

**8<sup>th</sup> Annual  
Marcellus & Manufacturing  
Development Conference  
April 9, 2019**

**Rhonda Reda  
Executive Director  
Ohio Oil and Gas Energy Education Program**



# An “Unusual” Oil and Gas Commercial



# About the Ohio Oil and Gas Energy Education Program

- ✓ The Ohio Oil and Gas Energy Education Program (OOGEEP) is a non-profit education program funded by Ohio's oil and gas producers through an assessment on the production of all natural gas and crude oil produced in Ohio.
- ✓ **No Taxpayer Dollars!**
- ✓ We do not own, drill, operate or have a working interest in any natural gas or oil wells.

K – 12 STEM  
Education  
Programs &  
Teacher  
Workshops

Economic Impact  
Studies

Workforce & Career  
Development

Communications,  
Media Relations,  
Social Media and  
Industry Promotion

Industry Safety and  
Firefighter Training

Guest Speaker and  
Community  
Outreach Programs

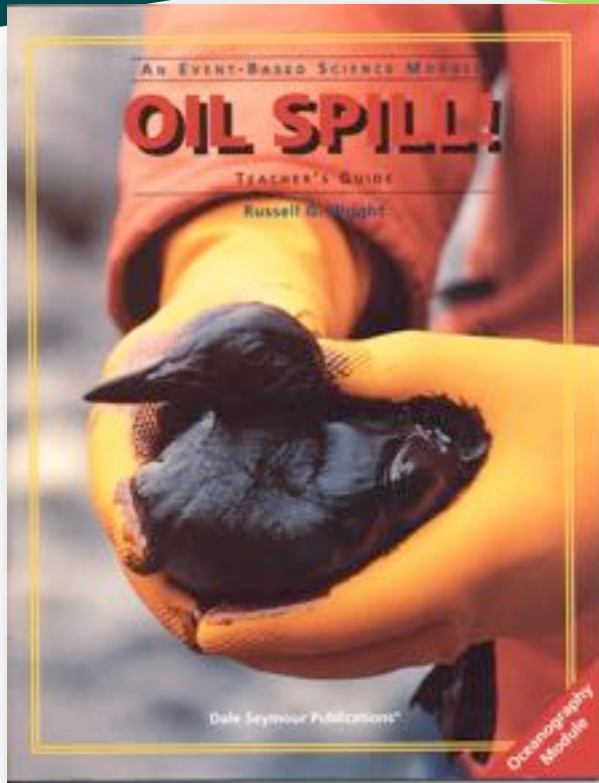
Scholarships,  
Science Fair &  
Scouting Programs





# Teacher Programs

# What Was A Key Factor For Creating An Energy Education Program?




PLUS EARTHWORKS  
Oceanography  
Lesson 15

Name \_\_\_\_\_  
Date \_\_\_\_\_

4. On the deep seafloor, there are small lumps of minerals. They are called nodules. The nodules contain much manganese. They also contain copper, nickel, and cobalt.

- Below TABLE SALT write MINERALS.
- Outline three or four nodules on the seafloor on the study print.
- Label them NODULES.



Turn to side B of the study print. Continue these activities on side B.

5. In the middle of the map, write RESOURCES.

6. Some gold, tin, silver, and other ores have been found on the continental shelf. On the map the continental shelf is the light blue area next to the continents.

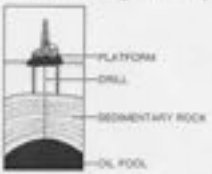
- Below RESOURCES write ORES.
- Draw an arrow from ORES to a wide area of the continental shelf.

7. There are vast amounts of sand and pebbles on the continental shelf. Both are used to construct buildings.

- Below ORES write SAND, PEBBLES.
- Draw an arrow from SAND, PEBBLES to a continental shelf.

8. Under some parts of the continental shelf, oil and natural gas are buried. Below ORES write OIL, GAS.

- Special platforms are built off shore to drill for oil. Many people live and work on these oil rigs. Label the same things on the study print.



(continued)

PLUS EARTHWORKS  
Oceanography  
Lesson 15

Name \_\_\_\_\_  
Date \_\_\_\_\_

9. Oil must be carefully brought to shore. Oil spills pollute seawater, destroy beaches, and kill sea animals and plants.

- Draw a pool of oil on the water below the platform.
- Draw a thick black arrow from that oil to the ocean water along the sandy beach in the upper left corner.
- Along the arrow write OIL SPILL.
- Along the beach write DESTROYS.

10. Use your labels on both sides of the study print. List six resources we get from the oceans.

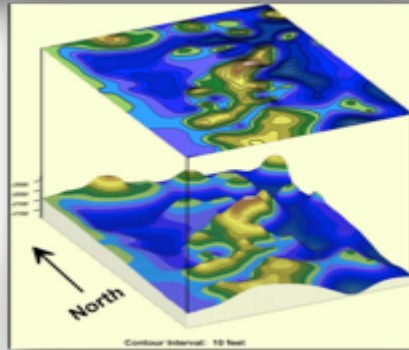
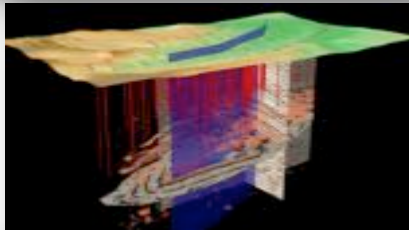
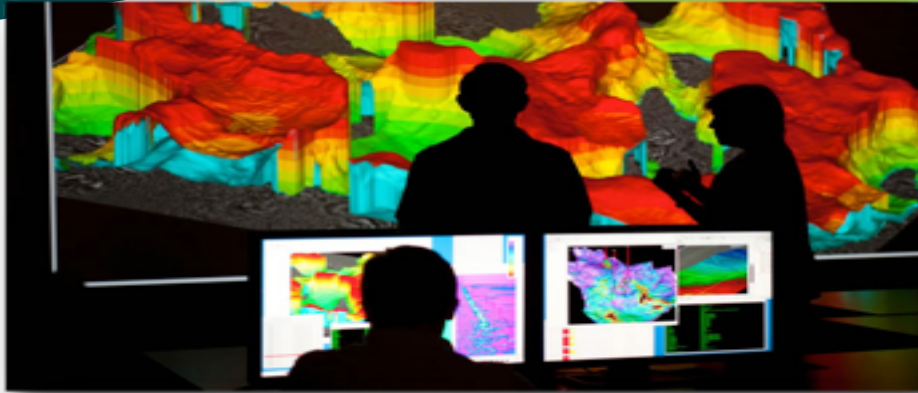
food      Table salt      Water  
seaweed      fish      nodules

10. Which of the resources do you and your family use? For what?

Table salt we use it for food that we make

© 1988 WILEY-INTERSCIENCE, JOHN WILEY & SONS, INC.

