



Test Report

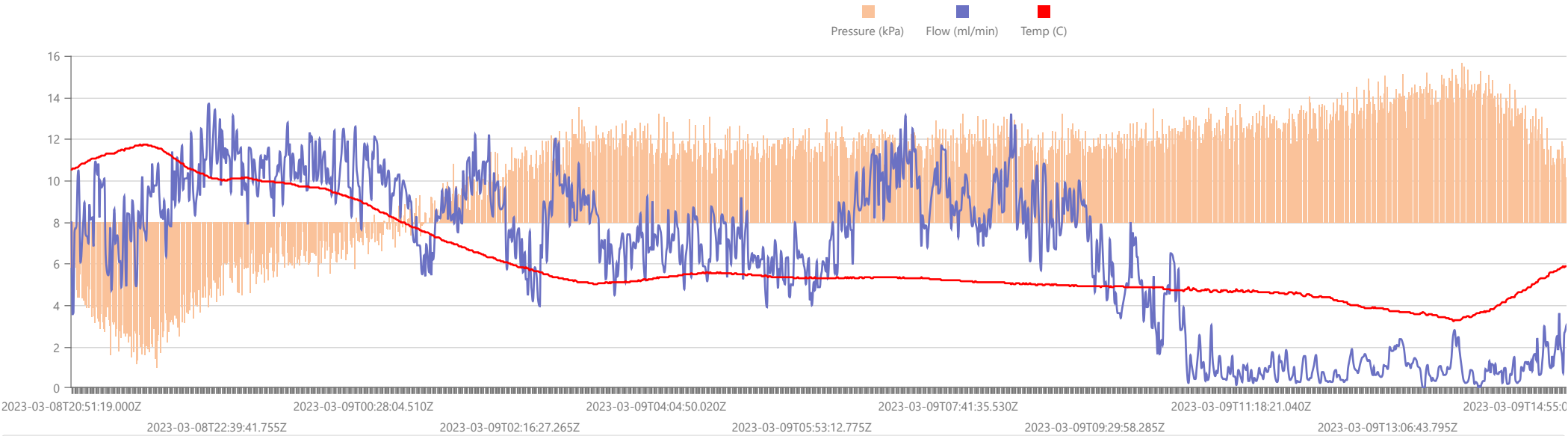
Start Date: Wed Mar 08 2023 20:51:19 GMT+0000 (Coordinated Universal Time) End Date: Thu Mar 09 2023 18:42:48 GMT+0000 (Coordinated Universal Time) Device: VB100-0040 Well Licensee: 30-005-62861 Well Name: Elizabeth C 005 UWI: 30005-62861 Well License Number: 30-005-62861 Surface Location: State of NM 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: 52100-0000073005 GPS: 33.63908,-104.03117 Notes: GTG Prepared By: Curtis Shuck, QMS
---	--

