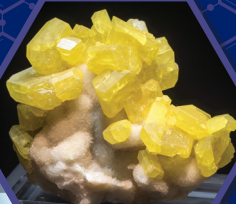


# PETROLEUM MUSEUM

## GALLERY GUIDE

### SCIENCE

PERMIAN BASIN CROSS SECTION



SULPHUR  
Canaan Mine, Cumberland  
Paragard Mine, Italy, Italy

LAND & TITLE  
OFFICE

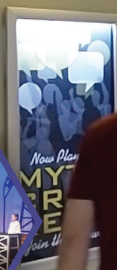
### HISTORY

MEET THEM HERE  
THE FIRST OILMEN  
AND THE FIRST  
OIL COMPANIES  
DRILLING PROSPECTORS



### EDUCATION

# MYTHCRACKERS

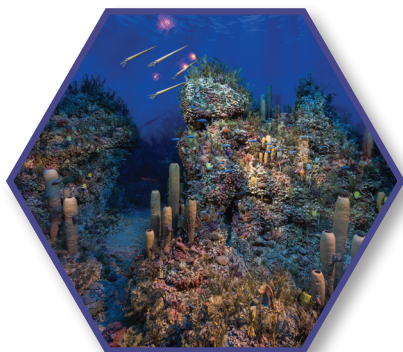


## MYTHCRACKERS THEATER

"It's what you think you know that just ain't so!" Step into Mythcrackers Theater and crack some basic myths about the petroleum industry. Myth cracking begins every 15 minutes.

## PERMIAN SEA

Step back in time over 250 million years ago, when this area was the Permian Sea. Watch the geologic history of how the Permian Basin was formed. Microscopic viewers tell the story of the formation of oil from microscopic creatures.



## BOOM TOWN

Stroll through a 1920's era boom town. Meet people instrumental in the birth of the petroleum industry in the Permian Basin. Visit a land office and the General Store, featuring collections from the early days of settling the vast Permian Basin.



## GROWTH OF AN INDUSTRY

Celebrate the growth of America's petroleum industry with icons like Midland's own Pegasus, drill bits, and beautifully restored gas pumps from this era. Watch the marketing strategies of petroleum companies creating their legacies.



## PEAKS AND PROPHECIES

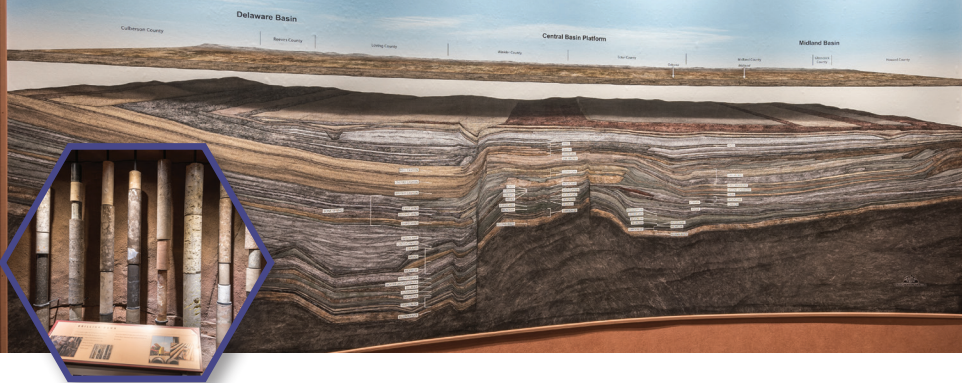
Discover the radical and often amusing forecasts for the petroleum industry over the years. What came true and what didn't? Travel through our interactive timeline of prophecies, history, and oil production.

## PETROTREKKER

Join the Captain and his crew on a futuristic ride exploring for oil and natural gas resources in the far corners of the earth using out-of-this-world technology. Blast-off every 15 minutes.



# PERMIAN BASIN CROSS SECTION



## GEOLOGY

Explore the fascinating field of geology and its importance to the petroleum industry. Learn about how oil is formed, the concepts of porosity and permeability, and the rocks that hold this precious resource.