# STEM and Geology Curriculum/ Workshops

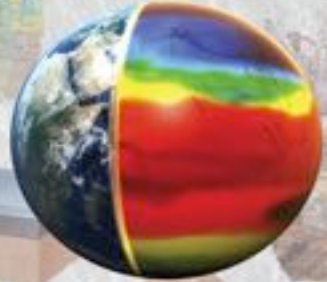


OHIO OIL AND GAS ENERGY EDUCATION PROGRAM




**OOGEEP**  
org

## GEOLOGY WORKSHOP CURRICULUM

LESSONS DEVELOPED FOR OHIO SCIENCE STANDARDS



OHIO OIL AND GAS ENERGY EDUCATION PROGRAM  
P.O. Box 187, Granville, Ohio 43022  
(741) 527-0470 [www.oogeeep.org](http://www.oogeeep.org)

# “New” Geology and STEM Technology Activity

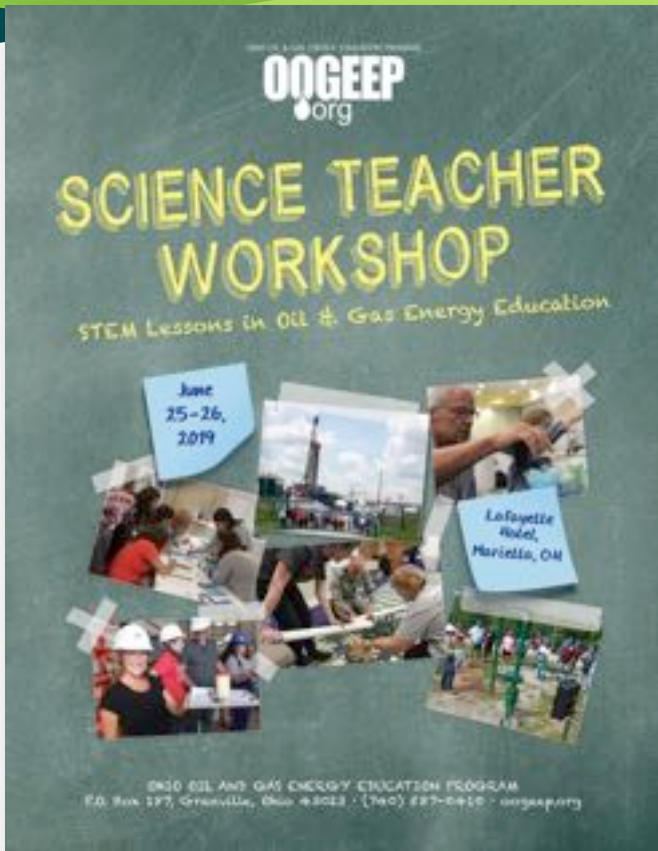




# Teacher Workshops/ Field Trips



# Upcoming 2019 Summer Teacher Workshops



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**OOGEEP**  
org

## SCIENCE TEACHER WORKSHOP

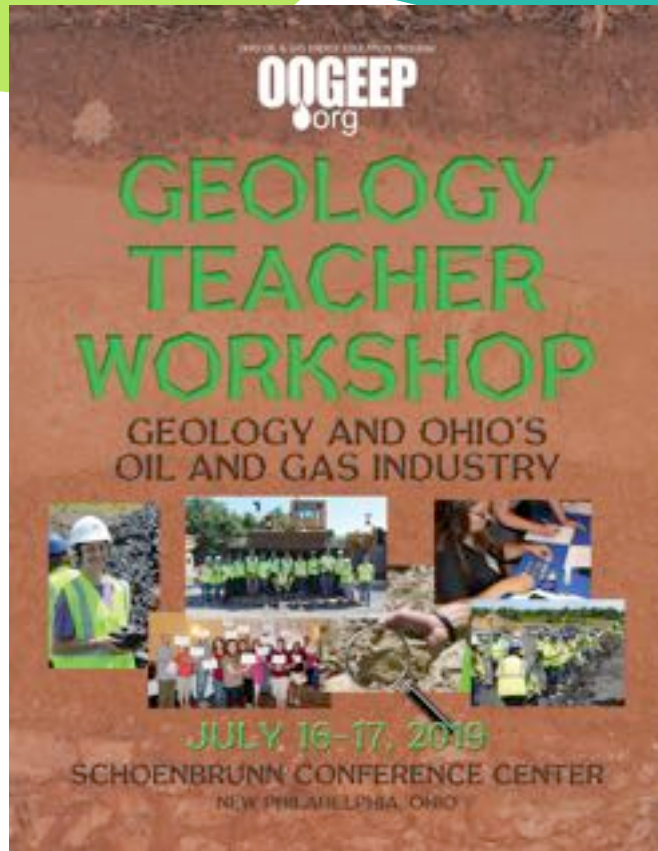
STEM Lessons in Oil & Gas Energy Education

June 25-26, 2019

Lafayette Hotel, Marietta, OH

OHIO OIL AND GAS ENERGY EDUCATION PROGRAM  
P.O. Box 127, Greenville, Ohio 45622 • (740) 887-6410 • oogeep.org

The poster features a collage of photos showing people in various settings, including a classroom, an industrial site, and a group of people working together. A blue sticky note is pinned to the collage with the text 'June 25-26, 2019'. Another blue sticky note is pinned with the text 'Lafayette Hotel, Marietta, OH'.



OHIO OIL & GAS ENERGY EDUCATION PROGRAM  
**OOGEEP**  
org

## GEOLOGY TEACHER WORKSHOP

GEOLOGY AND OHIO'S OIL AND GAS INDUSTRY

JULY 16-17, 2019

SCHOENBRUNN CONFERENCE CENTER  
NEW PHILADELPHIA, OHIO

The poster features a collage of photos showing people in various settings, including a worker in a hard hat and safety vest, a group of people in a classroom, and a group of people in an industrial setting. The background is a textured, reddish-brown color.



