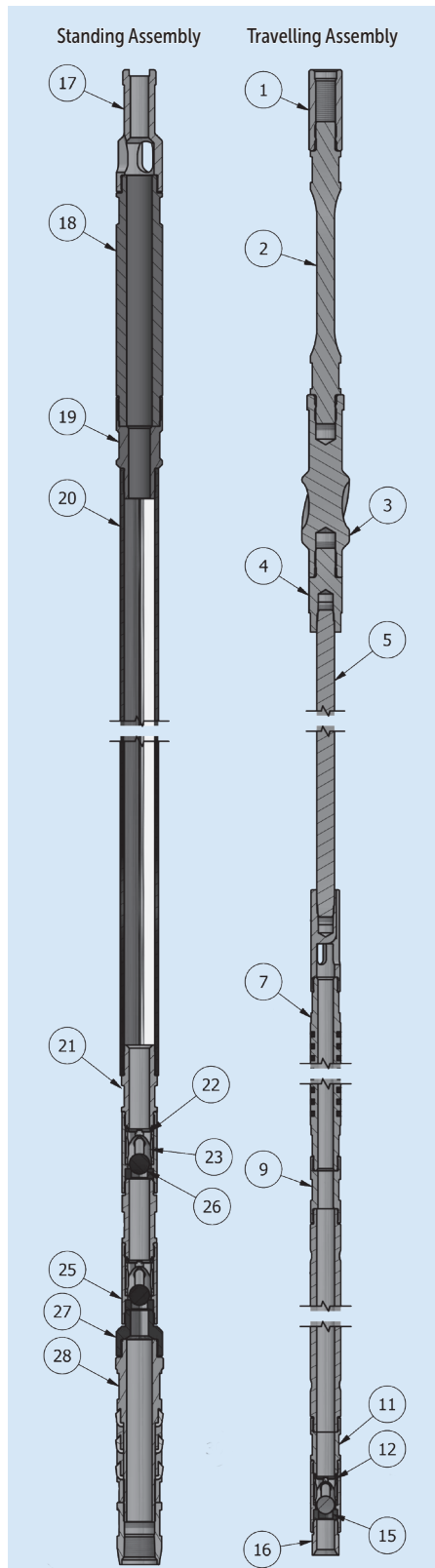


DNOW SAND HOG

Rod Pump

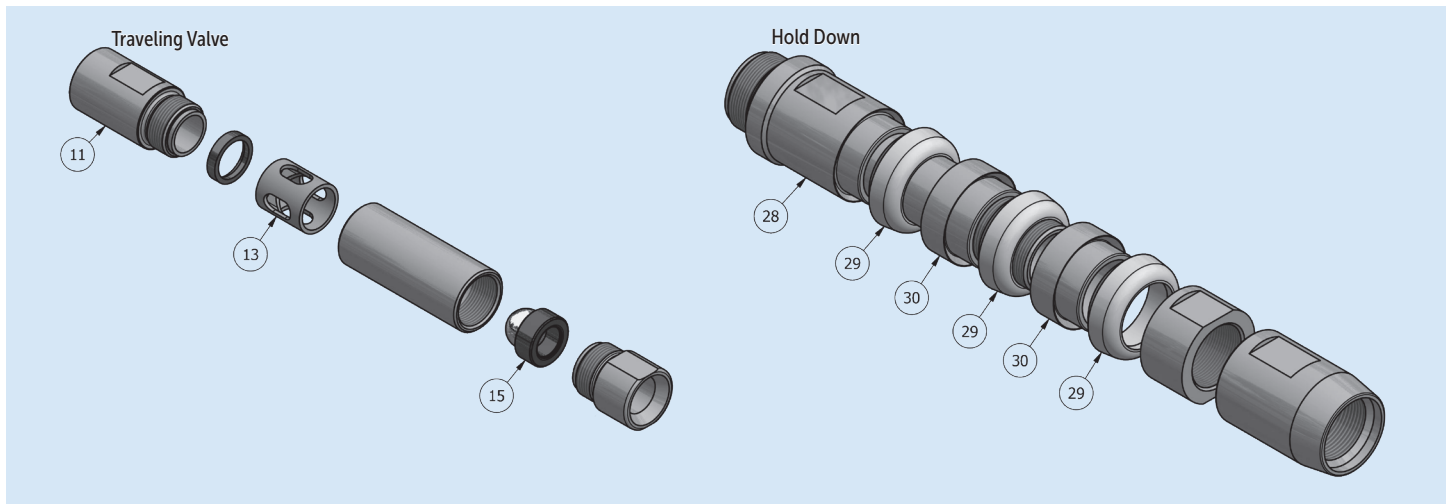


- 1 Sucker rod, .75 SR, Class T
- 2 Sub, .75 SR pins, steel
- 3 Spiral, 2.88 tubing, .75 SR
- 4 Valve rod, .75 pin, .875 VR API
- 5 Valve rod, plain, .875 x 214.75 in.
- 7 Plunger assembly
- 9 1.50, PA plunger to PE plunger
- 11 Pin-end plunger, 1.50, insert cage
- 12 Insert cage, 1.50
- 15 Ball and seat
- 16 Plug, Seat, 1.50
- 17 Valve rod, 2.875 tubing, .875 VR, API
- 18 Top seal, 2.875
- 19 Fitting x 1.50 RX
- 20 Barrel, Dura B-NI
- 21 Barrel, RW, 1.50, 1.75 valve,
- 22 Insert cage, 1.75
- 25 Insert cage, 1.75, steel
- 26 Ball and seat, 1.75 WC seat, 1.000 TiC ball
- 27 Adapting, 2.875 in. hold down for 2.375 in. pump, 41X0
- 28 Hold down, 3 cup, 2.875

Combining proven technology and engineered materials, the DNOW Sand Hog has been successfully utilized to produce sand laden wells in the eagle ford formations. For the last several years the DNOW Sand Hog has been documented to increase runtimes and Improvements over all production rates for wells where conventional rod pumps had quickly failed due to sand interference or abrasive degradation of internal parts.

Due to its success and in-house development DistributionNOW supports a wide range of variations and sizes for this pump. With a full flow cage design and a combination plunger, sand movement through the pump is improved and damage is reduced. The upper PA plunger readily handles the sand while the lower spray metal plunger section handles the hydrostatic fluid load. Further efficiencies can be realized by improving the bottom hole assembly.

DNOW SAND HOG Rod Pump



- 11 Pin-end plunger, 1.50, insert cage, steel
- 13 Insert, cage
