

WELL DRILLING INSTITUTE

A set of industry-focussed and field-oriented training modules



TRAINING PROGRAMME:

“NATURAL GAS PRODUCTION AND PROCESS-SURFACE”

(A 30-Credit Hours Extensive Training Programme)

COURSE CODE:

WDI-N.G.P-007

DESIGNED FOR:

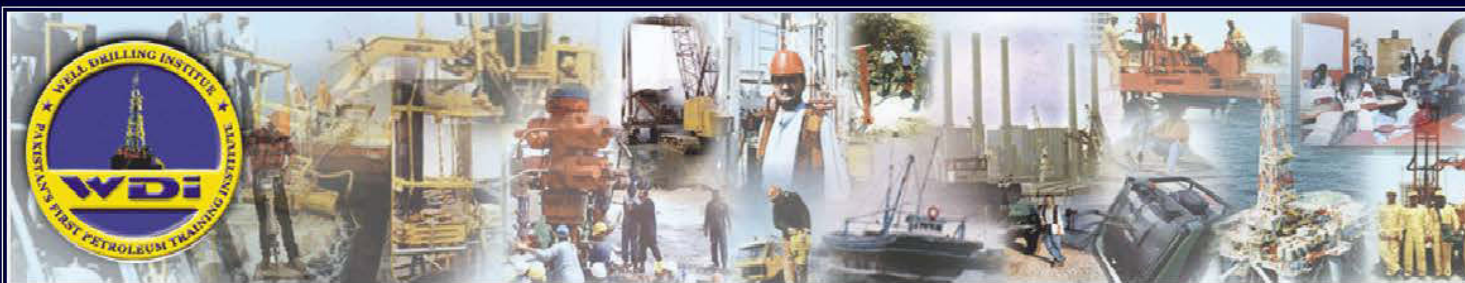
**YOUNG PETROLEUM ENGINEERS, CHEMICAL ENGINEERS,
MECHANICAL ENGINEERS, GEOLOGISTS
& DIPLOMA HOLDERS**

COURSE TO BE CONDUCTED AT:

WELL DRILLING INSTITUTE (WDI)

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In building good governance one can start at any point in the process — “top” or “bottom” — and produce positive results. Honest, dedicated leaders are essential, and much can be done to identify and cultivate the qualities of leadership in schools and training institutions.



Technical skill shared with educational competence...

NATURAL GAS PRODUCTION & PROCESS-SURFACE

WDI-N.G.P-007

WHO SHOULD ATTEND?

This course is recommended for fresh Petroleum Engineers, Chemical & Mechanical Engineers, Students of Petroleum Engineering and Geology disciplines, as well as Diploma holders (in Mechanical, Power, Chemical and Instrumentation), and non-technical E&P Personnel who want to gain knowledge and to understand the natural gas production and processing.

COURSE OBJECTIVES

This programme is designed to present the knowledge and techniques involved in natural gas production, processing, storage and transportation. Upon completion of the course participants know the;

- natural gas characterization, the principle of gas production and the on field processing operations,
- transportation and storage techniques and their specific constraints,
- techniques of natural gas valorization,

PEDAGOGY

Including Industry visit and Video Movies etc.

WDI is the Pakistan's 1st Petroleum Industry Training Institute, in Private sector where quality education is imparted according to the need and requirement of the E&P Industry.

WDI Short Certificate Programs (for Engineering Students, as well as for Corporate Levels) are a recommended grouping of courses within a subject area or discipline that support the development of specific knowledge and skills applicable to the workplace. Our training programs are designed, developed and updated by our highly Professional team of training experts with input of our overseas partner institutions, industry, and client/learner feedback.

Our training programs are designed for those who would like to increase their existing and working knowledge of all of the technical aspects of the Oil & Gas Industry. Those already in the industry or from ancillary Industries can increase and boost their technical understanding of the very dynamic energy business. Participants new to the industry can expect to be well prepared for many of the administrative and support-level technical positions that are in high demand today with Energy Companies.

WDI now offers a Short Certificate Program of 30-Credit Hours in "NATURAL GAS PRODUCTION & PROCESS-SURFACE" on regular (WEEK-DAYS & WEEK-ENDS) basis.

This course deals with the operation of gas processing and production systems by focusing on the practical choice of equipment. The course also covers the topics to select and evaluate processes used to dehydrate natural gas that meet hydrocarbon dew point specifications. It also deals with its storage and transportation etc.

COURSE CONTENT:

1. Introduction to Natural Gas Processing
2. Physical Properties of constituents of Natural Gas
3. Flow-lines, Gas Gathering Systems and Processing Facilities
4. Separators
5. NGL Extraction, HC Dew Point Control and Hydrate Inhibition
6. Processing of Natural Gas (Dehydration, Sweetening, Recovery)
7. Refrigeration and Compression of Natural Gas
8. Measurement of Natural Gas
9. Storage and Transportation of Natural Gas