

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

(406) 460-0903

TO: Jim Griswold, OCD

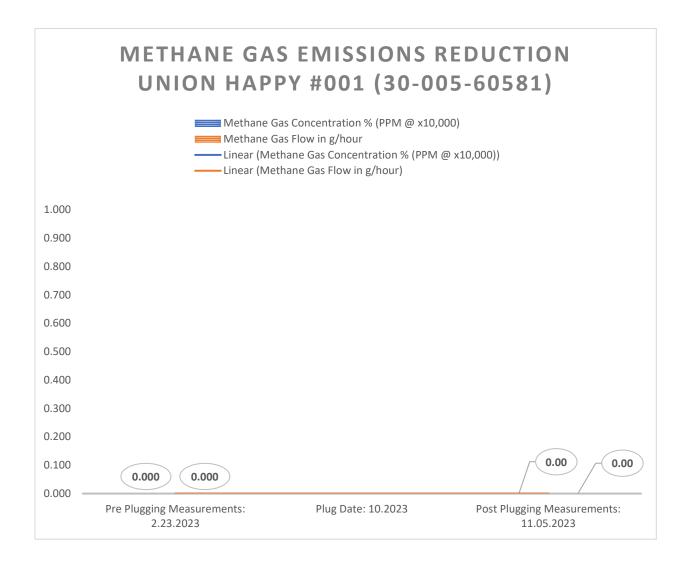
FROM: Curtis Shuck, WDNM

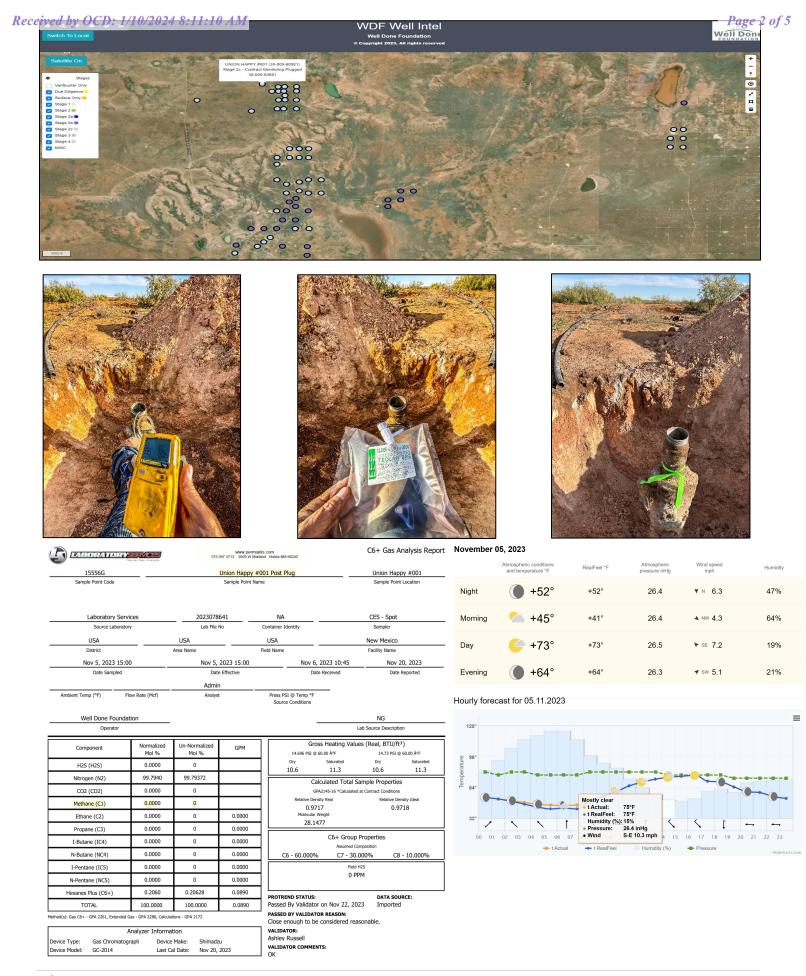
DATE: December 31, 3023

RE: Union Happy #001 (30-005-60581) 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 Union Happy #001 (30-005-60581) on November 5, 2023. The following are the conclusions:





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



15556G Union Happy #0			#001 Post Plu	01 Post Plug Union Happ		ppy #001		
Sample Point Code Sample Point Nam			ame			Sample Poi	nt Location	
Laboratory Services		2023078641		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 15:	00	Nov 5, 2023 15:00			Nov 6, 20		023 10:45 Nov 20, 2023	
Date Sampled		Date Effective			Date Received Date Report		e Reported	
		Admir	า					
Ambient Temp (°F)	Flow Rate (Mcf)	Analysi	t		@ Temp °F Conditions			
Well Done Found	ation						NG	
Operator						I	_ab Source Descrip	tion
Component	Normalized Mol %	Un-Normalized Mol %	GPM		Gro 14.696 PSI @	ss Heating Valu		t³) @ 60.00 â°F
H2S (H2S)	0.0000	0		1 1	Dry	Saturated	Dry	Saturated
Nitrogen (N2)	99.7940	99.79372		┑ ╞═╧	.0.6	11.3 Ilculated Total S	10.6	11.3
CO2 (CO2)	0.0000	0		기		PA2145-16 *Calculated		
Methane (C1)	0.0000	0		7	Relative Den			ensity Ideal
Ethane (C2)	0.0000	0	0.0000	7	Molecular	Weight	0.5	9718
Propane (C3)	0.0000	0	0.0000	1	28.14	177		
I-Butane (IC4)	0.0000	0	0.0000	1		C6+ Group	-	
N-Butane (NC4)	0.0000	0	0.0000	C6	- 60.000%	Assumed Co C7 - 30.	•	8 - 10.000%
I-Pentane (IC5)	0.0000	0	0.0000			Field		
N-Pentane (NC5)	0.0000	0	0.0000	1		0 PI	PM	
Hexanes Plus (C6+)	0.2060	0.20628	0.0890	PROTREM	ND STATUS:		DATA SO	IIBCE:
TOTAL	100.0000	100.0000	0.0890			r on Nov 22, 20		
Method(s): Gas C6+ - GPA 2261, Extended	d Gas - GPA 2286, Calcula	tions - GPA 2172				OR REASON:	conablo	
	Analyzer Informa	tion		VALIDAT	_	e considered rea	יאטוומטול.	
Device Type: Gas Chromato	-		ru	Ashley R				
Davice Model: GC-2014	· .	Date: Nov 20		VALIDAT	OR COMMEN	NTS:		

Device Model:

OK

GC-2014

Last Cal Date:

Nov 20, 2023

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

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 301952

DEFINITIONS

Operator:	OGRID:
CANYON E & P COMPANY	269864
251 O'Connor Ridge Blvd.	Action Number:
Irving, TX 75038	301952
	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 301952

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	[UF-OMA] Post-Plug Methane Monitoring (UF-OMA-MMB)

QUESTIONS

Prerequisites	
[OGRID] Well Operator	[269864] CANYON E & P COMPANY
[API] Well Name and Number	[30-005-60581] UNION HAPPY #001
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	33.64377	
Longitude	-104.03888	

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)	23.1
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