



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

(406) 460-0903

TO: Jim Griswold, OCD

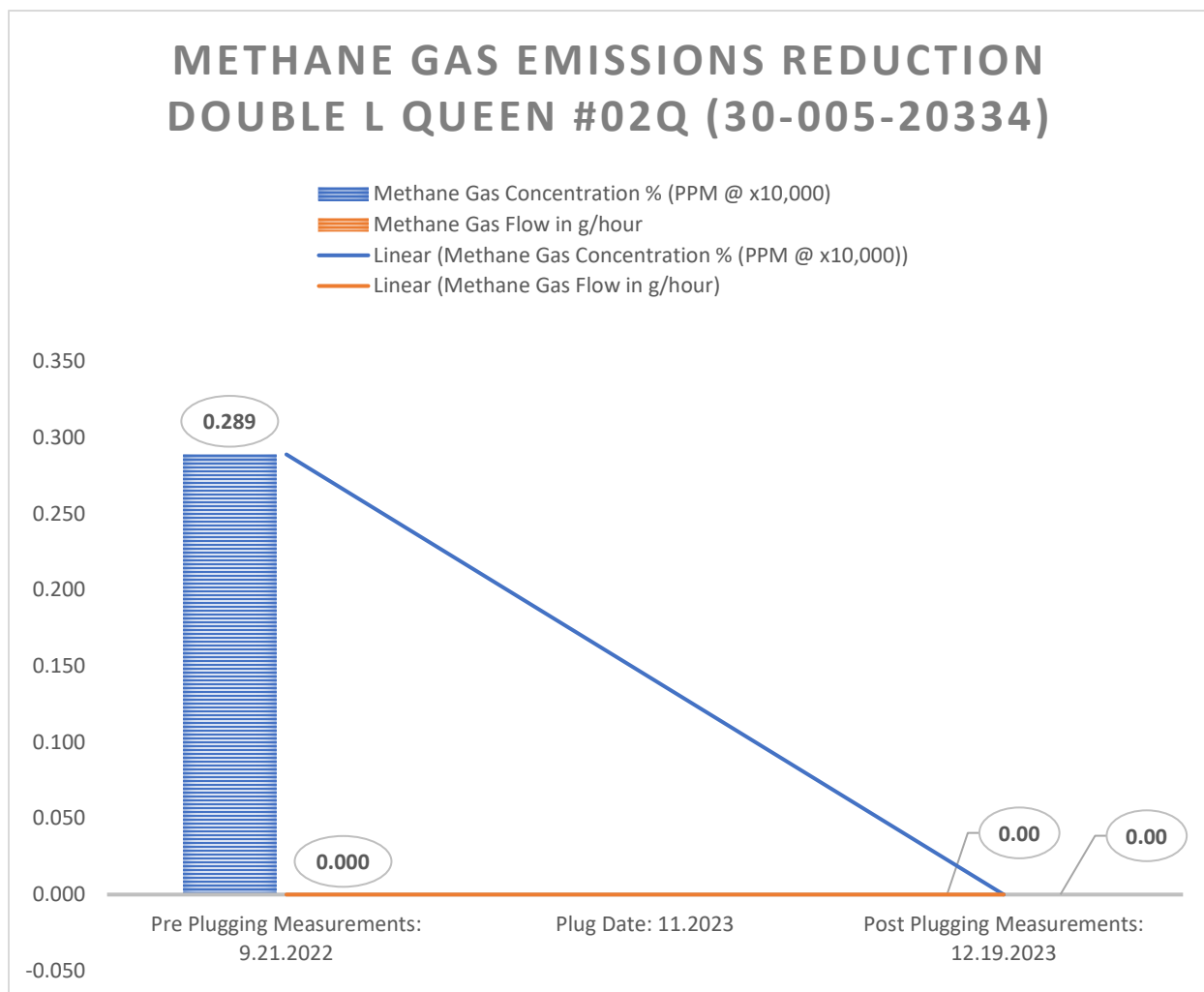
FROM: Curtis Shuck, WDNM

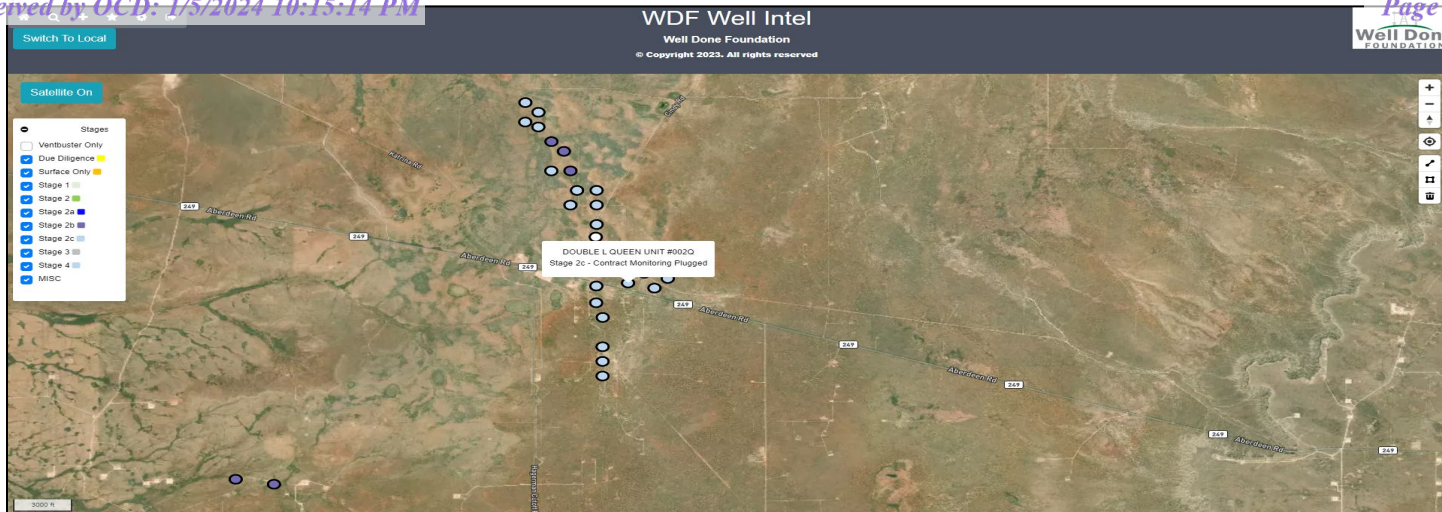
DATE: December 31, 2023

RE: Double L Queen #02Q (30-005-20334) 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 #02Q (30-005-20334) on December 19, 2023. The following are the conclusions:





LABORATORY SERVICES
www.pertroleum.com
535.587.3713 2009 W Mainland Houston, TX 77058

C6+ Gas Analysis Report

19614G Sample Point Code
DLO 2Q POST PLUG Sample Point Name
DLO 2Q POST PLUG Sample Point Location

Laboratory Services 2023081623 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 11:07 Dec 1, 2023 Dec 20, 2023 09:23 Dec 20, 2023
Date Sampled Date Effective Date Received Date Reported
Ambient Temp (°F) Flow Rate (Mcf) Admin 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)	97.5550	97.55466	
CO2 (CO2)	0.0570	0.05739	
Methane (C1)	0.0000	0	
Ethane (C2)	0.0000	0	0.0000
Propane (C3)	0.0170	0.01667	0.0050
i-Butane (iC4)	0.0000	0	0.0000
n-Butane (nC4)	0.0320	0.03213	0.0100
i-Pentane (iC5)	0.0580	0.05813	0.0210
n-Pentane (nC5)	0.1360	0.13644	0.0570
Hexanes Plus (C6+)	2.1250	2.12456	0.9220
TOTAL	100.0000	100.0000	1.0150

Gross Heating Values (Real, BTU/R³)
14,696 PSI @ 60.00 A°F 14,773 PSI @ 60.00 A°F
Dry Saturated Dry Saturated
119.4 118.3 119.7 118.6

Calculated Total Sample Properties
GPA2145-16 *Calculated at Contract Conditions
Relative Density Real 1.0193 Relative Density Ideal 1.0191
Holecular Weight 29.5143

C6+ Group Properties
Assumed Composition
C6 - 60.0000% C7 - 30.0000% C8 - 10.0000%

Field H2S 0 PPM

PROTEND STATUS:
Passed By Validator on Dec 20, 2023
First sample taken @ this point, composition looks reasonable

VALIDATOR:
Dustin Armstrong

VALIDATOR COMMENTS:
OK

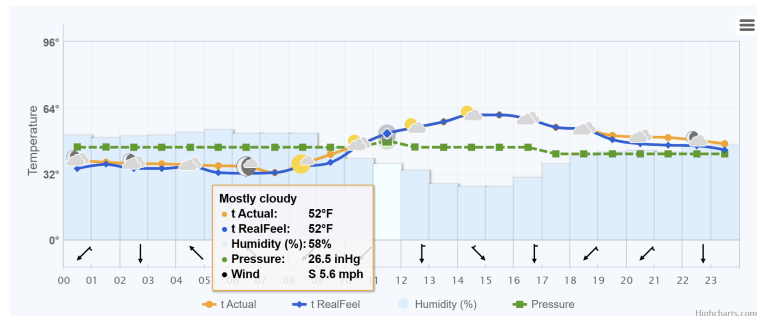
Analyzer Information
