



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

(406) 460-0903

TO: Jim Griswold, OCD

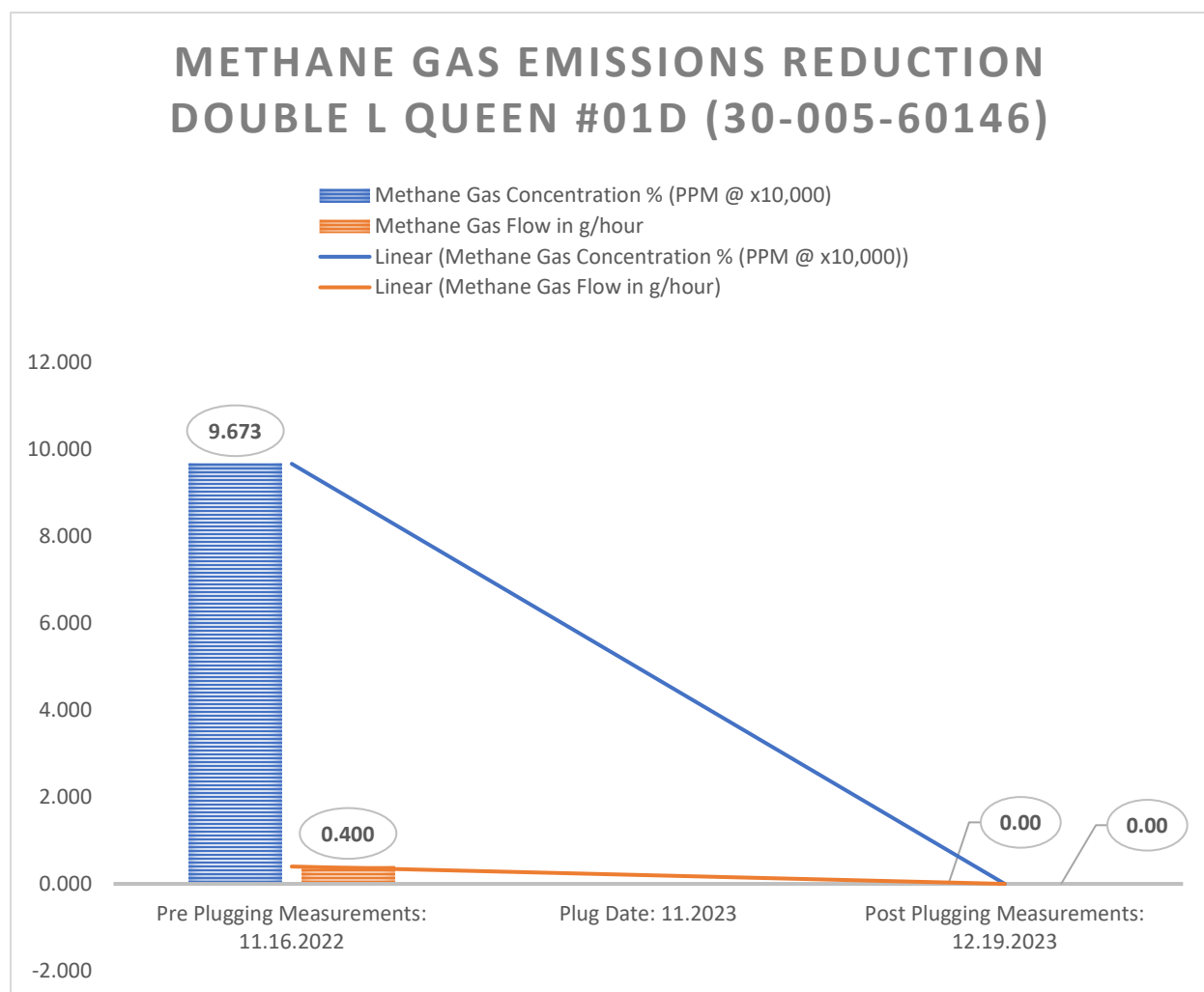
FROM: Curtis Shuck, WDNM

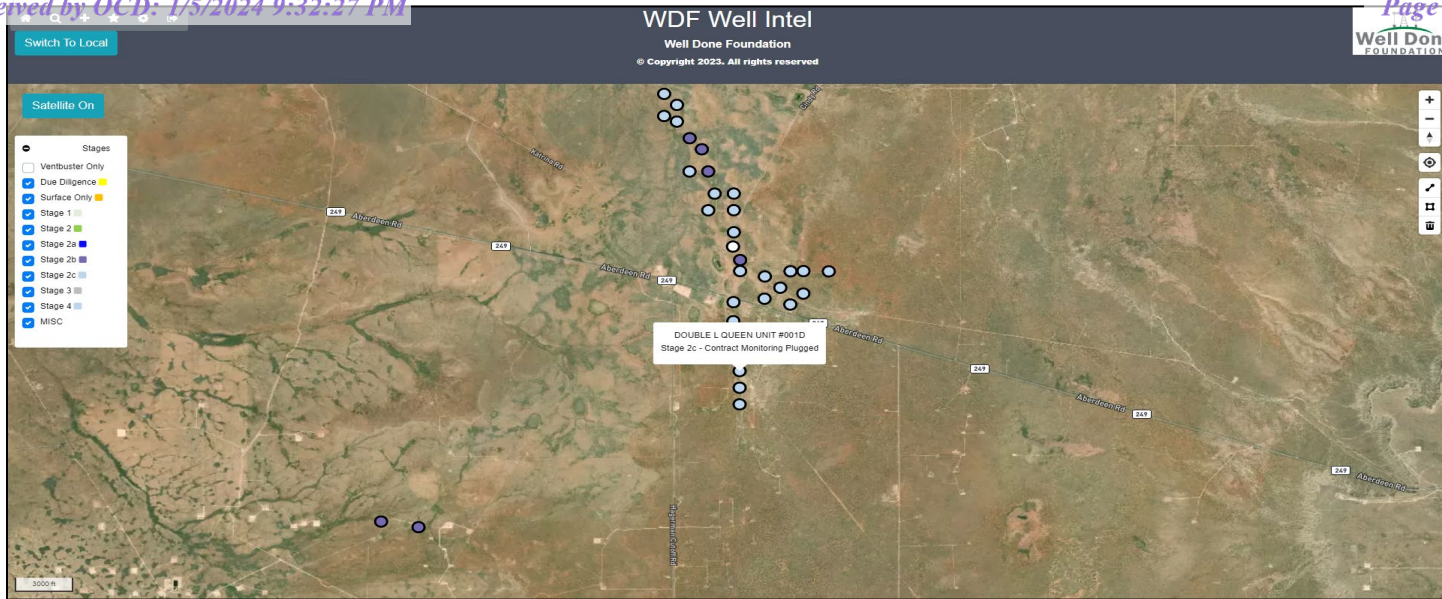
DATE: December 31, 2023

RE: Double L Queen #01D (30-005-60146) 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 #01D (30-005-60146) on December 19, 2023. The following are the conclusions:

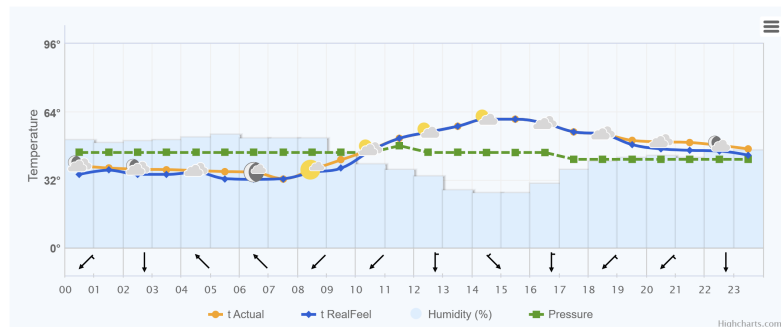




December 19, 2023

	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



19604G				DLQ 1D POST PLUG				DLQ 1D POST PLUG			
Sample Point Code				Sample Point Name				Sample Point Location			
Laboratory Services				2023081613				BAG			
Source Laboratory				Lab File No				Container Identity			
USA				USA				New Mexico			
District				Area Name				Field Name			
Dec 19, 2023 10:04				Dec 1, 2023				Dec 20, 2023 08:44			
Date Sampled				Date Effective				Date Reported			
Ambient Temp (°F)				Flow Rate (Mc)				Press PSI @ Temp °F			
System Administrator				Analyst				Source Conditions			
Well Done Foundation				NG				Lab Source Description			
Operator				Lab Source Description							
Component				Normalized Mol %				Un-Normalized Mol %			
H2S (H2S)				0.0000				0			
Nitrogen (N2)				96.6960				96.697			
CO2 (CO2)				0.5380				0.538			
Methane (C1)				0.0000				0			
Ethane (C2)				0.5040				0.504			
Propane (C3)				0.4270				0.427			
i-Butane (iC4)				0.0860				0.086			
n-Butane (nC4)				0.3030				0.303			
i-Pentane (iC5)				0.1560				0.156			
n-Pentane (nC5)				0.2150				0.215			
Hexanes Plus (C6+)				1.0750				1.075			
TOTAL				100.0000				100.0010			
Gross Heating Values (Real, BTU/lb)				14.005 PSI @ 60.00 inHg				14.77 PSI @ 60.00 inHg			
Dry				Saturated				Dry			
102.7				101.8				102.9			
Calculated Total Sample Properties				GPA245-16 Calculated at Contract Conditions				Relative Density Ideal			
Relative Density Real				1.0069				1.0068			
Molecular Weight				29.1600							
C6+ Group Properties				Assumed Composition							
C6 - 60.000%				C7 - 30.000%				C8 - 10.000%			
Field H2S				0 PPM							
PROVEN STATUS:				DATA SOURCE:							
Passed By Validator on Dec 20, 2023				Imported							
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: Shimadzu			
Device Model: GC-2014				Last Cal Date: Dec 18, 2023							
Source				Date				Notes			
Dustin Armstrong				Dec 20, 2023 4:20 pm				Methane = 0 ppm			



19604G	DLQ 1D POST PLUG	DLQ 1D POST PLUG	
Sample Point Code	Sample Point Name	Sample Point Location	
Laboratory Services	2023081613	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 10:04	Dec 1, 2023	Dec 20, 2023 08:44	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)	96.6960	96.697	
CO2 (CO2)	0.5380	0.538	
Methane (C1)	0.0000	0	
Ethane (C2)	0.5040	0.504	0.1350
Propane (C3)	0.4270	0.427	0.1180
I-Butane (IC4)	0.0860	0.086	0.0280
N-Butane (NC4)	0.3030	0.303	0.0960
I-Pentane (IC5)	0.1560	0.156	0.0570
N-Pentane (NC5)	0.2150	0.215	0.0780
Hexanes Plus (C6+)	1.0750	1.075	0.4660
TOTAL	100.0000	100.0010	0.9780

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/ft ³)			
14.696 PSI @ 60.00 Å°F	14.73 PSI @ 60.00 Å°F		
Dry	Saturated	Dry	Saturated
102.7	101.8	102.9	102.000

Calculated Total Sample Properties	
GPA2145-16 *Calculated at Contract Conditions	
Relative Density Real	Relative Density Ideal
1.0069	1.0068
Molecular Weight	
29.1600	

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 4:20 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 300520

DEFINITIONS

Operator: CANYON E & P COMPANY 251 O'Connor Ridge Blvd. Irving, TX 75038	OGRID: 269864
	Action Number: 300520
	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 300520

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Operator: CANYON E & P COMPANY 251 O'Connor Ridge Blvd. Irving, TX 75038	OGRID: 269864
	Action Number: 300520
	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	[30-005-60146] DOUBLE L QUEEN UNIT #001D
Well Status	Reclamation Fund Approved

Monitoring Event Information	
<i>Please answer all the questions in this group.</i>	
Reason For Filing	Post-Plug Methane Monitoring
Date of monitoring	12/19/2023
Latitude	33.03502
Longitude	-103.97419

Monitoring Event Details	
<i>Please answer all the questions in this group.</i>	
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	
<i>Please answer all the questions in this group.</i>	
Name of monitoring contractor	Well Done New Mexico LLC