# Media Outreach - Teachers

Ohio educators go to school on drilling

## Local Teachers Learn More About

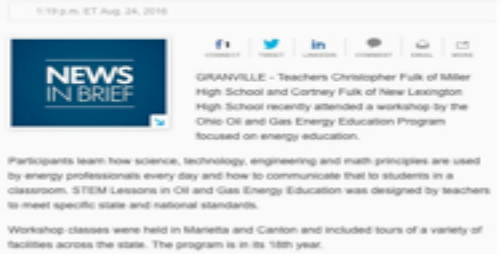


**The Pike County News Watchman**  
**Teachers energized to go back to school**  
Published: Thursday, August 25, 2016 12:07 pm

GRANVILLE, OH — Teachers of multiple grade levels, all across Ohio, will walk into classrooms this fall ready to share with their students exciting new information, facts and educational materials they received by attending specialized energy education workshops this summer. More than 70 dedicated Ohio teachers took part in the sessions hosted by the Ohio Oil and Gas Energy Education Program (OOGEEP).

**Times Recorder**  
Local News & Information

### Local teachers attend oil and gas education workshop



5:19 p.m. ET Aug. 24, 2016

**NEWS IN BRIEF**

GRANVILLE - Teachers Christopher Fulk of Miller High School and Courtney Fulk of New Lexington High School recently attended a workshop by the Ohio Oil and Gas Energy Education Program focused on energy education.

Participants learn how science, technology, engineering and math principles are used by energy professionals every day and how to communicate that to students in a classroom. STEM Lessons in Oil and Gas Energy Education was designed by teachers to meet specific state and national standards.

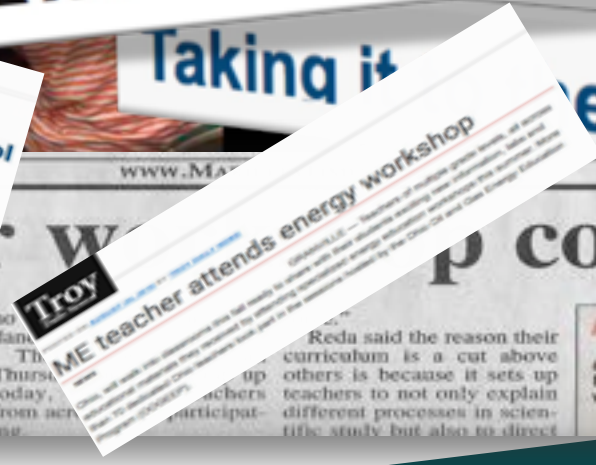
Workshop classes were held in Marietta and Canton and included tours of a variety of facilities across the state. The program is in its 18th year.



**Ohio Gas & Oil**  
**Teachers Energized to Go Back To School**  
Published: October 5, 2016 12:38 PM



By James...  
The Marietta...  
For its 17th year the Ohio Oil and Gas Energy Education Program (OOGEEP) has once again invited several most...



**Troy**  
**ME teacher attends energy workshop**

GRANVILLE — Teachers of multiple grade levels, all across Ohio, will walk into classrooms this fall ready to share with their students exciting new information, facts and educational materials they received by attending specialized energy education workshops this summer. More than 70 dedicated Ohio teachers took part in the sessions hosted by the Ohio Oil and Gas Energy Education Program (OOGEEP).

Reda said the reason their curriculum is a cut above others is because it sets up teachers to not only explain different processes in scientific study but also to direct



**Perry County Tribune**  
**Perry County educators energized for back to school**  
Published: Thursday, August 25, 2016 12:07 pm



Courtney Fulk

Teachers of multiple grade levels, all across Ohio, will walk into classrooms this fall ready to share with their students exciting new information, facts and educational materials they received by attending specialized energy education workshops this summer. More than 70 dedicated Ohio teachers took part in the sessions hosted by the Ohio Oil and Gas Energy Education Program (OOGEEP).

More than 70 dedicated Ohio teachers took part in the sessions hosted by the Ohio Oil and Gas Energy Education Program (OOGEEP).

Have in that 18th year OOGEEP teacher-enthusiasts continue to provide educators with a fast-growing portfolio of new courses, science, engineering and math (STEM) principles and used by energy professionals every day. OOGEEP's science, technology, engineering and math (STEM) Lessons in Oil and Gas Energy Education, also known as STEM Lessons in Oil and Gas Energy Education, is a program that provides teachers with the science, technology, engineering and math (STEM) lessons they need to teach their students. The program is designed to meet specific state and national standards and is used by energy professionals every day. The program is designed to meet specific state and national standards and is used by energy professionals every day.

At a glance:  
Topics and Program 8 workshop:  
- Formation  
- Migrating & Trapping

workshop will include on-site demonstrations; Pipe testing and threading demonstration — Ken Miller Supply;  
- Crude oil transportation and



# Scouting, Science Fair & Youth Programs

# “Rock’n in Ohio”



# Scouting Engineering Merit Badge





# Science/ STEM Fair



# Actual Science Fair Project: How Gullible Are We? Would You Sign a Petition to Ban the Chemical “Dihydrogen Monoxide”

1. Can cause excessive sweating and vomiting
2. Is a major component in acid rain
3. Can cause severe burns in its gaseous state
4. Accidental inhalation can kill you
5. It contributes to erosion
6. It decreases effectiveness of automobile brakes
7. It has been found in tumors of terminal cancer patients

