

**Emissions Monitoring Report
ECMC Orphaned Well Program**

Monitoring Site: M V Smith #30 (OWP)
API #: 05-103-05347
ECMC Location ID: 396867
Well Status: Post-Plugging
Lat: 40.076250 Long: -108.844390
NWNE Sec 9 T1N R102W 6th PM, Rio Blanco County, CO

Monitoring Result: NON-DETECT

Background:

Emissions monitoring was conducted at the M V Smith #30 (OWP). The well was drilled in 1962 and completed in the Mancos Commingled formation. Cottonwood conducted the pre-plugging emissions monitoring on December 17, 2024. The well was plugged and abandoned (P&A) in January 2024.

Methodology:

Cottonwood was on-site to conduct the post-plugging emissions monitoring on January 16, 2025.

Cottonwood utilized a GEM™5000 Landfill Gas Meter and FLIR Camera to determine if methane emissions were present at the wellhead, flowlines, and associated production equipment (if present). Cottonwood utilized a photoionization detector (PID) to determine onsite concentrations of volatile organic compounds (VOCs). Where emissions were detected, the GEM™5000 Landfill Gas Meter was utilized to determine the approximate percent (%) of methane and other gases contained in the emissions. Cottonwood also utilized the GEM™5000 Landfill Gas Meter and PID to determine background conditions.

Additionally, per the conditions of approval (COA) on the Form 6 – Well Abandonment Report, a 15-minute FLIR optical gas imaging test was completed at the P&A well. Result of the 15-minute FLIR optical gas imaging test did not detected any leaking gas.

Other observations, including auditory, visual, and olfactory observations were also noted. Observations regarding vegetation and general site conditions were recorded in a field notebook.

Results:

No methane emissions were detected from the M V Smith #30 (OWP) P&A wellhead.

A summary of the emissions monitoring is included on the following data sheet. Results of the emissions monitoring are shown on Figure 1 and photographic documentation of site conditions during the monitoring is included as Attachment 1.

Conclusion

Based on results of the emissions monitoring, no methane was detected from the M V Smith #30 (OWP) well.



**Emissions Monitoring Data Sheet
ECMC Orphaned Well Program**

Well Name: M V Smith #30 (OWP)
API #: 05-067-05347

Date: 1/16/2025
Monitoring Specialist: JL

Meteorological Conditions

Temperature: 25 °F
Barometric Pressure: 24.98 inHg
Relative Humidity: 56 %
Wind Speed and Direction: 0-5 mph SE

Monitoring Results

Background Conditions	Methane:	0.0	%
	Carbon Dioxide (CO2):	0.3	%
	Hydrogen Sulfide (H2S):	0.0	ppm
	Volatile Organic Compounds (VOCs):	0.0	ppm
P&A Wellhead	Methane:	0.0	%
	Carbon Dioxide (CO2):	0.3	%
	Hydrogen Sulfide (H2S):	0.0	ppm
	Volatile Organic Compounds (VOCs):	0.0	ppm

Equipment Used:

GEM 5000	FLIR Camera	PID



Notes:

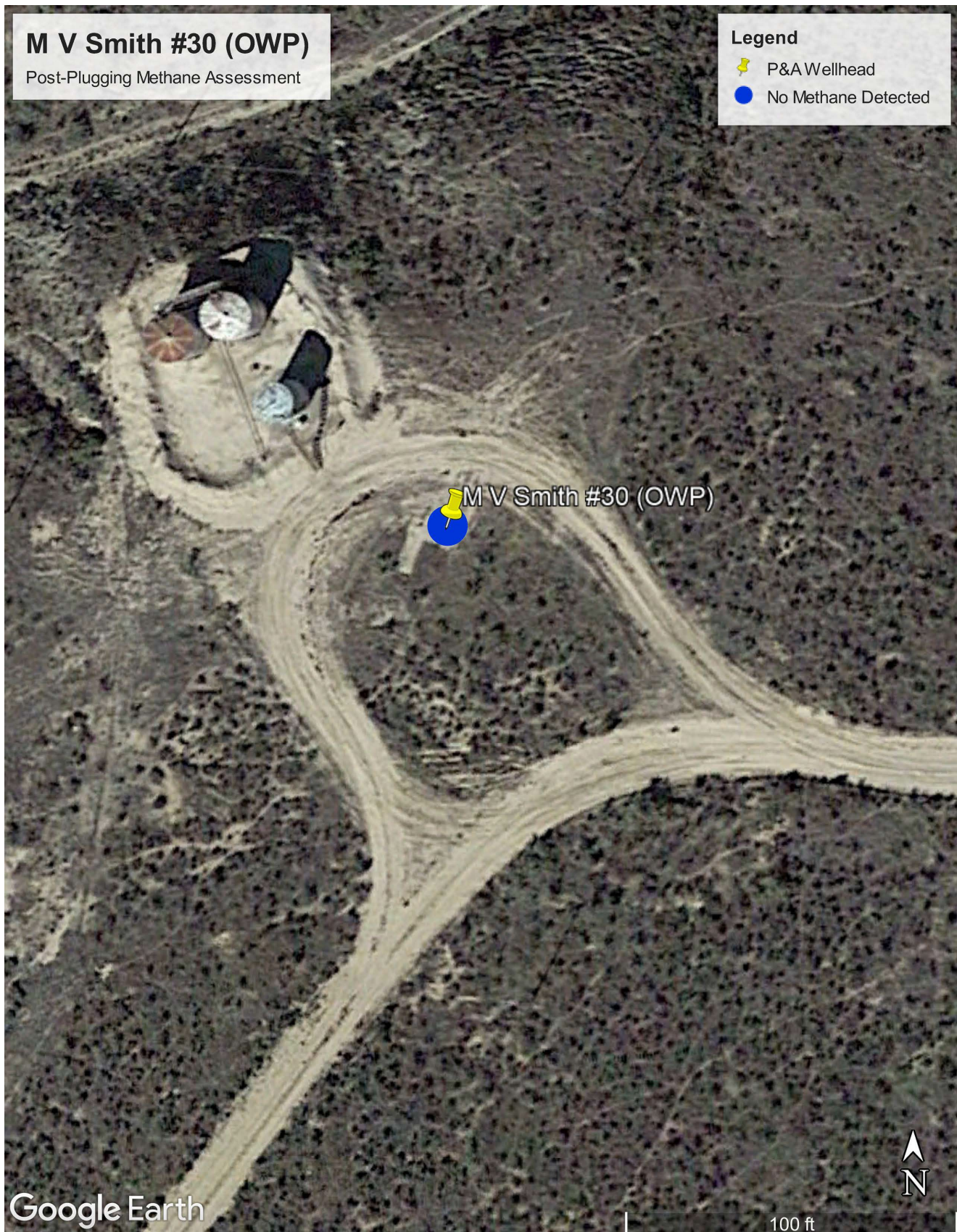
No methane was detected from the M V Smith #30 (OWP) P&A wellhead. No surface water was observed and vegetation was consistent with seasonal and surrounding conditions within the vicinity of the well pad.

M V Smith #30 (OWP)

Post-Plugging Methane Assessment

Legend

-  P&A Wellhead
-  No Methane Detected



Notes: Post-plugging methane assessment conducted 1/16/2025. No methane detected.



Mapping by: J. LaFortune
Date: 1/20/2025

Figure 1
M V Smith #30 (OWP) Map
Post-Plugging Methane Assessment
Colorado Energy & Carbon
Management Commission

M V Smith #30 (OWP)
Photographic Log
Colorado Energy & Carbon Management Commission



Photo 1: M V Smith #30 (OWP) P&A wellhead, no methane detected, view north, 1/16/2025.



Photo 2: M V Smith #30 (OWP) P&A wellhead, no methane detected, view east, 1/16/2025.

M V Smith #30 (OWP)
Photographic Log
Colorado Energy & Carbon Management Commission



Photo 3: M V Smith #30 (OWP) P&A wellhead, no methane detected, view south, 1/16/2025.



Photo 4: M V Smith #30 (OWP) P&A wellhead, no methane detected, view west, 1/16/2025.

M V Smith #30 (OWP)
Photographic Log
Colorado Energy & Carbon Management Commission



Photo 5: M V Smith #30 (OWP) P&A wellhead, no methane detected, view from above, 1/16/2025.