



Well Optimization
Superior Service & Quality Products
Since 1989

Cushing, OK. Bloomfield, NM. Kilgore, TX. Breckenridge, TX. Great Bend, KS. Gillette, WY.
Tripoli, Libya. Guatemala City, Guatemala.

ABOUT US

- Made in America
- Wind our own motors
 - Vertical oven – customer owned motor dry out with a 95% success rate.
- Quality and Material Conformant
 - ISO9000 Compliance
- Pumps are made to order for specific customer requirements.
- Vertical Test Well – Ability to replicate actual well conditions in testing the complete unit as a whole for accurate trouble shooting.



Rod lift
with pump jack

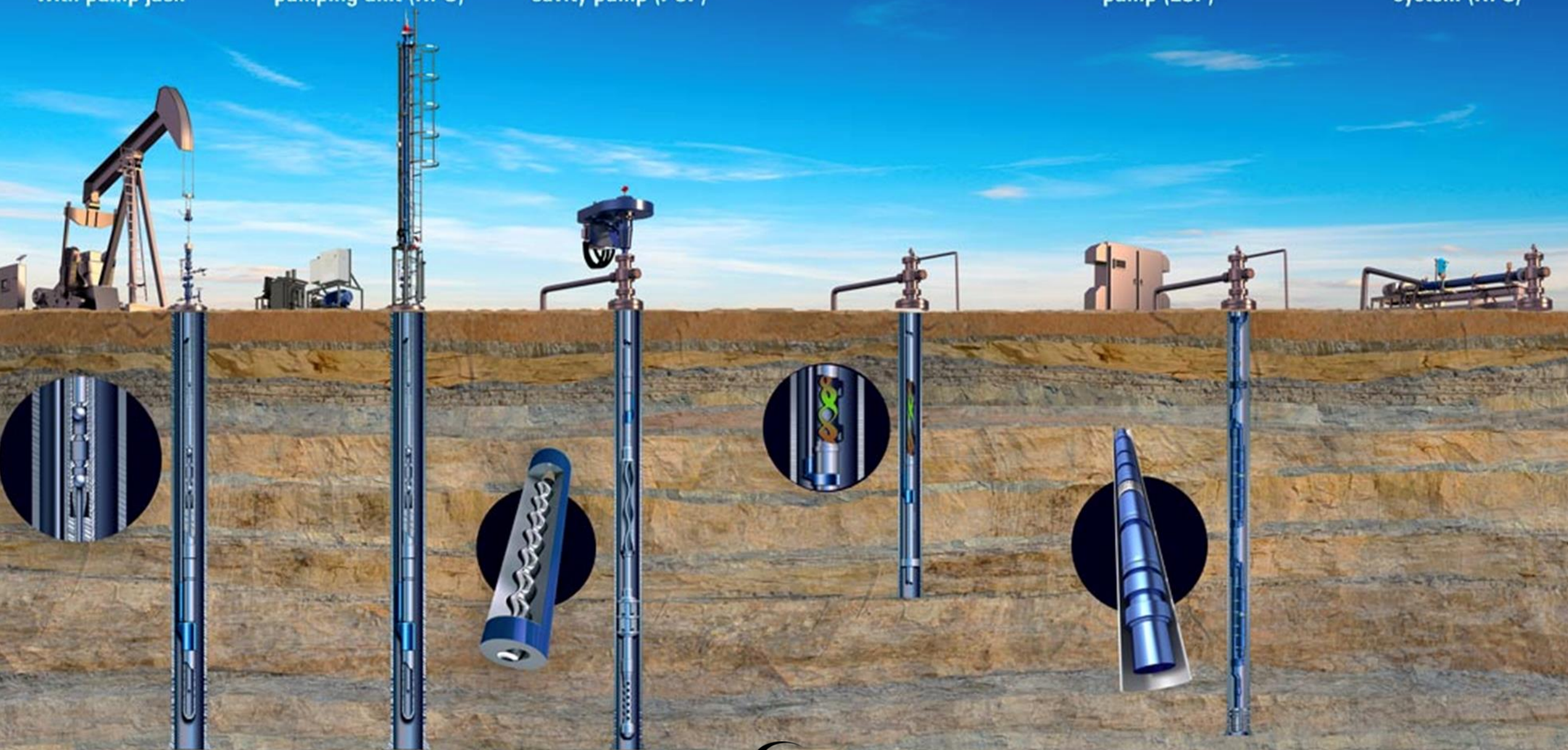
Rod lift with hydraulic
pumping unit (HPU)

Progressing
cavity pump (PCP)

Gas Lift

Electric submersible
pump (ESP)

Horizontal pumping
system (HPS)



ELECTRIC SUBMERSIBLE PUMPS

- Motors - 20 – 450 hp in stock for various well casings.
- Protectors - Multiple configurations available for various chemical, load and temperature applications.
- Gas Mitigation – Charge Pump, RGS
- Downhole Cable, Intakes, MLEs, Well Heads and ESP accessories in stock.

