



# DRAFT AGENDA

## 110 (c) CenSARA – Introduction to Mid-Stream Operations

**THIS 2 DAY COURSE IS DESIGNED FOR STUDENTS TO LEARN THE METHODS AND TREATMENT OF OIL AND GAS FROM THE WELL HEAD TO THE REFINERY FOR OIL AND TO THE PROCESSING PLANT FOR GAS.**

### **INTRODUCTION**

PURPOSE OF COURSE AND PRE-TEST

### **ARTIFICIAL LIFT**

DIFFERENT LIFT METHODS

### **EQUIPMENT ON LEASE SITE**

IDENTIFYING EQUIPMENT

VAPOR RECOVERY UNIT

WATER INJECTION WELLS

SEPARATORS

EMULSIONS AND HEATER TREATERS

OIL CLASSIFICATIONS

### **OIL TRANSPORTATION TO THE REFINERY**

TRANSPORTATION METHODS

LACT UNITS

MONITORING AND SAMPLING

OIL PIPELINES

PIPELINE CONSTRUCTION

OIL PIPELINE PUMPING STATIONS

### **CUSHING STORAGE FACILITY**

INBOUND AND OUTBOUND PIPELINE CAPACITY

TANK CAPACITIES AND SAFETY

PUMP, PROOF, AND PIG STATIONS

PROOFING STATIONS

MAINTENANCE, PIGS, AND PIPELINE BLOWDOWNS

### **REGULATING AND PIPELINE SAFETY**

PIPELINE REGULATORY AGENCIES

### **GAS GATHERING AND COMPRESSION**

GATHERING, METERING, COMPRESSORS AND OTHER EQUIPMENT

### **GAS PROCESSING CATEGORIES**

COMMON NATURAL GAS CONTAMINANTS REMOVAL

NATURAL GAS LIQUIDS (NGL)

CRYOGENICS – REFRIGERATION – LEAN OIL ABSORPTION

CRYOGENIC PLANTS (EQUIPMENT AND PROCESSING)

CRYOGENIC (REVIEW OF SYSTEM FLOW)