mass

0.00 g/hr

**Methane Calculation:** 717 grams CH4 per cubic meter (717 g/m<sup>3</sup> x 0.0013 m<sup>3</sup>/day = 0.93 g/day total /24 = 0.04 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/m<sup>3</sup>; 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/ft<sup>3</sup>], or 0.0004144 ounce per cubic inch [oz/inch<sup>3</sup>].

# Flow / Pressure / Temperature Timeseries











VARIORATORYS NOS

C6+ Gas Analysis Report

Elizabeth #003 Tubing Elizabeth #003 Pre Plug 15558G Sample Point Code Sample Point Location

Laborator	y Services	2022061776	Tedlar Ba	g	Francis V Spot	
Source L	aboratory	Lab File No	Container Ider	itity	Sampler	
USA		USA	USA		New Mexico	
District		Area Name	Field Name		Facility Name	
Dec 18, 202	2 14:21	Dec 18, 2022 14	4:21	Dec 22, 2022 15:20	Dec 23, 2022	
Date Sam	pled	Date Effective		Date Received	Date Reported	
		Torrance				
Ambient Temp (°F)	Flow Rate (Mcf)	Analyst	Press PSI ( Source C	Temp °F onditions		

Well Done Foundation

NG Lab Source Description

Component	Normalized Mol %	Un-Normalized Mol %	GPM
H2S (H2S)	0.0000	0	
Nitrogen (N2)	99.5420	99.54111	
CO2 (CO2)	0.0660	0.06645	
Methane (C1)	0.0000	0	
Ethane (C2)	0.0400	0.0404	0.0110
Propane (C3)	0.0540	0.05393	0.0150
I-Butane (IC4)	0.0100	0.00962	0.0030
N-Butane (NC4)	0.0310	0.03089	0.0100
I-Pentane (ICS)	0.0000	0	0.0000
N-Pentane (NC5)	0.0150	0.01537	0.0050
Hexanes Plus (C6+)	0.2420	0.24223	0.1050
TOTAL	100.0000	100.0000	0.1490

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

	Analyze	r Information		
Device Type:	Gas Chromatograph	Device Make:	Shimadzu	
Device Model:	GC-2014	Last Cal Date:	Sep 26, 2022	

Gross I	Heating Values (R	eal, BTU/	ft³)
14.696 PSI @ 60.0	0 °F	14.73 PSI	@ 60.00 ŰF
Dry Saturated		Dry	Saturated
16.5 17.1		16.5	17.1
Calcul	ated Total Sampl	e Properti	es
GPA214	45-16 *Calculated at Con	tract Conditio	ns
Relative Density F	Real	Relative I	Density Ideal
0.9739		0.	9740
Molecular Weigl	ht		
28.2102			
	C6+ Group Prop	erties	
	Assumed Composit	ion	
C6 - 60.000%	C7 - 30.000%	6 C	8 - 10.000%
	Field H2S		
	0 PPM		
TREND STATUS:		DATA SO	OURCE:
sed By Validator on	Dec 27, 2022	Importe	ed
SED BY VALIDATOR	REASON:		
e enough to be co	nsidered reasona	ble.	
DATOR:			

Luis Cano VALIDATOR COMMENTS: OK

Luis Cano Dec 27, 2022 8:41 am Methane: 0 PPM

### December 18, 2022

	Atmospheric conditions and temperature °F	RealFeel °F	Atmospheric pressure inHg	Wind speed mph	Humidity
Night	( +27°	+21°	30.1	➤ SE 4.5	63%
Morning	+27°	+21°	30.1	➤ SE 4.7	63%
Day	<b>→</b> +45°	+41°	26.3	A s 5.6	38%
Evening	( +37°	+34°	26.3	▶ NE 4.3	66%

Hourly forecast for 18.12.2022



### December 19, 2022

	Atmospheric conditions and temperature °F	RealFeel °F	Atmospheric pressure inHg	Wind speed mph	Humidity
Night	( +28°	+23°	26.3	► w 4.5	82%
Morning	+23°	+18°	26.3	<b>▼</b> sw <b>4.9</b>	86%
Day	+59°	+59°	26.5	► w 9.6	20%
Evening	( +45°	+41°	26.5	▲ NW 8.3	29%

