

# PIPELINE



# SAFETY

Pipeline Safety Activities K-2nd



Know what's below.  
Call before you dig.



ONEOK



Dear Friends,

Approximately 327,000 miles of natural gas transmission pipelines, 1.8 million miles of natural gas distribution pipelines and 161,000 miles of liquid pipelines safely transport natural gas and a range of liquid petroleum products daily. Pipelines are the safest and most economical means of transportation. But like any other industry that deals with hazardous materials, there are potential risks. That is why pipeline operators go to great lengths to insure your safety through public awareness programs. Many risks can be prevented. This book is especially designed to help you become more aware of pipeline safety.

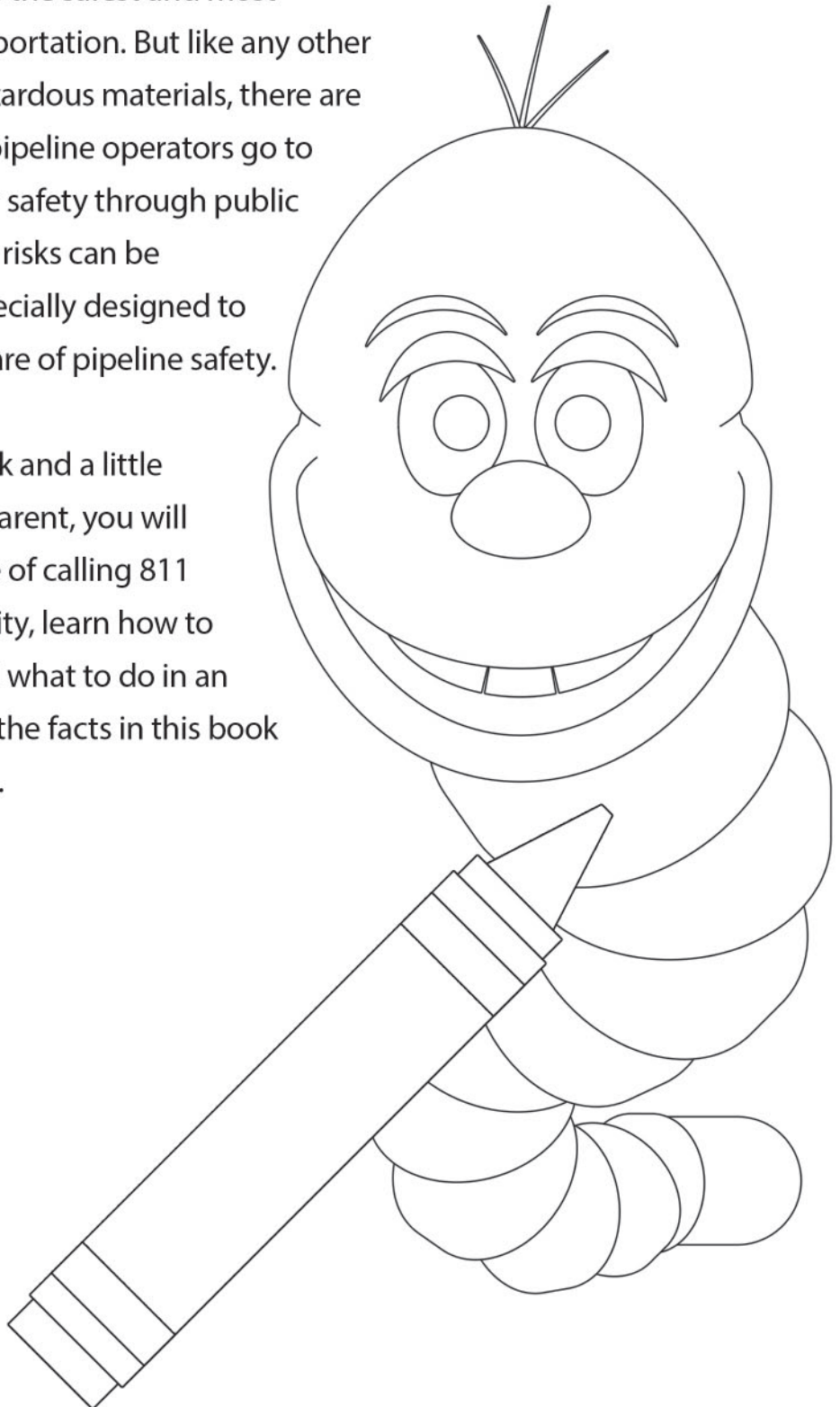
With the lessons in this book and a little help from your teacher or parent, you will understand the importance of calling 811 before any excavation activity, learn how to prevent a pipeline leak, and what to do in an emergency. Please go over the facts in this book and take the test at the end.