# Science Fair Project Results:

**Would you sign a petition to ban the use of this “chemical?”**

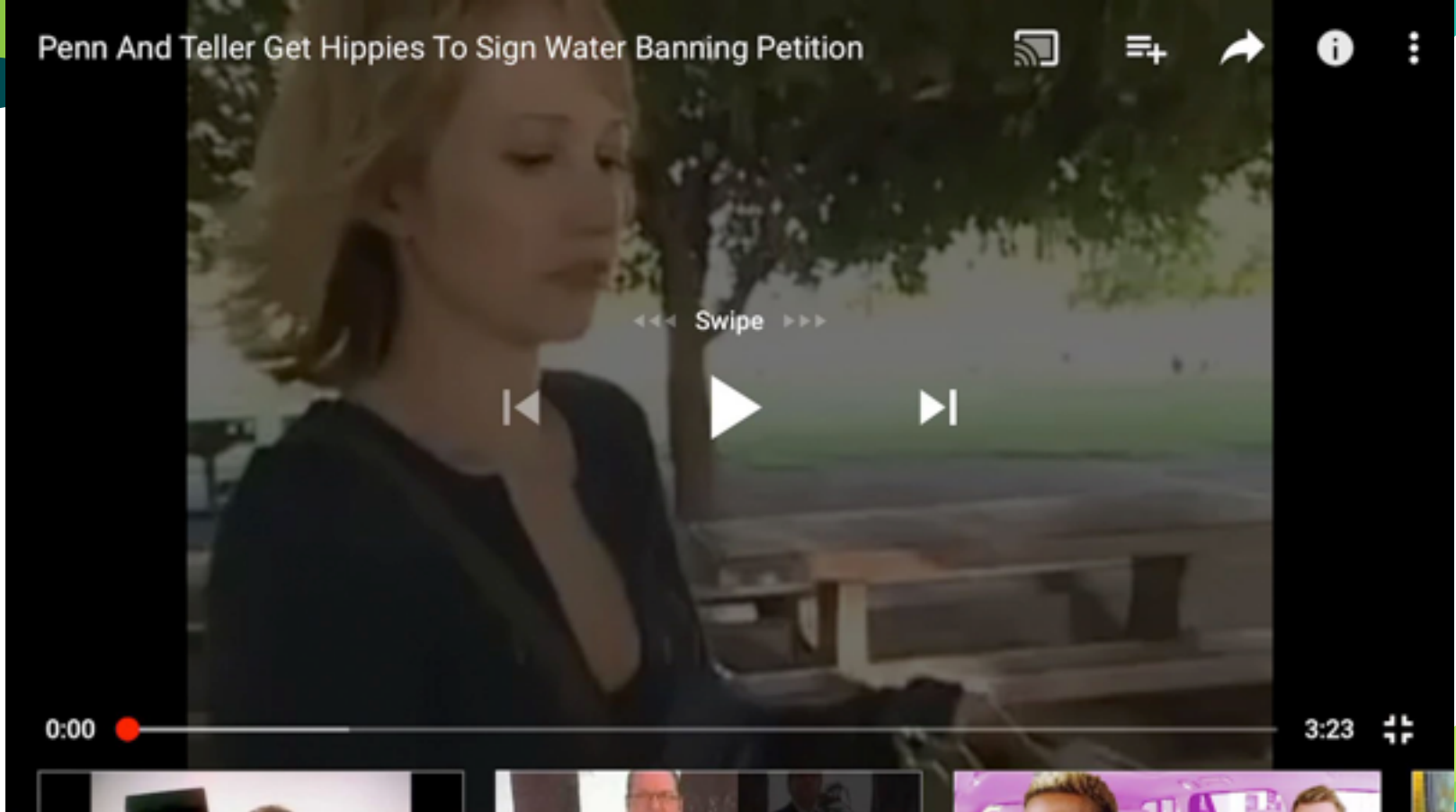
- ✓ 143 people said yes.
- ✓ 6 were undecided.
- ✓ Only one knew that the chemical was . . .

**WATER!!!**





# Penn & Teller: “Dihydrogen Monoxide”



# Community Events/ Trade Shows/ Public Presentations

# Trade Shows & Special Community Events





**OOGEEP**  
org

### ENERGY PASSPORT

COMPLETE "DIG IT!" TO WIN A FOSSIL!

**1**  
DIG IT!

COMPLETE AT LEAST 2 OF THE FOLLOWING STATIONS TO SPIN THE PRIZE WHEEL!

<b>2</b> MATCH IT!	<b>3</b> BUILD IT!	<b>4</b> FIND IT!
-----------------------	-----------------------	----------------------

TURN IN YOUR CARD TO SPIN THE PRIZE WHEEL AND TAKE HOME A REFINED PETROLEUM PRODUCT!





# Public Presentations



# Firefighter/ Emergency Response Training

# Firefighter/ Emergency Response Training

- 1,500 Firefighters
- 325 Fire Departments
- 51 Ohio Counties
- 7 Other States



**OOGEEP**  
org

## RESPONDING TO OILFIELD EMERGENCIES TRAINING

**DATES**  
SATURDAY, MAY 4 -  
SUNDAY, MAY 5, 2019

**TRAINING LOCATION**  
WATNE COUNTY FIRE & RESCUE  
REGIONAL TRAINING FACILITY  
2310 SOUTH MALLORNE ROAD  
APPLE CREEK, OH 44806

**HOTEL LOCATION**  
HILTON GARDEN INN  
855 DOVER ROAD  
WOOSTER, OHIO 44691

FUNDED & SPONSORED BY:  
OHIO'S NATURAL GAS AND OIL PRODUCERS

A collage of three images: the top image shows a firefighter in a red helmet working on a piece of equipment; the bottom-left image shows a firefighter in a red helmet in a field; the bottom-right image shows a large fire or explosion.



# Media Outreach - Firefighters

## Local firefighters receive oil field training

Ohio's oil and gas industry provides Lore City firefighters with facility, tools and training to



Ohio's Oil and Gas Industry  
Celebrating 15 Years of Training Firefighters

By Charles Deem, Safety and Wellness Director  
Ohio Oil and Gas Energy Education Program



New Co  
Morgan Co

Firefighters f  
Response Tra

NewsHerald

Local firefighter receives special oil and gas training



ROCKY RIDGE - In the event of an oil or natural gas emergency, one local firefighter will be trained and prepared for such an incident.  
Ty Linton, a firefighter with the Rocky Ridge Fire Department and a member of Mason's emergency response team, recently completed a specialized training program on how to respond and deal with potential oil and natural gas emergencies.

Ohio Gas & Oil  
Wayne County Firefighters Receive Specialized Oil Field Training

Gazette

Firefighters receive training

The Intelligencer,  
Wheeling News-Register  
Belmont County Firefighters  
Train For Oilfield Emergencies

Local news is our specialty  
Firefighters take part in specialized oil field training

SERVING ALL OF PICKAWAY COUNTY  
Circleville Herald

Pickaway Firefighters complete specialized training

By Jennifer Bahney Editor Nov 14, 2016

# Scholarships

# Scholarships



- 62 Scholarships Awarded in May 2018
- Overall 400 Scholarships
- 46 Different Colleges, Universities or Technical Institutes
- 54 Different Ohio Counties
- Students Representing 9 States
- 41 Different Majors

# Media Outreach - Scholarships

## THE DAILY & Sunday JEFFERSONIAN

Cambridge, OH

### Ohio's oil and gas industry awards scholarships



## Circleville Herald

SERVING ALL OF PICKAWAY COUNTY

### Ohio's Oil and Gas Industry to award student scholarships

Feb 9, 2017

Students interested in pursuing careers and training in the crude oil and natural gas industry have until March 1 to submit their scholarship applications to the Ohio Oil and Gas Energy Education Program (ODOGEEP). Qualifying students will receive \$1,000 renewable scholarships to attend an accredited Ohio college, university, technical or trade school of their choice. To date, more than 300 scholarships have been awarded to Ohio students.

