

Oil Well Beam Pumping Unit

This oil well beam pumping unit extracts crude oil from wells. It uses reciprocating motion to lift oil to the surface when natural pressure is insufficient.



Product Overview

High-Efficiency Beam Pumping Unit

This beam pumping unit, commonly referred to as a pumpjack, is engineered for reliable crude oil extraction in fields where natural reservoir pressure is insufficient. The system utilizes a robust mechanical design featuring a walking beam, Sampson post, and horsehead assembly to facilitate continuous, efficient reciprocating motion. Designed for durability in demanding outdoor environments, this unit ensures consistent performance for downhole pump operations.

Technical Configuration

Key Components

- Walking beam
- Sampson post
- Horsehead
- Gearbox
- Motor drive

Mechanism Type

Reciprocating rod lift

Application

Primary Application

Crude Oil Extraction, Artificial Lift, Onshore Oil Fields

Performance Metrics

Function

Downhole Pump Activation • Sucker Rod String Operation