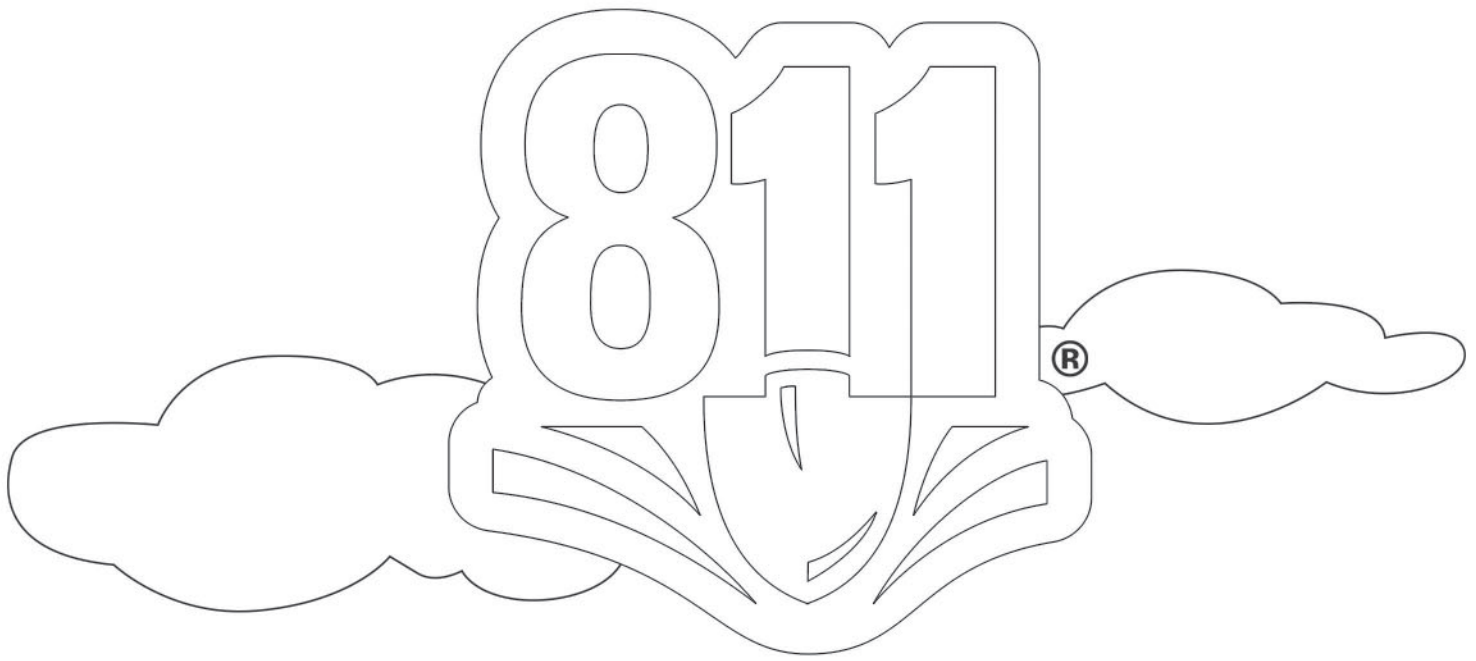
Sincerely,

**Max**

**Max**

**The Pipeline Safety Worm**





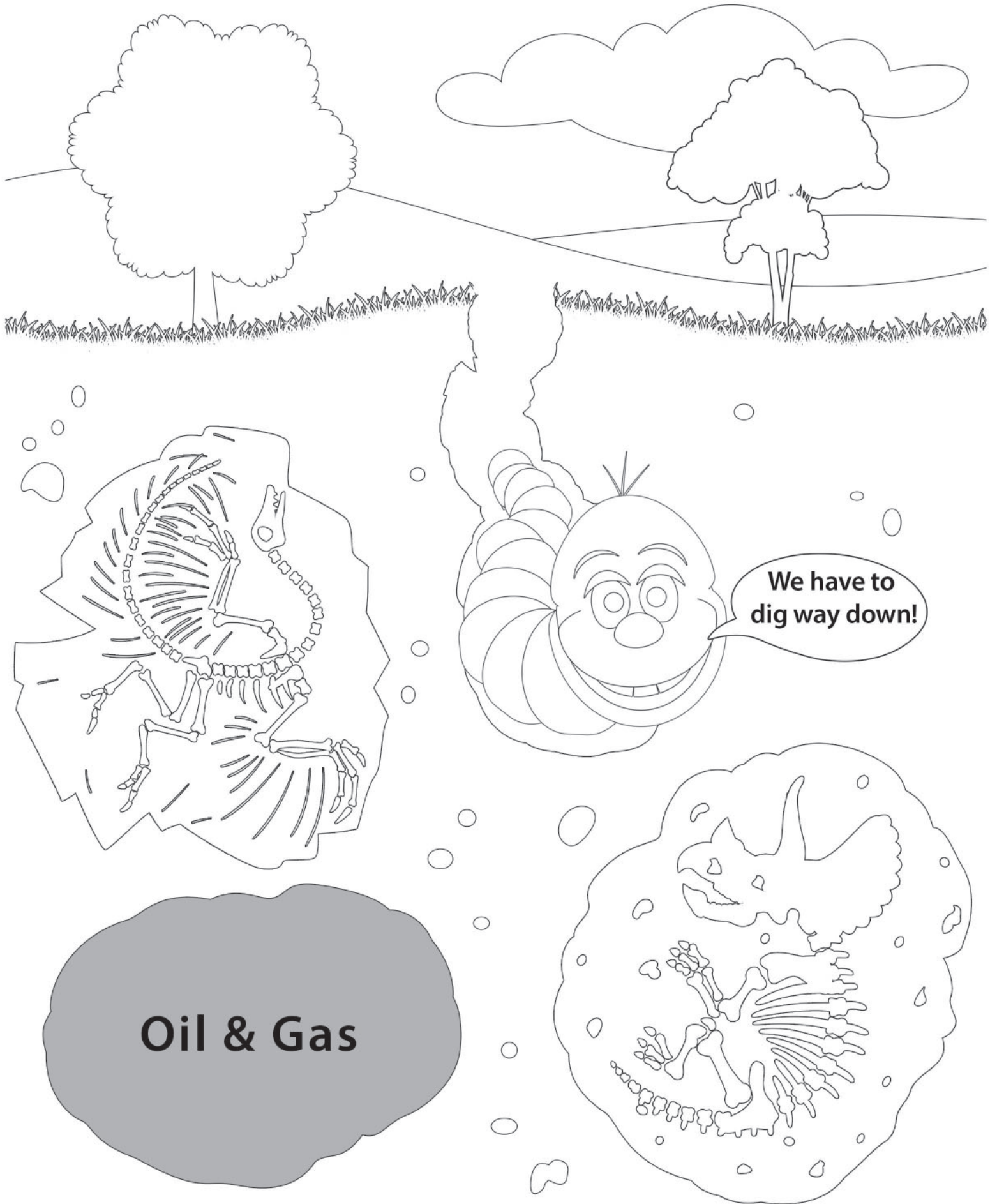
**Know what's below.  
Call before you dig.**

Pipelines are  
everywhere. That's why  
every digging job requires  
a call - even small projects  
like planting a tree.



