



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

(406) 460-0903

TO: Jim Griswold, OCD

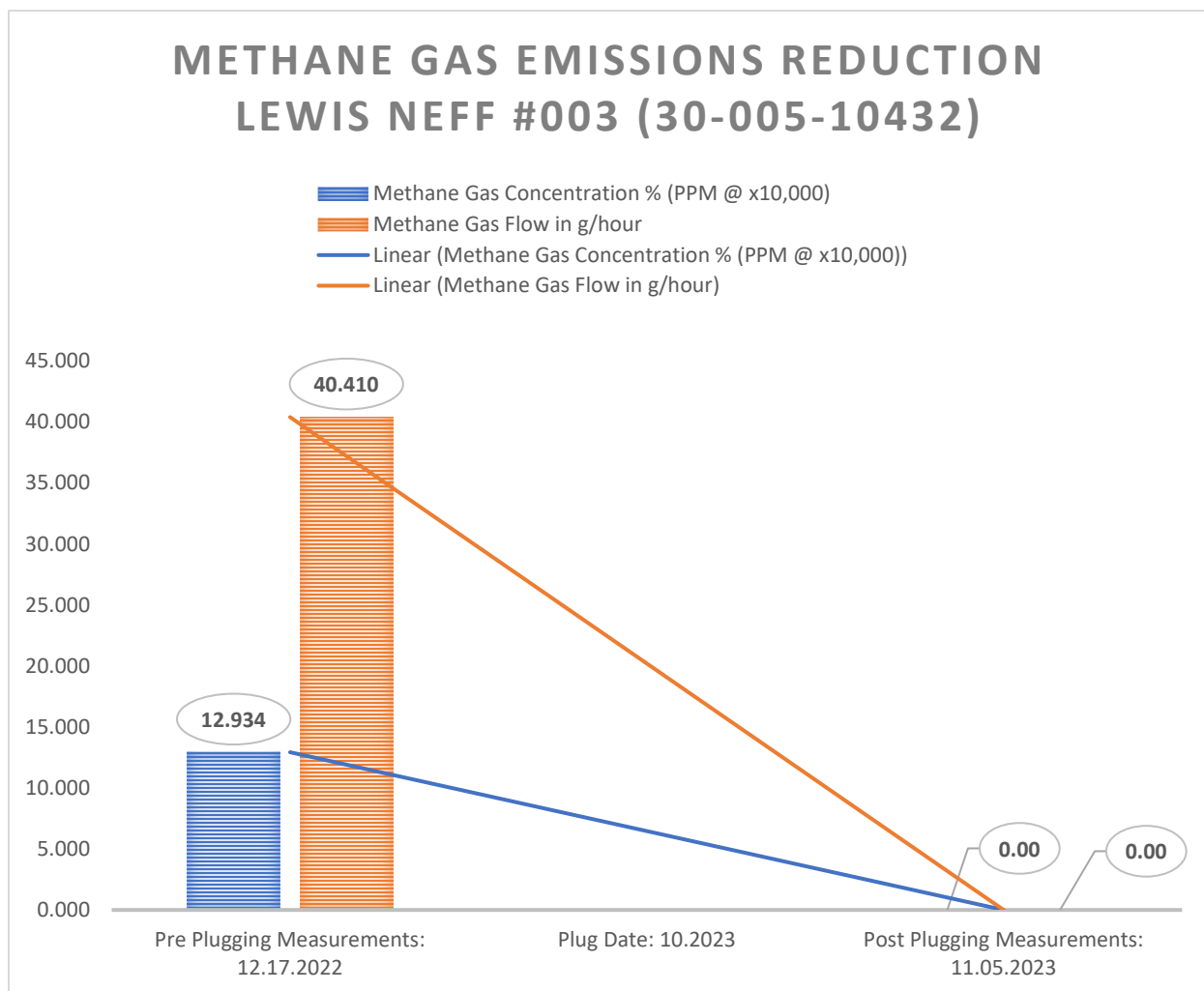
FROM: Curtis Shuck, WDNM

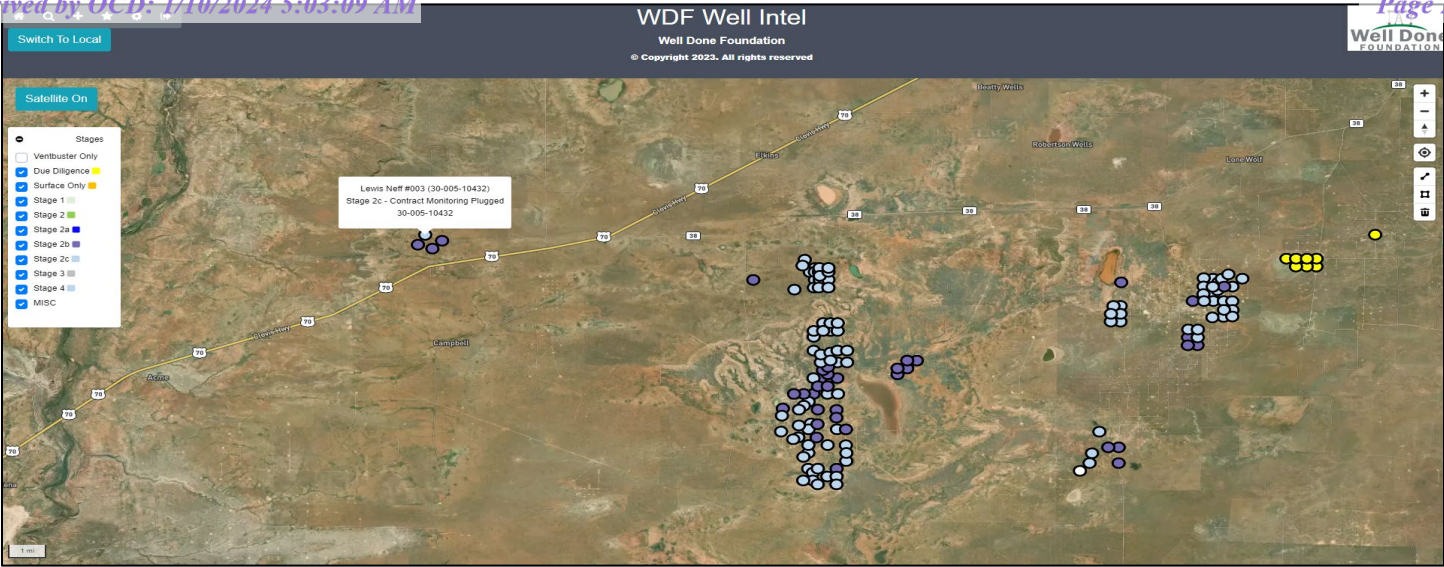
DATE: December 31, 2023

RE: Lewis Neff #003 (30-005-10432) Post Plugging Methane Emission Reduction Report

MEMORANDUM

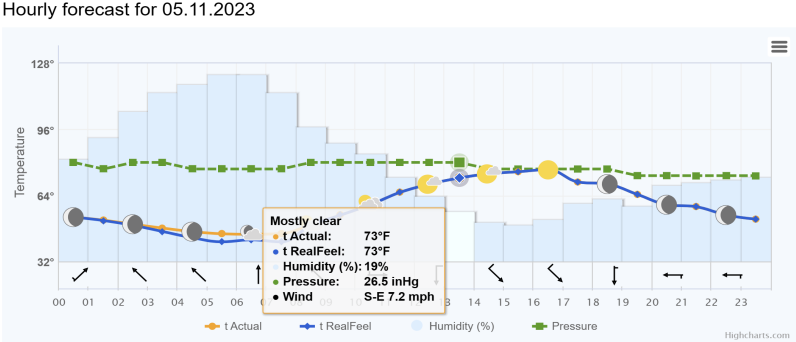
Well Done New Mexico LLC performed Post Plugging Orphan Well Methane Emission Testing, Gas Sampling & Analysis on the Lewis Neff #003 (30-005-10432) on November 5, 2023. The following are the conclusions:





