

Garfield County

Oil & Gas Liaison Update

Kirby Wynn

Energy Advisory Board

October 6, 2016



Garfield County

Garfield County Energy Advisory Board In Print, Radio, and Internet Media

Garfield County Energy Advisory Board Invites You to a Community Program

PICEANCE BASIN MULE DEER ECOLOGY AND ENERGY DEVELOPMENT

When: Thursday, October 6, 2016

Beginning at 5:30 p.m., dinner and social time is provided for attendees.
Meeting will begin promptly at 6:00 p.m.

Where: NEW LOCATION: Garfield County Rifle Administration Building
195 W. 14th Street, Rifle, Colorado



**Chuck Anderson, Mammals Research Section Leader,
Colorado Parks and Wildlife**

Presentation description: The Piceance Basin supports one of the largest migratory mule deer populations in North America. Over the past 15 years, natural gas development has increased rapidly in this formerly undisturbed area. Mr. Anderson will present preliminary results from data collected to assess mule

deer population dynamics within natural gas development areas and discuss potential mitigation strategies.

The Energy Advisory Board is a monthly forum for the public, oil and gas industry, landowners and local government to engage in positive and proactive communication and actions that encourage responsible and balanced development of energy resources.



www.garfield-county.com/oil-gas

Energy Advisory Board Member

5:30 PM | Thursday Oct 6, 2016

GET INFO

PROMOTE EVENT



Garfield County Energy Advisory Board invites You to a Community Program, Thursday, October 6, 2016 beginning at 5:30 pm. Dinner and social time is provided for attendees. Meeting will begin promptly at 6:00 pm. PICEANCE BASIN MULE DEER ECOLOGY AND ENERGY DEVELOPMENT - Chuck Anderson, Mammals Research Section Leader, Colorado Parks and Wildlife will address the preliminary results from an ongoing Colorado Parks and Wildlife research study. The Piceance Basin supports one of the largest migratory mule deer populations in North America. Over the past 15 years, natural gas development has increased rapidly in this formerly undisturbed area. Mr. Anderson will present the preliminary results from data collected to assess mule deer population dynamics within natural gas development areas and discuss potential mitigation strategies.

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Garfield County Rifle Administration Building
195 W. 14th Street
Rifle, CO 81650
directions > street view >

Garfield County - Energy Advisory Board >

GET YOUR FREE EVENT LISTING

The screenshot shows the website for the Garfield County Oil & Gas Energy Advisory Board. The header includes the county name and navigation links. The main content area features a title, a description of the board meeting, and a list of resources. A speaker bio for Chuck Anderson is also visible.

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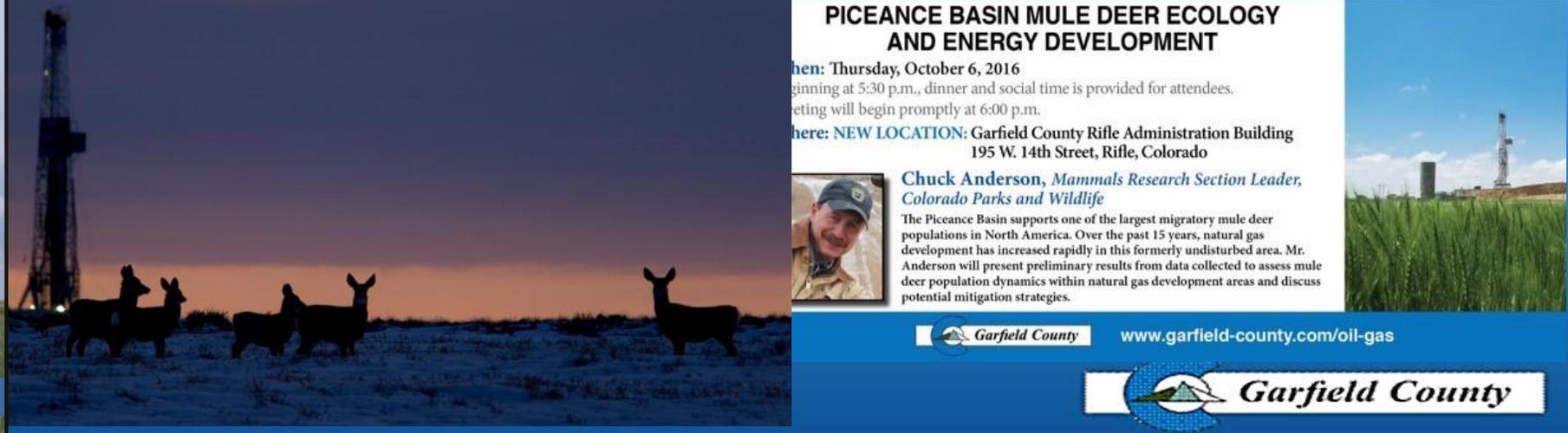
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www.garfield-county.com/oil-gas



