Received by OCD: 1/6/2024 9:04:36 AM

Well Done NEW MEXICO LLC™

333 Main Street Shelby, Montana 59474 / P.O. Box 10640 Bozeman, MT 59179 (406) 460-0903

TO: Jim Griswold, OCD

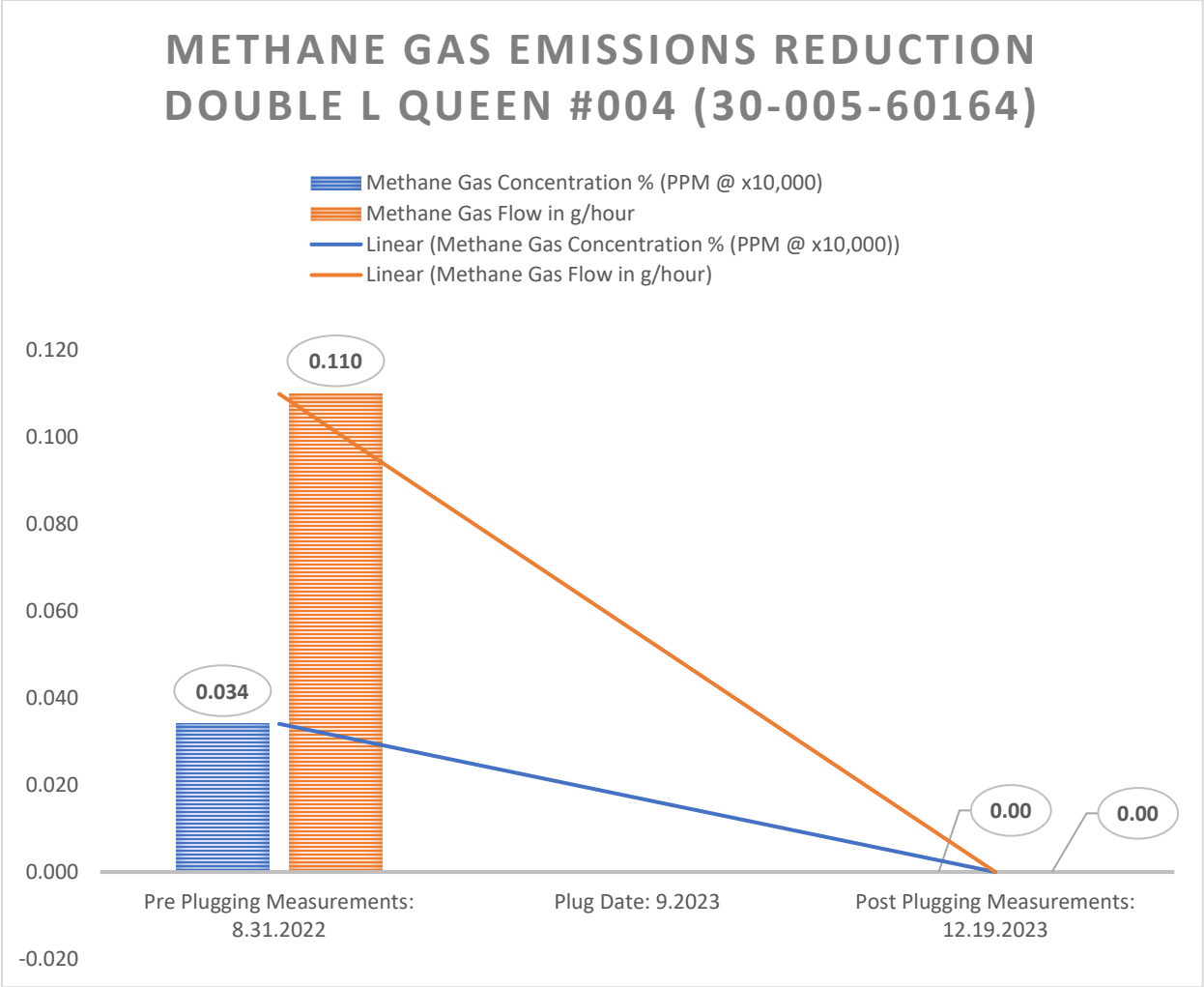
FROM: Curtis Shuck, WDNM

DATE: December 31, 3023

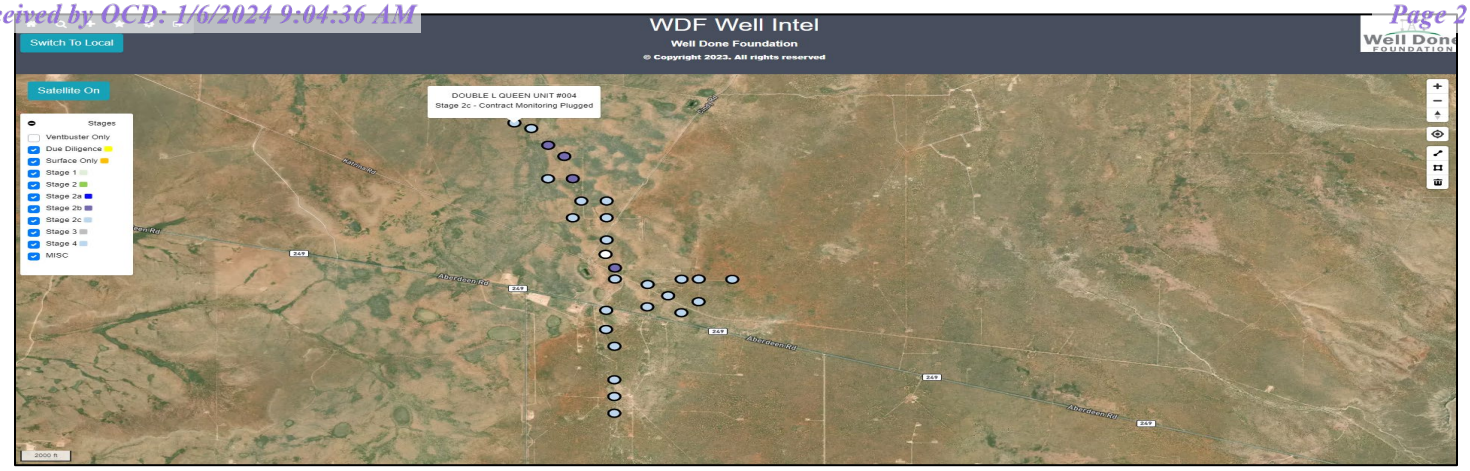
RE: Double L Queen #004 (30-005-60164) Post Plugging Methane Emission Reduction Report

MEMORANDUM

Well Done New Mexico LLC performed Post Plugging Orphan Well Methane Emission Testing, Gas Sampling & Analysis on the Double L Queen #004 (30-005-60164) on December 19, 2023. The following are the conclusions:



Released to Imaging: 1/6/2024 9:07:59 AM



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

C6+ Gas Analysis Report

19601G	DLQ 004 POST PLUG	DLQ 004 POST PLUG
Sample Point Code	Sample Point Name	Sample Point Location

Laboratory Services	2023081610	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 12:25	Dec 1, 2023	Dec 20, 2023 08:37	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)	99.2590	99.25948	
CO2 (CO2)	0.0000	0	
Methane (C1)	0.0000	0	
Ethane (C2)	0.2820	0.28167	0.0750
Propane (C3)	0.3770	0.3765	0.1040
I-Butane (IC4)	0.0820	0.08235	0.0270
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+)	0.0000	0	0.0000
TOTAL	100.0000	100.0000	0.2060

Method(s): Gas C6+ - GPA 2261, Extended Gas - GPA 2286, Calculations - GPA 2172

Gross Heating Values (Real, BTU/ft³)

14.696 PSI @ 60.00 Â°F		14.73 PSI @ 60.00 Â°F	
Dry	Saturated	Dry	Saturated
17.2	17.8	17.2	17.8

Calculated Total Sample Properties
GPA2145-16 *Calculated at Contract Conditions

Relative Density Real	Relative Density Ideal	Molecular Weight
0.9701	0.9702	28.1045