Flow / Pressure Test

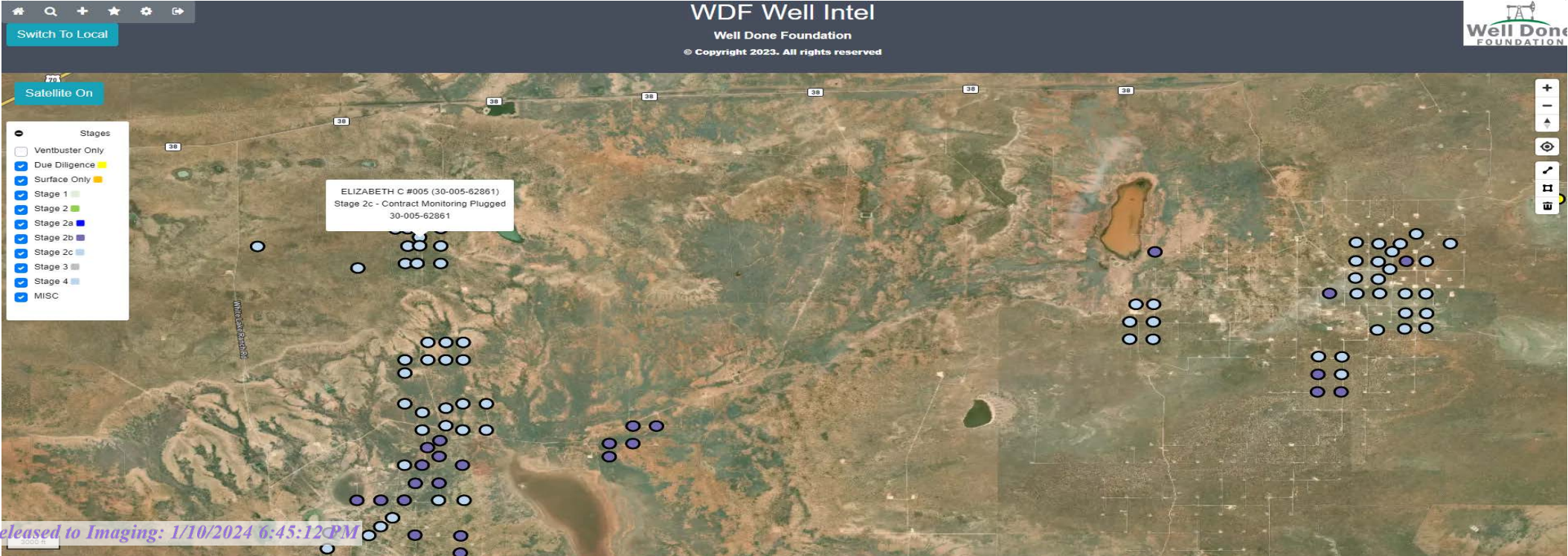
Flow Duration 21 hrs 50 minutes Duration	Average Flowrate 6.0370 m3/d	Average Pressure 0.8823 kPag	Average Flow Temperature 16.5136 °C	Average CH4 Mass 0.00 g/hr
---	---	---	--	--

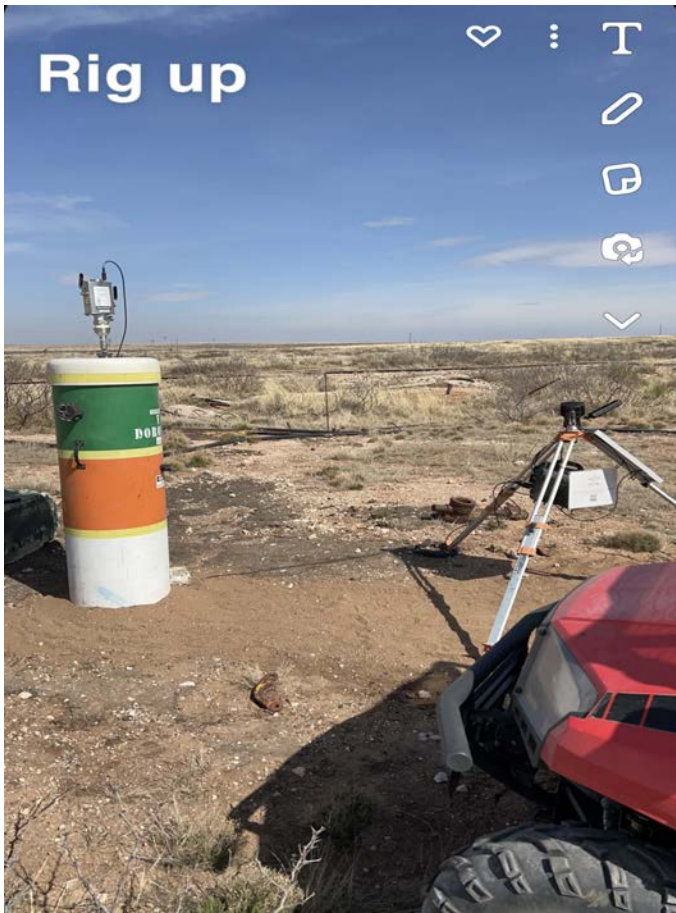
Methane Calculation: 717 grams CH4 per cubic meter (717 g/m³ x 6.0370 m³/day = 4328.53 g/day total /24 = 180.36 g/hour x 0 (methane concentration) = **0.00 g/hour CH4**). **Methane, gas** weighs 0.000717 *gram per cubic centimeter* or 0.717 *kilgram per cubic meter*, i.e. density of *methane, gas* is 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	2023-03-09	Arrived 11:40am 3/9/2023. Rigged down Dorothy flow test. SP VB #40
2	2023-03-08	Arrived 1:35pm 3/8/2023. Rigged up flow test with Dorothy unit. VB #40
3	2023-03-07	Found well and took a photo. Uploaded to well intel immediately.







