

INSTITUTE OF PETROLEUM ENGINEERS, DEHRADUN

WELL TESTING

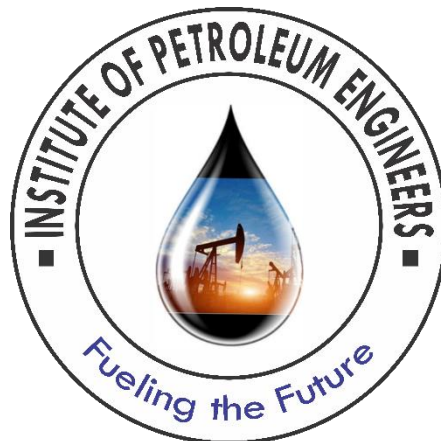
RESOURCES

GATE PETROLEUM

FACULTY

1. MR. DIVYANSHU VYAS (AEE PRODUCTION ONGC)

GATE RANK – 17



LECTURE NUMBER	TOPIC NAME
1	Fluid flow through porous media-Concept

2	Flow Equation -linear flow-1
3	LINEAR FLOW: Tilted Slightly Compressible Compressible
4	Radial Flow: Incompressible Slightly Compressible Compressible
5	Diffusivity Equation Derivation Significance
6	Transient state solution of diffusivity equation
7	Transient stage formation damage
8	Wellbore Storage Effects: Intuition Math ETR-MTR
9	Dimensionless Parameters Type Curves Applications of Dimensionless approach
10	Dimensionless well bore storage
11	Derivative (Log-Log) Plots Diagnosis for WBS & IARF Practical Aspect
12	Pseudo Steady State: Intuition Mathematical Derivation
13	PSS - Dietz Shape Factor Dimensionless Analysis of PSS Proof of Cartesian straight line in PSS
14	Superposition

15	Build Up Tests Horner's plot Radius Identification Diagnostic Summary of All flow Regimes
16	Gas Well Testing : 1. Basics and Concepts
17	Flow After Flow Tests Isochronal Tests Modified Isochronal Tests C and n Method
18	Other Well Tests : 1. Interference Testing
19	Other Well Tests : 2. Pulse Test Drill Stem Test & WFT Injection Fall Off Test

NOTE:

1.MORE LECTURES WILL BE UPLOADED AS PER THE NEED OF THE STUDENTS OR CHANGES IN SYLLABUS.

2.MORE NUMERICAL DISCUSSION LECTURES WILL BE UPLOADED REGULARLY.