Garfield County



Sign up to receive Energy Advisory Board and other Oil and Gas notices

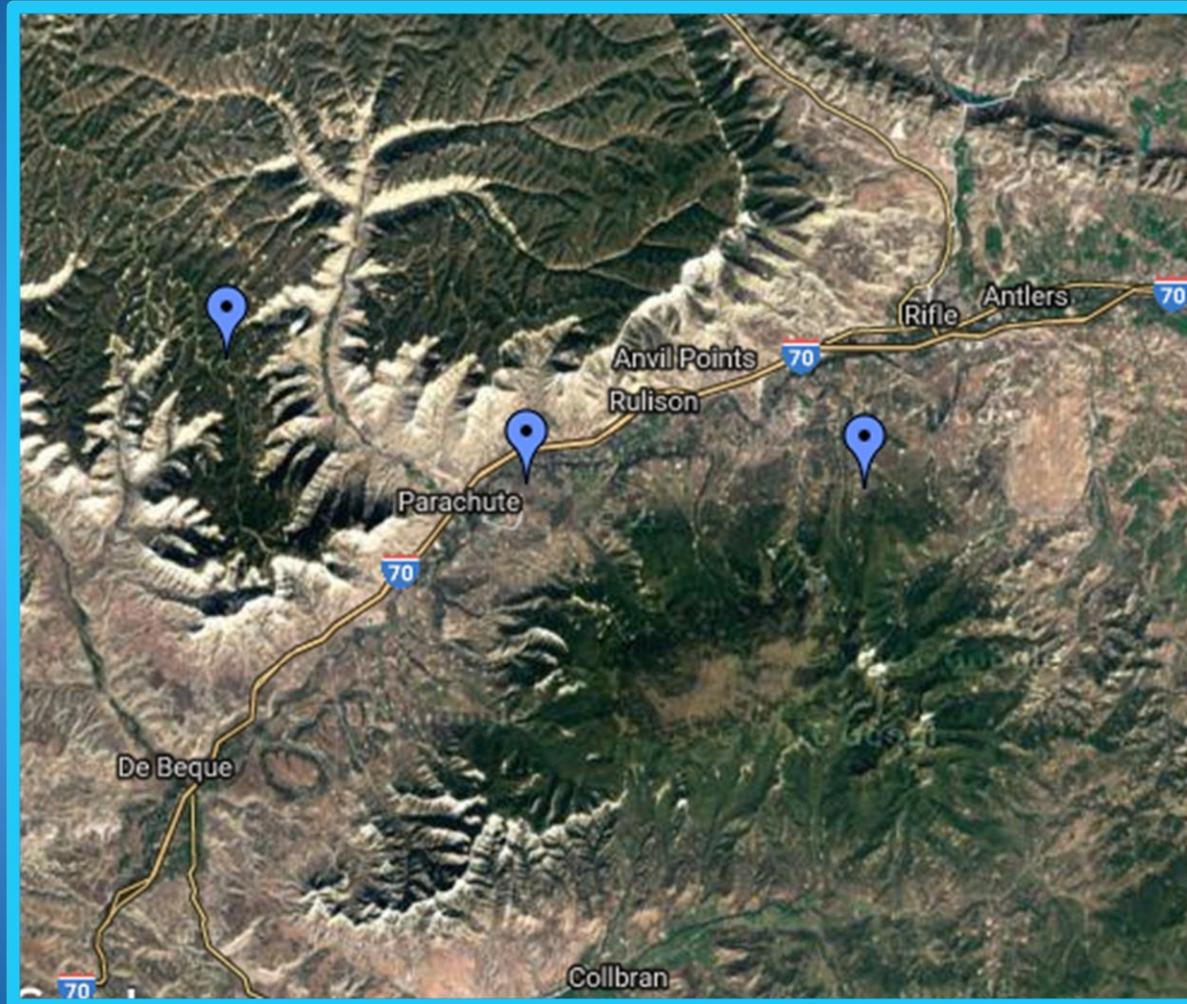
- We maintain an email distribution list to let folks know about upcoming EAB meetings and education topics
- Sign up on the distribution list circulating at today's meeting, or send an email to npayne@garfield-county.com
- Or call Oil and Gas Liaison office at (970) 625-5915

