

SLIMLINE ESP SYSTEMS



MAXIMIZE PRODUCTION
IN SLIMHOLE WELLS

SlimLine ESP Systems

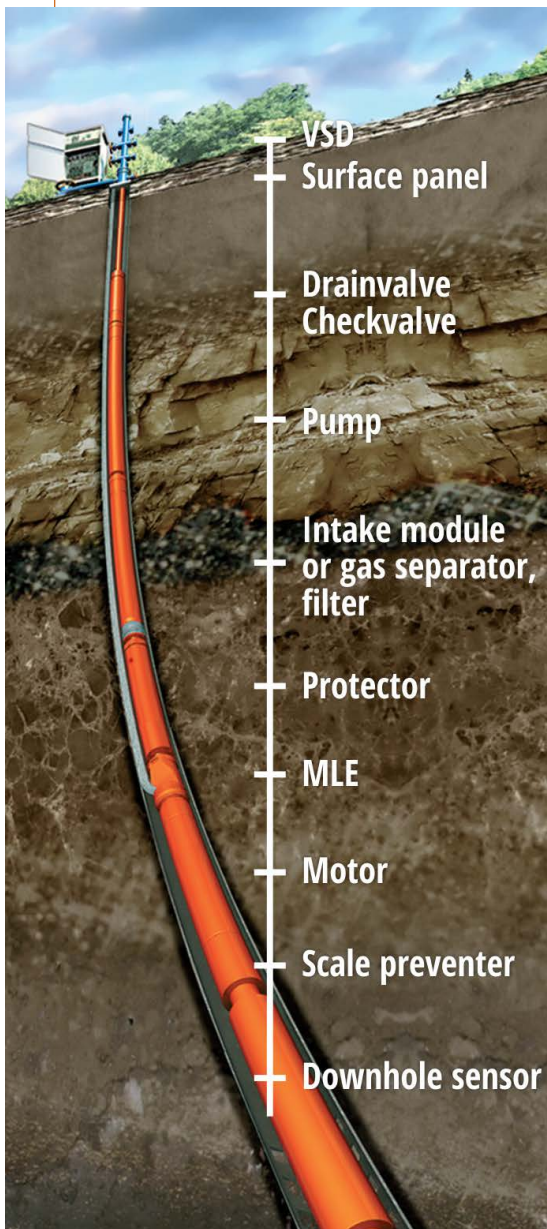
Some Things Will Never Fit

Even in wells with 5½-in. 20# casing, the industry standard ESP running an induction motor has an outside diameter (OD) of 4.56 in. That leaves just a tenth of an inch for fluid to pass by a 30 to 60-ft motor. That is simply not enough space to produce the 4,000 BFPD in a typical unconventional well at startup. Too often, operators run a standard ESP and assume that motor overheating, system cycling from gas locking, and constant acid pumping to fight scale are just part of the production headache.

Running an ESP system with the same 4-in. OD as the rest of the production string mitigates all these problems. The good news? Novomet SlimLine ESP systems have the size you need to produce slimhole wells.

SlimLine ESP Systems from Novomet Fit Just Right

We offer SlimLine ESP systems capable of producing wells with casing sizes as narrow as 4 in. (and smaller in some instances). With Novomet, you get the slimmest of the slim without sacrificing lifting power.



SlimLine Advantage

- Increase production in small-ID wells
- Improve runlife and reliability with proven permanent magnet motors – standard on all SlimLine systems
- Easily access sidetracks for improved production
- Add a multiphase 272-series pump for high-GOR wells

Most Common Applications

- Idle well startup and post workover production
- Conventional, unconventional, and sidetrack wells
- Highly deviated horizontal wells
- Wells with small drift diameter, patched/pinched casing
- Wells with high dogleg severity – 4°/30 ft (4°/9 m) during RIH and 15°/30 ft (15°/9 m) at pump setting depth
- Bypass systems (Y-tool)
- Multizone production

SlimLine Installations

Our 406-series ESPs are the most common size installed in unconventional wells. They provide more clearance for fluid to pass and reduce the likelihood of cable damage while running in hole.

They are ideal for wells with 5½-in. casing.

In true slimhole applications around the world, our smaller series pumps excel.

272-Series SlimLine ESP Systems

- 1,577 systems installed worldwide
- 2,351 days runlife record
- 647 days average runlife

319-Series SlimLine ESP Systems

- 1,805 systems installed worldwide
- 2,310 days runlife record
- 450 days average runlife (brought down by shale wells)

SlimLine ESP Sizes

| Size | Capacity | Max OD with cable |
|----------|-----------------------------------|-------------------|
| 2.72 in. | 151-755 bbl/d (@60Hz) | 3.23 in. (82 mm) |
| 69 mm | 20-100 m ³ /d (@50Hz) | |
| 3.19 in. | 189-2,415 bbl/d (@60Hz) | 3.74 in. (95 mm) |
| 81 mm | 25-320 m ³ /d (@50Hz) | |
| 4.06 in. | 755-3,774 bbl/d (@60Hz) | 4.56 in. (116 mm) |
| 103 mm | 100-500 m ³ /d (@50Hz) | |

SlimLine ESP Saved Underperforming Well, Increased Production 610%, Delivered Over 1,000 Days of Runtime

Challenge

A well with high dogleg severity was producing only 10 BOPD with a rod lift system, making the well uneconomical for the operator to produce.

Solution

Use a 319-series SlimLine ESP to navigate through doglegs and position the intake closer to perforations.

Results

- Saved new well from being plugged and abandoned
- Increased production by 610%
- Delivered 1,052 days of operation as of 10/03/2021





CONTACT US TODAY

To learn more about how SlimLine ESP systems can help you produce slimhole wells others cannot, contact us today.

[.https://www.novometgroup.com/contacts/](https://www.novometgroup.com/contacts/)

