

# 3.75" PERMANENT MAGNET MOTOR Delivers Results in Difficult Application

Endurance Lift Solutions offers a full suite of application-specific equipment to meet your ESP needs, including permanent magnet motor technology.

## CHALLENGE

A large Permian Basin operator was looking to install an ESP in a difficult, high production, new completion. The main concern for the operator was the casing size, being 5.5" and 20lbs. With a conventional 456 motor, they knew this would limit the ability to naturally separate gas over the life of the ESP. As well, the 456 motor would potentially create issues for them in the case of a fishing job. However, running as many as three conventional 375 motors would drastically increase the cost of the system and would still potentially limit them on needed HP.

## SOLUTION

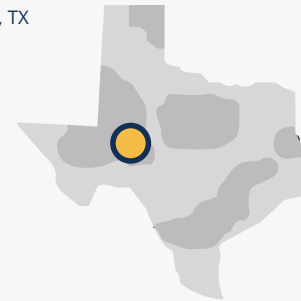
The client was introduced to an **Endurance Lift Solutions ESP with a Magnetic Pumping Solutions permanent magnet motor (PMM) technology to solve both problems.**

## RESULTS

The single 375 PMM was able to deliver the horsepower needed to produce the client's desired fluid rate. The smaller OD motor also left adequate annular space available to increase natural gas separation up the casing and minimize free gas into the ESP over the life of the system.

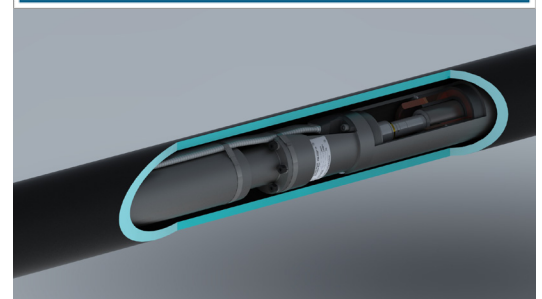
### PROJECT DESCRIPTION

Location  
Midland, TX



Customer:	Large Operator
Lift Type:	ESP
Set Depth:	9100'
Beginning Production:	5300 BFPD
Current Production:	3200 BFPD
Gas to Liquid Ratio (GLR):	51
Install Date:	7/10/2020
Current Run Time:	271 days and counting

### Magnetic Pumping SOLUTIONS



Cutaway of a Magnetic Pumping Solutions PMM with MLE.



Contact your local representative for more information on ESP products and services.