

# Enhanced Oil Recovery Gas Standards

(Carbon Dioxide CO2, Nitrogen N2, Methane CH4)

YIGAS INTERNATIONAL LIMITED

## 1. Overview

Enhanced Oil Recovery (EOR) utilizes gases to improve reservoir pressure and hydrocarbon displacement efficiency. YIGAS provides CO2, N2, and CH4 with stable supply for onshore and offshore oilfield applications.

## 2. Technical Specifications

Gas	Purity Level	Typical Phase	Temperature Range	Common Pressure
CO2	≥99.9%	Liquid / Gas	-78.5 °C	10—60 bar
N2	≥99.999%	Liquid / Gas	-196 °C	5—200 bar
CH4	≥99.5%	Gas	-161 °C	10—200 bar

## 3. Industrial Standards

All gases comply with:

- API RP 941 – EOR gas pipeline integrity
- ISO 23251 – Gas compression and transport
- EIGA Doc 80/18 – CO2 safety in oil recovery
- GB/T 3864–2020 – Gas identification and labeling

## 4. Applications

- CO2: Miscible flooding for heavy oil recovery
- N2: Pressure maintenance in reservoirs
- CH4: Gas injection and energy recovery

## 5. Packaging & Supply

Cylinder • Tube Skid • ISO Tank • On-site Compression

## 6. Contact Information

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*This document provides reference specifications for YIGAS enhanced oil recovery gases. Customized supply and technical support are available upon request.*