**PIPELINE**

# Where does oil and natural gas come from?



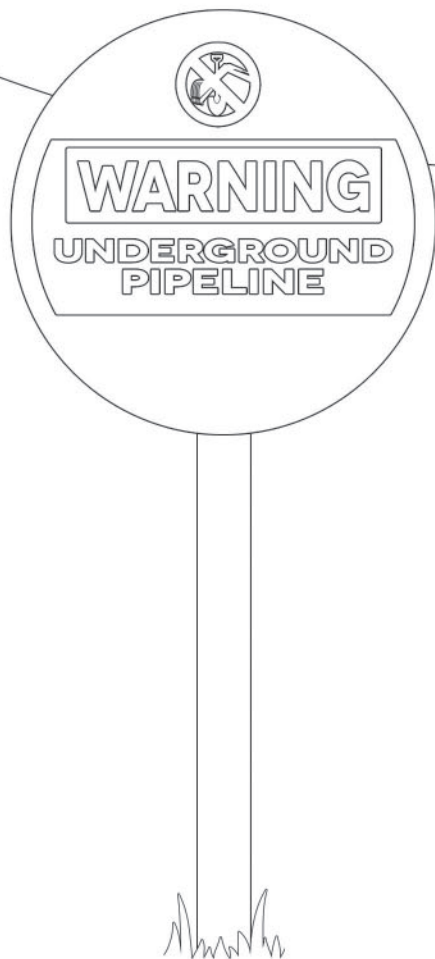




**Always  
call 811 before  
you dig**

WARNING  
- DANGER -  
DEEP

