



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

(406) 460-0903

TO: Jim Griswold, OCD

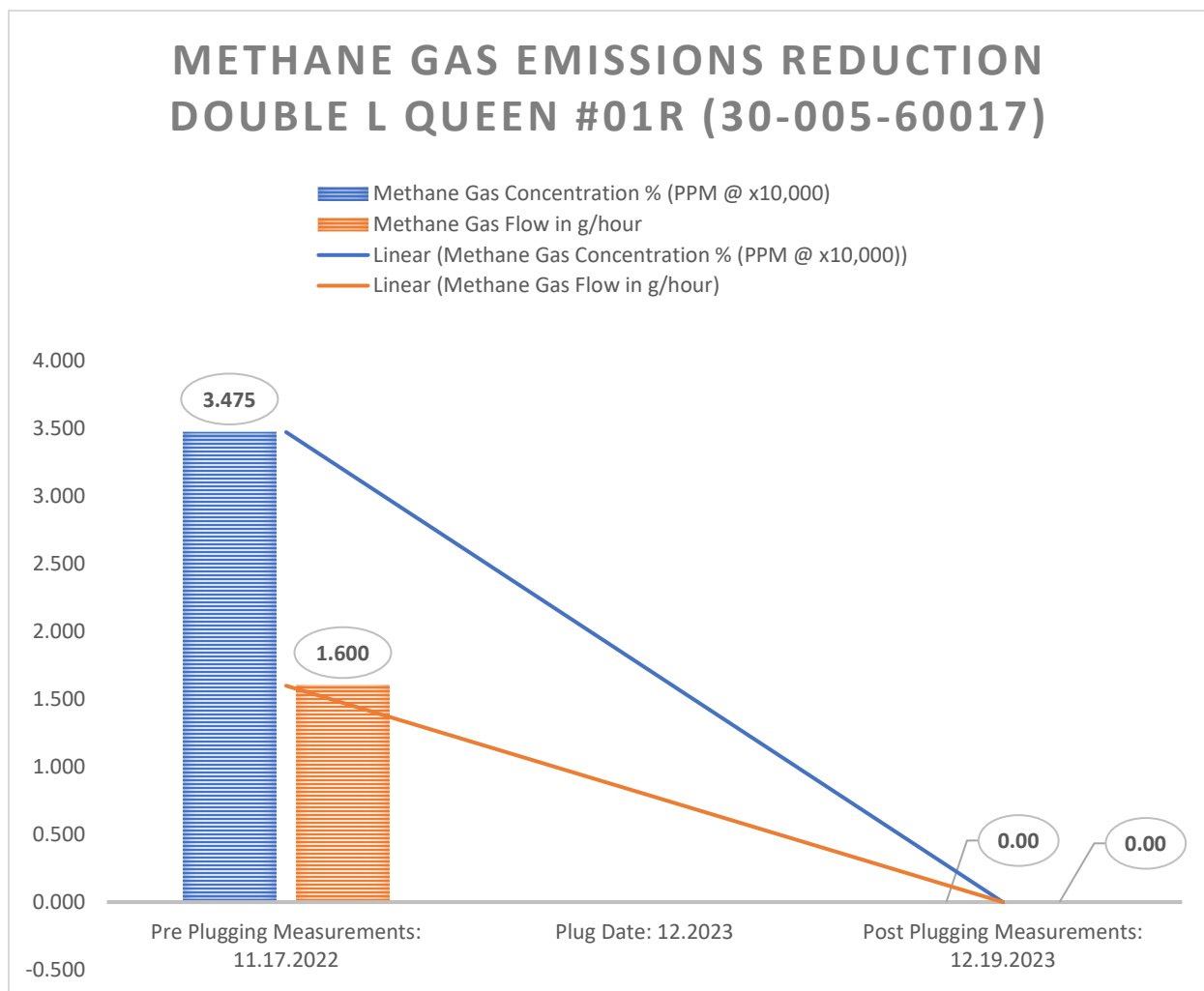
FROM: Curtis Shuck, WDNM

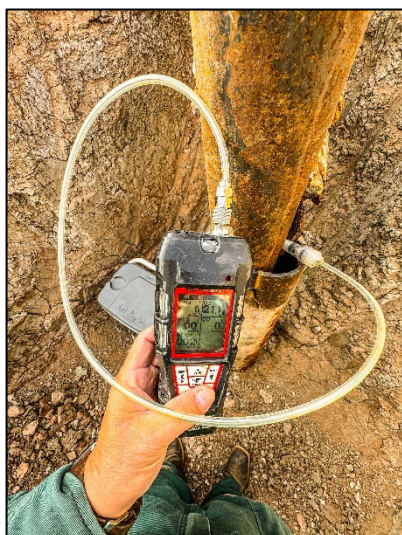
