2018 Funding Changes/ Complications

**Assessment Reduction:**
1. Natural Gas (50% decrease from $0.01 (one cent) to $0.005 (half cent) per gross Mcf.
2. Crude Oil: $0.05 per gross barrel (including condensate).

**Collection Options:**
1. Conventional Producers (remains with First Purchaser of Natural Gas and Crude Oil).
2. Horizontal Producers (either first purchaser or approved direct producer pay).
Guest Speaker and Community Outreach Programs

Economic Impact Studies

Communications, Media Relations, Social Media and Industry Promotion

K – 12 STEM Education Programs & Teacher Workshops

Workforce & Career Development

Industry Safety and Firefighter Training

Scholarships, Science Fair & Scouting Programs

Communications, Media Relations, Social Media and Industry Promotion

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An "Unusual" Oil and Gas Commercial
How Do We Really Explain Our Entire Industry in One Paragraph . . . because sometimes that is all you get!

It is commonly thought that traxilene originated from hoagie shleps. Through time hoagie shleps was transformed by gluttux and bertonning into traxilene. As the hoagie shleps changed into traxilene, it shnuckeled through hebbed sobs to the earth’s surface. Sometimes traxilene is trapped by non-hebbed sobs called a doxel. It is these underground doxels that are sought by the traxilene industry using mertil technology. Certain glacktics of traxilene help scientists understand how to get to it. Then the traxilene is stuttled so that it can be used for a variety of purposes.

**Questions**
1. What is traxilene made from?
2. How does it get to the earth’s surface?
It is commonly known that crude oil and natural gas originated from biotic material. Through time biotic material was transformed by heat and pressure into natural gas and crude oil. As the biotic material changed into natural gas and crude oil, it migrated through porous rock to the earth’s surface. Sometimes it is trapped by non-porous rock called a “trap”. It is these underground traps that are sought by the oil and gas industry using seismic technology. Certain properties of natural gas and crude oil help scientists understand how to get to it. Then the natural gas and crude oil is then processed or refined so that it can be used for a variety of purposes.
Teacher Programs
What Was A Key Factor For Creating An Energy Education Program?

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.
   a. Below TABLE SALT write MINERALS.
   b. Outline three or four nodules on the seafloor on the study print.
   c. 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.
   a. Below RESOURCES write ORES.
   b. 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.
   a. Below ORES write SAND, PEBBLES.
   b. 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.
   a. 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.
Upcoming 2019 Summer Teacher Workshops

Brochures available at SOOGA Table
Please engage your teachers/schools!
Over 3,000 Teachers from all 88 Ohio Counties and 3 Other States

STEM Teacher Workshops

STEM LESSONS IN OIL AND GAS ENERGY EDUCATION
Geology Teacher Workshops

GEOL OGY WORKSHOP CURRICULUM
LESSONS DEVELOPED FOR OHIO SCIENCE STANDARDS

OHIO OIL AND GAS ENERGY EDUCATION PROGRAM
PO. Box 167, Grovetown, Ohio 43026
(740) 587-0410 www.oogeep.org
“New” Geology and STEM Technology Activity
2019 Pipeline Award:
Craig Whitaker, Perry High School
Past OOGEEP “Pipeline” Award Recipients

(2018: OOGEEP Industry Safety Training)
Marty Miller, Alliance Petroleum Corporation

(2017: OOGEEP Boy Scout Project)
Tim McNutt, Dominion

(2016: OOGEEP Workforce Development/ Economic Impact Studies)
Dr. Robert Chase, Retired Marietta College

(2015: OOGEEP Firefighter Training)
Chief Brent Gates, New Concord Fire Department

(2014: OOGEEP STEM Teacher Workshops)
Jane Hunt, Environmental Science Teacher
Upper Arlington High School

(2013: Communications/ Media Relations)
Judie Perkowski, Reporter
The Daily & Sunday Jeffersonian
and Ohio Gas & Oil Magazine
Scouting, Science Fair & Youth Programs
State Science Fair
(partnership with the Ohio Academy of Science/The Ohio State University)

- Overall 250 Winners
- 49 Ohio Counties
- 1150 Ohio Schools
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 . . .
Penn & Teller: “Dihydrogen Monoxide”

Penn And Teller Get Hippies To Sign Water Banning Petition
Community Events/
Trade Shows/ Public Presentations
Trade Shows & Special Community Events
Public Presentations
“Rock’n in Ohio”

Bring your family and friends!
Promote to your co-workers and employees!

Washington County Fair
Saturday, August 31, 2019
Firefighter/ Emergency Response and Industry Safety Training
Firefighter/ Emergency Response Training

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

Brochures available at SOOGA Table
Please engage your local fire departments!
Specialized Industry Safety Training

SAVE THE DATE:
May 16 – 17, 2019
OSHA 10 Certification
(replacing IADC Rig Pass Safeland USA)
Information will be available soon. Will be asking SOOGA to help distribute to their membership
Scholarships
Scholarships

• 65 Scholarships to be Awarded in May 2019
• Overall 400 Scholarships
• 46 Different Colleges, Universities or Technical Institutes
• 54 Different Ohio Counties
• Students Representing 9 States
• 41 Different Majors
Workforce/ Career Development
Career Opportunities