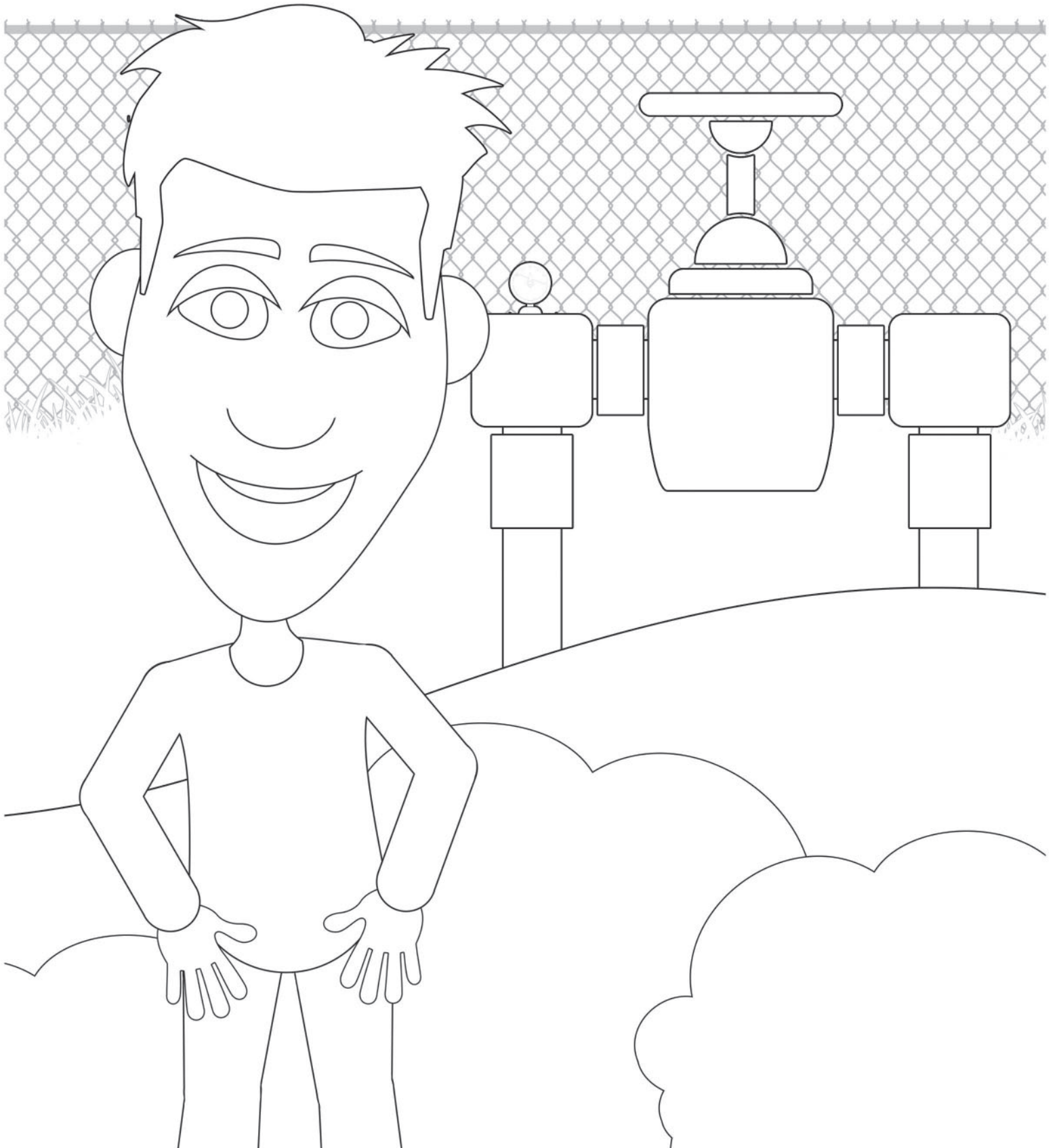




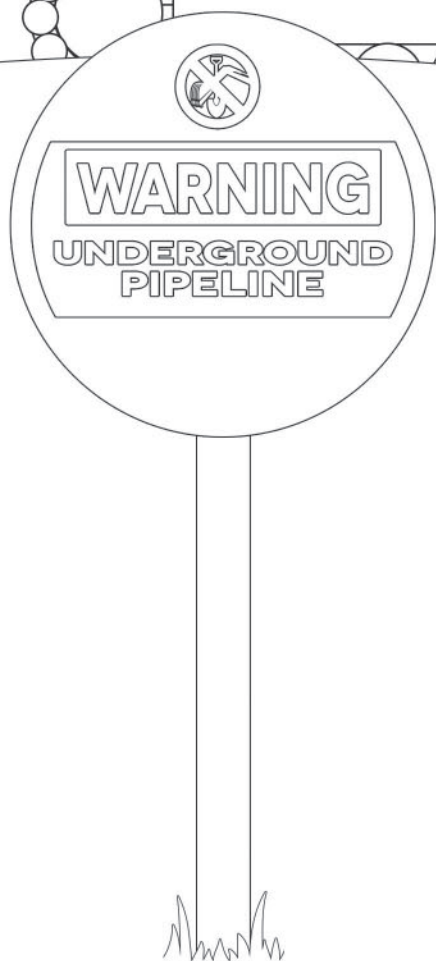
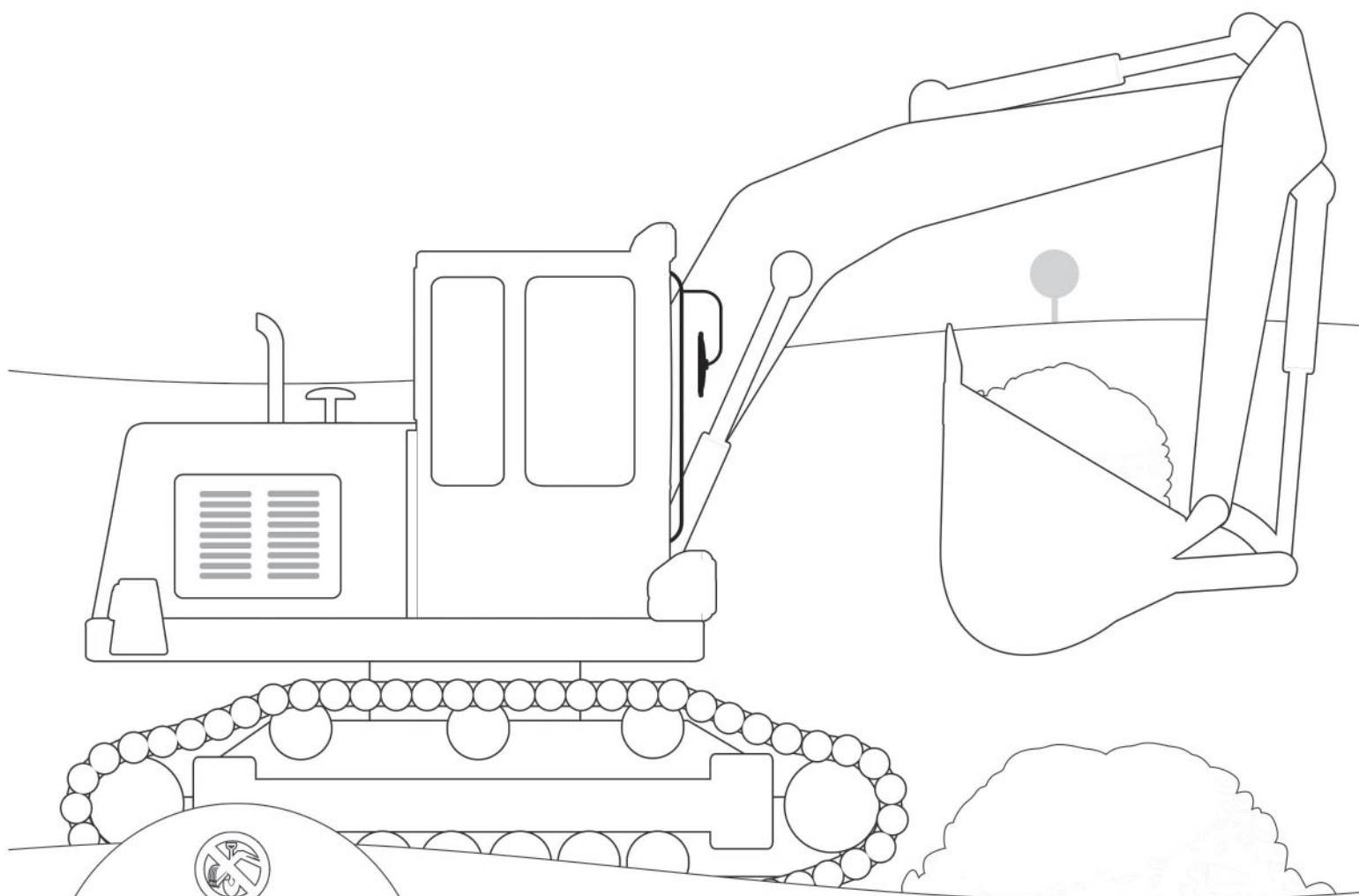
**Natural gas travels through pipelines.**