- 15 Ball and seat

- 28 Mandrel
- 29 Cup, type HR, 2.875 in.
- 30 Cup ring, 2.875, API, steel

DistributionNOW (DNOW), supports the full production process flow, from Rod Pumps to LACT units. Driven by in-house technical experts, DNOW can complete system designs and performance analysis for rod pump, plunger lift, and PC Pump wells. DNOW manages a robust inventory of ALS parts and equipment including conventional and hydraulic pumping units, variable frequency drives and automation systems, wellhead and downhole components, progressive cavity pumps (PCPs) and a wide range of plunger lift equipment.

The primary focus of DNOW's artificial lift division is reciprocating rod pump systems and services. DNOW can improve your wells by tapping into our technical expertise, field-based experience and programs like (RODSTAR, SROD, TAM, TWM, and C-FER PC-PUMP). Our pump shops utilize parts from a qualified list of manufactures and Dura Products, a wholly-owned North American based DNOW manufacture. The company also leverages in-house plunger-lift experts and three PC Pump facilities with comprehensive testing capabilities. DNOW's ALS division operates 35 facilities in the U.S. and 18 in Canada and several more in the global arena; these service locations are strategically located to offer ALS systems and services in all major North American Basins.

The company also provides training encompassing "Best Practices for Horizontal Shale Well on Rod Pump" throughout

the US. Here operators and DNOW rod pump experts can discuss specific issues and solutions from a wide range of case studies or customer specific projects.

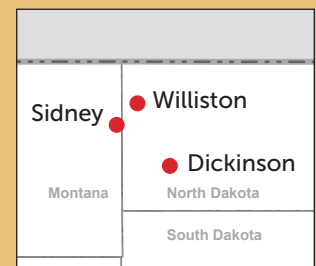


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