

Overview of the Petroleum Industry - Test # 5

Please turn test in on Saturday, Oct 29 at the end of class

Name _____

Textbook – The Oil and Gas Industry, A Nontechnical Guide

Please write your answers on this page

Please read Chap 8 (Transporting Oil)

1. True or False. A separator near the wells produces gas, oil and water streams. Pg. 132
2. Draw a horizontal separator showing internals and fluid exit lines, meters and control valves.
Will be done in class

3. True or False. BS&W is basic sediment and water. Pg. 133
4. True or False. Oil moves 3-8 miles per hour propelled by compressors. Pg. 134
5. True or False. Marine terminals are where oil lines meet and are stored in tanks for shipment by marine vessels. Pg. 135
6. True or False. Oil pipelines are 4.5 to 48 inches in diameter, coated externally and buried 3-6 feet below the surface. Pg. 135-138
7. Describe 6 ways we inspect and maintain oil pipelines. Pg. 140-144

8. Describe what a smart pig is. Pg. 142-143.

9. Draw a subsea pipeline system from well to production platform. Fig 8-10. Pg. 145

10. True or False. Crude oil tankers are classified by their DWT, deadweight metric tonnage. Pg. 150

11. True or false. Oil can also be transported by railcar or tank trucks. Pg. 151

12. Describe strategic petroleum reserve storage. Pg. 154

13. Draw a salt dome oil storage facility. Fig 8-17. Pg. 153

Max test score is 100 points. Each question is 8 points