**When you see a valve in a fenced and secured area,  
it is controlling the flow of oil and natural gas.**

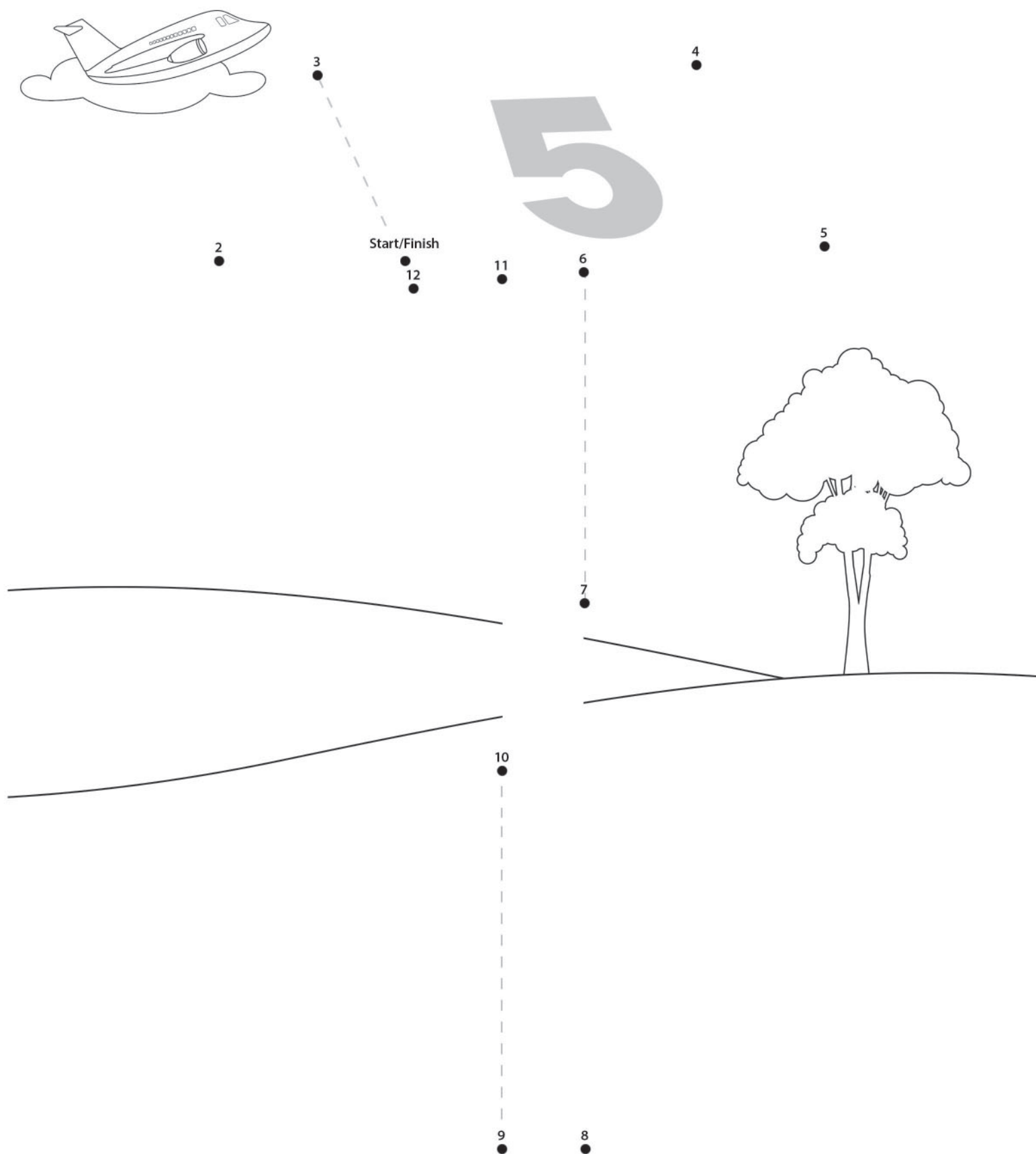




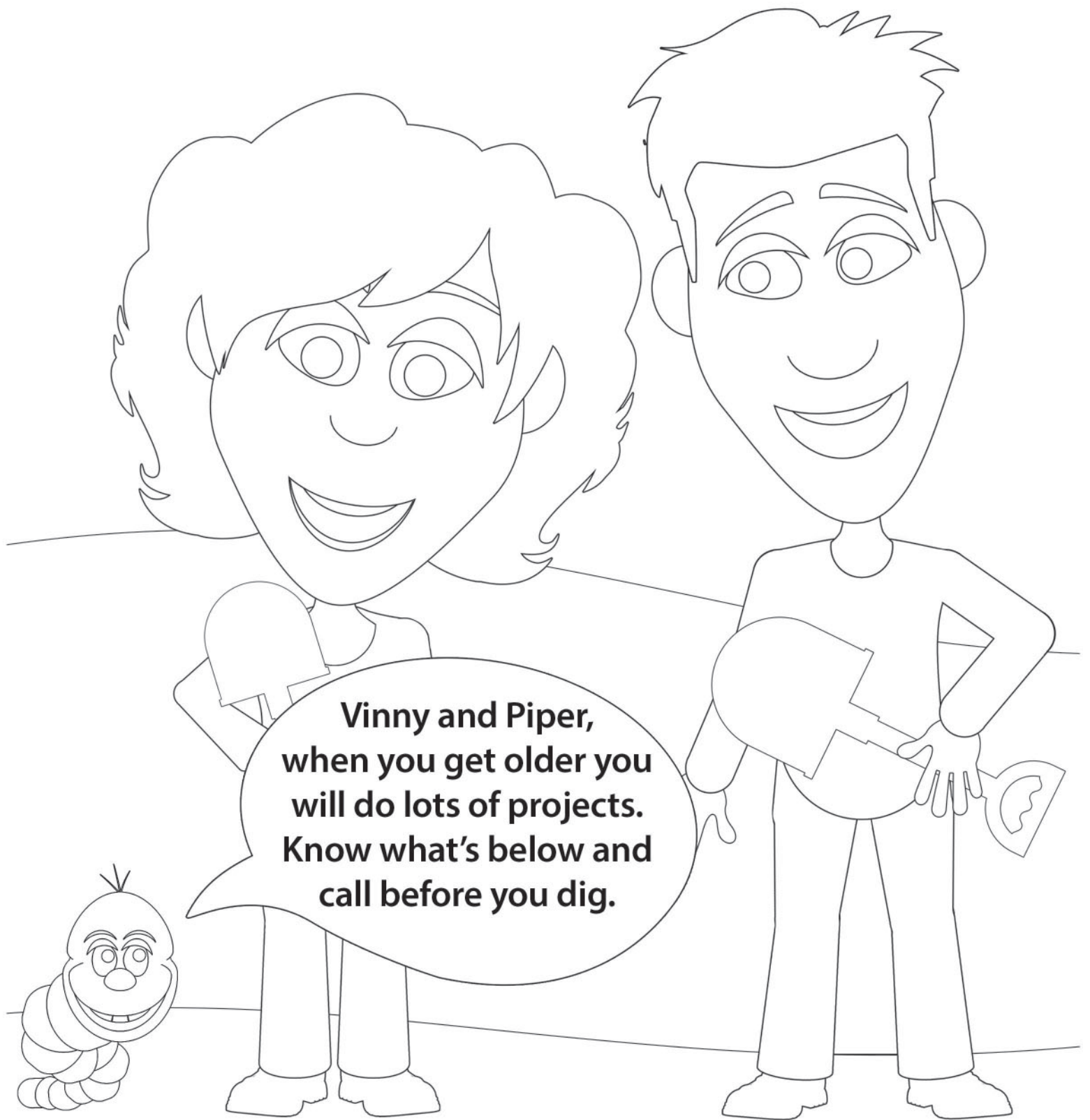


**Stop!**  
**You're not being**  
**safe. Call 811**  
**before you dig!**

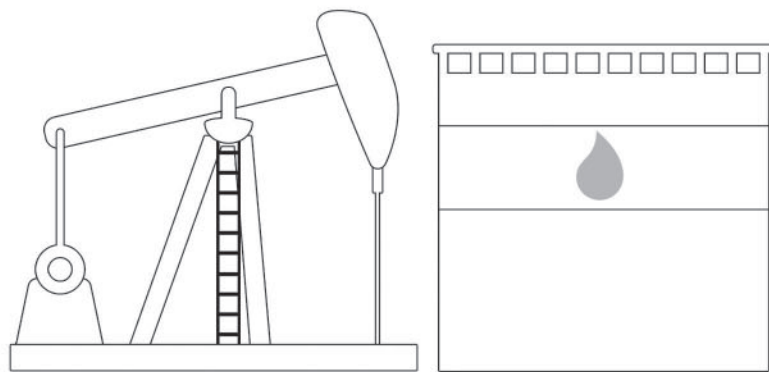
Connect the dots to show the pipeline marker that airplanes use.







