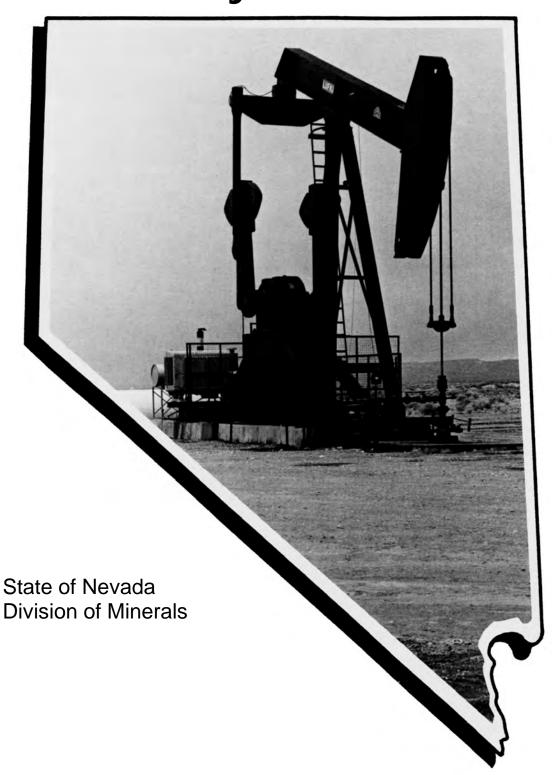
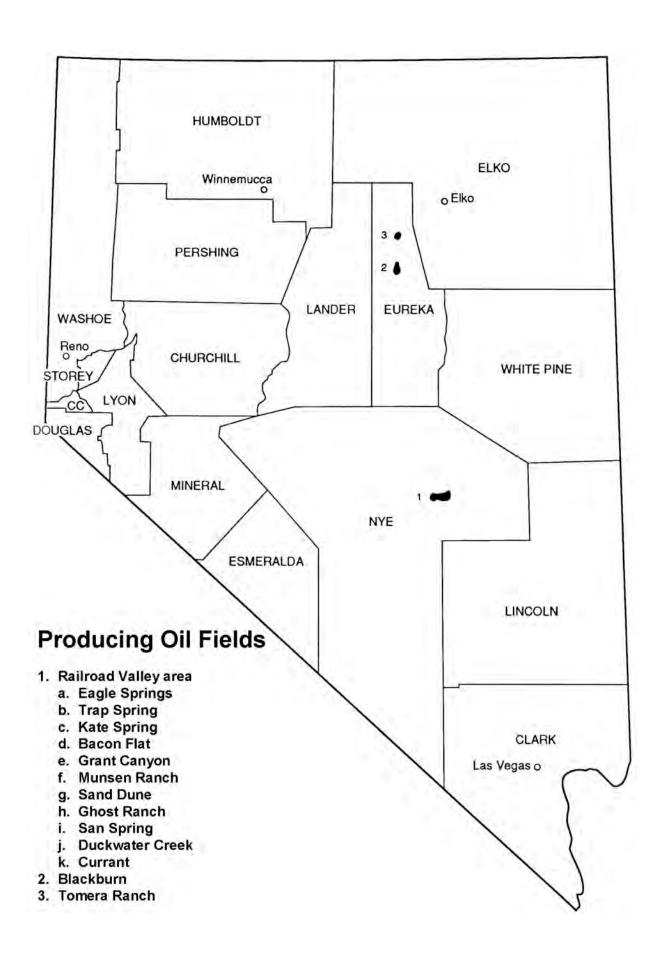
# Oil and Gas in Nevada Activity Book 2016





