



333 Main Street Shelby, Montana 59474 / P.O. Box 10640 Bozeman, MT 59179

(406) 460-0903

TO: Jim Griswold, OCD

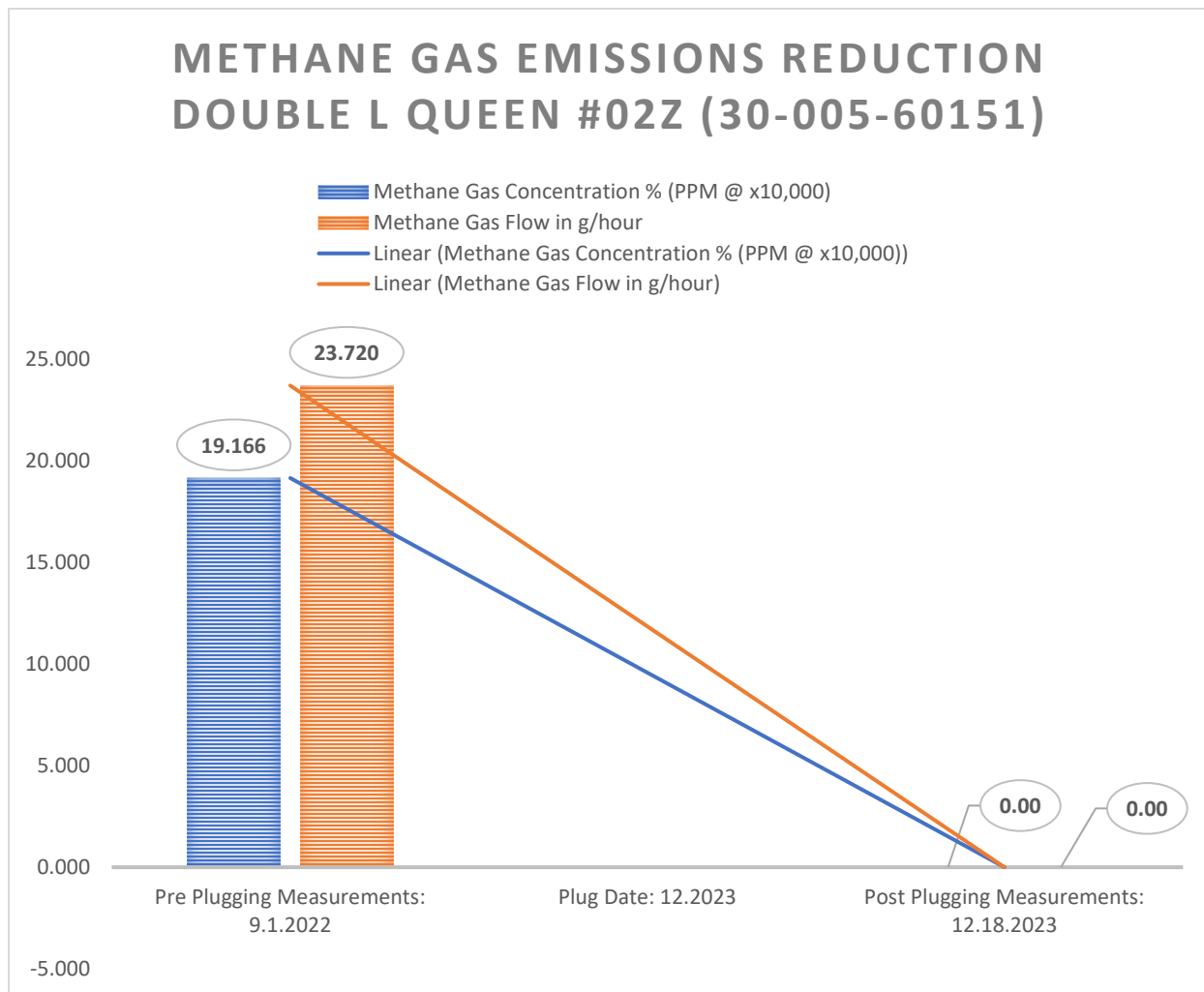
FROM: Curtis Shuck, WDNM

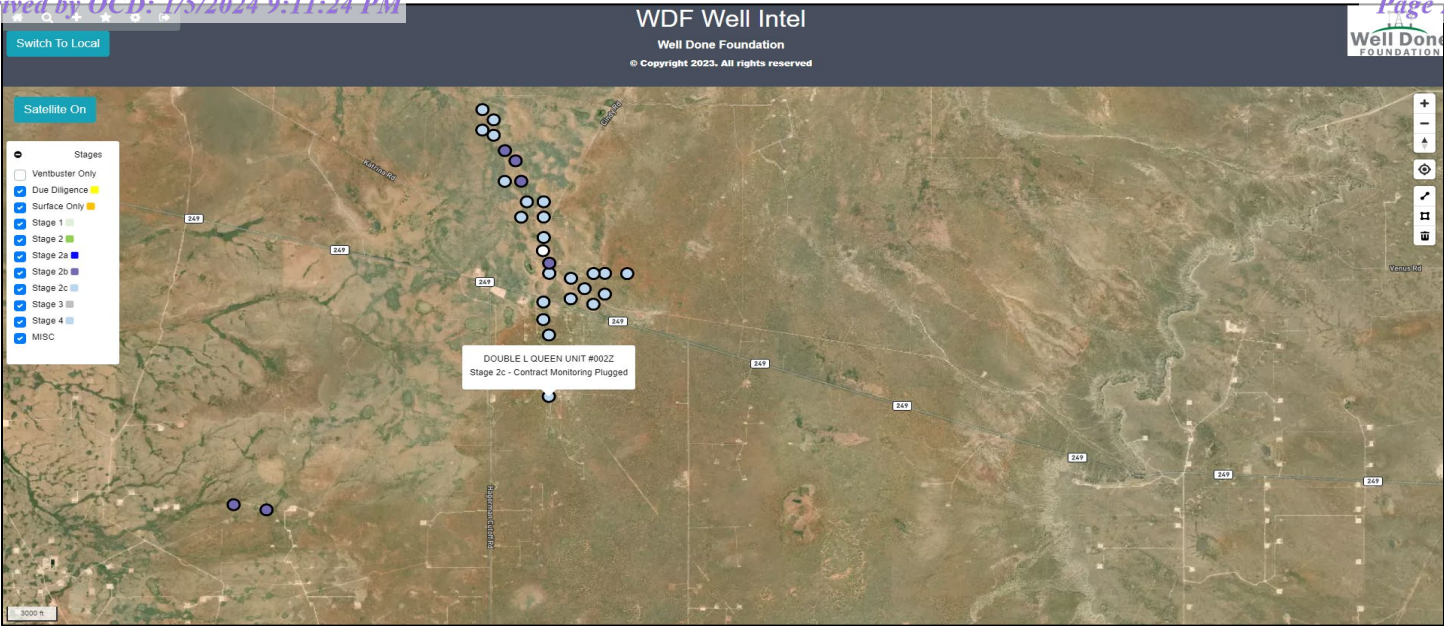
DATE: December 31, 2023

RE: Double L Queen #02Z (30-005-60151) Post Plugging Methane Emission Reduction Report

MEMORANDUM

Well Done New Mexico LLC performed Post Plugging Orphan Well Methane Emission Testing, Gas Sampling & Analysis on the Double L Queen #02Z (30-005-60151) on December 19, 2023. The following are the conclusions:



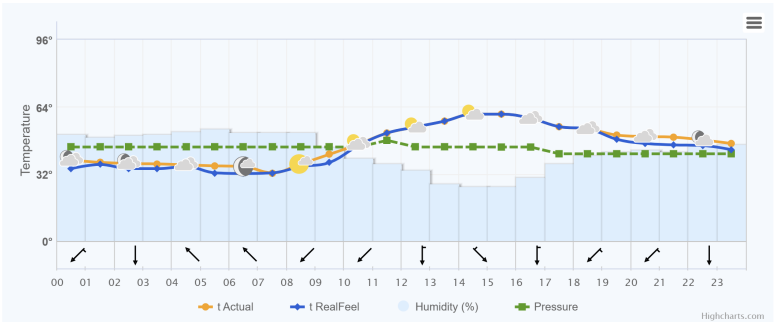


December 19, 2023

C6+ Gas Analysis Report			
19620G	DLQ 2Z POST PLUG	DLQ 2Z POST PLUG	
Sample Point Code	Sample Point Name	Sample Point Location	
Laboratory Services	2023081629	BAG	CES - Spot
Source Laboratory	Lab File No	Container Identity	Sampler
USA	USA	USA	New Mexico
District	Area Name	Field Name	Facility Name
Dec 19, 2023 09:34	Dec 1, 2023	Dec 20, 2023 09:46	Dec 20, 2023
Date Sampled	Date Effective	Date Received	Date Reported
System Administrator			
Ambient Temp (°F)	Flow Rate (MGD)	Analysis	Press PSI @ Temp °F
Source Conditions			
Well Done Foundation			
Operator			
Lab Source Description			
Component	Normalized Mol %	Un-Normalized Mol %	GPM
H2S (H2S)	0.0000	0	
Nitrogen (N2)	98.9820	98.982	
CO2 (CO2)	0.1880	0.188	
Methane (C1)	0.0000	0	
Ethane (C2)	0.0200	0.02	0.0050
Propane (C3)	0.0130	0.013	0.0040
1-Butane (C4)	0.0000	0	0.0000
N-Butane (NC4)	0.0190	0.019	0.0060
1-Pentane (C5)	0.0000	0	0.0000
N-Pentane (NC5)	0.0460	0.046	0.0170
Hexanes Plus (C6+)	0.8340	0.834	0.3620
TOTAL	100.0000	99.9990	0.3940
Gross Heating Values (Real, BTU/lb)			
14.606 PSI @ 60.00 A/P			
Dry			
46.1			
Saturated			
46.2			
Calculated Total Sample Properties			
GPM245-18 °C Calculated at Contract Conditions			
Relative Density (Real)			
0.9879			
Relative Density (Ideal)			
0.9879			
Molecular Weight			
28.6152			
C6+ Group Properties			
Assumed Composition			
C6 - 60.000% C7 - 30.000% C8 - 10.000%			
Free H2S			
0 PPM			
PROTIREND STATUS:			
Passed By Validator on Dec 20, 2023			
PASSED BY VALIDATOR REASON:			
First sample taken @ this point, composition looks reasonable			
VALIDATOR:			
Dustin Armstrong			
VALIDATOR COMMENTS:			
OK			
Analyzer Information			
Device Type: Gas Chromatograph			
Device Model: GC-2014			
Last Cal Date: Dec 18, 2023			
Source			
Dustin Armstrong			
Date			
Dec 20, 2023 4:35 pm			
Notes			
Methane = 0 ppm			

	Atmospheric conditions and temperature °F	RealFeel °F	Atmospheric pressure inHg	Wind speed mph	Humidity
Night	+37°	+37°	26.4	SW 2.7	78%
Morning	+32°	+32°	26.4	NW 1.8	81%
Day	+57°	+57°	26.4	S 5.4	43%
Evening	+50°	+48°	26.3	SW 5.4	67%

Hourly forecast for 19.12.2023





19620G	DLQ 2Z POST PLUG	DLQ 2Z POST PLUG	
Sample Point Code	Sample Point Name	Sample Point Location	
Laboratory Services	2023081629	BAG	CES - Spot
Source Laboratory	Lab File No	Container Identity	Sampler
USA	USA	USA	New Mexico
District	Area Name	Field Name	Facility Name
Dec 19, 2023 09:34	Dec 1, 2023	Dec 20, 2023 09:46	Dec 20, 2023
Date Sampled	Date Effective	Date Received	Date Reported
System Administrator			
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)	98.8820	98.881	
CO2 (CO2)	0.1860	0.186	
Methane (C1)	0.0000	0	
Ethane (C2)	0.0200	0.02	0.0050
Propane (C3)	0.0130	0.013	0.0040
I-Butane (IC4)	0.0000	0	0.0000
N-Butane (NC4)	0.0190	0.019	0.0060
I-Pentane (IC5)	0.0000	0	0.0000
N-Pentane (NC5)	0.0460	0.046	0.0170
Hexanes Plus (C6+)	0.8340	0.834	0.3620
TOTAL	100.0000	99.9990	0.3940

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:	Dec 18, 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
46.1	46.2	46.2	46.3

Calculated Total Sample Properties	
GPA2145-16 *Calculated at Contract Conditions	
Relative Density Real	Relative Density Ideal
0.9879	0.9879
Molecular Weight	
28.6152	

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

Field H2S
0 PPM

PROTREND STATUS:

Passed By Validator on Dec 20, 2023

DATA SOURCE:

Imported

PASSED BY VALIDATOR REASON:

First sample taken @ this point, composition looks reasonable

VALIDATOR:

Dustin Armstrong

VALIDATOR COMMENTS:

OK

Source	Date	Notes
Dustin Armstrong	Dec 20, 2023 4:35 pm	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 300517

DEFINITIONS

Operator: CANYON E & P COMPANY 251 O'Connor Ridge Blvd. Irving, TX 75038	OGRID: 269864
	Action Number: 300517
	Action Type: [UF-OMA] Post-Plug Methane Monitoring (UF-OMA-MMB)

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 300517

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Operator: CANYON E & P COMPANY 251 O'Connor Ridge Blvd. Irving, TX 75038	OGRID: 269864
	Action Number: 300517
	Action Type: [UF-OMA] Post-Plug Methane Monitoring (UF-OMA-MMB)

QUESTIONS

Prerequisites	
[OGRID] Well Operator	[269864] CANYON E & P COMPANY
[API] Well Name and Number	[30-005-60151] DOUBLE L QUEEN UNIT #002Z
Well Status	Plugged (not released)

Monitoring Event Information	
Please answer all the questions in this group.	
Reason For Filing	Post-Plug Methane Monitoring
Date of monitoring	12/19/2023
Latitude	33.0296478
Longitude	-103.974205

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)	2.0
Average flow temperature in degrees Celsius (°C)	0.0
Average gauge flow pressure in kilopascals (kPag)	0.0
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