## DRILLING AND SEISMIC

Choose a drilling location and drill your own well, vertical or horizontal, anywhere on the globe. Will you be successful or will you run into trouble? The clock will run for three minutes as you size up your options to drill. Then, explore the fields of seismic technology, reservoir management, and perforating.



## SUPPLEMENTAL ENERGIES

Discover how we might power our cities in the future. Explore the world of supplemental energies – what might work, what are the obstacles, what are the opportunities for growth?





## ENERGY CITY

Power a city, build a car, take a photo with our Energy Superheroes. Kids will love exploring this fun-filled space complete with park benches, cars to play in, and their own recycle bin!



## "E"NSPIRATIONS AND CAREERS

Meet inspirational individuals who have made energy their life's work, then explore career opportunities in the industry in our interactive career gallery. The petroleum industry needs creative, dedicated people - explore the variety of jobs available.



## PETROLEUM HALL OF FAME

The Petroleum Museum recognizes select individuals who have made remarkable contributions to the Permian Basin and the petroleum industry. Meet the rugged individuals honored here who came to the Permian Basin, changed the course of history, pursued their dreams, and helped build communities.



## MINERAL GALLERY

Enjoy the breath-taking beauty of nature in the Mineral Gallery. Specimens from across the globe will enchant visitors of all ages. The collection consists of minerals both gifted and loaned.



## ABELL FAMILY GALLERY

The cultural history of the Permian Basin is beautifully depicted by award-winning artist, Tom Lovell. From early Indian cultures to cowboys, geologists, and landmen, these captivating works of art showcase the people and landscape of the Permian Basin.

## CHAPARRAL GALLERY

Feeling a need for speed? Race back to the 1960's and the world-famous Chaparral race cars. Jim Hall designed, built, and tested these innovative racers right here in Midland, Texas. Explore the science of aerodynamics, which Jim Hall proved to be an important aspect of race cars, both then and now.



## OIL PATCH

Capture the history and evolution of mechanics and engineering through the collection of antique equipment outside in the Oil Patch. Take a stroll from the back patio or drive from the east parking lot to view the "patch." Highlights of this one of a kind exhibit are included below.



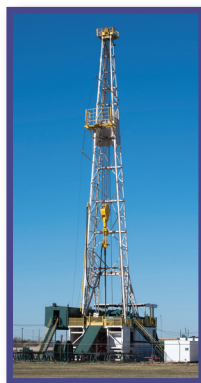
**Central Power Unit:** This equipment, housed in an open-sided shed, was made by National Supply Company. It is believed to date from the mid-1930's, though equipment similar to it was made in the early 1920's. The 18-foot wheel was originally installed on a lease near Grandfalls, Texas.

**1920's Rotary:** This rotary rig highlights the early 1920's draw-works and rotary table that was powered by a steam driven engine. It is the link between cable tool drilling and today's rotary drilling.



**National No. 3:** The National No. 3 dates to the early 1950's when its metal parts allowed the rig to drill to greater depths than the wooden and older model rigs. The National No. 3 was used by George T. Abell of Midland in a number of Permian Basin fields.

**Modern Rotary Rig:** The triple-mast rig is capable of drilling to depths of over 14,000 feet. Standing 148 ft. in height, it cost about \$4 million in 1980. It would weigh over one million pounds fully rigged.



**Santa Rita #2:** This rig, restored to its 1923 appearance by Shorty Hall of Odessa, is a lasting reminder of the hundreds of cable tool rigs once used throughout the United States. Today, only a few such antique rigs remain. They are sentinels from the pioneering days of the petroleum industry.



The Permian Basin Petroleum Museum opened in 1975. The Museum is one of the largest in the country dedicated to the petroleum industry and its pioneers. It has expanded its focus to include a Transportation Wing, featuring the world-renowned Chaparral race cars, as well as one of the state's largest mineral galleries. Through education, technology, and community leadership, the Petroleum Museum continues to serve the Permian Basin community as an evolving resource for the petroleum industry and honors the individuals that have helped create its rich history.

**Hours:**

Monday – Saturday 10:00 am – 5:00 pm

Sunday 2:00 pm – 5:00 pm

Admission Charged

Permian Basin Petroleum Museum, Library, and Hall of Fame  
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