LABORATORY SERVICES

PERMIAN BASIN ANALYTICAL

www.permianbasin.com

575.397.3713 2609 W Marland Hobbs NM 88240

C6+ Gas Analysis Report

16235G	Elizabeth C #005 Pre Plug	Elizabeth C #005 Casing
Sample Point Code	Sample Point Name	Sample Point Location
Laboratory Services	2023065413	Tedlar Bag
Source Laboratory	Lab File No	Container Identity
USA	USA	USA
District	Area Name	Field Name
Mar 9, 2023 11:41	Mar 9, 2023 11:41	Mar 9, 2023 15:19
Date Sampled	Date Effective	Date Received
	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)	99.5590	99.5588	
CO2 (CO2)	0.0480	0.0479	
Methane (C1)	0.0000	0	
Ethane (C2)	0.0000	0	0.0000
Propane (C3)	0.0000	0	0.0000
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+)	0.3930	0.39331	0.1700
TOTAL	100.0000	100.0000	0.1700

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

Source	Date	Notes
Brooke Rush	Mar 15, 2023 7:20 am	Methane = 0 PPM

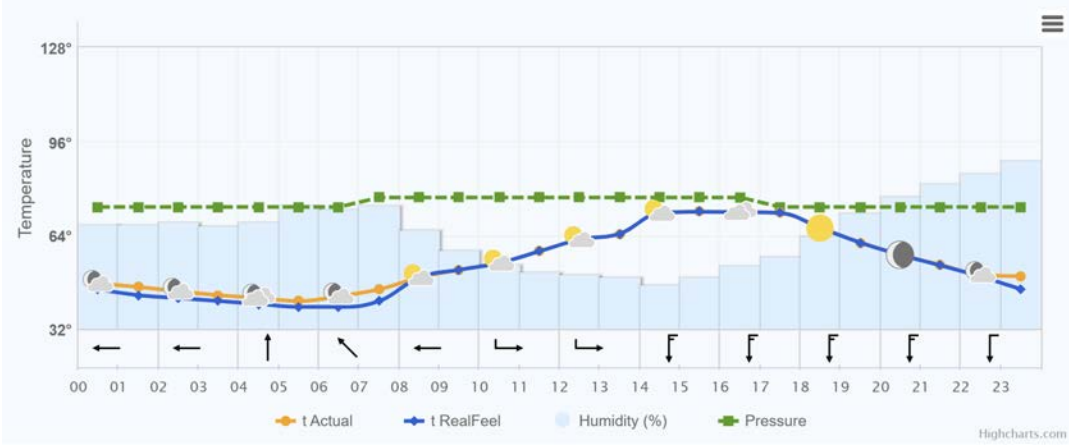
Gross Heating Values (Real, BTU/ft³)			
14.696 PSI @ 60.00 Å°F		14.73 PSI @ 60.00 Å°F	
Dry	Saturated	Dry	Saturated
20.3	20.8	20.3	20.8
Calculated Total Sample Properties			
GPA2145-16 *Calculated at Contract Conditions			
Relative Density Real		Relative Density Ideal	
0.9761		0.9762	
Molecular Weight			
28.2772			
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 15, 2023
PASSED BY VALIDATOR REASON:
First sample taken @ this point, composition looks reasonable
VALIDATOR:
Brooke Rush
VALIDATOR COMMENTS:
OK

C6+ Gas Analysis Report March 08, 2023

	Atmospheric conditions and temperature °F	RealFeel °F	Atmospheric pressure inHg	Wind speed mph	Humidity
Night	+46°	+43°	26.3	► W 4.3	56%
Morning	+45°	+41°	26.4	▲ NW 5.4	66%
Day	+64°	+64°	26.4	◀ E 12.8	28%
Evening	+61°	+61°	26.3	▲ S 15.2	62%