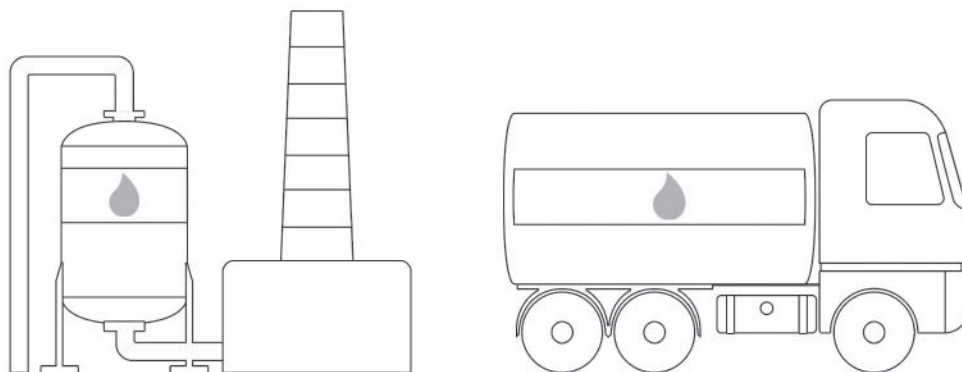
## The many travels of oil and gas.



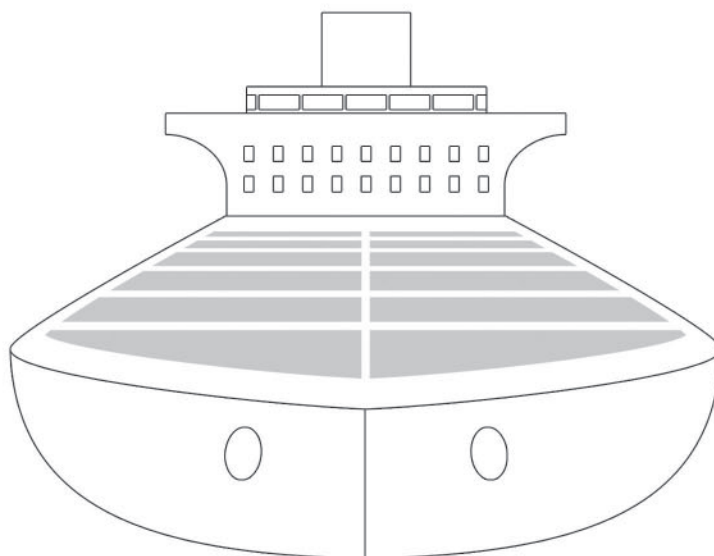
## Oil and gas travels through pipes...



## on big trucks...



## and even on boats.





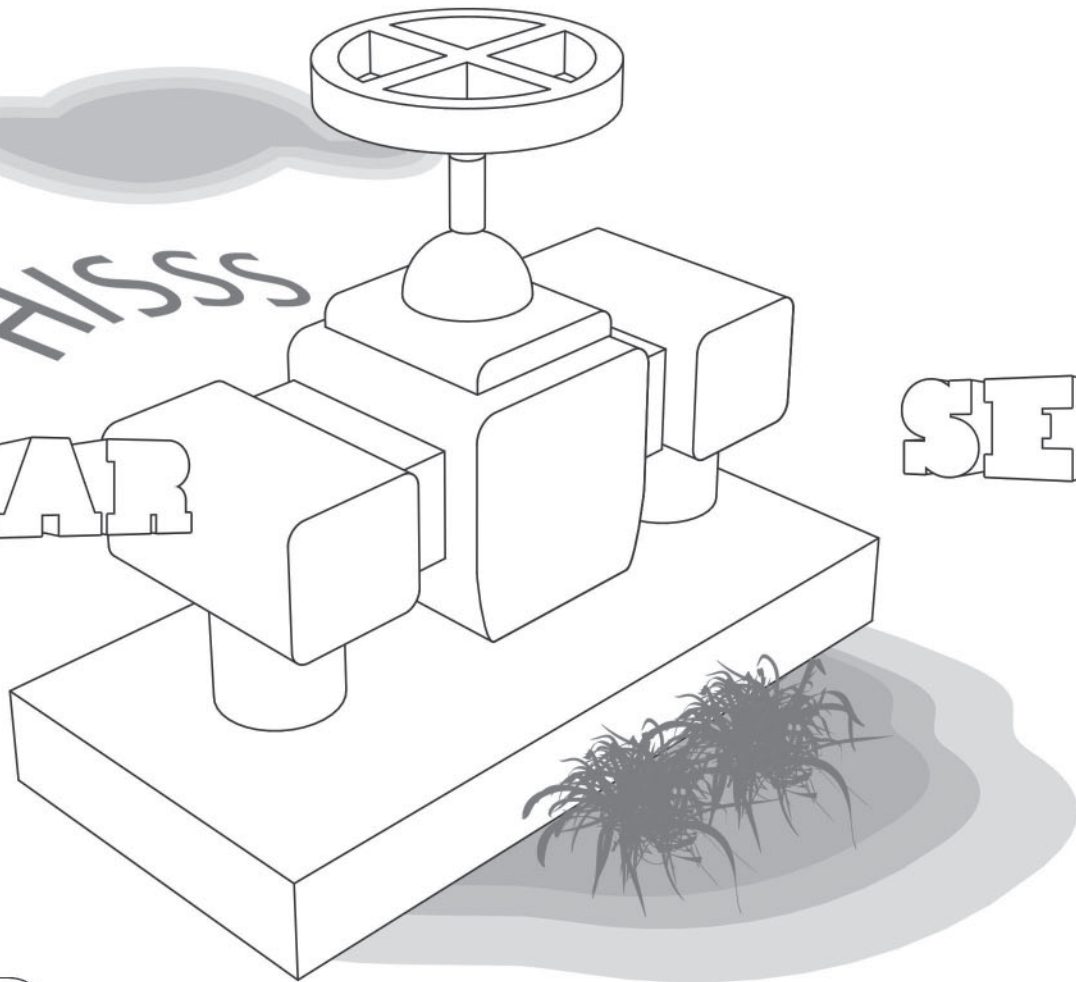
Keep safe. If you see, hear, or smell a leak.