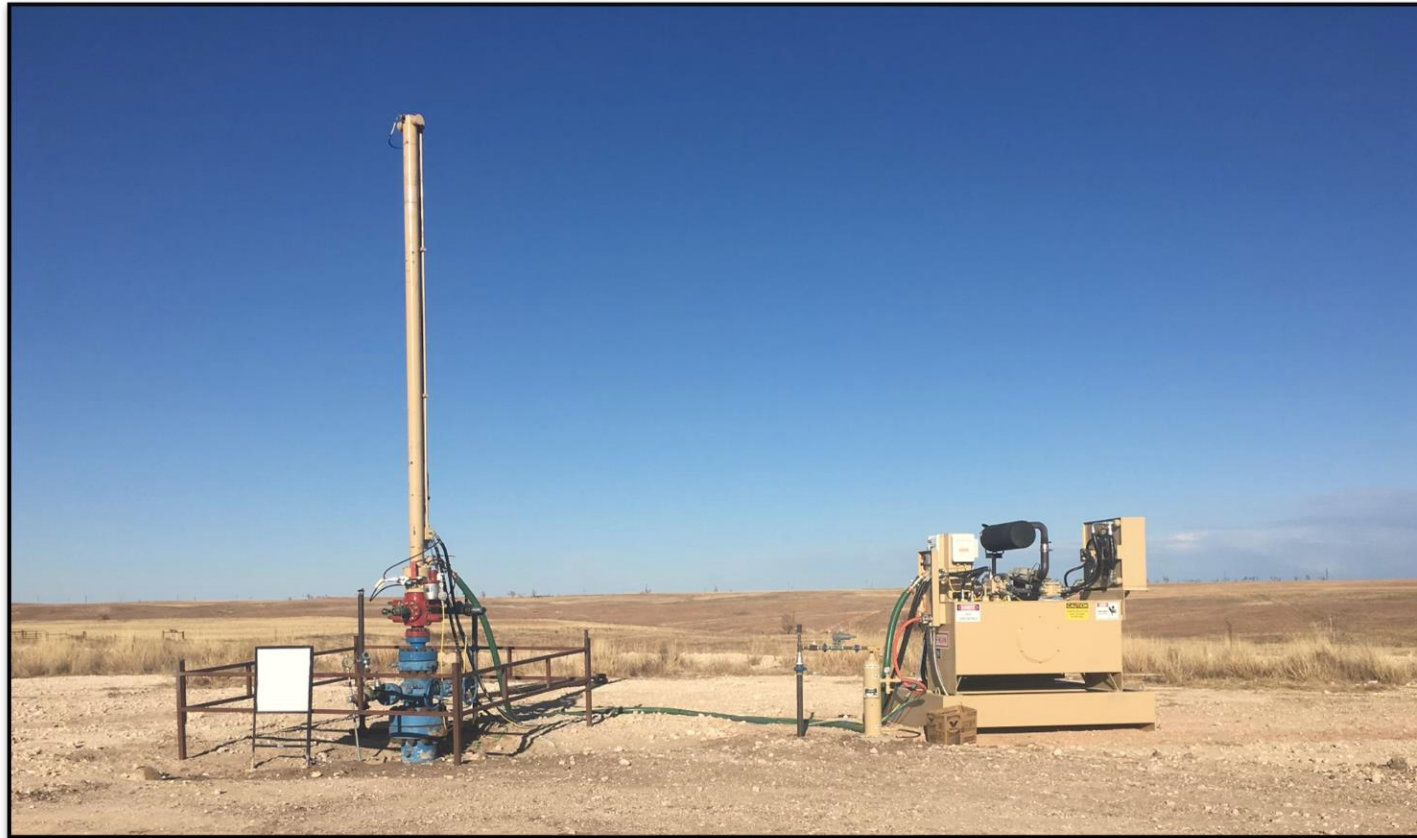


BEAM PUMPING UNITS

- Full inventory of remanufactured beam pumping units.
- Large inventory of sizes ranging from API 50-89-54 to 1280-427-192 in stock.
- Units include a 12-month warranty.



