المقدمة

 يعتبر قسم تكنولوجيا النفط من الأقسام المستخدمة في الجامعة التكنولوجية كCoreApplication حيث تحتضن هيئة تكنولوجيا النفط بعمليات استثمار وبناء التحول على أصغر الحسابات الهندسية لاستثمار التكنولوجيا وتغذية هذه التحضيرات في عمليات حفر والاقتصادات للمكائن النفطية، اقتصادات المكائن النفطية، طبقات الأرض، الكيمياء، زراعة الأرض، إدارة المكائن النفطية، جغرافيا الموارد، ديناميات القرار، عمليات التحول، التقطير، المكائن النفطية، والنقل بواسطة خطوط الأنابيب.

قسم تكنولوجيا النفط

 رسالة قسم تكنولوجيا النفط

 يعد التكوينات الهندسية في تخصص هندسة وتقنية النفط لخدمة الصناعات النفطية في البلد والعمل على اتخاذ الاحوال والدراسات التطبيقية في هذا التخصص الحفوي الذي يعتبر عصب الاقتصاد العراقي.

2010-2011

 www.uotechnology.edu.iq/petrol_tech
 E-mail:petrol_tech@uotechnology.edu.iq
Introduction

Petroleum Technology Department is considered as one of the newest engineering departments in the University of Technology. This Department is specialized in oil exploration and production searching for the best engineering procedure in reservoir exploration. It is also search in drilling and reservoir exploration, reservoir economic, geology, chemistry, geophysics, reservoir management, fluid flow, thermodynamic, oil and gas production, reservoir development, and pipes transportation.

Mission of Petroleum Technology Department

The department provides high quality education experiences that will prepare graduates to assume leadership within petroleum technology engineering. We foster and encourage the pursuit of new knowledge and research in this viable specialization which is the nerve of Iraq economy.

Vision of Petroleum Technology Department

The Petroleum Technology Department has long maintained a high standard for excellence in teaching and research extended to the tradition of University of Technology. The department vision can be clearly shown through its scientific branches which are:
1- Petroleum Reservoir Technology
2-Petroleum Production Technology

Objectives of Petroleum Technology Department

-Producing graduates with fundamental knowledge who are able to successfully practice petroleum technology.
-Giving the graduates the ability of solving the industrial problems in petroleum field especially in petroleum production processes, reservoir stimulation and gas technology.
-Preparing graduates with the necessary background and technical skills to manage and develop the petroleum reservoir and petroleum production process.
-Prepare graduates to be able to identify, formulate and solve engineering problems during postgraduate studies.

Scientific Branches

1-Reservoir Technology
This engineering branch deals with the application of modern scientific basics in exploring and developing reservoirs. It also concern in many fields like: studying the basic properties of fluid and rocks, analyzing the laboratory and field data to calculate the hydrocarbons in reservoir, and geology and geophysics exploration methods.

2-Production Technology
It specialized in developing the engineering ability in : studying the best design of reservoir to ensure its continuity of flow for many years, studying the pressure and energy losses in fittings and vertical and horizontal pipes and their effects on flow rate of fluid in it. This branch also concern with the separation processes of inserts associated with hydrocarbons.