**SMELL**

**HISSS**

**HEAR**

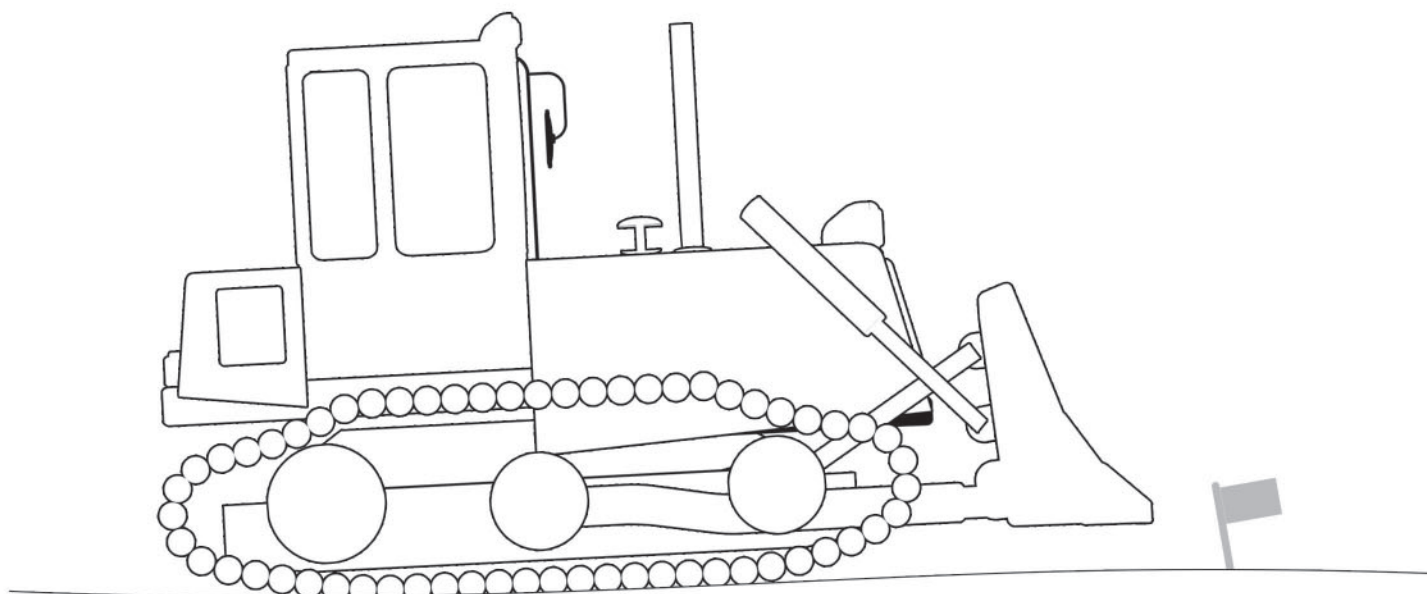
**SEE**



Leave the area...

...and call 911.







**Flags indicate  
the general location  
of a pipeline.**



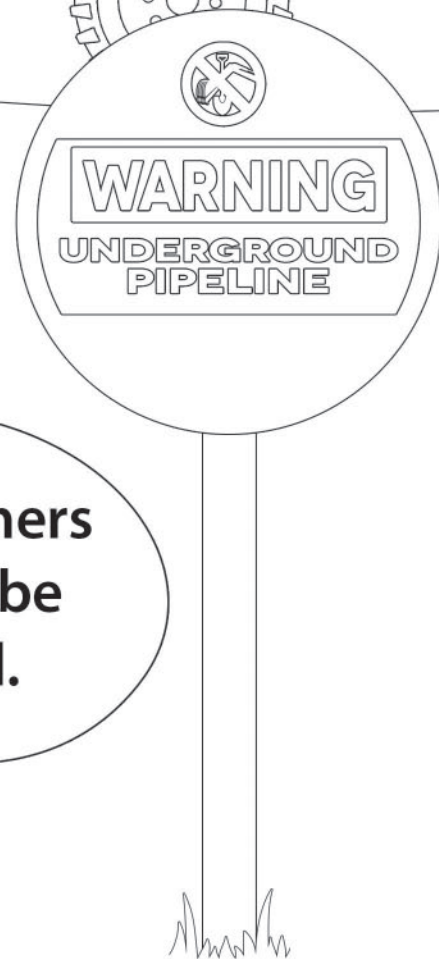
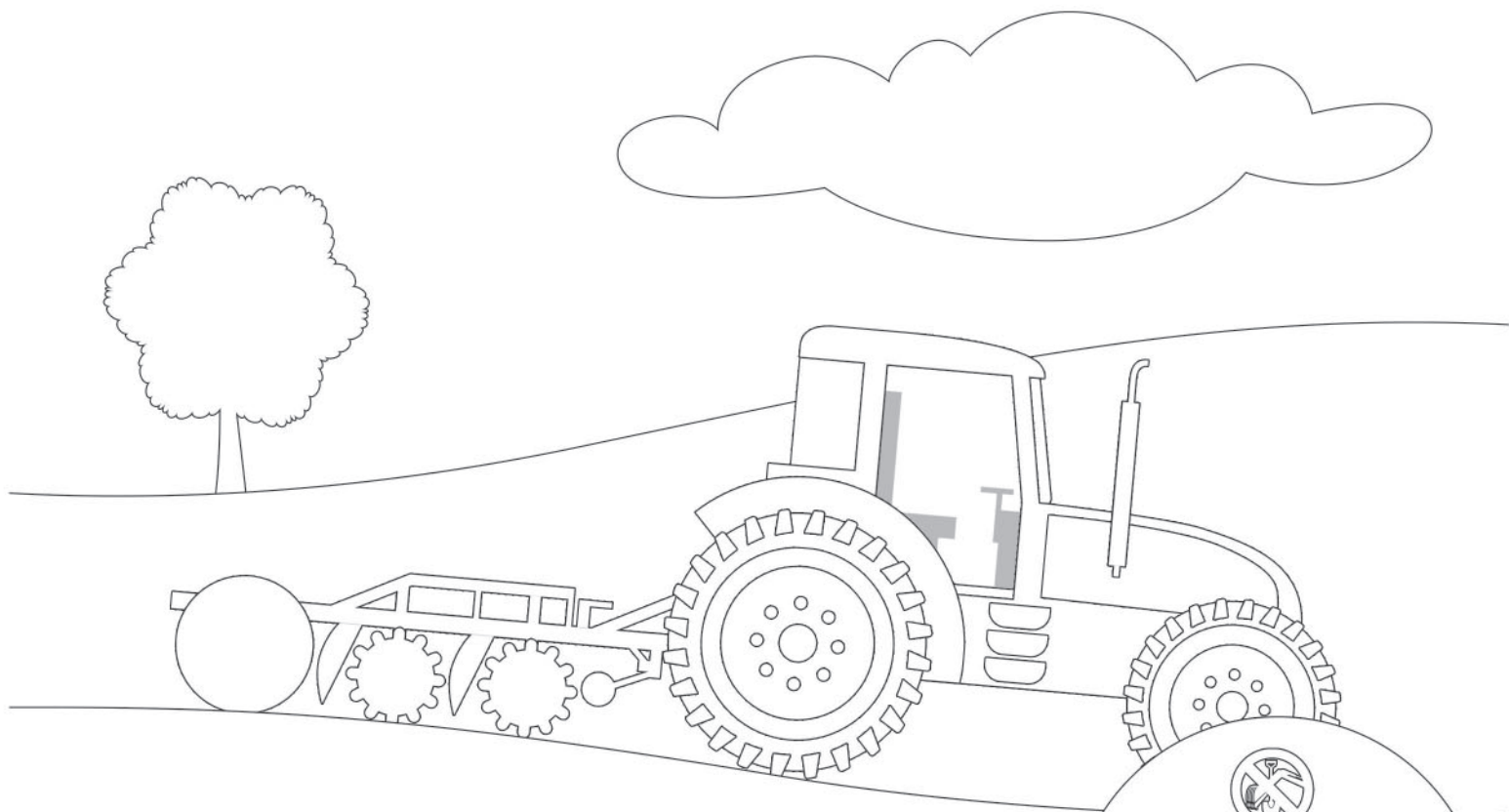
# Color by Number