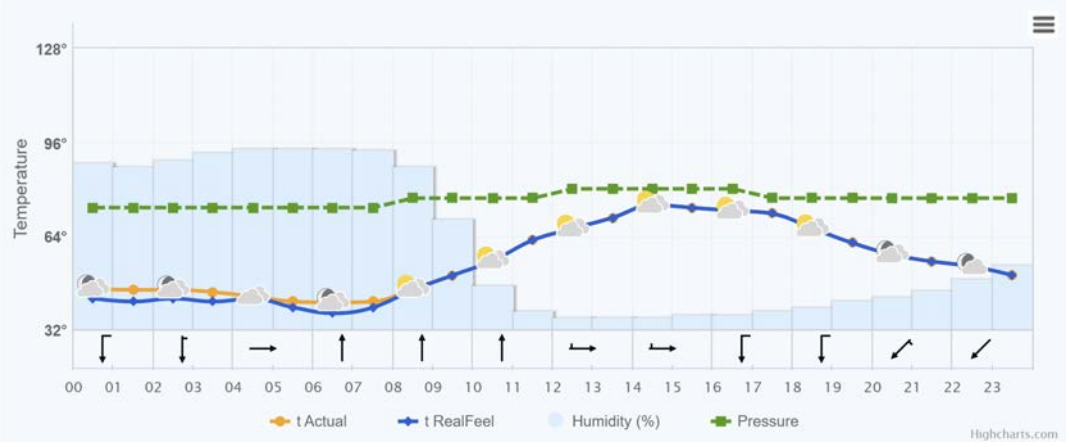
Hourly forecast for 08.03.2023



March 09, 2023

	Atmospheric conditions and temperature °F	RealFeel °F	Atmospheric pressure inHg	Wind speed mph	Humidity
Night	+45°	+41°	26.3	▲ S 5.8	87%
Morning	+41°	+39°	26.3	▼ N 3.6	96%
Day	+70°	+70°	26.5	◀ E 4.3	7%
Evening	+61°	+61°	26.4	▲ S 6	16%

Hourly forecast for 09.03.2023





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

C6+ Gas Analysis Report

16235G	Elizabeth C #005 Pre Plug	Elizabeth C #005 Casing	
Sample Point Code	Sample Point Name	Sample Point Location	
Laboratory Services	2023065413	Tedlar Bag	Sean O. Jacobson - Spot
Source Laboratory	Lab File No	Container Identity	Sampler
USA	USA	USA	New Mexico
District	Area Name	Field Name	Facility Name
Mar 9, 2023 11:41	Mar 9, 2023 11:41	Mar 9, 2023 15:19	Mar 13, 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)	99.5590	99.5588	
CO2 (CO2)	0.0480	0.0479	
Methane (C1)	0.0000	0	
Ethane (C2)	0.0000	0	0.0000
Propane (C3)	0.0000	0	0.0000
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+)	0.3930	0.39331	0.1700
TOTAL	100.0000	100.0000	0.1700

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
20.3	20.8	20.3	20.8

Calculated Total Sample Properties	
GPA2145-16 *Calculated at Contract Conditions	
Relative Density Real	Relative Density Ideal
0.9761	0.9762
Molecular Weight	
28.2772	

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 15, 2023

DATA SOURCE:

Imported

PASSED BY VALIDATOR REASON:

First sample taken @ this point, composition looks reasonable

VALIDATOR:

Brooke Rush

VALIDATOR COMMENTS:

OK

Source	Date	Notes
Brooke Rush	Mar 15, 2023 7:20 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 302395

DEFINITIONS

Operator: CANYON E & P COMPANY 251 O'Connor Ridge Blvd. Irving, TX 75038	OGRID: 269864
	Action Number: 302395
	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 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

QUESTIONS

Action 302395

QUESTIONS

Operator: CANYON E & P COMPANY 251 O'Connor Ridge Blvd. Irving, TX 75038	OGRID: 269864
	Action Number: 302395
	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	[30-005-62861] ELIZABETH C #005
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	03/08/2023
Latitude	33.63908
Longitude	-104.03117

Monitoring Event Details	
Please answer all the questions in this group.	
Flow rate in cubic meters per day (m³/day)	6.03
Test duration in hours (hr)	21.9
Average flow temperature in degrees Celsius (°C)	16.5
Average gauge flow pressure in kilopascals (kPag)	0.8
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