Device Type: Gas Chromatograph Device Make: Shimadzu
Device Model: GC-2014 Last Cal Date: Dec 18, 2023

Source Date Notes
Dustin Armstrong Dec 20, 2023 4:24 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





19614G	DLQ 2Q POST PLUG	DLQ 2Q POST PLUG	
Sample Point Code	Sample Point Name	Sample Point Location	
Laboratory Services	2023081623	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 11:07	Dec 1, 2023	Dec 20, 2023 09:23	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)	97.5550	97.55468	
CO2 (CO2)	0.0570	0.05739	
Methane (C1)	0.0000	0	
Ethane (C2)	0.0000	0	0.0000
Propane (C3)	0.0170	0.01667	0.0050
I-Butane (IC4)	0.0000	0	0.0000
N-Butane (NC4)	0.0320	0.03213	0.0100
I-Pentane (IC5)	0.0580	0.05813	0.0210
N-Pentane (NC5)	0.1560	0.15644	0.0570
Hexanes Plus (C6+)	2.1250	2.12456	0.9220
TOTAL	100.0000	100.0000	1.0150

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
119.4	118.3	119.7	118.6

Calculated Total Sample Properties	
GPA2145-16 *Calculated at Contract Conditions	
Relative Density Real	Relative Density Ideal
1.0193	1.0191
Molecular Weight	
29.5143	

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 4:24 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 300525

DEFINITIONS

Operator: CANYON E & P COMPANY 251 O'Connor Ridge Blvd. Irving, TX 75038	OGRID: 269864
	Action Number: 300525
	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 300525

QUESTIONS

Operator: CANYON E & P COMPANY 251 O'Connor Ridge Blvd. Irving, TX 75038	OGRID: 269864
	Action Number: 300525
	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	[30-005-20334] DOUBLE L QUEEN UNIT #002Q
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	33.04698
Longitude	-103.96996

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)	13.8
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
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