



NOV Monoflo Morlift Hydraulic Rod Pumping System

Monoflo NOV's Morlift is a high performance unit that is ideal for many oil & gas applications. The hydraulic pumping system works in conjunction with a state of the art nitrogen system to reduce load fluctuation, thus reducing stress on the engine and hydraulic system. The field proven hydraulic power unit and control system deliver the quality you expect from NOV Monoflo. This new hydraulic lifting system is sure to meet all requirements.

With lifting capabilities of up to 40,000lbs the Morlift can produce wells to extreme well depths. The new nitrogen counterbalance system also allows for pumping with lower horsepower, which will increase fuel efficiency.

Why NOV Monoflo?

- Low setup costs with easy installation.
- Simple operation and maintenance
- Guide wires or anchors are not required on direct mount wellhead application
- Unit allows for flushby operation without removal
- Add NOV's Hydraulic Variable Speed Controller to this unit to optimize production and have the capability to remote monitor your well.



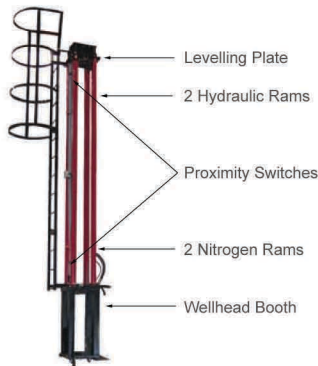
Hydraulic Unit vs Traditional Pump Jack

The installation and operational benefits of the Hydraulic Morlift Unit over a traditional pump jack amount to significant savings. The Morlift unit can be installed and operating in less than 3 hours with minimal equipment and labor. When running, the Morlift allows for quick changes to the stroke speed and length. Whereas traditional pumpjacks require lengthy shut downs, the Morlift can remain in operation which eliminates shut downs and loss of production.

SAVINGS	Pump Jack	Morlift
Installation Costs	~\$8,000	~\$1,000
Stroke Speed Change	~\$3,000	\$0
Stroke Length Change	~\$1,500	\$0



Mast



5.7L Hydraulic Skid



Nitrogen Skid



Control Box



Morlift Model

40-120

40-144

Lift

40,000 lbs

40,000 lbs

SPM

Up to 6 SPM

Up to 5 SPM

Stroke Length

0-120 Inches

0-144 Inches

Height

198 Inches

216 Inches

Weight

2,700 lbs

3,000 lbs