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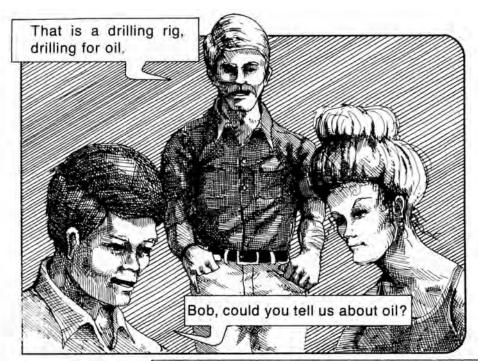
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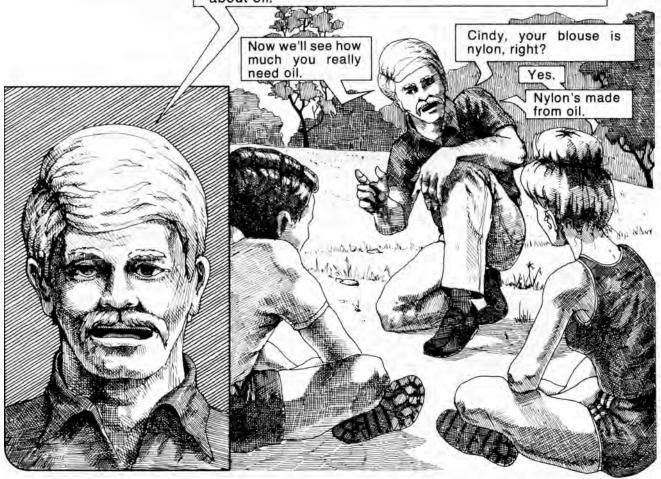
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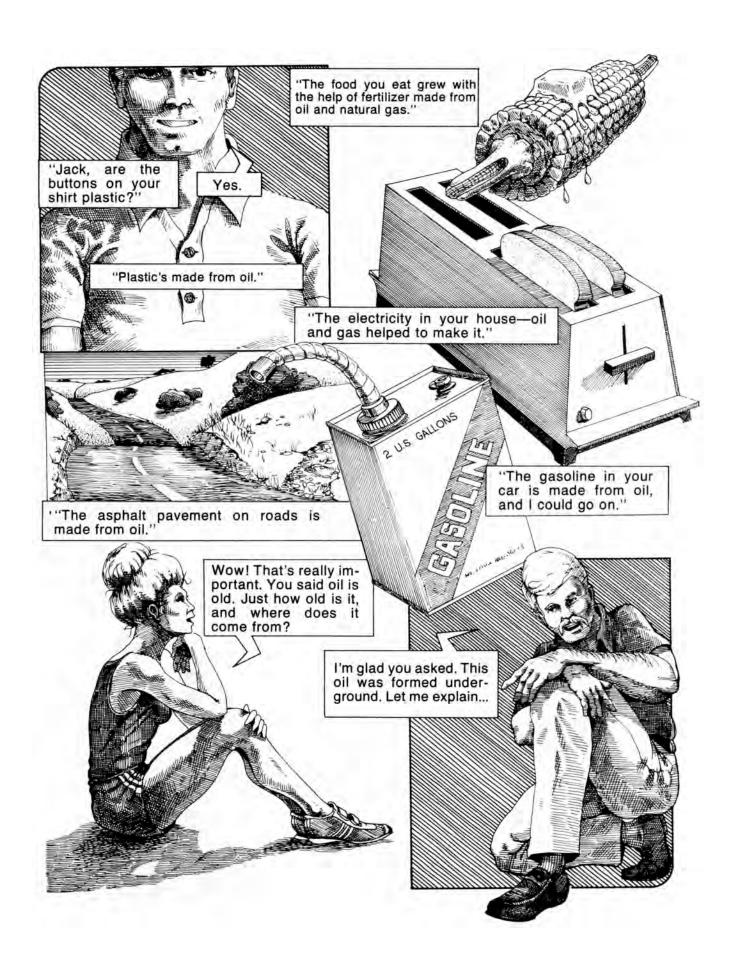
- Nevada Bureau of Mines and Geology
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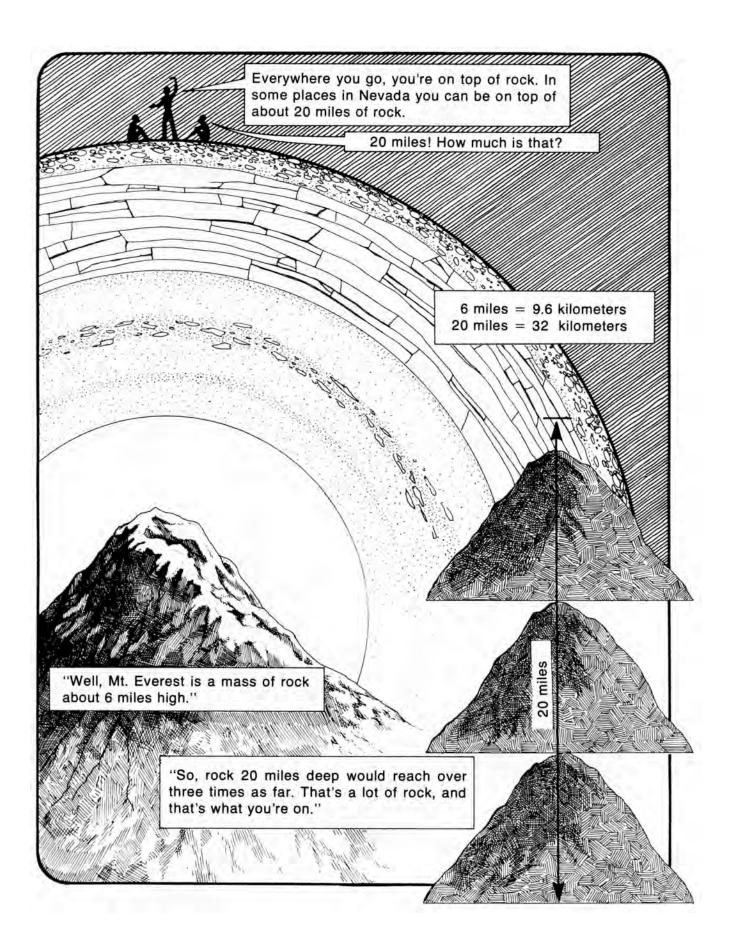
One day Bob, a geologist, and his young friends, Cindy and Jack, were driving through Railroad Valley, Nevada. As they passed a drilling rig off the road Bob asked them if they knew what it was and what it was doing? Neither Cindy nor Jack was sure and asked Bob to tell them. Bob stopped the car, they got out and Bob started to explain.