2016 Resident Calls to Liaison's Office

September 2016

4	Traffic/Haul Route
1	Odor
33	Information Requests

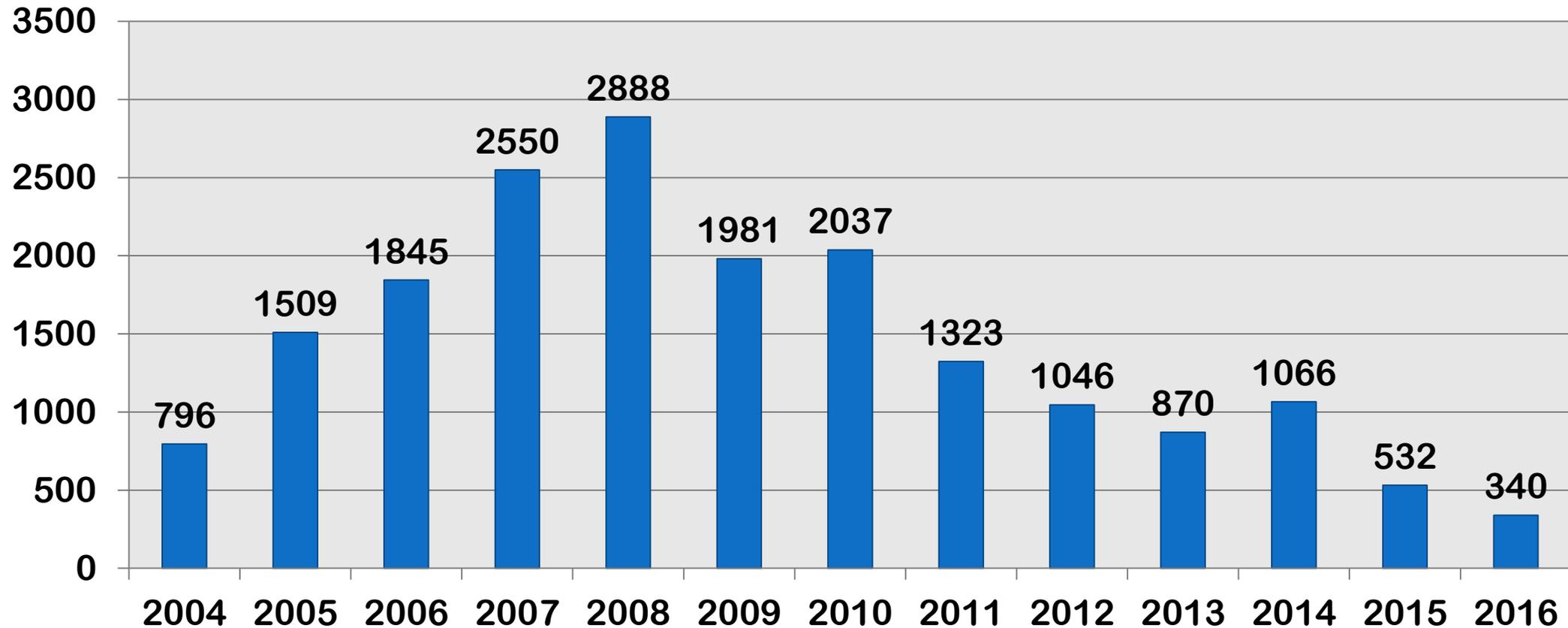
Garfield County has 3 Active Drilling Rigs



