

BRUSH SAND SEAL

Increase your bottom line and reduce your well stripping jobs

CASE HISTORY

RESULT

A major operator in the Eagle Ford shale basin recognized that the H-F Brush Sand Seal is playing a significant role in minimizing stripping jobs by:



LOWERING WELL SERVICE COSTS



EQUIPMENT DAMAGE IS MINIMIZED



WELLS ARE SERVICED MORE EFFICIENTLY



MINIMAL DOWNTIME

CHALLENGE

Pumps under normal conditions will unseat with a direct pull of the sucker rod string. But pumps exposed to particulates can get stuck in tubing, causing a pump to be stuck on seat, resulting in a costly stripping job. An operator will at some point pull the sucker rod string to unseat the bottom-hold down pump. Rod and pump retrieval is necessary for several reasons, including but not limited to:

- ▶ Hole in Tubing
- ▶ Sucker Rod Failure
- ▶ Pump Inefficiency
- ▶ Loss of Production
- ▶ Scheduled Maintenance

If pumps are stuck due to sediment buildup, they may have to be stripped, costing operators time and money.

SOLUTION

Installing a HF patented Brush Sand Seal accessory to your pump is a cost-effective way to minimize sediment buildup, which helps increase the overall chance of unseating your bottom hold-down pump when the well needs service. Engineered out of our high strength material, the Brush Sand Seal is a simple add-on attached directly below the fluid discharge flute. It creates a barrier or seal between the tubing and pump barrel, protecting the top of the seating nipple from sediment and foreign materials. Best of all, the Brush Sand Seal does not have to be activated when the pump reaches the seating nipple.



H-F PUMP TRACKER records show the Brush Sand Seal plays a factor in unseating the bottom hold-down pump in the Eagle Ford shale play.

Pump Tracker Records	Total Wells Pulled	Stripping Job	Percentage
Pumps without Brush Sand Seal	1,031	126	12%
Pumps with Brush Sand Seal	471	39	8%

\$90,000



AVG. COST OF STRIPPING JOB WITHOUT BRUSH SAND SEAL

\$30,000



ASSOCIATED COST OF PUMP CHANGE WITH BRUSH SAND SEAL

VS



\$60,000

IN SAVINGS PER WELL WITH THE ADDITION OF THE BRUSH SAND SEAL

**Numbers based on average Eagle Ford stripping jobs*

Unsurpassed customer support

Our relationship with the oilfield operator does not end when our sucker rod products enter the wellbore. In fact, that relationship will continue to grow over the product's complete life-cycle, with our highly trained Technical Service and Sales staffs just a phone call or email away should you require any assistance, from system design to troubleshooting to completing a product's delivery and installation.

Harbison-Fischer products and services are available in the following North American locations:

Administrative & Manufacturing

Crowley, TX. 817.297.2211

California

*Bakersfield 661.387.0166
Shafter 661.399.0628
*Taft 661.765.7792

Illinois

Grayville 618.375.3841

Kansas

El Dorado 316.321.5940
Great Bend. 620.793.5091
*Liberal. 620.624.9042

Louisiana

Shreveport. 318.742.2942

Michigan

*Mt. Pleasant 989.773.1032

Mississippi

Laurel. 601.428.7919
Natchez. 601.442.7961

New Mexico

Farmington. 505.327.1398
Hobbs 575.393.9618

North Dakota

*Dickinson 701.483.0422
*Tioga 701.664.4300
Williston 701.774.0276

Ohio

Zanesville 740.453.5991

Oklahoma

Oklahoma City. 405.677.3393
Ratliff City. 580.856.4058

Texas

Abilene 325.673.8274
*Brownfield 806.637.7142
*Bryan 979.778.1227
*Garden City. 432.354.2093
Graham. 940.549.4544
*Freer. 361.394.6040
Kilgore 903.984.8695
Odessa. 432.337.3592
Perryton 806.435.6569
*Pleasanton. 830.224.6400
Wichita Falls 940.766.4259

Wyoming

*Casper 307.472.7518
*Gillette 307.686.4050

Global Markets

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<https://www.apergyals.com/global-markets/>

* Indicates HF pump repair shop locations

