

OLD MCDONALD IS A FIELD, E-I-E-I-OIL!

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Early in their histories, McDonald, McCurdy, Venice, Hopper, Moon Run, Crafton, Ewings Mill and Chartiers oil fields were referred to separately, but oil production from the various fields was tallied and reported collectively as from the McDonald oil field. The fields, which were all discovered between 1888 and 1896, occupy approximately 13,000 acres in western Allegheny and northern Washington counties in Pennsylvania. Sandwiched between the existing oil fields in northwestern Pennsylvania and northern West Virginia, the McDonald fields were explored and developed using the technological advances that evolved as the drillers became experienced in those adjacent regions. The McDonald fields produced oil and some gas from one or more main pay zones, including the Hundred Foot, Fifty Foot, Gordon, Fourth and Fifth, all Upper Devonian sandstones.

Proximity to established cities contributed to the rapid development in the new oil region. Businesses in Pittsburgh, a few miles east of the McDonald oil field, had already been providing goods and services specific to the petroleum industry. With established roads and railroads, McDonald was not far removed from labor and supplies. Similarly, *Little Washington* (Washington, PA), a few miles south, had established suppliers in place to service the growing fields. The nearness of population centers also brought a steady stream of speculators, prospectors and curious day-trippers.

Barrels per hour became the standard unit of measurement used to describe the wildly successful wells that produced huge quantities of oil. Several individual wells contributed more than 300,000 barrels of oil during their productive lives. The field reached peak production of 84,300 barrels of oil per day in November, 1891. During the first 50 years, more than 45,000,000 barrels of oil were produced from the McDonald fields. Many companies, such as Royal, Chartiers, South Penn, Guffey and Galey and others had significant lease positions and realized great wealth from their activities. Secondary recovery by gas drive gave the field new life in the late 1930s through 1960s.

FROM DRILLBIT TO BURNER TIP: THE STORY OF NATURAL GAS

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This 28 minute video documentary gives a thorough and concise overview of the natural gas industry, and makes it easy for the non-technical viewer to understand. From mapping the geology of a well location to the final destination of gas in our homes, co-hosts take the viewer on an enlightening journey showing the complex process of how gas is acquired and used. Drilling, completion, production, processing, and pipeline transportation activities in several different sites in the Rocky Mountains are highlighted. Important historical and technical background information is provided by Colorado School of Mines Professor John Curtis, and brief interviews with field personnel add interest and humor. Animations are used to make abstract concepts understandable. This informative film comprehensively covers a topic which most people rarely think about and makes a complex subject understandable to the non-technical viewer.

The video program was produced with partial support from Tom Brown, Inc., Evergreen Resources, Inc., Nerd Gas LLC, the McMurry Foundation, John Martin, and Western Gas Resources, Inc. It included previously-filmed footage that was supported by the Rocky Mountain Association of Geologists Foundation, Denver Earth Resources Library, and RMS-AAPG Foundation.

From Drillbit to Burner Tip premiered during the Rocky Mountain Natural Gas 2004 Conference in Denver in August. That led to a trip to Washington for a presentation at the Department of Energy to a National Energy Policy Work Group as an example of energy education products currently available. Wyoming Public Television was the very first channel to broadcast the program in October 2004, with underwriting provided by Wells Fargo Energy Group.

LIGHTING THE FRONTIER: THE STORY OF COLORADO'S FLORENCE OIL FIELD

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This 28.5 minute video tells the dramatic story of the people and events that led to the discovery of Florence Oil Field, Colorado's first oil field. Florence, just 35 miles west of Pueblo, had a population of 10,000, and the streets were crowded day and night. There were 25 oil companies, three refineries, seven gold ore mills and several coal mines operating in and around the town. The oil field covered 25