## 1000 Scholarships for Students Careers in Oil and Gas Industry

February 8, 2017

## The Crescent-News

### Ohio's oil, gas industry to award student scholarships

## THE HIGHLAND COUNTY PRESS

### Ohio's oil and gas industry to award student scholarships

## Ohio Gas & Oil

### Ohio's Oil & Gas Industry to Award Student Scholarships

#### Qualifying Students Will Represent More Than 75 Different Energy Related Career Paths

Students interested in pursuing careers and training in the crude oil and natural gas industry have until March 1 to submit their scholarship applications to the Ohio Oil and Gas Energy Education Program (ODOGEEP). Qualifying students will receive \$1,000 renewable scholarships to attend an accredited Ohio college, university, technical or trade school of their choice. To date, more than 300 scholarships have been awarded to Ohio students.

## Vindy.com

The Valley's Business News  
Published: Feb 7

## The Sunbury News

Published on February 26, 2017 by [Amanda Adams](#)

### Oil, Gas Industry to Award Scholarships

Qualifying Students Will Represent More Than 75 Different Energy Related Career Paths

Granville, OH — Students interested in pursuing careers and training in the crude oil and natural gas industry have until March 1 to submit their scholarship applications to the Ohio Oil and Gas Energy Education Program (ODOGEEP). Qualifying students will receive \$1,000 renewable scholarships to attend an accredited Ohio college, university, technical or trade school of their choice. To date, more than 300 scholarships have been awarded to Ohio students.



## THE BARGAIN HUNTER

### Oil and Gas Energy Education Program to award student scholarships

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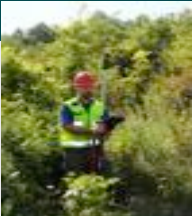
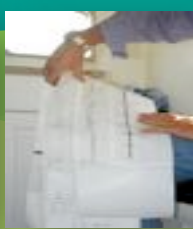


Judges Richard Wagner and Joe Markley, far left, and Brandon Young discuss their project at the Marling...

# Workforce/ Career Development



OHIO OIL & GAS ENERGY EDUCATION PROGRAM



Ohio Oil & Gas Energy Education Program  
**OOGEEP**.org  
 CAREER DEVELOPMENT CARDS

**Geology**

- Geologist
- Geophysicist
- Geotechnical Engineer
- Environmental Geologist
- Hydrogeologist
- Mineralogist
- Soil Scientist
- Stratigrapher
- Structural Geologist
- Volcanologist
- Water Resources Engineer

**Engineering**

- Chemical Engineer
- Civil Engineer
- Electrical Engineer
- Environmental Engineer
- Industrial Engineer
- Instrumentation Engineer
- Mechanical Engineer
- Metallurgical Engineer
- Nuclear Engineer
- Process Engineer
- Quality Control Engineer
- Systems Engineer
- Thermal Engineer
- Transportation Engineer
- Welding Engineer

**Other Professions**

- Accountant
- Business Development Representative
- Customer Service Representative
- Dispatcher
- Drilling Rig Operator
- Equipment Operator
- Field Supervisor
- General Laborer
- Inspector
- Inventory Control
- Logistics Coordinator
- Manufacturing Associate
- Marketing Representative
- Operations Manager
- Production Supervisor
- Quality Assurance
- Sales Representative
- Warehouse Associate
- Warehouse Worker
- Welder

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OHIO OIL & GAS ENERGY EDUCATION PROGRAM  
**OOGEEP**.org  
 NATURAL GAS & CRUDE OIL CAREERS  
**CAREER OVERVIEWS**

**Geologist**  
 SURVEYOR  
 DENRICK  
 PETROLOGIST  
 ENGINEER

**Welder**  
 DIESEL MECHANIC  
 NATURAL GAS BUYER  
 LABORATORY TECH

© 2018 OOGEEP.org

Ohio Oil & Gas Energy Education Program  
**OOGEEP**.org  
 WELDER 7 WELDER HELPER

**Education**

- High School Diploma or GED
- Welding Certification

**Skills & Experience**

- Ability to read blueprints
- Attention to detail
- Good communication skills
- Strong work ethic
- Willingness to work in a team

**Job Duties**

- Prepare and maintain equipment
- Perform welding and cutting
- Inspect and test work
- Follow safety protocols
- Maintain work area

© 2018 OOGEEP.org

Ohio Oil and Gas Energy Education Foundation  
**OOGEEP**.org  
 2018 SCHOLARSHIP APPLICATION GUIDELINES

**Eligibility**

- Ohio resident
- High school senior
- Minimum GPA of 3.0
- Enrolled in a STEM field
- Financial need

**Application Process**

- Complete application form
- Submit transcripts
- Submit letters of recommendation
- Submit proof of financial need
- Submit application by deadline

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# Career Opportunities

## OHIO OIL & GAS ENERGY EDUCATION PROGRAM



## NATURAL GAS & CRUDE OIL CAREERS

### CAREER OPPORTUNITIES

Administrative/ Executive Assistant  
 Attorney  
 Automation Technician  
 Business Analyst  
 Business Development  
 Chemical Engineer/ Chemist  
 Chief Financial Officer  
 Civil Engineer  
 Community Relations  
 Completion Engineer  
 Completion Superintendent/ Supervisor  
 Construction Coordinator  
 Construction Technician  
 Controller  
 Data Analyst  
 Demolition  
 Development Advisor  
 Diesel Mechanic  
 Division Order Analyst  
 Drilling Engineer  
 Drilling Superintendent/ Supervisor  
 Drilling Technician  
 Electrical Engineer  
 Electronic Technician  
 Engineering Technician  
 Engineers  
 Environmental Engineer  
 Environmental, Health, & Safety Field Coordinator  
 Equipment Operator  
 Facility Engineer  
 Facility Operator  
 Field Engineer (Cased Hole or Wireline)  
 Financial Analyst  
 Flareman  
 Geologist  
 Geophysicist  
 Geoscience Technician  
 Government Affairs  
 Human Resources Director  
 Instrumentation & Electrical (I/E) Technician