LABORATORY SERVICES				C6+ Gas Analysis Report	
19056G				Lewis Neff 003 POST PLUG	Lewis Neff 003
Sample Point Code		Sample Point Name		Sample Point Location	
Laboratory Services		2023078660		NA	CES - Spot
Source Laboratory		Lab File No		Container Identity	
USA		USA		USA	
District		Area Name		Field Name	
Nov 5, 2023 17:00		Nov 5, 2023 13:00		Nov 6, 2023 10:43	
Date Sampled		Date Effective		Date Received	
Ambient Temp (°F)		Flow Rate (Mcf)		System Administrator	
Well Done Foundation		Operator		NG	
Component		Normalized Mol %		Un-Normalized Mol %	
H2S (H2S)		0.0000		0	
Nitrogen (N2)		99.9190		99.918	
CO2 (CO2)		0.0400		0.04	
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+)		0.0410		0.041	
TOTAL		100.0000		99.9990	
Gross Heating Values (Real, BTU/lb)		14,696 PSI @ 60.00 A/P		14,73 PSI @ 60.00 A/P	
Dry		Saturated		Dry	
2.1		2.9		2.1	
Calculated Total Sample Properties		GPA245-16 *Calculated at Contract Conditions		Relative Density Total	
Relative Density Total		0.9682		Relative Density Total	
Molecular Weight		28.0465		C6+ Group Properties	
Assumed Composition		C6 - 60.000%		C7 - 30.000%	
Field H2S		0 PPM		C8 - 10.000%	
PROTEND STATUS:		Passed By Validator on Nov 22, 2023		DATA SOURCE:	
PASSED BY VALIDATOR REASON:		Close enough to be considered reasonable.		Validator:	
Device Type:		Gas Chromatograph		Ashley Russell	
Device Model:		GC-2014		VALIDATOR COMMENTS:	
Last Cal Date:		Nov 20, 2023		OK	

	Atmospheric conditions and temperature °F	RealFeel °F	Atmospheric pressure inHg	Wind speed mph	Humidity
Night	+52°	+52°	26.4	▼ N 6.3	47%
Morning	+45°	+41°	26.4	▲ NW 4.3	64%
Day	+73°	+73°	26.5	▼ SE 7.2	19%
Evening	+64°	+64°	26.3	↗ SW 5.1	21%





19056G	Lewis Neff 003 POST PLUG	Lewis Neff 003	
Sample Point Code	Sample Point Name	Sample Point Location	
Laboratory Services	2023078660	NA	CES - Spot
Source Laboratory	Lab File No	Container Identity	Sampler
USA	USA	USA	New Mexico
District	Area Name	Field Name	Facility Name
Nov 5, 2023 17:00	Nov 5, 2023 13:00	Nov 6, 2023 10:43	Nov 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)	99.9190	99.918	
CO2 (CO2)	0.0400	0.04	
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+)	0.0410	0.041	0.0180
TOTAL	100.0000	99.9990	0.0180

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:	Nov 20, 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
2.1	2.9	2.1	2.9

Calculated Total Sample Properties	
GPA2145-16 *Calculated at Contract Conditions	
Relative Density Real	Relative Density Ideal
0.9682	0.9683
Molecular Weight	
28.0465	

C6+ Group Properties		
Assumed Composition		
C6 - 60.000%	C7 - 30.000%	C8 - 10.000%

Field H2S
0 PPM

PROTREND STATUS: Passed By Validator on Nov 22, 2023
DATA SOURCE: Imported

PASSED BY VALIDATOR REASON:
 Close enough to be considered reasonable.

VALIDATOR:
 Ashley Russell

VALIDATOR COMMENTS:
 OK

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 301891

DEFINITIONS

Operator: ROGER SLAYTON DBA ESCUDILLA OIL COMPANY P.O. Box 687 Roswell, NM 88202	OGRID: 228270
	Action Number: 301891
	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 301891

QUESTIONS

Operator: ROGER SLAYTON DBA ESCUDILLA OIL COMPANY P.O. Box 687 Roswell, NM 88202	OGRID: 228270
	Action Number: 301891
	Action Type: [UF-OMA] Post-Plug Methane Monitoring (UF-OMA-MMB)

QUESTIONS

Prerequisites	
[OGRID] Well Operator	[228270] ROGER SLAYTON DBA ESCUDILLA OIL COMPANY
[API] Well Name and Number	[30-005-10432] LEWIS NEFF #003
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	11/05/2023
Latitude	33.65829
Longitude	-104.20829

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)	21.1
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
-------------------------------	--------------------------