

The Engineering Development Program at St. Mary Land & Exploration offers a broad range of experience for engineering graduates. The program is tailored to the challenges of producing and developing oil and gas in the various basins and formations throughout the continental U.S. From the beginning, you will be mentored by experienced professionals on current projects. The development program offers a broad exposure to all the key aspects of oil and gas exploration and production in today's environment with special emphasis in your core area of engineering. The development program is individualized training, with hands-on experience, specialty schools as well as the challenges, opportunities and rewards found in the oil and gas industry.

Oil & Gas Engineering Disciplines

RESERVOIR ENGINEERING

Responsibilities include providing the reservoir engineering technical support for development and exploration drilling programs to maximize recovery, reserve and economic analysis of capital projects, planning and budgeting capital programs, as well as reservoir management and optimization.

Reservoir Engineering Training Program*

> Company Orientation	1 WEEK
<ul style="list-style-type: none"> • Employee Relations • Reservoir Engineering Intro • Computing Tools 	
> Reservoir Engineering	20 TO 22 WEEKS
> Geology/Geophysics	4 WEEKS
> Production Engineering	12 WEEKS
> Drilling Engineering/Operations	8 WEEKS
> Production Operations	4 WEEKS
> Economics Training School	1 WEEK
> Reservoir Training Schools	2 WEEKS
<ul style="list-style-type: none"> • Production Forecasting tools • Secondary Recovery School • Other training as appropriate 	

*1st Year of Employment



PRODUCTION ENGINEERING

Responsibilities include new well completion programs, producing well optimization, facility design and installation, production logging and analysis. These projects may include stimulation design and onsite implementation, artificial lift design and optimization, well performance analysis, as well as identifying workover/recompletion opportunities and performing economic analysis.

Production Engineering Training Program*

> Company Orientation	1 WEEK
<ul style="list-style-type: none"> • Employee Relations • Reservoir Engineering Intro • Computing Tools 	
> Production / Completions Engineering	18 to 20 WEEKS
> Facilities Engineering	2 WEEKS
> Geology/Geophysics	4 WEEKS
> Reservoir Engineering	12 WEEKS
> Drilling Engineering/Operations	8 WEEKS
> Production Operations	6 WEEKS
> Economics Training School	1 WEEK
> Production/Completions Training Schools	2 WEEKS
<ul style="list-style-type: none"> • Production Forecasting tools • Stimulation Design • Log Analysis 	

DRILLING ENGINEERING

Responsible for design and implementation of drilling programs for exploration and development wells. Includes planning and design of mud systems, drill bit optimization, casing and tubing design, directional drilling and survey techniques, cement programs as well as rig optimization and scheduling. Work experience will include both onsite and central office support as a member of a asset development team.

Drilling Engineering Training Program*

> Company Orientation	1 WEEK
<ul style="list-style-type: none"> • Employee Relations • Reservoir Engineering Intro • Computing Tools 	
> Drilling Engineering	14 to 16 WEEKS
> Drilling Operations	6 WEEKS
> Geology/Geophysics	4 WEEKS
> Reservoir Engineering	8 WEEKS
> Production / Completions Engineering	8 WEEKS
> Production Operations	6 WEEKS
> Economics Training School	1 WEEK
> Training Schools	3 WEEKS
<ul style="list-style-type: none"> • Well Control School • Murchison Drilling School • Well Planning & Design 	