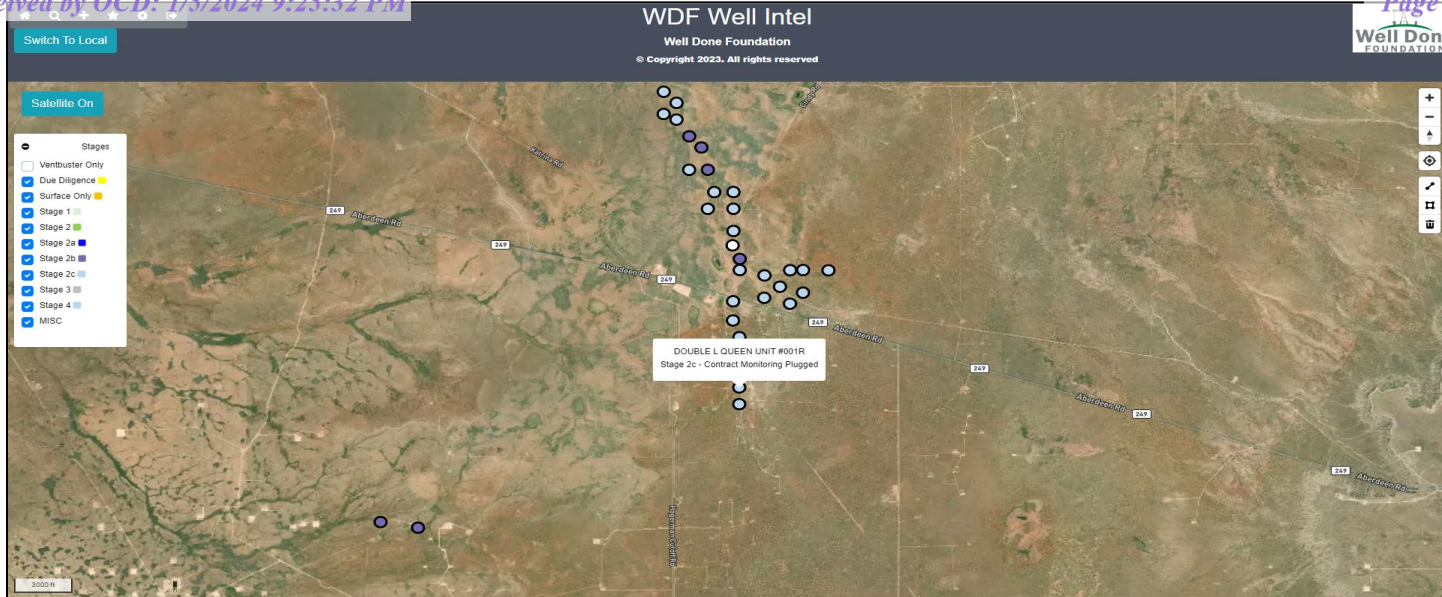
DATE: December 31, 2023

RE: Double L Queen #01R (30-005-60017) 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 #01R (30-005-60017) on December 19, 2023. The following are the conclusions:



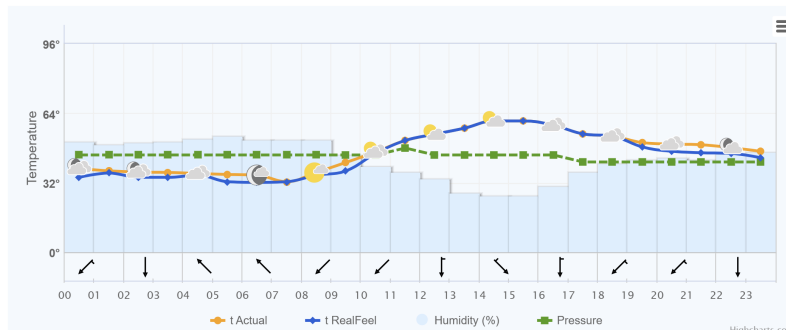


LABORATORY SERVICES		www.porramis.com		C6+ Gas Analysis Report	
19608G		DLO IR POST PLUG		DLO IR POST PLUG	
Sample Point Code		Sample Point Name		Sample Point Location	
Laboratory Services		2023081617		BAG	
Source Laboratory		Lab File No		Container Identity	
USA		USA		New Mexico	
District		Area Name		Facility Name	
Dec 19, 2023 09:49		Dec 1, 2023		Dec 20, 2023 09:07	
Date Sampled		Date Effective		Date Received	
Ambient Temp (°F)		Flow Rate (ft³)		Admin	
Well Done Foundation		Operator		Lab Source Description	
Component		Normalized		Un-Normalized	
H2S (H2S)		Mg/L		Mg/L	
Nitrogen (N2)		99.4220		99.42186	
CO2 (CO2)		0.0000		0	
Methane (C1)		0.0000		0	
Ethane (C2)		0.0000		0	
Propane (C3)		0.0000		0	
I-Butane (IC4)		0.0000		0	
N-Butane (NC4)		0.0000		0	
I-Pentane (IC5)		0.0000		0	
N-Pentane (NC5)		0.0000		0	
Hexanes Plus (C6+)		0.5780		0.57814	
TOTAL		100.0000		100.0000	
Gross Heating Values (Real, BTU/lb)		14.696 PSI @ 60.00 kPa		14.73 PSI @ 60.00 kPa	
Dry		29.7		30.1	
Saturated		29.8		30.2	
Calculated Total Sample Properties		GPA2145:16 "Calculated at Contract Conditions"		Relative Density Ideal	
Relative Density Ideal		0.5802		Relative Density Ideal	
Molecular Weight		28.3901		C6+ Group Properties	
C6+ Group Properties		Assumed Composition		C7 - 30.000%	
C6 - 60.000%		C7 - 30.000%		C8 - 10.000%	
Field H2S		0 PPM		DATA SOURCE:	
PROTEND STATUS:		Passed By Validator on Dec 20, 2023		Imported	
PASSED BY VALIDATOR REASON:		First sample taken @ this point, composition looks reasonable		VALIDATOR:	
VALIDATOR:		Dustin Armstrong		VALIDATOR COMMENTS:	
OK					
Analyzer Information		Device Model:		Shimadzu	
Device Type:		GC-2014		Last Cal Date:	
Source		Date		Notes	
Dustin Armstrong		Dec 20, 2023 4:21 pm		Methane = 0 ppm	

December 19, 2023

	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





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

C6+ Gas Analysis Report

19608G	DLQ 1R POST PLUG	DLQ 1R POST PLUG	
Sample Point Code	Sample Point Name	Sample Point Location	
Laboratory Services	2023081617	BAG	CURTIS - Spot
Source Laboratory	Lab File No	Container Identity	Sampler
USA	USA	USA	New Mexico
District	Area Name	Field Name	Facility Name
Dec 19, 2023 09:49	Dec 1, 2023	Dec 20, 2023 09:07	Dec 20, 2023
Date Sampled	Date Effective	Date Received	Date Reported
Admin			
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)	99.4220	99.42186	
CO2 (CO2)	0.0000	0	
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+)	0.5780	0.57814	0.2510
TOTAL	100.0000	100.0000	0.2510

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
29.7	30.1	29.8	30.2

Calculated Total Sample Properties	
GPA2145-16 *Calculated at Contract Conditions	
Relative Density Real	Relative Density Ideal
0.9802	0.9802
Molecular Weight	
28.3901	

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 4:21 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 300519

DEFINITIONS

Operator: CANYON E & P COMPANY 251 O'Connor Ridge Blvd. Irving, TX 75038	OGRID: 269864
	Action Number: 300519
	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 300519

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Operator: CANYON E & P COMPANY 251 O'Connor Ridge Blvd. Irving, TX 75038	OGRID: 269864
	Action Number: 300519
	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	[30-005-60117] DOUBLE L QUEEN UNIT #001R
Well Status	Reclamation Fund Approved

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	33.03233
Longitude	-103.97414

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)	1.0
Average flow temperature in degrees Celsius (°C)	1.5
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