Career Opportunities

Administrative Executive Assistant
Attorney
Automation Technician
Business Analyst
Business Development
Chemical Engineer/Chemist
Chief Financial Officer
Civil Engineer
Community Relations
Computations Engineer
Compliance Supervisor/Supervisor
Construction Coordinator
Construction Technician
Controller
Data Analyst
Dentist/Surgeon
Development Analyst
Diesel Mechanic
Division Order Analyst
Drilling Engineer
Drilling Superintendent/Supervisor
Drilling Technician
Electrical Engineer
Electronic Technician
Engineering Technician
Engineer
Environmental Engineer
Environmental, Health, & Safety Advisor
Environmental, Health, & Safety Field Coordinator
Equipment Operator
Field Engineer - Land/Project
Field Engineer - Offshore/Wellhead
Field Operations Coordinator
Field Operator
Financial Analyst
Fluoride
Geologist
Geophysicist
Geoscientist Technician
Government Affairs
Human Resources Director
Instrumentation & Electrical (IE) Technician
JIB Accountant
Land Lease and Rental Analyst
Land Lease Coordinator
Land Lease Recorder
Land Mapping Technician
Landman (Land/Lease Negotiator)
Landowner Relations
Lease Operator (Well Site/Field Pumper)
Maintenance/Engineering Technician
Mechanical Engineer
 Mud Engineer
Mud Logger
MWD Engineer (Measurement While Drilling)
Natural Gas Balancing Analyst
Natural Gas Buyer
Natural Gas Risk Analyst
Natural Gas Sales Representative
Natural Gas Scheduler
Natural Gas Trainer
Office Coordinator
Petroleum Engineer
Plant Coordinator
Procurement Manager
Production Assistant
Production Engineer
Production Technician
Public Affairs
Regulatory Analyst
Reservoir Engineer
Reservoir Accountant
Risk Analyst
Surveyor
Technical Services Maintenance Coordinator
Technicians
Truck Driver (CDL)
Water System Engineer
Weather Forecaster
Welder
Welder Helper
Welder/ Pipefitter

For more information about each career, including their description, minimum education requirements, and lists of education and training opportunities, please visit www.oogep.org/career/workforce/careers.
**WEATHER FORECASTER**
Weather Forecasters communicate weather predictions to natural gas traders, schedulers, buyers and sales representatives. This is an important role since natural gas consumption and price are directly affected by weather conditions.

**MINIMUM EDUCATION REQUIREMENTS**
Bachelor's Degree in Meteorology.

**JOB TITLE AND DESCRIPTION**
- Weather Forecaster

**PHOTO**
- Weather Forecasting Image

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**WELDER**
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 onsite while others work outdoors on pipeline projects, wellhead and production pad construction.

**MINIMUM EDUCATION REQUIREMENTS**
Associate Degree and specific Industry related Certifications. Apprenticeship opportunities may also be available.

**JOB TITLE AND DESCRIPTION**
- Welder

**PHOTO**
- Welding Image

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**WELDER HELPER**
Welder Helpers assist Welders in a variety of ways including preparation of welding tools, equipment and supplies for each job. They may help in cutting, trimming work pieces in preparation for cutting and/or welding.

**MINIMUM EDUCATION REQUIREMENTS**
Specific Industry related Certificate. Apprenticeship opportunities may also be available.

**JOB TITLE AND DESCRIPTION**
- Welder Helper

**PHOTO**
- Welder Helper Image

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**WORKOVER/ SERVICE RIG SUPERVISOR**
Workovers/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 inventory. 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 Completion Supervisors and other well servicing crews like wireline services, cementing services, fracturing and acidization services.

**MINIMUM EDUCATION REQUIREMENTS**
High School Diploma. Certificate or Associate Degree of engineering on the job rig training. Multiple years of oil and gas field experience will be required.

**JOB TITLE AND DESCRIPTION**
- Workover/Service Rig Supervisor

**PHOTO**
- Workover/Service Rig Image
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:

Cuyahoga Valley Career Center
8001 Brecksville Road, Brecksville, Ohio 44141
440-828-8200
www.cvcworks.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
740-495-3111 | 800-632-7545
www.mid-east12.org

Stark State College
6200 Frank Avenue NW, North Canton, Ohio 44720
330-494-4670 | 800-76-STARK
www.stark.edu

The Career Center Washington County Career Center
21740 State Route 876, Marietta, Ohio 45750
740-373-2786
www.thecareercenter.net

Wayne County Schools Career Center
518 West Prospect Street, Smithville, Ohio 44677
330-668-7070
www.waynesk12.org

Zane State College
1155 Newark Road, Zanesville, Ohio 43701
740-456-2501 | 800-686-8324
www.zane.edu
Check ALL the New Career Videos (Covers more than 75+ Oil and Gas Career Paths)
Does Education Always Work . . . NO!

YOU CAN’T FIX STUPID
Sometimes there are just no words to say...
Back to Reality: Economic and Lifestyle Benefits that Impact EVERY U.S. Citizen
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!
Worldwide Energy/ Manufacturing Footprint
PLASTIC IS MADE OF OIL

OIL IS MADE OF DINOSAURS
PLASTIC DINOSAURS ARE MADE FROM REAL DINOSAURS
Thanks for ALL your support!
Don’t Forget to Follow Us on Social Media, right?