JOB Accountant  
 Land Lease and Rental Analyst  
 Land Lease Coordinator  
 Land Lease Records Coordinator  
 Land Mapping Technician  
 Landman (Land Lease Negotiator)  
 Landowner Relations  
 Lease Operator (Well/Tendon Pump)  
 Maintenance/Mechanical Technician  
 Mechanical Engineer  
 Mud Engineer  
 Mud Logger  
 NND Engineer (Measurement While Drilling)  
 Natural Gas Balancing Analyst  
 Natural Gas Buyer  
 Natural Gas Risk Analyst  
 Natural Gas Sales Representative  
 Natural Gas Scheduler  
 Natural Gas Trader  
 Office Coordinator  
 Petroleum Engineer  
 Plant Coordinator  
 Process Technician  
 Procurement Manager  
 Production Assistant  
 Production Engineer  
 Production Technician  
 Public Affairs  
 Regulatory Analyst  
 Reservoir Engineer  
 Revenue Accountant  
 Route/Outfit  
 Surveyor  
 Technical Services Maintenance Coordinator  
 Technicians  
 Truck Driver (CDL)  
 Water System Engineer  
 Weather Forecaster  
 Welder  
 Welder Helper  
 Workover/ Service Rig Supervisor

For more information about each career, including their descriptions, minimum education requirements, and lists of education and training opportunities, please visit [www.oogeop.org/industry-workforce/careers](http://www.oogeop.org/industry-workforce/careers).

Ohio Oil & Gas Energy Education Program  
 P.O. Box 187, Geneva, Ohio 43024  
 Phone: (740) 587-0410 | [www.oogeop.org](http://www.oogeop.org)



Ohio Carpenters' Joint Apprenticeship and Training Program  
 Ohio Dominican University  
 Ohio Laborers Apprenticeship and Training Program  
 Ohio Northern University  
 Ohio State University, The  
 Ohio University  
 Ohio Wesleyan University  
 Operating Engineers Local 18 Apprenticeship and Training Program  
 Osare Community College  
 Perm State  
 Pettis Career Center - High School Student and Adult Education Programs  
 Pickaway-Ross County Career and Technology Center - High School Student and Adult Education Programs  
 Pleasant Community and Technical College  
 Pioneer Career and Technology Center - High School Student and Adult Education Programs  
 Plumbers and Pipefitters Local Union 395 Apprenticeship Program  
 Plumbers and Pipefitters Local Union 34 Apprenticeship Program  
 Polaris Career Center - High School Student and Adult Education Programs  
 R. G. Drage Career and Technical Center - High School Student and Adult Education Programs  
 Rhodes State College  
 Shawnee State University  
 Sinclair Community College  
 Southern State Community College  
 Stark State College  
 Stearns Hills Center  
 Tiffin University  
 Tolland Career and Technical Center - High School Student and Adult Education Programs  
 Tri-County Adult Career Center  
 Trumbull Career and Technical Center - High School Student and Adult Education Programs  
 University of Akron, The  
 University of Cincinnati  
 University of Dayton  
 University of Findlay  
 University of Mount Union  
 University of Northwestern Ohio  
 University of Rio Grande  
 University of Toledo, The  
 Walsh University  
 Washington County Career Center - High School Student and Adult Education Programs  
 Washington State Community College  
 Wayne County Schools Career Center - High School Student and Adult Education Programs  
 West Virginia Northern Community College  
 West Virginia University  
 Wilmington College  
 Wilbering University  
 Wright State University  
 Youngstown State University

For more information about the career opportunities associated with these available educational / training programs, along with job descriptions and minimum education requirements, please visit [www.oogeop.org/industry-workforce/careers](http://www.oogeop.org/industry-workforce/careers).

Ohio Oil & Gas Energy Education Program  
 P.O. Box 187, Geneva, Ohio 43024  
 Phone: (740) 587-0410 | [www.oogeop.org](http://www.oogeop.org)






# Job Descriptions/ Career Overview

OHIO OIL & GAS ENERGY EDUCATION PROGRAM

**OOGEEP**  
org

NATURAL GAS & CRUDE OIL CAREERS

## CAREER OVERVIEWS



Please visit our website at [www.oogeep.org/industry-workforce/careers/](http://www.oogeep.org/industry-workforce/careers/) for more information about each individual career.

Ohio Oil & Gas Energy Education Program  
P.O. Box 147, Quincy, Ohio 43050  
Phone: (614) 562-3400 • [www.oogeep.org](mailto:www.oogeep.org)




PHOTO	JOB TITLE AND DESCRIPTION	MINIMUM EDUCATION REQUIREMENTS
	<b>WEATHER FORECASTER</b> Weather Forecasters communicate weather predictions to natural gas traders, schedulers, buyers and sales representatives. This is an important role since natural gas consumption and prices are directly affected by weather conditions.	Bachelor Degree in Meteorology
	<b>WELDER</b> Welders provide a wide variety of services related to the natural gas and crude oil industry including manufacturing, maintenance, and fabrication of drilling and well servicing equipment. They also help to build storage tanks, separators, and other production related vessels. Some welders work inside while other welders work outdoors on pipeline projects, wellhead and production pad construction.	Associate Degree and specific industry related Certifications. Apprenticeship opportunities may also be available.
	<b>WELDER HELPER</b> Welder Helpers assist Welders in a variety of ways including preparation of welding tools, equipment and supplies for each job. Other responsibilities may include lifting, moving, and clamping work pieces in preparation for cutting and/or welding.	Specific industry related Certificates. Apprenticeship opportunities may also be available.
	<b>WORKOVER SERVICE RIG SUPERVISOR</b> Workover Service Rig Supervisors oversee and manage all daily rig activities and operations. They are responsible for ordering supplies and equipment for the rig, and tracking hourly operational times for billing services provided. Workover Service Rig Supervisors maintain all maintenance records, crew training documentation, and any billable supplies used in the course of a job. They may also coordinate schedules with Completions Superintendents and other well servicing crews that include services, cementing services, fracturing and acidization services.	High School Diploma, Certificate or Associate Degree. Progressive on the job rig training. Multiple years of oil and gas field experience will be required.

# Oil and Gas Careers in Ohio

## Ohio Oil & Gas Energy Education Program



### CAREERS IN OHIO SERIES:

#### MAINTENANCE OR MECHANICAL TECHNICIAN

##### Job Description:

Installs, maintains and troubleshoots mechanical equipment.