**Map from Community Counts website as of October 4, 2016

Annual Drilling Permits, Garfield County

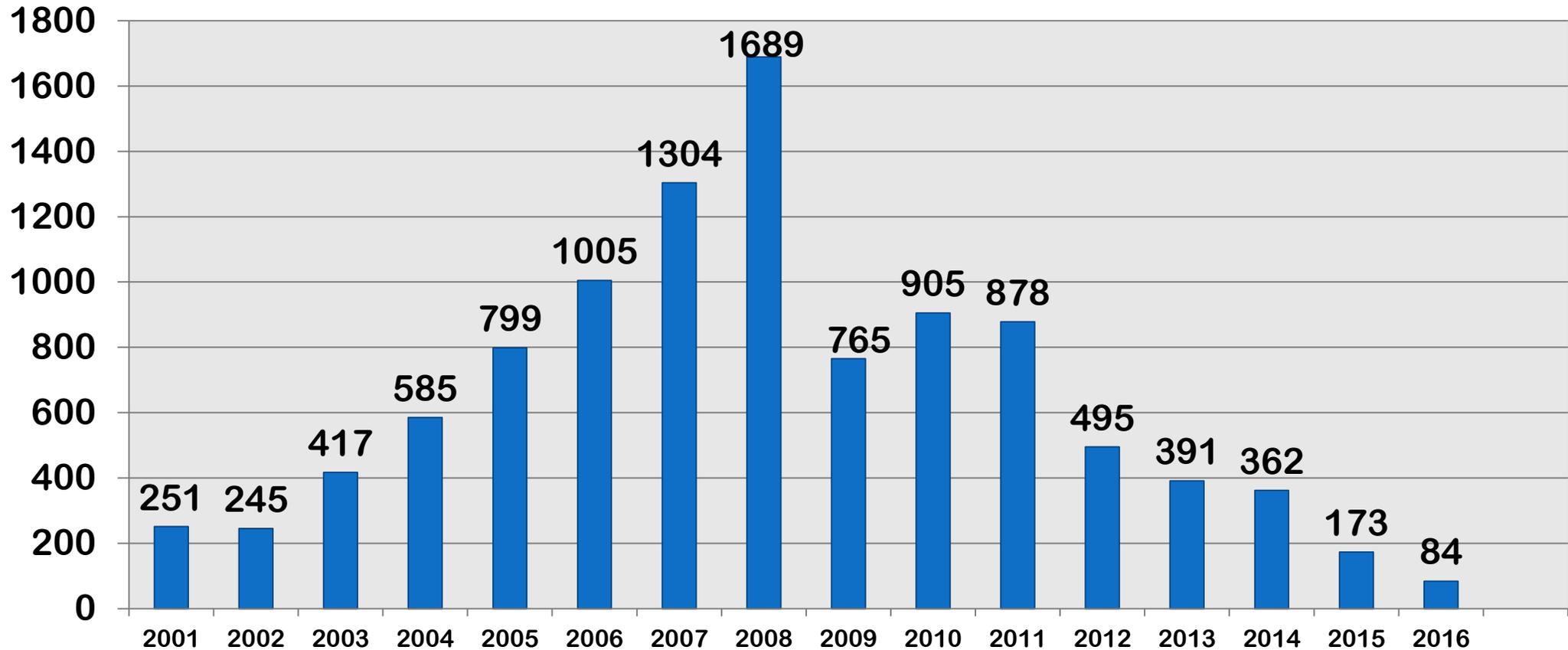
Approved Annual Drilling Permits in Garfield County