- 1 Light Gray   2 Dark Gray   3 Black   4 Pink   5 White   6 Brown







**Even farmers  
need to be  
careful.**

# Test your Knowledge

How well do you know pipeline safety? All the answers can be found in this book.

- 1.) What should you do before you dig? \_\_\_\_\_
- 2.) Where does oil and natural gas come from? \_\_\_\_\_
- 3.) What does natural gas travel through? \_\_\_\_\_
- 4.) Pipelines are marked by what? \_\_\_\_\_
- 5.) Three ways you can recognize a pipeline leak are \_\_\_\_\_ ,  
\_\_\_\_\_, and \_\_\_\_\_ .
- 6.) What are two ways that oil and gas are transported?  
\_\_\_\_\_ and \_\_\_\_\_ .
- 7.) What types of digging projects require you to call first? \_\_\_\_\_ .

Possible answers:

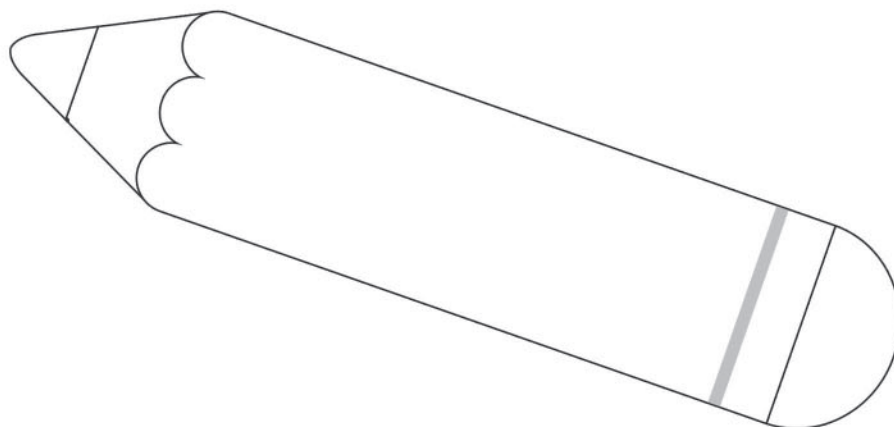
markers  
boats

seeing  
pipelines

smelling  
all

hearing  
underground

trucks  
call 811

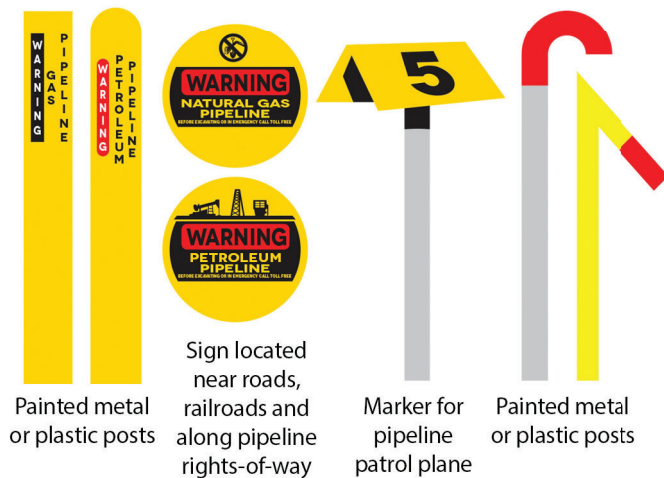




## Pipeline companies take their responsibility seriously to ensure safe and reliable operations. But everyone can make a difference in pipeline safety!

### Be aware:

- Pipelines exist almost everywhere throughout the U.S. and chances are that you may live near one.
- In most cases, you cannot see a pipeline because it runs underground. That is why pipeline markers (like the ones shown below) are so important. They are mostly yellow, black and red in color and they mark the general location of a pipeline.
- The state's one-call system should be contacted by anyone using digging equipment to prevent underground utilities from being hit during excavation.
- There are four standard types of pipelines: crude oil, liquid, natural gas, and chemical.
- Along a pipeline right-of-way, signs of a pipeline leak are: dead and discolored foliage, puddles of liquid, a cloud of vapor or mist, an unusual odor or scent, and an unusual hissing or roaring sound.



### If you think a leak has occurred:

- Leave the area immediately. Stay upwind from possible hazardous fumes.
- Do not touch, breathe or make contact with possible hazardous materials.
- Avoid all acts that could cause a spark, such as lighting a match, starting an engine, using a telephone, or switching lights on/off.
- Once out of the possible hazardous area, **call 911** or your local emergency response number and the pipeline company.
- Warn others.
- Do not drive into a possibly hazardous area.