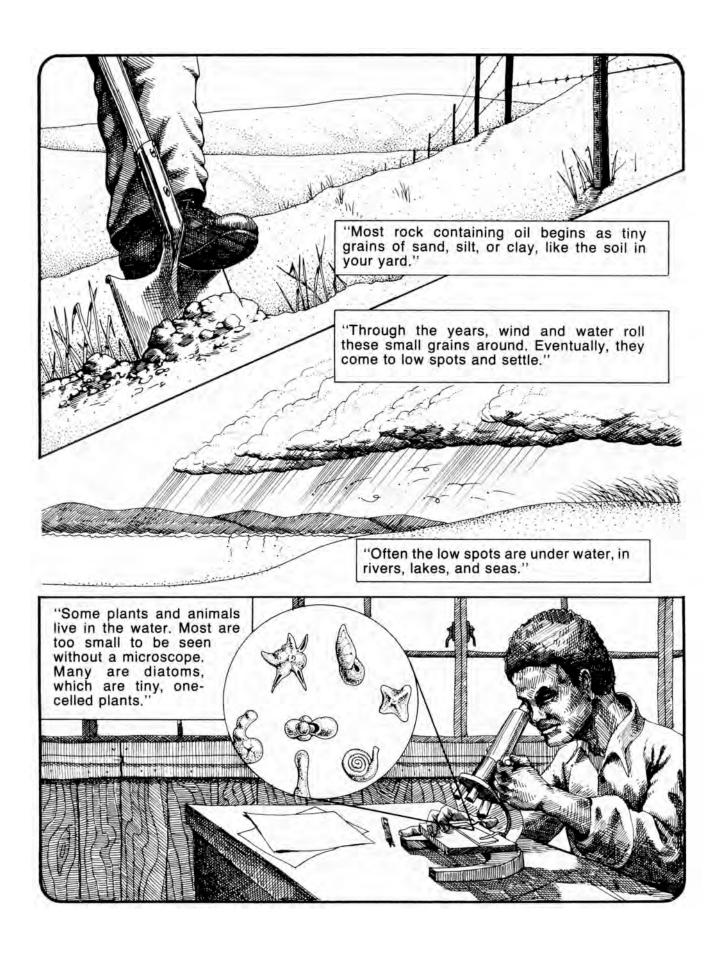


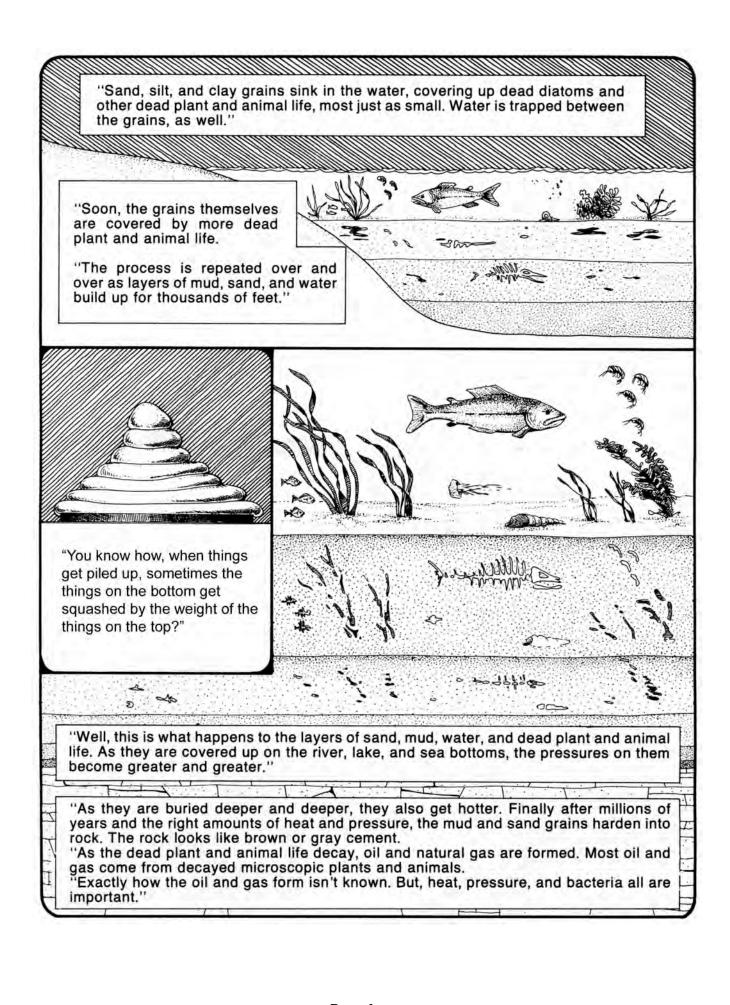
You probably don't know how important oil is to us. Here, why don't we sit down and I'll tell you and Cindy about oil.