**As of August 1, 2016

Annual Well Starts, Garfield County

Annual Gas Well Starts in Garfield County



**As of August 1, 2016

Ursa Battlement Mesa Permit Applications

- County permit application approved for BMC-D and BMC-B well pads within Battlement Mesa PUD
- COGCC approved both pads and is working on meeting county conditions of approval prior to beginning pad and pipeline construction (expected in 2017)
 - Numerous County COAs were adopted or enhanced within the COGCC permit
- **Community Outreach in Battlement Mesa:** Oil & Gas Liaison has standing agenda item at Battlement Mesa Service Association Board meetings and monthly column in their newsletter

Large Urban Mitigation Area consultation

- New rule adopted by COGCC Feb. 2016
- Fosters early discussions among industry and local government for 'urban' well pads
- Garfield County was consulting on a proposed well pad near Grand Valley High School and have included the School District in the process
- Ursa Resources has decided to hold off on further permitting activity. No additional meetings/discussions are planned at this time

2015 Garfield County Air Monitoring Reports

<http://www.garfield-county.com/air-quality/documents.aspx>



Annual Air Monitoring Reports

- Reports available on county website
 - <http://www.garfield-county.com/air-quality/>
- Annual reports summarize
 - Meteorology
 - Criteria Air Pollutants
 - Hazardous Air Pollutants



Program managed by
Morgan Hill, Garfield
County Environmental
Health Specialist



2015 Garfield County Air Monitoring Reports

GARFIELD COUNTY 2015 AIR QUALITY MONITORING REPORT

Prepared for:

Garfield County Public Health Department
195 West 14th Street
Rifle, CO 81650

Prepared by



1901 Sharp Point Dr., Suite E
Fort Collins, CO 80525
970-484-7941
www.air-resource.com

August 30, 2016



2015 Data

Air Quality Monitoring Update

Network Overview

Contents

- 1 Network Overview
- 2 What We're Monitoring
- 3 Daily Air Quality Index
- 4 Air Quality Trends
- 5 New in 2015
- 5 Other Resources

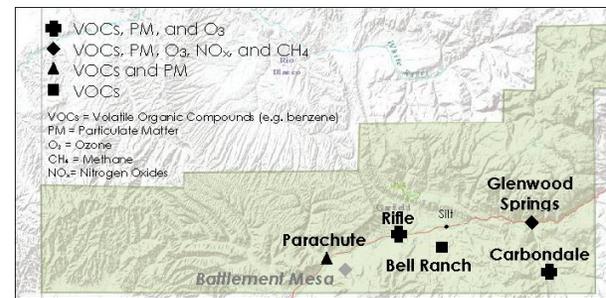
Garfield County Public Health operates an extensive air quality monitoring network designed to assess air quality in our county. Because clean air contributes to good health and a high quality of life, Garfield County is committed to a long-term air quality monitoring program.

Current air quality monitoring efforts include long term monitoring sites in Parachute, Rifle, Carbondale and a rural location about 4 miles south of Silt. Beginning in February 2015, the County's mobile monitoring station operated in Glenwood Springs. This air quality monitoring update provides a brief summary of data collected through 2015. Key findings include:

- Garfield County did not violate any national air quality standards
- Air quality has continued to improve in recent years

While the current state of air quality in our county is good, Garfield County continues monitoring to better characterize what's in the air and help understand where it's coming from. Of particular concern are potential effects related to energy development, vehicle emissions, and population growth.

Visit our website at www.garfield-county.com/air-quality to learn more about what the County is doing and what YOU can do to protect and improve our air quality.



Garfield County Air Quality Monitoring Network Site Locations in 2015



OIL & GAS HEALTH INFORMATION AND RESPONSE SYSTEM

Created and operated by **Colorado Department of Public Health and Environment** in response to Governor's Oil and Gas Task Force Recommendation

<http://www.oghir.dphe.state.co.us>

HELP line at 303-389-1687

If you have questions about oil and gas topics or would like to report an issue, please contact:



Kirby Wynn

Garfield County Oil & Gas Liaison

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E-mail: kwynn@garfield-county.com