##### Typical Education:

Associate's Degree

##### Education & Training Facilities:

**C-TEC Career and Technical Education Centers**  
150 Price Road, Newark, Ohio 43055  
740-364-2333 | 800-945-2832  
www.c-tec.edu

**Cuyahoga Valley Career Center**  
8001 Breckville Road, Brecksville, Ohio 44141  
440-526-5200  
www.cvcvworks.edu

**Kent State University at Trumbull**  
4314 Mahoning Avenue NW, Warren, Ohio 44483  
330-847-0571  
www.kent.edu

**Mid-East Career and Technology Centers**  
400 Richards Road, Zanesville, Ohio 43701  
740-455-3111 | 800-832-7545  
www.mid-east.k12.oh.us

**Stark State College**  
6200 Frank Avenue NW, North Canton, Ohio 44720  
330-494-6170 | 800-79-STAR#K  
www.stark.edu

**The Career Center Washington County Career Center**  
21740 State Route 676, Marietta, Ohio 45750  
740-373-2766  
www.thecareercenter.net

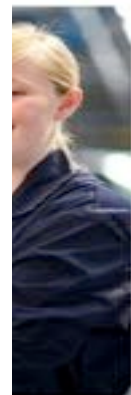
**Wayne County Schools Career Center**  
518 West Prospect Street, Smithville, Ohio 44677  
330-669-7070  
www.wayne-jrs.k12.oh.us

**Zane State College**  
1555 Newark Road, Zanesville, Ohio 43701  
740-454-2501 | 800-686-8324  
www.zanestate.edu



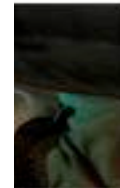
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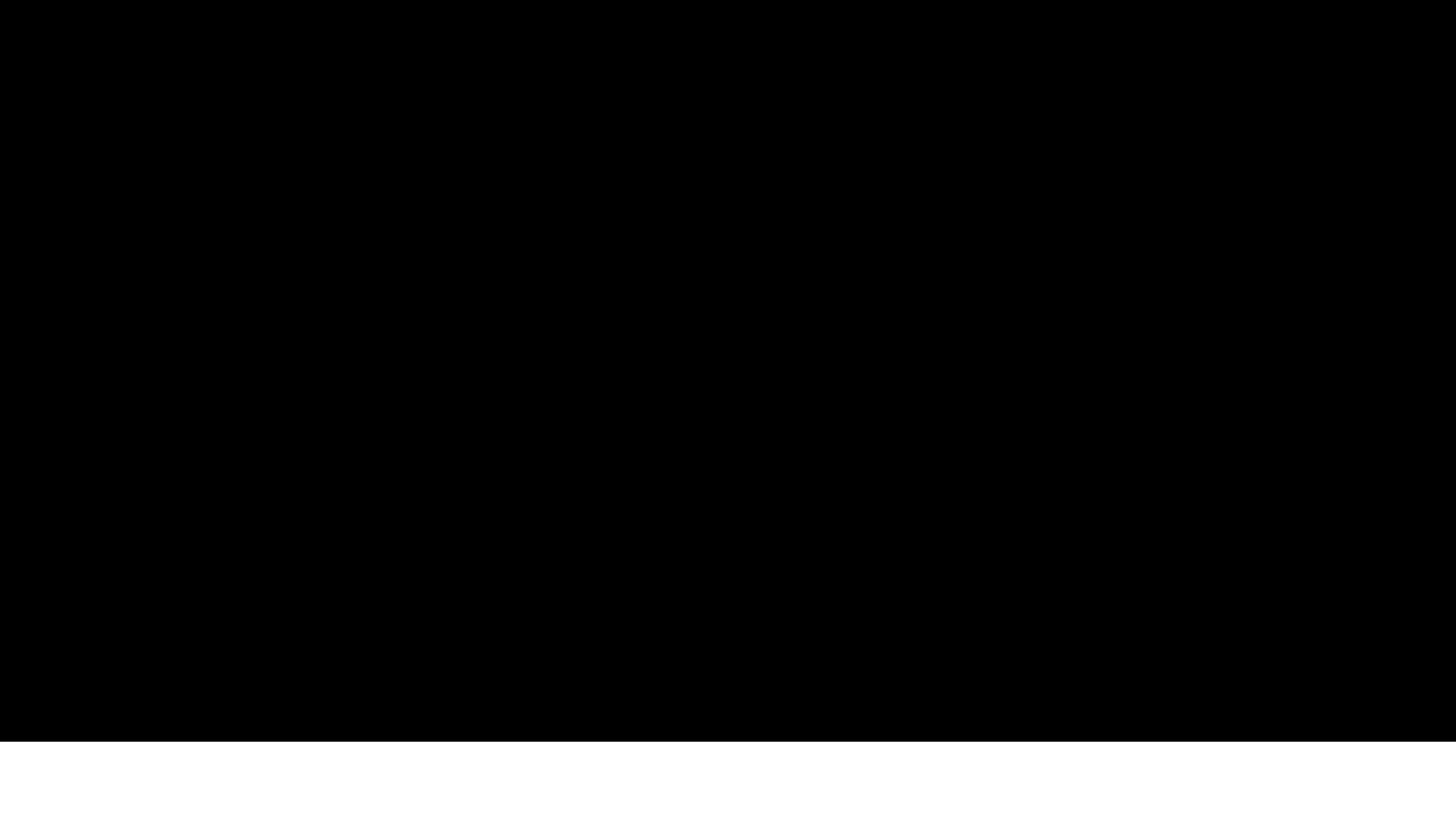
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# Does Education Always Work . . . NO!



**YOU CAN'T FIX  
STUPID**



# Actual Email

-----Original Message-----

Subject: RE: High pollution levels found near Ohio gas wells

You know part of the noxious fume problem at well sites are gasses put off by a nervous **Bigfoot**. It's true... Researchers have determined as well sites multiply it pushes the communities of **Bigfoot** into tighter and tighter groups. These communal groups, generally no more than four to six, become more nervous and tense at being discovered and begin to emit a higher level of noxious fumes, much like a skunk, which typically repel humans from investigating and thus discovering them.

# Good News . . . We Found Big Foot!



Sometimes there are just no words to say



# Back to Reality



The Average American Uses 3 Gallons of These Refined Petroleum and Manufactured Products Every Day!



**7 out of Every Ten Homes Uses Natural Gas As Its Primary Heating and Cooking Source!**

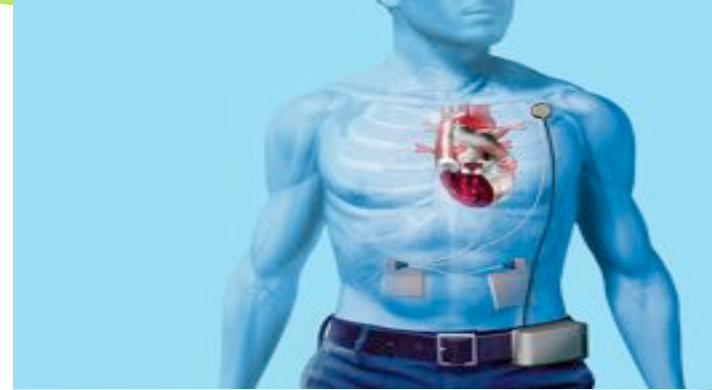




# Refined Petroleum/ Manufactured Products Keep Communities Safe!



# Refined Petroleum/ Manufactured Products Make People Feel Better!





## OOGEEP touts benefits of modern energy

Oct 5, 2017 at 12:01 AM

The Ohio Oil and Gas Energy Education Program is celebrating October's National Energy Awareness Month by highlighting the benefits of petroleum-based products to the quality of life enjoyed by Ohioans.

