

SYLLABUS

COURSE # AND TITLE LSOP 101 Production Field Tech **# OF CREDITS** 2

CATALOG DESCRIPTION: Students will study producing natural resources (oil and gas), from newly drilled and existing well locations to include: minimum surface equipment operations, wellhead design, common field terminologies, pressure gauges, location and fluid flow layout, proper use of hand tools, and equipment safety devices. Safety will be strictly enforced.

Semester Offered: Fall, Spring and Summer

Prerequisites:

Common Student Learning Outcomes

Upon successful completion of San Juan College programs and degrees, the student will...

<i>Learn</i>	<i>Students will actively and independently acquire, apply and adapt skills and knowledge to develop expertise and a broader understanding of the world as lifelong learners.</i>
<i>Think</i>	<i>Students will think analytically and creatively to explore ideas, make connections, draw conclusions, and solve problems.</i>
<i>Communicate</i>	<i>Students will exchange ideas and information with clarity and originality in multiple contexts.</i>
<i>Integrate</i>	<i>Students will demonstrate proficiency in the use of technologies in the broadest sense related to their field of study.</i>
<i>Act</i>	<i>Students will act purposefully, reflectively, and respectfully in diverse and complex environments.</i>

GENERAL LEARNING OBJECTIVES

1. Discover how to safely operate a well head
2. Understand basic reason for each piece of equipment on a location
3. Determine gas and oil flow directions from a wellhead to the sales meter
4. Identify safety devices on surface equipment

SPECIFIC LEARNING OUTCOMES

Upon successful completion of the course, the student will be able to ...

1. Identify different sizes and types of oil holding tanks
2. Acquaint students in the use of a tank gauge tape (Kolor-cut)
3. Identify differences between a 1 stage and a 2 stage (fired) separator
4. Discover the difference between a 2 phase and a 3 phase (fired) separator
5. Develop skills in the start up operations of a (fired) separator
6. Understand basic types of pressure and temperature gauges (psig)
7. Identify and understand proper use of hand tools
8. Gain knowledge of common lease operator terminology
9. Develop well site diagrams

Syllabus developed by Kenneth Johnson and Linda J Martinez **Date:** February 15, 2006

Syllabus reviewed by _____ **Date:** _____

A current syllabus must be on file in the dean's office for every course being taught during a given semester.