

Test Report

Start Date: Tue Dec 20 2022 17:09:35 GMT+0000 (Coordinated Universal Time) End Date: Wed Dec 21 2022 18:02:14 GMT+0000 (Coordinated Universal Time)

Device: VB100-0049 Well Licensee: NMOCD Well Name: GRAVES 001 UWI: 30-005-60327

Well License Number: 30-005-60327 Surface Location: CHAVES 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: 33.63720,-104.06102
Notes: MONITORING CASING FLOW
Prepared By: Curtis Shuck, QMS

Flow / Pressure Test

Flow Duration

24 hrs 51 minutes

Duration

Average Flowrate -0.0010

m3/d

Average Pressure 2.5199

kPag

Average Flow Temperature

5.8268

°C

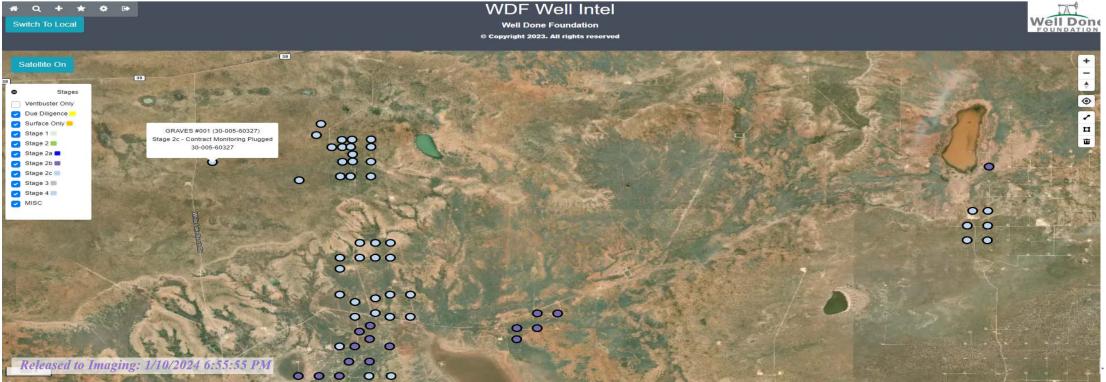
Average CH4 Mass

0.00 g/hr

Methane Calculation: 717 grams CH4 per cubic meter (717 g/m 3 x -0.0010 m 3 /day = -0.72 g/day total /24 = -0.03 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 3 ; 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 3], or 0.0004144 ounce per cubic inch [oz/inch 3].

Flow / Pressure / Temperature Timeseries











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C6+ Gas Analysis Report December 20. 2022

December	20, 2022				
	Atmospheric conditions and temperature °F	RealFeel °F	Atmospheric pressure inHg	Wind speed mph	Humidi
Night	(+34°	+27°	26.5	▼ N 6.7	38%
Morning	+21°	+16°	26.6	▼ N 4	56%
Day	+48°	+46°	26.7	► SE 6.3	23%
Evening	(**) +39°	+34°	26.5	▲ s 6.9	43%

Hourly forecast for 20.12.2022

15555G	<u> </u>	Graves #001 I	Pre Plugging		Graves #001 Casi		
Sample Point Code		Sample Point N	lame			Sample Point Location	
Laborator	ry Services	2022061773	Tedlar Ba	q	Fran	ncis V Spot	
Source L	aboratory	Lab File No	Container Ide	ntity	Sampler		
USA		USA	USA		N	ew Mexico	
District		Area Name	Field Name		Facility Name		
Dec 20, 2022 09:55		Dec 20, 2022 09:55		Dec 22, 2022 1	2, 2022 15:10 Dec 23, 20		
Date Sampled		Date Effective	1337	Date Received	d	Date Reported	
		Torrance	90				
Ambient Temp (°F)	Flow Rate (Mcf)	Analyst		© Temp °F Conditions			
Well Done F	oundation					NG	

Component	Normalized Mol %	Un-Normalized Mol %	GPM
H2S (H2S)	0.0000	0	
Nitrogen (N2)	99.3530	99.3524	
CO2 (CO2)	0.0620	0.06156	
Methane (C1)	0.0000	0	
Ethane (C2)	0.0180	0.01833	0.0050
Propane (C3)	0.0450	0.04536	0.0120
I-Butane (IC4)	0.0100	0.00957	0.0030
N-Butane (NC4)	0.0550	0.05522	0.0170
I-Pentane (IC5)	0.0360	0.03621	0.0130
N-Pentane (NC5)	0.0400	0.04009	0.0140
exanes Plus (C6+)	0.3810	0.38126	0.1650
TOTAL	100.0000	100.0000	0.2290

Gross Heating Values (Real, BTU/ft³) 14.73 PSI @ 60.00 ŰF 14.696 PSI @ 60.00 ŰF Saturated 26.8 26.3 26.7 26.4 Calculated Total Sample Properties GPA2145-16 *Calculated at Contract Conditions Relative Density Real Relative Density Ideal 0.9781 Molecular Weigl 0.9782 28.3324 C6+ Group Properties C7 - 30.000% C8 - 10.000% C6 - 60.000% 0 PPM ROTREND STATUS: DATA SOURCE:

Sep 26, 2022 Device Model: GC-2014 Last Cal Date: Source Date Notes

Dec 27, 2022 8:46 am Methane: 0 PPM

Device Make:

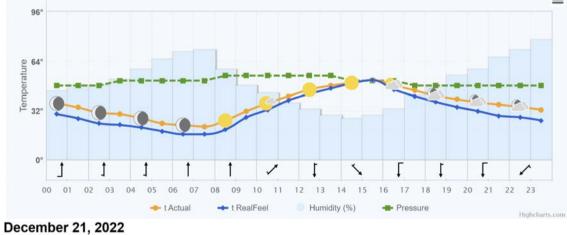
Device Type:

Luis Cano

Gas Chroma

Shimadzu

Passed By Validator on Dec 27, 2022	Imported
PASSED BY VALIDATOR REASON: Close enough to be considered reason	able.
VALIDATOR:	
Luis Cano VALIDATOR COMMENTS:	
OK	



Atmospheric conditions and temperature °F Atmospheric Wind speed RealFeel °F Humidity pressure inHg +30° 61% Night +23° 26.5 ▲s 5.8 +30° +25° 81% Morning 26.4 ▲s 4.7 +48° Day +46° 30%

+36°

26.3

▲s 4.7

▼ sw 3.8

+39° Hourly forecast for 21.12.2022

Evening



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



155550	ŝ		(Graves #001 F	11 Pre Plugging Graves #001 Cas			#001 Casing	
Sample Point	Code			Sample Point N	ame Sample Point Location			Point Location	
Labora	atory Servi	ces	2022061	773	Tedlar	Bag	F	rancis V.	- Spot
Sour	rce Laborator	у	Lab File	No	Container	Identity		Sample	r
USA			USA		USA			New Mex	cico
District			Area Name	_	Field Name	2		Facility Na	me
Dec 20,	2022 09:5	5	Dec 20,	2022 09:55		Dec 22,	2022 15:10		Dec 23, 2022
Date	Sampled		Date	e Effective		Date	e Received		Date Reported
			Torran	ce					
Ambient Temp (°F)	Flo	ow Rate (Mcf)	Analys	İ		PSI @ Temp °F ce Conditions			
	ne Foundat	ion				_		NG	
	perator						Lai	b Source Des	cription
Component		Normalized Mol %	Un-Normalized Mol %	GPM		Gros 14.696 PSI @ 6	ss Heating Values 50.00 â°F	•	U/ft³) PSI @ 60.00 °F
H2S (H2S)		0.0000	0			Dry	Saturated	Dry	Saturated
Nitrogen (N2	2)	99.3530	99.3524		-	26.3	26.7	26.4	26.8
CO2 (CO2)		0.0620	0.06156		-		culated Total Sar A2145-16 *Calculated at		
Methane (C1		0.0000	0		-	Relative Dens	•	Relati	ive Density Ideal
Ethane (C2)		0.0180	0.01833	0.0050	-	0.978 Molecular W			0.9782
Propane (C3		0.0450	0.04536	0.0120	-	28.3324			
I-Butane (IC4		0.0100	0.00957	0.0030	_		C6+ Group P	roperties	
N-Butane (NC		0.0550	0.05522	0.0170	-	Assumed Composition		60 10 0000/	
`		0.0360	0.03522	0.0170	┥╠	C6 - 60.000%	C7 - 30.00		C8 - 10.000%
I-Pentane (IC		<u> </u>	l T		_	0 PPM			
N-Pentane (NO		0.0400	0.04009	0.0140		4			
Hexanes Plus (0	26+)	0.3810	0.38126	0.1650		END STATUS:			SOURCE:
TOTAL		100.0000	100.0000	0.2290		d By Validator D BY VALIDATO	on Dec 27, 2022	2 Impo	orted
Method(s): Gas C6+ - GPA 220	61, Extended G	ias - GPA 2286, Calcula	tions - GPA 2172				considered reasons	onable.	
Analyzer Information				VALID					
· ·	Chromatogr	•	Make: Shimadz		Luis C	ano ATOR COMMEN	те.		
Device Model: GC-2	2014	Last C	al Date: Sep 26,	2022	OK	ATOR COMMEN	13.		
Source	Da	te	Notes						

Luis Cano

Dec 27, 2022 8:46 am Methane: 0 PPM

<u>District I</u> 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 302397

DEFINITIONS

Operator:	OGRID:
CANYON E & P COMPANY	269864
251 O'Connor Ridge Blvd.	Action Number:
Irving, TX 75038	302397
	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 302397

QUESTIONS

Operator:	OGRID:
CANYON E & P COMPANY	269864
251 O'Connor Ridge Blvd.	Action Number:
Irving, TX 75038	302397
	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	[30-005-60327] GRAVES #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	12/20/2022			
Latitude	33.63720			
Longitude	-104.06102			

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)	24.9			
Average flow temperature in degrees Celsius (°C)	5.8			
Average gauge flow pressure in kilopascals (kPag)	2.5			
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			