

Oil Well Beam Pumping Unit

This oil well pumpjack, also known as a nodding donkey, is a reciprocating piston pump. It converts rotary motion to vertical reciprocating motion to drive a downhole pump.



Overview

High-Efficiency Beam Pumping Unit

This Oil Well Beam Pumping Unit, commonly referred to as a pumpjack or nodding donkey, is a robust artificial lift system designed for efficient crude oil extraction. It utilizes a reciprocating piston mechanism to convert rotary motion into vertical reciprocating motion, effectively driving the downhole pump. Engineered for reliability in demanding petroleum environments, this unit integrates essential components including the prime mover, walking beam, Sampson post, and horse head to ensure consistent production performance.

Technical Specifications

Key Components

- Prime Mover
- Walking Beam
- Sampson Post
- Horse Head
- Pumping Rod String

Model Identifier

51-49

Pump Type

Reciprocating Piston Pump

Application

Artificial Lift, Crude Oil Extraction, Petroleum Industry