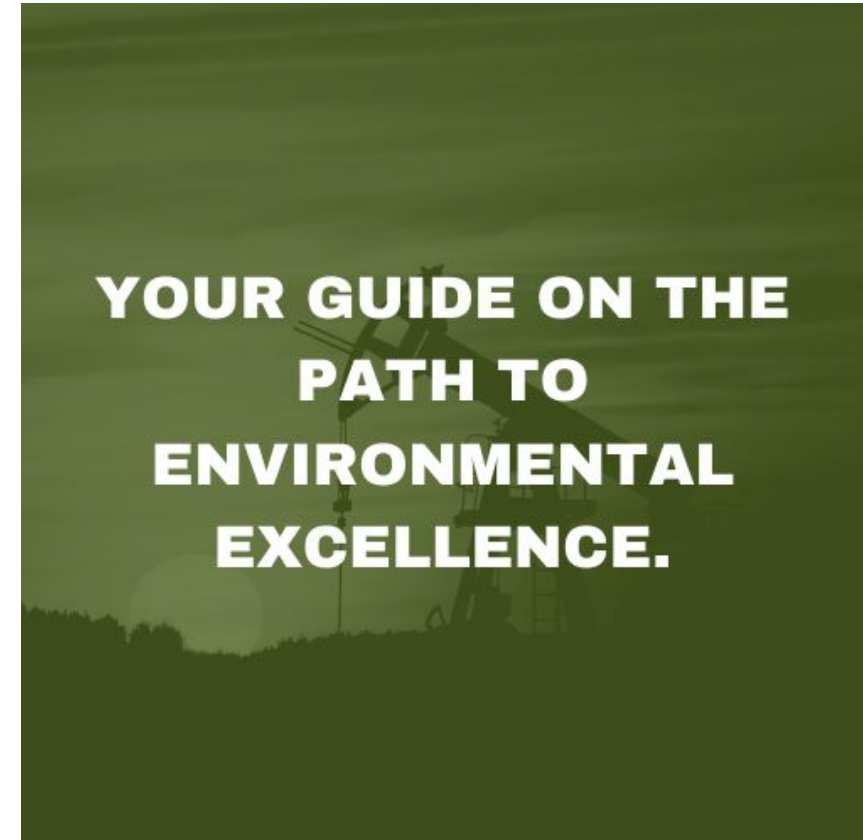




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# THE SITUATION

- The oil and gas industry is faced with an unprecedented number of new regulations, mandated emissions reductions, and increasingly difficult hurdles to new development.
- The challenges range from OOOOB implementation, IRA Waste Emissions Charge, Methane Fly-Overs, and Subpart W Reporting.
- How we help you navigate these challenges:
  - We have experience implementing these very programs on large scale.
  - We have the tools to augment your current programs.
  - We keep cost efficiency and new innovations at the forefront of our recommendations.



# WHO WE ARE

- Industry insiders with in-depth knowledge of regulations, compliance programs, and air quality engineering.
- Committed to delivering exceptional value. Sendero ESG is here to help you navigate the complexities of your operations with confidence and clarity.
- In an increasingly complicated regulatory landscape, precise environmental measurement and management are more critical than ever before.
- We understand that the future of so many industries—oil and gas, mining, and alternative energy—depends on balancing efficiency with stringent regulatory requirements. **Together, we can drive sustainable energy development.**



# WHAT WE DO



## ENVIRONMENTAL SERVICES

*Ensure Compliance. Achieve Excellence.*

Environmental due diligence, air permitting, compliance audits, compliance program cost analysis, OOOOB audits, LDAR audits, enforcement action technical support, EHS management system implementation and auditing, remediation management, and reclamation oversight.



## METHANE MEASUREMENT

*Understand Impact. Mitigate Emissions.*

Direct measurement services for orphan and marginal wells pre- and post-plugging, GIS-enabled documentation of well conditions, and surface casing blowdown emissions measurement using TDLS autonomous monitoring, fugitive emissions quantification surveys.



## CARBON ADVISORY SERVICES

*Assess Risks. Maximize Benefits.*

Guidance on carbon credit generation on decommissioning and reduction projects, cost-benefit analysis, and risk ranking to guide well-plugging efforts and develop plugging and reclamation estimates to support state bonding requirements.



## EMISSION REDUCTION & REPORTING

*Refine Planning. Report Progress.*

Subpart W evaluations, direct emission source quantification, OOOOB – top down/bottom up analysis, case studies, technology recommendations, and OGMP 2.0 and DOE MMRV program planning and implementation.





# METHANE MEASUREMENT SPOTLIGHT

- Sendero has developed a sampling and reporting methodology for direct methane emissions measurement.
- Our method is effective for emission factor development, LDAR improvements 0000B – lowering your WEC, orphan and marginal well measurements (carbon credits) and OGMP 2.0.
- **Direct measurements end the guesswork.**

Remote Methane Leak Detection monitor (RMLD-CS™)



SEMTECH Hi-Flow 2 Sampler™



Optical Gas Imaging Camera - Opgal EyeCGas Multi™



VentMEDIC is a cutting-edge **digital Measurement, Reporting, and Verification (dMRV) technology**. It goes beyond traditional methods, ensuring unparalleled accuracy and transparency in methane emissions quantification.

Enhance Efficiency through **Carbon Tax Incentive**



Gas Flow Measurement  
0.0002 - 250 SLPM



Pressure Range  
0-1500 PSI



Methane Concentration  
0-100% Vol.



Operating Temperature  
-40 C to 60 C




Communication Method  
USB Mass Storage, Bluetooth Low Energy,  
Cellular Modem



Hazardous Area Class  
Class I Div II



<b>SOP</b>		SenderoESG Wellsite/Facility Quantification Method – OGMP 2.0		
Owner: Environmental Review Cycle: Annual	Reviewed by: Date: 8/7/24 Eduardo Orozco	Approved by: Date: 8/10/24 David Stewart	Document Number: 002 Publication date: 8/11/24	



**Sendero ESG Solutions LLC**

**Standard Operating Procedures (SOP) for Wellsite/Facility Quantification of Methane Emissions – SenderoESG Method – OGMP 2.0 Optical Gas Imaging and Methane Quantification**





# THANK YOU.

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