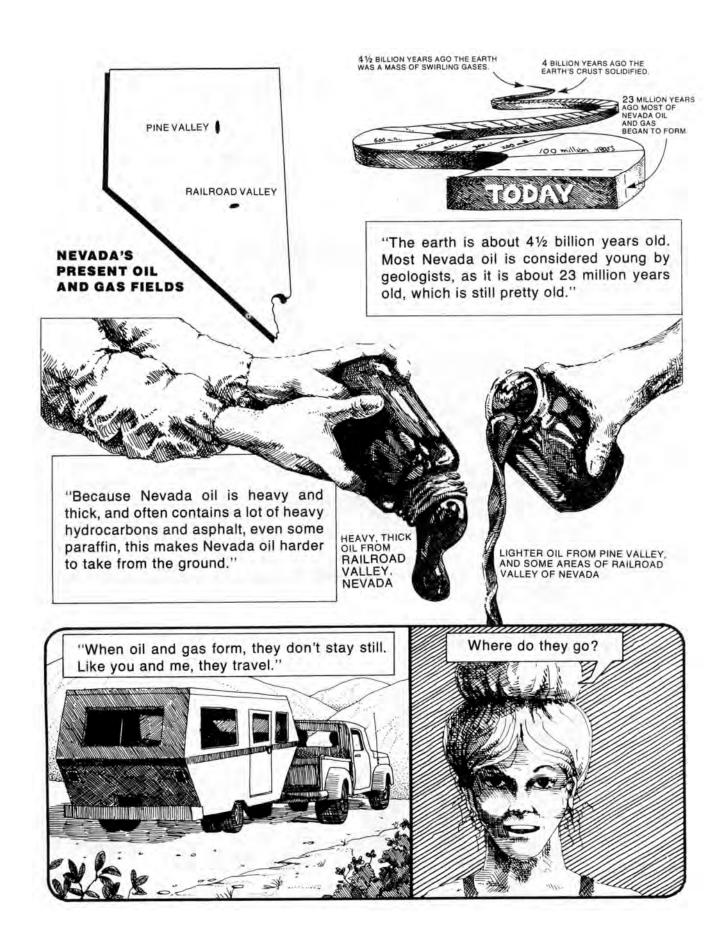


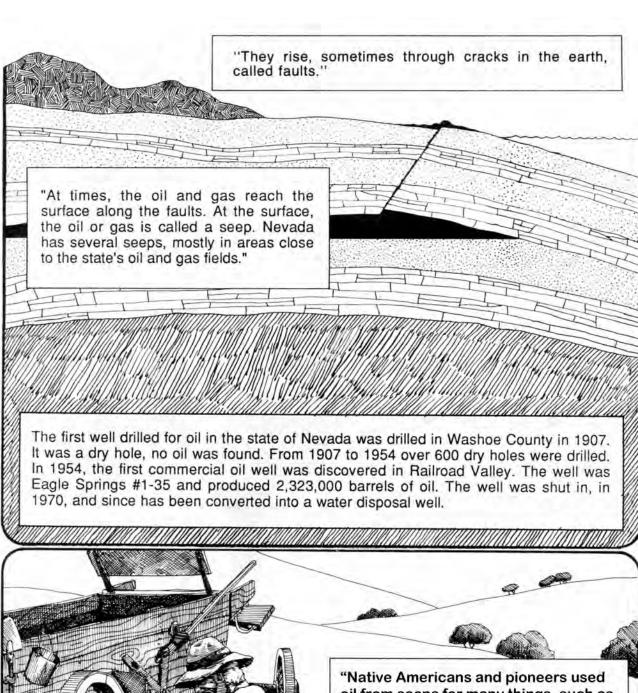




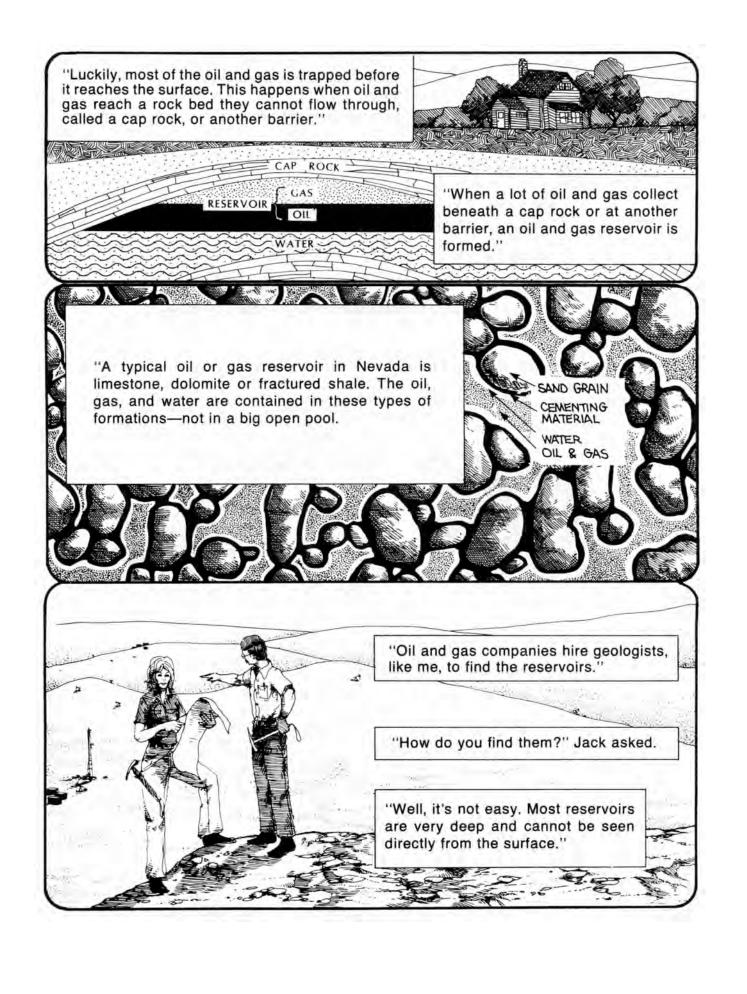


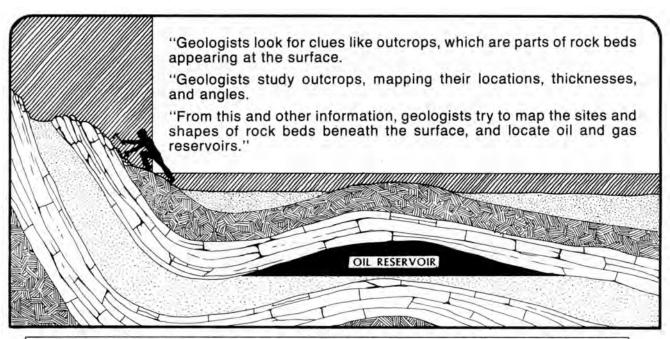




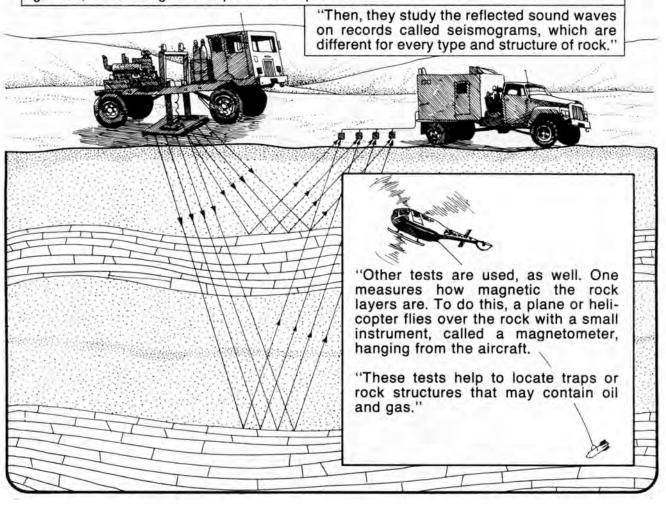