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

Analyzer Information

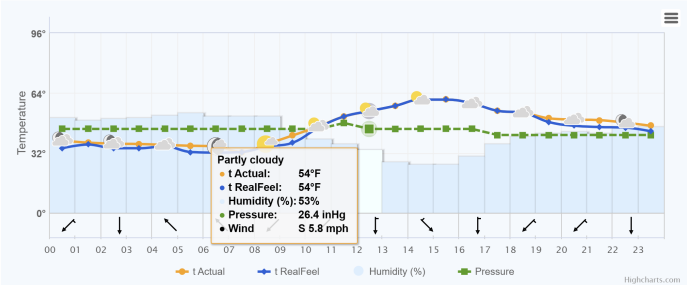
Device Type:	Gas Chromatograph	Device Make:	Shimadzu
Device Model:	GC-2014	Last Cal Date:	Dec 18, 2023

Source	Date	Notes
Dustin Armstrong	Dec 20, 2023 4:19 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



LABORATORY SERVICES Natural Gas Analysis
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C6+ Gas Analysis Report

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19601G	DLQ 004 POST PLUG	DLQ 004 POST PLUG

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GPA2145-16 *Calculated at Contract Conditions

Relative Density Real	Relative Density Ideal
0.9701	0.9702

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C6+ Group Properties

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Device Model:	GC-2014	Last Cal Date:	Dec 18, 2023

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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

Operator: CANYON E & P COMPANY 251 O'Connor Ridge Blvd. Irving, TX 75038	OGRID: 269864
	Action Number: 300573
	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 300573

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	Action Number: 300573
	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	**[30-005-60164] DOUBLE L QUEEN UNIT #004**
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	33.0768166
Longitude	-103.9869003

Monitoring Event Details *Please answer all the questions in this group.*	
Flow rate in cubic meters per day (m^3/day)	0.00
Test duration in hours (hr)	1.0
Average flow temperature in degrees Celsius (°C)	13.3
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