

### **Pre Plugging Methane Quantification Test Report**

Report Prepared By Curtis Shuck

**Start Date:** Wed Dec 06 2023 20:36:10 GMT+0000

(Coordinated Universal Time)

End Date: Tue Dec 19 2023 20:16:48 GMT+0000

(Coordinated Universal Time)

**Test Time Subset:** 2023-12-06T20:33:57.807Z -

2023-12-19T20:01:36.534Z

**Device:** VB100-0049

Well Licensee: NMOCD

Well Name: DOUBLE L QUEEN UNIT 008

**UWI**: 30-005-601108

Well License Number: 30-005-60108

Surface Location:

Bottom Hole Location:

Unknown

Test Operator:

CES QMS

Authorized By:

NMOCD

Test Reason: Pre Plug

Scope Of Work: 12 Hours

AFE Number: Unknown

**GPS:** 33.05325,-103.97416 **Notes:** surface casing vent

### **Orphan Well Flow Test Results**

Average Flowrate 0.0028 scf/hr	Average Flow Temperature <b>50.85</b> °F	Average Flow Pressure <b>0.6324</b> psi	Flow Duration 18687.65 min	Methane Concentration <b>null</b> %	Methane Emissions <b>null</b> g/hr	Benzene N/A ppm
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Annual Emission Rate =  $(\bar{x}Qmeasured) \times (Concmeasured) \times p \times 0.454 \times 8,760$ 

### Methane Calculation:

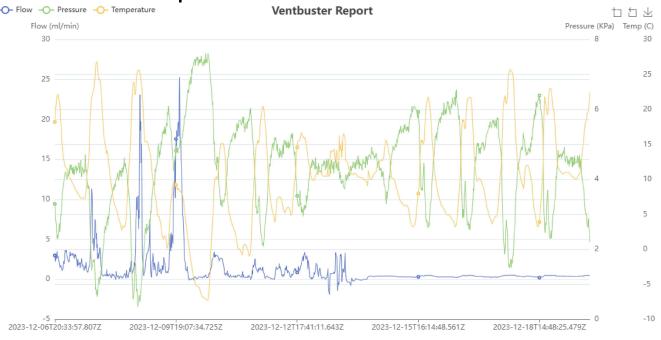
 $(\bar{x}Qmeasured)$  0.0028 scf/hr x (Concmeasured) null= null scf CH4/hr Methane Flow x (p) x .0423 x .454 x 8,760 = null CH4 kg/yr Emission Rate

#### Where

Qmeasured - scf/hr total measured flow Concmeasured - methane concentration measured p - 0.0423 methane density at 1 atm; 60° F 0.454 - Conversion from lb to kg

Released to Imaging: 11/3/2025 9:33:48 AM

# Flow/Pressure/Temperature Timeseries On Flow On Pressure On Temperature Ventbuster Report



## **Site Photos**







**Site Photos** 



15335G		D	ouble L Queen	#008		Double L Ç	Queen #008
Sample Point Code			Sample Point Na	ame		Sample Po	int Location
Laboratory Serv	ices	2022060	366	haq		FV - Snot	
Source Laborator		Lab File N		bag FV - Spot  Container Identity Sampler			
	1			,		·	_
USA District		USA Area Name		USA New Mexico Field Name Facility Name			
Nov 15, 2022 13:	17		2022 13:17	, ·		18, 2022	
Date Sampled		Nov 15, 2022 13:17  Date Effective		Date Received			te Reported
		Torrand	re				
Ambient Temp (°F)	low Rate (Mcf)	Analyst		Press PSI @ Temp °F Source Conditions			
Well Done Founda	tion					gas	
Operator					L	ab Source Descrip	otion
Component	Normalized Mol %	Un-Normalized Mol %	GPM	1 1	ross Heating Value		ft³) : @ 60.00 °F
H2S (H2S)	0.0000	0		Dry	Saturated	Dry	Saturated
Nitrogen (N2)	96.9550	96.95503		98.5	97.7 Calculated Total Sa	98.7	97.9
CO2 (CO2)	0.1150	0.1147			GPA2145-16 *Calculated		
Methane (C1)	0.6340	0.63398		1 1	ensity Real		Density Ideal
Ethane (C2)	0.3990	0.39887	0.1070		1999 ar Weight	0.	9998
Propane (C3)	0.2880	0.28805	0.0790	28.9	9639		
I-Butane (IC4)	0.0510	0.05086	0.0170	<b>1</b>	C6+ Group	-	
N-Butane (NC4)	0.1550	0.15542	0.0490	C6 - 60.000	Assumed Co % C7 - 30.0	•	08 - 10.000%
I-Pentane (IC5)	0.0000	0	0.0000		Field I		
N-Pentane (NC5)	0.1090	0.10924	0.0400	7	0 PF	PM	
Hexanes Plus (C6+)	1.2940	1.29384	0.5610				
TOTAL	100.0000	100.0000	0.8530	PROTREND STATUS Passed By Validat		DATA SO 22 Importe	
Method(s): Gas C6+ - GPA 2261, Extended	Gas - GPA 2286, Calcula	tions - GPA 2172		PASSED BY VALIDA  Close enough to I		sonable	
Device Type: Gas Chromatog Device Model: GC-2014	•	tion  Make: Shimadz  al Date: Sep 26,		VALIDATOR: Luis Cano VALIDATOR COMMI			
Source D	ate	Notes					
Luis Cano Nov 18,	2022 4:26 pm	Methane: 6,340 PF	PM				

Sante Fe Main Office Phone: (505) 476-3441

General Information Phone: (505) 629-6116

Online Phone Directory <a href="https://www.emnrd.nm.gov/ocd/contact-us">https://www.emnrd.nm.gov/ocd/contact-us</a>

# State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

DEFINITIONS

Action 521211

### **DEFINITIONS**

Operator:	OGRID:
Well Done New Mexico LLC (OPG Vendor)	333567
333 Main St	Action Number:
Shelby, MT 59474	521211
	Action Type:
	[UF-OMA] Pre-Plug Methane Monitoring (UF-OMA-MMA)

#### DEFINITIONS

The OCD Mitigation Activity (OMA) forms are a subset of the OCD's forms exclusively designed for activities related to State of New Mexico's contracted evaluation, plugging, decommissioning, remediation, salvage and reclamation activities. Specifically, these forms are typically used where the OCD has acquired a hearing order allowing the OCD to perform mitigation activities on wells and associated facilities that no longer have an authorized or viable operator to perform the necessary work. These forms are not to be utilized for any other purpose.

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QUESTIONS

Action 521211

### **QUESTIONS**

Operator:	OGRID:
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333 Main St	Action Number:
Shelby, MT 59474	521211
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### QUESTIONS

Prerequisites		
[OGRID] Well Operator	[269864] CANYON E & P COMPANY	
[API] Well Name and Number	[30-005-60108] DOUBLE L QUEEN UNIT #008	
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	12/19/2023	
Latitude	33.0532608	
Longitude	-103.9741135	

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)	96.0	
Average flow temperature in degrees Celsius (°C)	10.5	
Average gauge flow pressure in kilopascals (kPag)	4.4	
Methane concentration in part per million (ppm)	6,340	
Methane emission rate in grams per hour (g/hr)	0.05	
Testing Method	Steady State	

Monitoring Contractor		
Please answer all the questions in this group.		
Name of monitoring contractor	WELL DONE NEW MEXICO LLC	