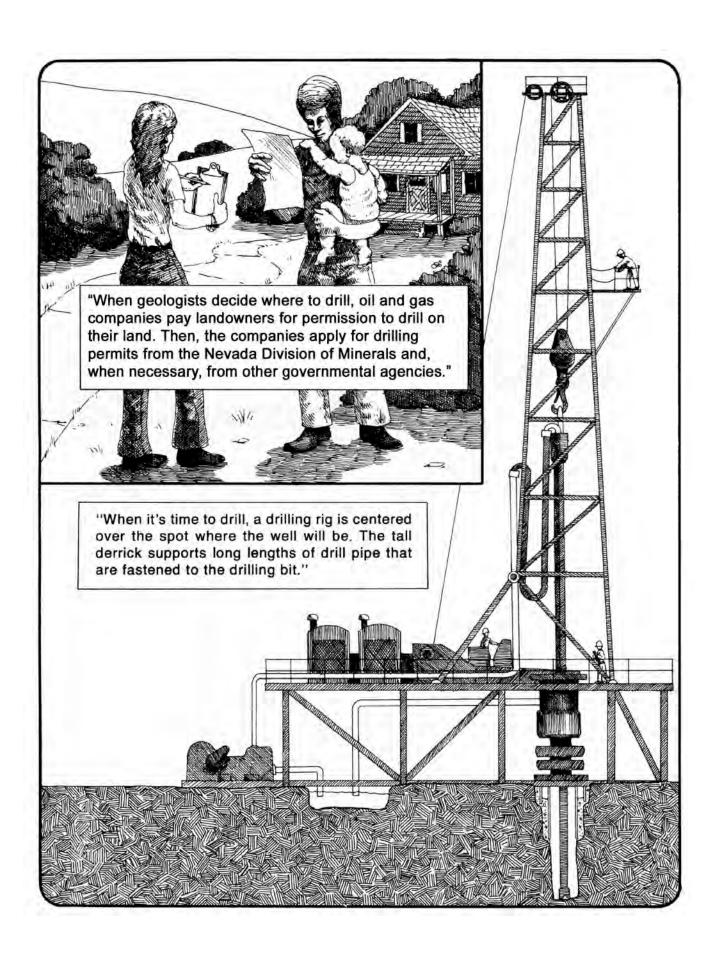


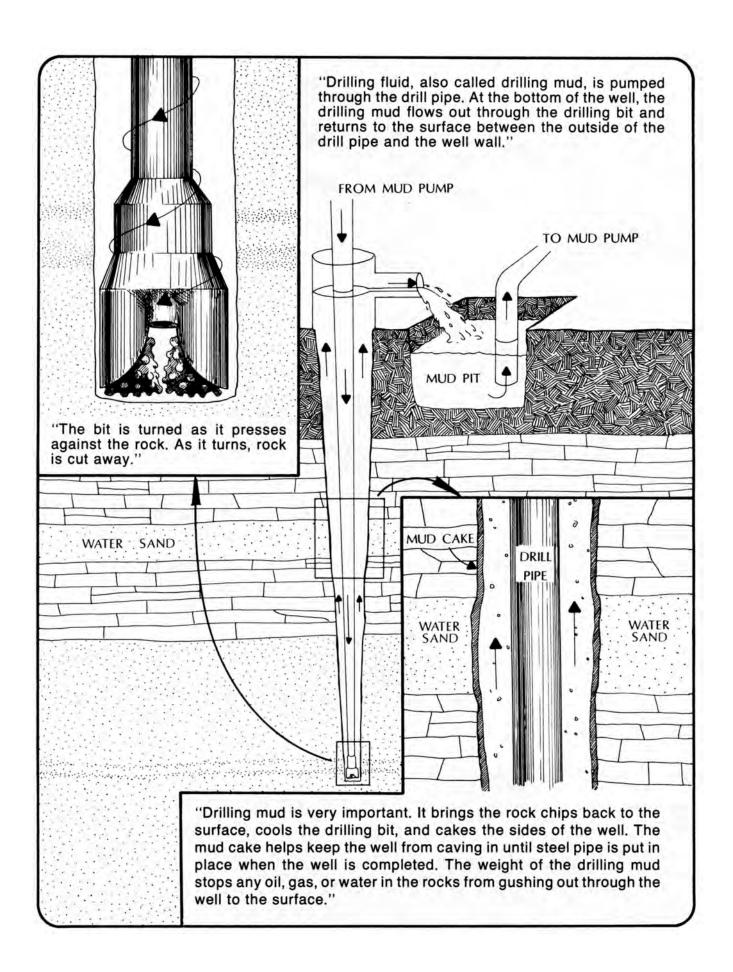


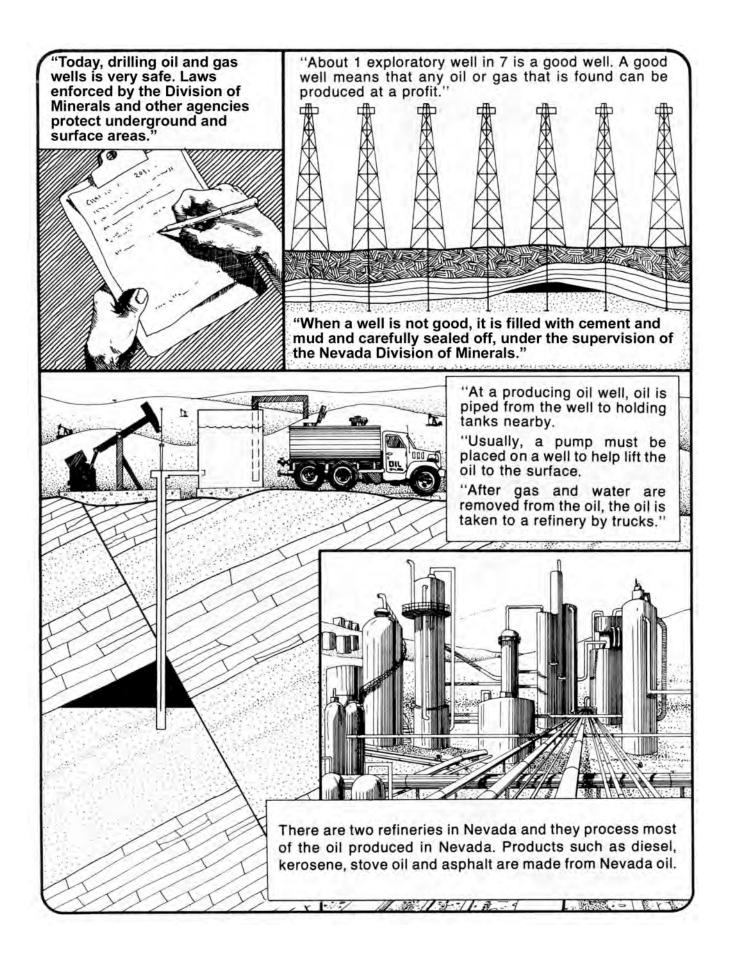


"Just as you thump on a watermelon and listen to the sound to find out whether the fruit is