HYDRAULIC PUMPING UNITS



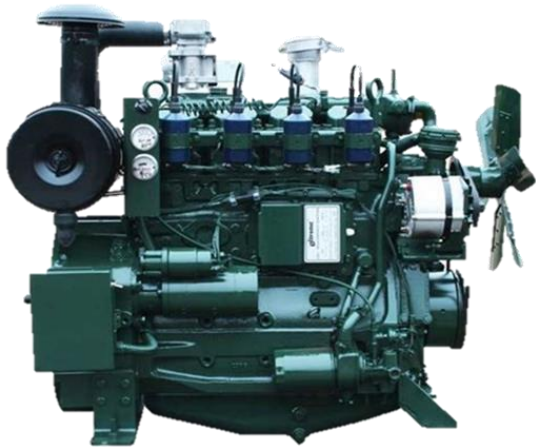
HYDRAULIC PUMPING UNITS



- Long Slow Strokes
- .75 to 4.0 Strokes per Minute
- Controlled Downstroke - reduces sucker rod compression
- Automated Pump Off Control
- Fewer Cycles = Fewer Rod Parts & Rig Interventions
- Reduced Tubing Wear
- Electric or Natural Gas Engine Prime Mover

ARROW NATURAL GAS ENGINES

- C Series – Single Piston
- 5 to 32 BHP
- A Series – Multi Cylinder
- 24.5 to 151 BHP
- 12 Month Parts & Service Warranty
 - New and Rebuilt Engines