### The COMMENT READERS' VIEWS Celebrate our oil and gas industry

October is National Energy Awareness Month. Here in Ohio, this has special significance due to enormous impact of our state's oil and natural gas industry. For more than 150 years, this industry has been a reliable economic engine moving our state forward. Even today, discussion of the industry has focused on its promising contributions to Ohio's overall prosperity. Announcements of record natural gas production, technology advances, new processing facilities - and the job opportunities they bring - are vital to our state's economic future. Also important, and often overlooked, is the positive impact the industry has on the modern quality of life we all enjoy.

## The Columbus Dispatch

### Letter: Earth is source of helpful products

Posted Apr 20, 2017 at 12:01 AM  
Updated Apr 20, 2017 at 6:58 AM

Every spring, Earth Day allows us to focus attention on the visual wonder and natural beauty of our planet. Whether it's deep blue oceans and towering ice-capped mountains halfway across the world or the green fields and rolling hills of Ohio, our planet's natural resources are vast, awe-inspiring and essential to our great accomplishments. We have improved the over planet. Crude oil and natural gas in developed from refining these petroleum-based products like aspirin, shampoo, shoes, cleaning products and just a few examples of petroleum-based products.

**CantonRep.com**  
CANTON, OHIO

### Letter to the Editor: Gas, oil industry helps provide vital products for our lives

Posted Oct 16, 2017 at 9:00 AM

October is National Energy Awareness Month. Here in Ohio, this has special significance due to enormous impact of our state's oil and natural gas industry. For more than 150 years, this industry has been a reliable economic engine moving our state forward. Even today, discussion of the industry has focused on its promising contributions to Ohio's overall prosperity. Announcements of record natural gas production, technology advances, new processing facilities - and the job opportunities they bring - are vital to our state's economic future. Also important, and often overlooked, is the positive impact the industry has on the modern quality of life we all enjoy.

## Herald-Star

### Energy industry has many positives

To the editor:

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### Letter: Enjoying the necessities of modern life

Posted Oct 11, 2017 at 11:16 AM

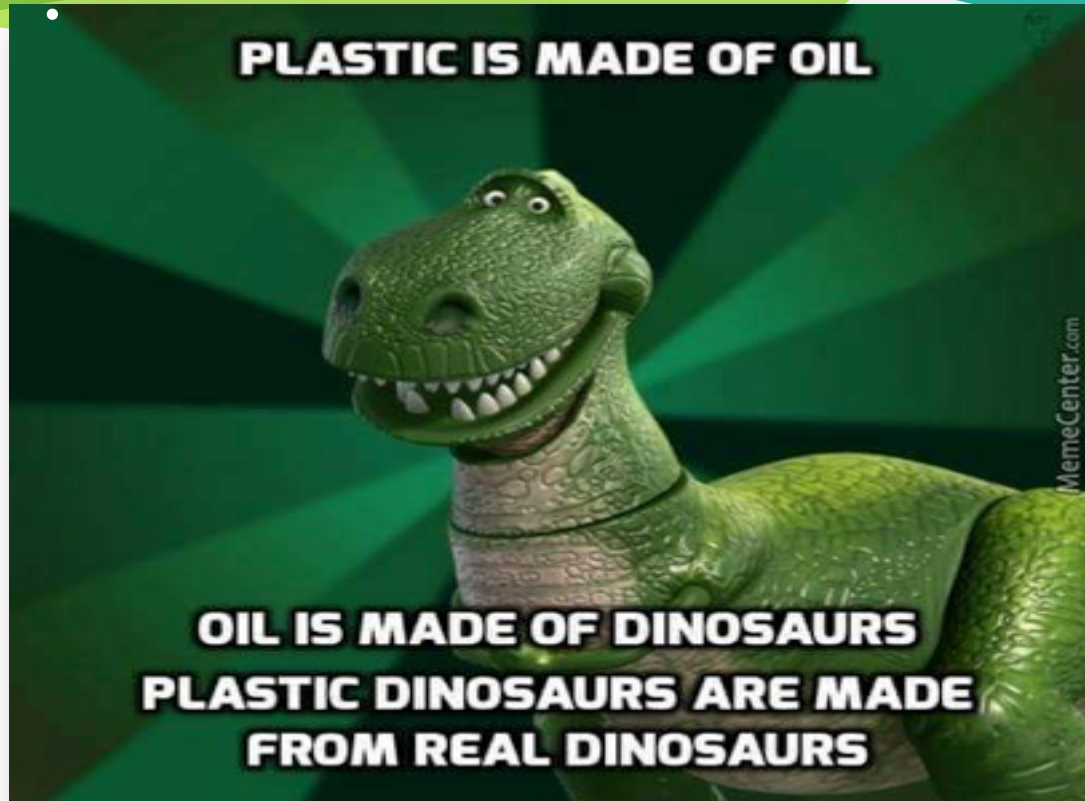
October is National Energy Awareness Month. Here in Ohio, this has special significance due to enormous impact of our state's oil and natural gas industry. For over 150 years, this industry has been a reliable economic engine moving our state forward. Even today, discussion of the industry has focused on its promising contributions to Ohio's overall prosperity. Announcements of record natural gas production, technology advances, new processing facilities - and the job opportunities they bring - are vital to our state's economic future.

Also important, and often overlooked, is the positive impact the industry has on the modern quality of life we all enjoy.

# Worldwide Energy/ Manufacturing Footprint



## Final Thought to Ponder . . . . .



# Questions??



**Rhonda Reda, Executive Director  
Ohio Oil and Gas Energy Education  
Program**

[rreda@oogEEP.org](mailto:rreda@oogEEP.org)

[oogEEP.org](http://oogEEP.org)

[ohioenergyproud.org](http://ohioenergyproud.org)

[facebook.com/OOGEEP](https://facebook.com/OOGEEP)

YouTube: OOGEEP1