ripe, sometimes geologists try to learn what is inside the earth by vibrating the ground, often using a steel plate on a special truck."

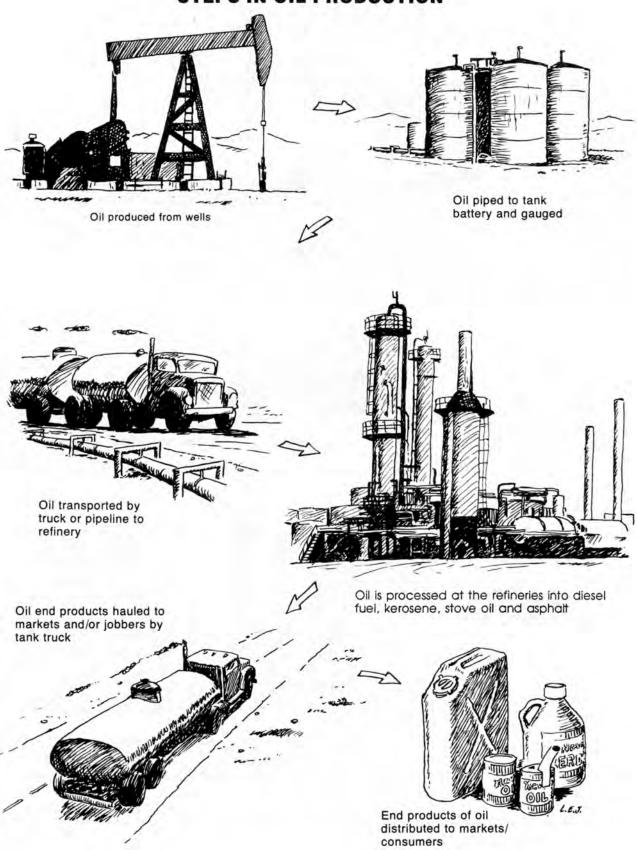








### STEPS IN OIL PRODUCTION



# Oil and Gas Crossword

1		2				3		4		5		6
								7				
8				9								
			10					11				
12					13					14		
15		16					17					
									18			
			19		20							
	21								22			
23		24		25								
								26			27	
		28					29					

