



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

(406) 460-0903

TO: Jim Griswold, OCD

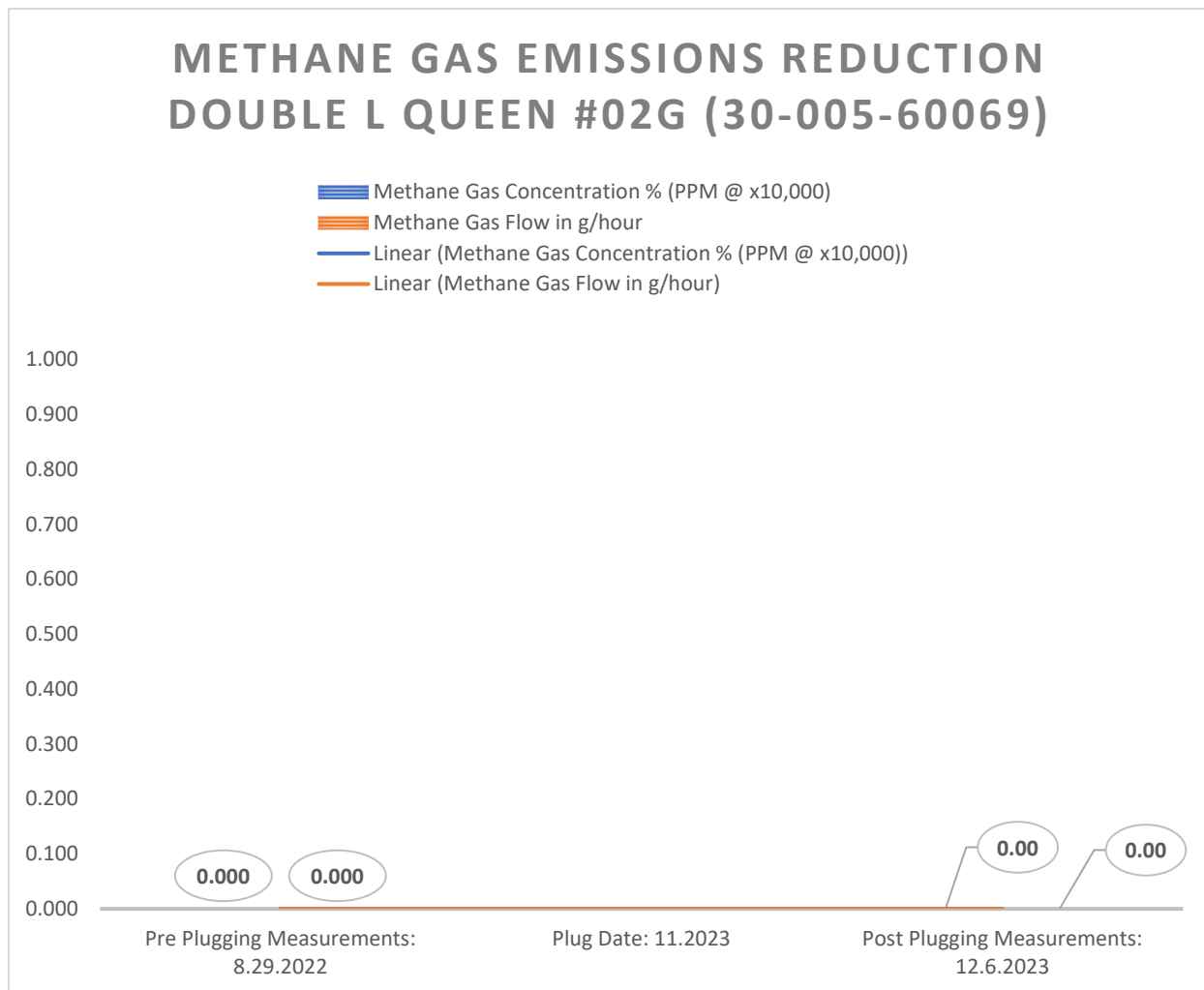
FROM: Curtis Shuck, WDNM

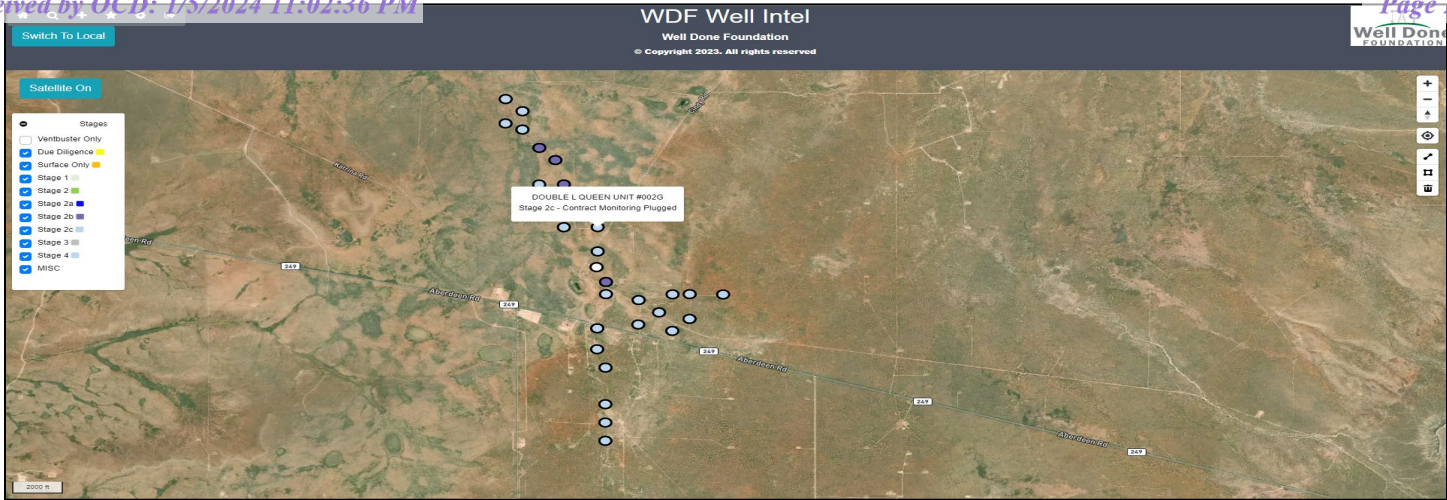
DATE: December 31, 2023

RE: Double L Queen #02G (30-005-60069) 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 #02G (30-005-60093) on December 6, 2023. The following are the conclusions:





LABORATORY SERVICES 575.397.3713 www.pertroleum.com 2005 W. Mainland, Houston, TX 77058

C6+ Gas Analysis Report

Sample Point Code: 19568G Sample Point Name: DOUBLE L QUEEN #02G POST PLUG Sample Point Location: DOUBLE L QUEEN #02G POST PLUG

Laboratory Services: 2023081391 BAG CES - Spot

Source Laboratory: USA Lab File No: USA Container Identity: USA District: USA Area Name: USA Field Name: New Mexico Facility Name:

Date Sampled: Dec 6, 2023 16:01 Date Effective: Dec 1, 2023 Date Received: Dec 18, 2023 11:38 Date Reported: Dec 20, 2023

System Administrator: Analyst: Press PSI @ Temp °F Source Conditions:

Well Done Foundation Operator: NG Lab Source Description:

Component	Normalized Mol %	Un-Normalized Mol %	GPM
H2S (H2S)	0.0000	0	
Nitrogen (N2)	99.0670	99.067	
CO2 (CO2)	0.1070	0.107	
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+)	0.8260	0.826	0.3580
TOTAL	100.0000	100.0000	0.3580

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

Source: Dustin Armstrong Date: Dec 20, 2023 4:16 pm Notes: Methane = 0 ppm

Gross Heating Values (Real, BTU/lb): 14.696 PSI @ 60.00 °F Dry 42.5 Saturated 42.7 14.73 PSI @ 60.00 °F Dry 42.6 Saturated 42.8

Calculated Total Sample Properties: Relative Density Real: 0.9864 Relative Density Ideal: 0.9864 Molecular Weight: 28.5689

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

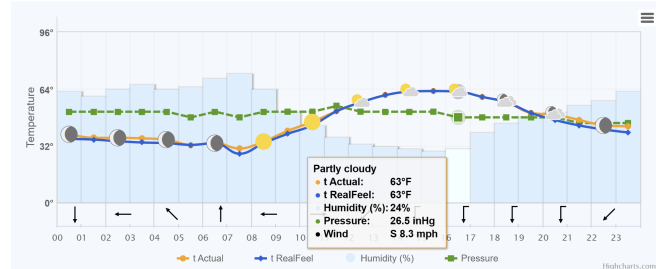
VALIDATOR: Dustin Armstrong

VALIDATOR COMMENTS: OK

December 06, 2023