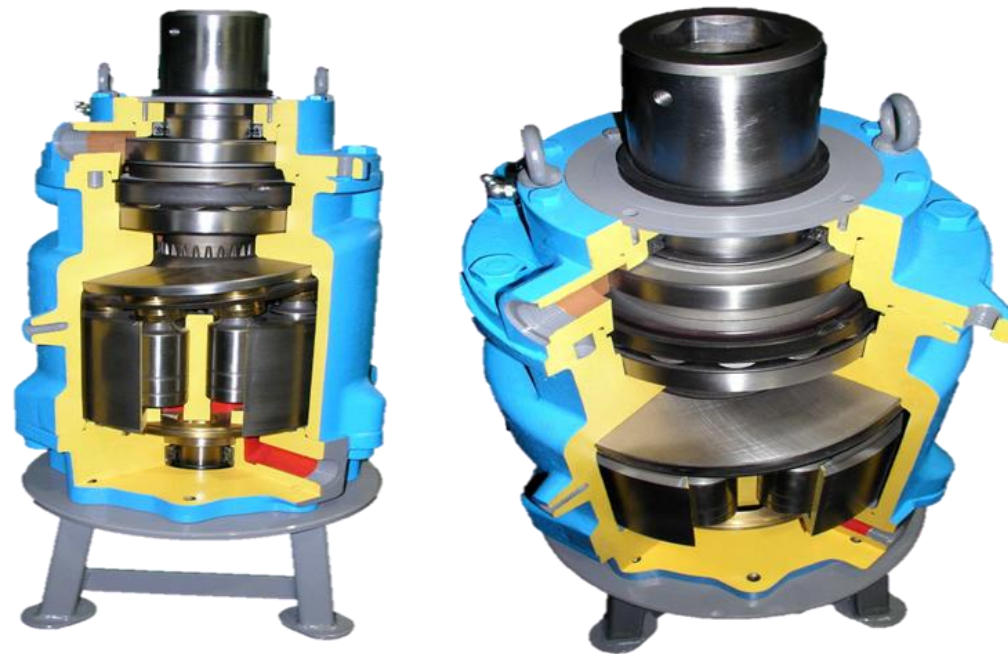


*Arrow Engine Repair Certification Pending



PROGRESSING CAVITY PUMPS

Artemis PC Pumps

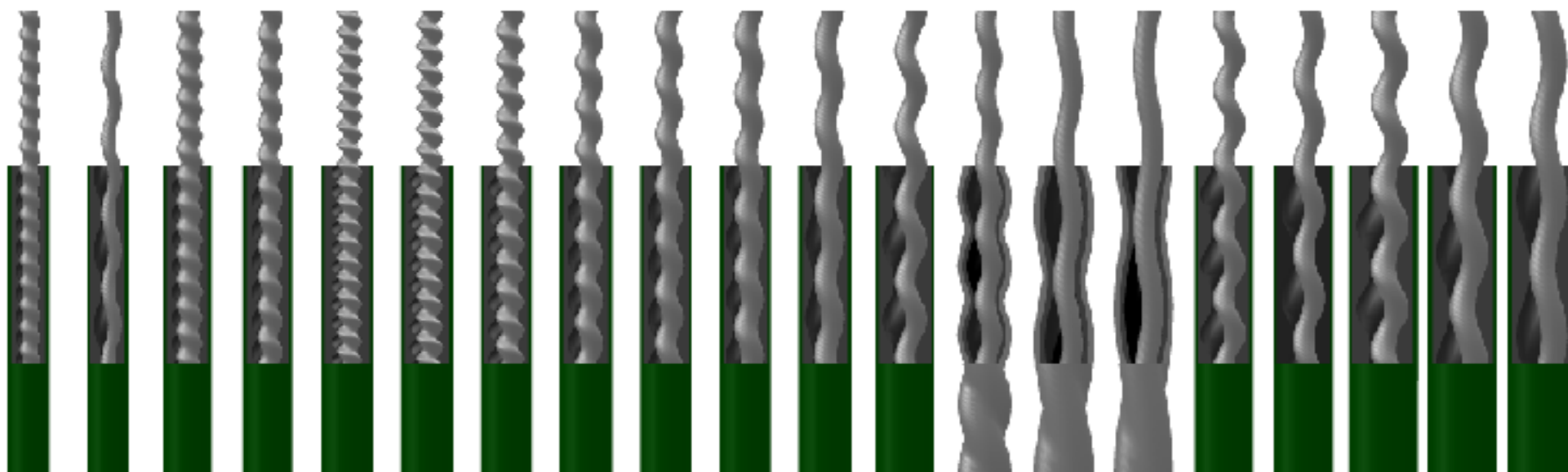




ARTEMIS

PC Pump Systems

PROGRESSING CAVITY PUMPS



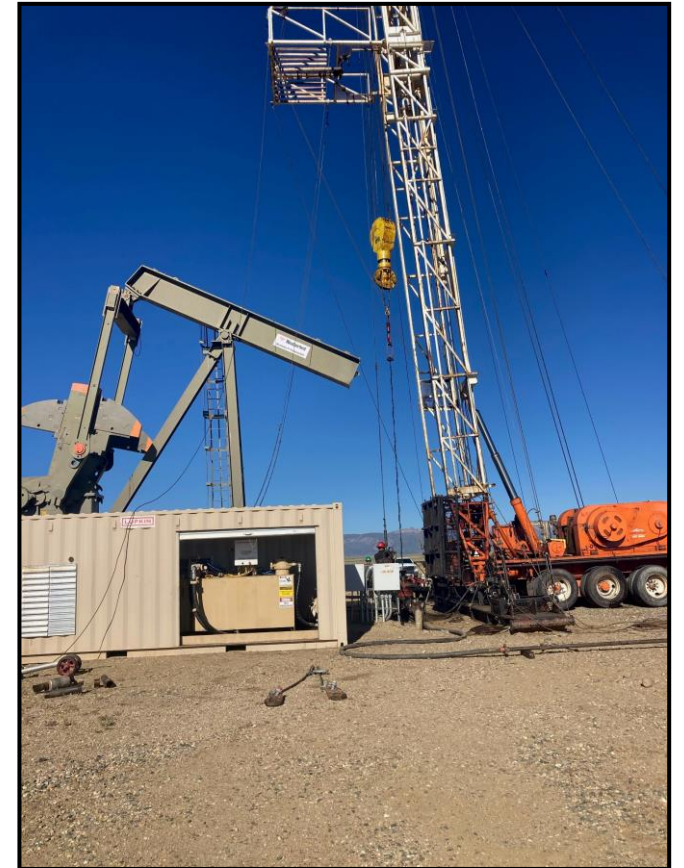
M3/day @ 100rpm	6	28	10	15	8	12	18	27	35	45	60	85	50 SPIRA	105 SPIRA	140 SPIRA	80	100	120	160	200
BPD @ 100rpm	38	180	60	95	50	75	110	170	220	285	380	535	315 SPIRA	660 SPIRA	880 SPIRA	500	630	755	1000	1250
Rotor Drifts	2-3/8"					2-7/8"										3-1/2"				
Tube O.D.	3.0"		3.5"			3.75"					4.33"		3.94"		4.5"		4.33"		5.0"	
Inlet Area (In2)	0.7	0.9	1	1.25	1.2	1.5	1.5	1.5	1.5	1.8	1.8	2.6	1.6	1.9	2.0	2.7	2.7	3.4	3.4	3.4

ARTEMIS PC PUMP SYSTEMS - 6525-66 ST FLOYDMINSTER, AB (703)875-0075



OPTIMIZATION

- Rodstar design
 - Rod string optimization
 - Rod string analysis, pump sizing, reduced tubing wear
 - Prime Mover optimization
 - Clutch actuator (electric or manual)
 - Stroke per minute calculations
- POCs (Pump Off Control)
- VSD with integrated POC



OPTIMIZATION CONTINUED

- SCADA
- Fluid level shots
- Well Review
- Create life of well files
- Rod Pump Tracker
 - Rod Failure Analysis
 - MTBF (Meantime Between Failure)



AUTOMATION

- SPI provides service, installation and troubleshooting of all make/model/brand VSDs and POCs.
- SPI refurbishes and remanufactures old and antique automation hardware systems.
- SPOC automation distributor for new VSDs and POCs.
- Telemetry and monitoring offered through SCADA software.



FABRICATION

- 70,000 sq. ft. Shop Space
- 350 Ton Press Brake
- 10 x 24 ft. Plasma Table – 1.25 in. Capacity
- 30 Ton Bridge Crane(4) – 24 ft. Hook Height
- Paint and Sand Blasting
- Beam Pumping Unit Repair Shop