#### **ACROSS**

- 1. What a car needs to run on
- 5. Drilling fluid
- 7. A hot or cold drink
- 8. A young boy
- 9. Another name for oil
- 12. It is time to \_\_\_ \_\_
- 13. What is drilled through to get to oil and gas?
- 15. Oil leaks at the surface
- 18. To mix up
- 19. Oil needed heat and \_\_ \_ \_ \_ \_ \_ \_ \_ \_ \_
- 22. Before noon time
- 23. Paving for roads
- 28. The \_\_ \_ \_ \_ is about 4½ billion years old
- 29. To find something

#### **DOWN**

- 1. People that look for outcrops
- 2. It is found on the beach
- 3. Used to heat your house
- 4. What cuts rock?
- 6. They are used to make oil wells
- 10. A mouse \_\_ \_ \_ \_
- 11. A call for help
- 14. A knock out (abrv.)
- 16. Extraterrestrial (abrv.)
- 17. A crack in the earth
- 18. Oceans are also called \_\_ \_ \_ \_ \_
- 20. A long skinny fish
- 21. Do \_\_\_ I say!
- 23. A small poisonous snake
- 24. Something good to eat
- 25. What we breathe
- 26. Company (abrv.)
- 27. It is \_\_ \_ my house

# Seek and Find

S T O N G N I R P P M Ε R A R A R Α Η  $\mathbf{C}$ T R 0  $\mathbf{C}$ S E R W O L L I W Η 0 N A  $\mathbf{C}$ Н В Α R R Α N S T O M E R A R E S  $\mathbf{O}$ G G X N Ι I O U Α N N A A U N R Α Α  $\mathbf{C}$  $\mathbf{T}$ Η S U N N  $\mathbf{C}$ P 0 Y Α T N A R G Α U S O S S R O O M U N O N  $\mathbf{C}$ N  $\mathbf{C}$ Η L W Η  $\mathbf{Z}$ Η  $\mathbf{C}$ S V P G O S T R A N Η G N  $\mathbf{C}$ E 0 S T I N O R F В O O Α D R D N Α S L N L R M P I G В L P R Α 0 I B H E P L A U S U O I Α M Α N A D 0 R E R Η В R R S P P O Y I T N N  $\mathbf{C}$ В U A O P A W A Y  $\mathbf{C}$ W K K N Z S S M Η  $\mathbf{C}$ N A N I Α R  $\mathbf{C}$ Η Η S В E R L E T S R I O G E P K E  $\mathbf{C}$ Y S K T T N R E L U Α O R A N O D M R L P R E M 0 A Q U A D E A E 0 A A U D O S K L N В K E N N S W M E T D Α Y K T E S P R R I N G S T A D F T E Α

- 1. Bacon Flat
- 2. Blackburn
- 3. Eagle Springs
- 4. Ghost Ranch
- 5. Grant Canyon
- 6. Kate Spring

- 7. Munson Ranch
- 8. Ghost Ranch
- 9. Sand Dune
- 10. Sans Spring
- 11. Tomera Ranch
- 12. Trap Springs

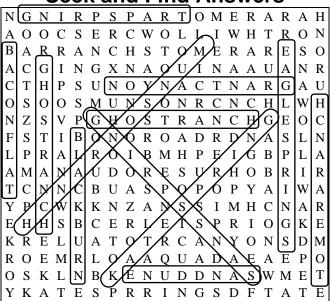
## Oil and Gas Questions

- 1. Of the 17 counties in Nevada, which two are the oil producing counties?
- 2. Name three products made from crude oil.
- 3. What type of drilling rig is used in the oil industry?
- 4. What year was the first oil produced in Nevada?
- 5. What is drilling fluid called?
- 6. List two things drilling fluids do while drilling a well?
- 7. What created our oil reservoirs?
- 8. What year was the first well drilled in Nevada for oil?
- 9. Where did the Native Americans and pioneers get oil?
- 10. What did Native Americans and pioneers use the oil for?
- 11. Who are the professional people hired by oil companies to find oil and gas reservoirs?
- 12. Which Nevada state agency approves, permits, and regulates oil and gas drilling?
- 13. What is the piece of equipment called that is found on the bottom of the drill pipe?

# Oil and Gas Crossword Answers



# **Seek and Find Answers**



# **Answers to Oil and Gas Questions**

- 1. Nye and Eureka
- 2. Diesel, asphalt and kerosene (stove oil)
- 3. Rotary rigs
- 4. 1954
- 5. Mud
- 6. Bring cuttings to the surface, keep bit cool, cake the side of the hole
- 7. Dead sea life and plants
- 8. 1907
- 9. From oil seeps
- 10. Waterproofing baskets, greasing wagon wheels
- 11. Geologists
- 12. Division of Minerals
- 13. The bit