	Atmospheric conditions and temperature °F	RealFeel °F	Atmospheric pressure inHg	Wind speed mph	Humidity
Night	+36°	+36°	26.6	SW 2.7	47%
Morning	+30°	+27°	26.5	NW 3.8	57%
Day	+61°	+61°	26.6	S 8.1	25%
Evening	+50°	+50°	26.5	S 4.3	38%

Hourly forecast for 06.12.2023





19568G

DOUBLE L QUEEN #02G POST PLUG

DOUBLE L QUEEN #02G POST

Sample Point Code

Sample Point Name

Sample Point Location PLUG

Laboratory Services

2023081391

BAG

CES - Spot

Source Laboratory

Lab File No

Container Identity

Sampler

USA

USA

USA

New Mexico

District

Area Name

Field Name

Facility Name

Dec 6, 2023 16:01

Dec 1, 2023

Dec 18, 2023 11:38

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)	99.0670	99.067	
CO2 (CO2)	0.1070	0.107	
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+)	0.8260	0.826	0.3580
TOTAL	100.0000	100.0000	0.3580

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
42.5	42.7	42.6	42.8

Calculated Total Sample Properties

GPA2145-16 *Calculated at Contract Conditions

Relative Density Real

Relative Density Ideal

0.9864

0.9864

Molecular Weight

28.5689

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 4:16 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 300534

DEFINITIONS

Operator: CANYON E & P COMPANY 251 O'Connor Ridge Blvd. Irving, TX 75038	OGRID: 269864
	Action Number: 300534
	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.

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 300534

QUESTIONS

Operator: CANYON E & P COMPANY 251 O'Connor Ridge Blvd. Irving, TX 75038	OGRID: 269864
	Action Number: 300534
	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	[30-005-60069] DOUBLE L QUEEN UNIT #002G
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	12/06/2023
Latitude	33.0614128
Longitude	-103.975174

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)	10.0
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