Hourly forecast for 19.12.2022



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



155580	ì		Elizab	eth #003 Pre P	B Pre Plug Elizabeth #6		abeth #003 Tubing	
Sample Point	Code		Sample Point Name			Sample P	oint Location	
Labora	atory Servi	ces	2022061	776	Tedlar Bag		Francis V	Spot
Sour	ce Laboratory	1	Lab File I	No	Container Identity		Sampler	
USA			USA		USA		New Mexic	0
District			Area Name		Field Name		Facility Nam	e
Dec 18,	2022 14:2	1	Dec 18,	2022 14:21	Dec 2	2, 2022 15:20	De	ec 23, 2022
Date	Sampled		Date	e Effective	Di	ate Received	D	ate Reported
			Torrand	<u>ce</u>				
Ambient Temp (°F)	Flo	w Rate (Mcf)	Analyst	t	Press PSI @ Temp °F Source Conditions			
Well Don	ne Foundat	ion					NG	
0	perator						Lab Source Descr	iption
Component		Normalized Mol %	Un-Normalized Mol %	GPM	Gr 14.696 PSI @	oss Heating Valu	-	//ft³) SI @ 60.00 °F
H2S (H2S)		0.0000	0		Dry	Saturated	Dry	Saturated
Nitrogen (N2	2)	99.5420	99.54111		16.5	17.1	16.5	17.1
CO2 (CO2)	,	0.0660	0.06645			Calculated Total S GPA2145-16 *Calculated		
Methane (C1	`	0.0000	0		Relative De			e Density Ideal
	,	0.0400	0.0404	0.0110	0.9 Molecular	739 r Weight	(	).9740
Ethane (C2)			Y			2102		
Propane (C3)	-	0.0540	0.05393	0.0150	1	C6+ Group	Properties	
I-Butane (IC4	1)	0.0100	0.00962	0.0030	4	Assumed Co	-	
N-Butane (NC	4)	0.0310	0.03089	0.0100	C6 - 60.000°	% C7 - 30.	000%	C8 - 10.000%
I-Pentane (IC	5)	0.0000	0	0.0000	<u> </u>	Field 0 Pl		
N-Pentane (NC	C5)	0.0150	0.01537	0.0050	<u> </u>	0 Pi	71 <b>'</b> 1	
Hexanes Plus (C	(6+)	0.2420	0.24223	0.1050	PROTREND STATUS		DATA S	SOURCE:
TOTAL		100.0000	100.0000	0.1490	Passed By Validate			
Method(s): Gas C6+ - GPA 226	51, Extended G	as - GPA 2286, Calcula	tions - GPA 2172		PASSED BY VALIDA' Close enough to b		sonable.	
	Α	nalyzer Informa	tion		VALIDATOR: Luis Cano			
Device Type: Gas (Device Model: GC-2	Chromatogr 2014	•	Make: Shimadz al Date: Sep 26,		VALIDATOR COMME OK	ENTS:		
Source	Dat	te	Notes					
Luis Cano	Dec 27, 2		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

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 302391

#### **DEFINITIONS**

Operator:	OGRID:
CANYON E & P COMPANY	269864
251 O'Connor Ridge Blvd.	Action Number:
Irving, TX 75038	302391
	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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## **State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division** 1220 S. St Francis Dr. **Santa Fe, NM 87505**

QUESTIONS

Action 302391

#### **QUESTIONS**

Operator:	OGRID:
CANYON E & P COMPANY	269864
251 O'Connor Ridge Blvd.	Action Number:
Irving, TX 75038	302391
	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	[30-005-60744] ELIZABETH #003			
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	12/18/2022			
Latitude	33.64097			
Longitude	-104.02693			

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)	23.5			
Average flow temperature in degrees Celsius (°C)	5.1			
Average gauge flow pressure in kilopascals (kPag)	2.4			
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	
ase answer all the questions in this group.	
Name of monitoring contractor	Well Done New Mexico LLC