Pump Jack Specifications

1. Structural Steel is fabricated from type ASTM A-36 Steel.
2. Welders are all AWS Certified
3. Unit is completely primed then painted with High Performance Industrial Paint
4. Type 16 Walking Beams are W8 @ 15 Steel
5. Type 16 Pitman Arms are C4 @ 5.4 Steel
6. Type 16 Main Base is C6 @ 8.2 Steel
7. Crank Arms are all Ductile Iron (castings)
8. Wrist Pin Assembly – Double Row Deep Groove Roller Bearings
9. Saddle and Pitman Arm Bushings – Oil Impregnated Bronze Bushings
10. Band Brake standard on 16 and 25 units
11. 3 Year Limited Warrantee on all units
12. Manufacturing Facility located in Sheffield Pennsylvania
13. 10 – Adjustable Stroke Lengths: 10", 12"& 15"
14. 16 – Adjustable Stroke Lengths: 16", 20", 24" & 30"
15. 25 – Adjustable Stroke Lengths: 21", 25", 30" & 36"

Gearbox Specifications: Exceeds API 11E

1. Gears and Pinions are all "8620" Premium Steel
2. Gears and Pinions are all Heat Treated to 55-60RC (.30-.40 deep)
3. Heavy duty Tapered Roller Bearing (larger than required)
4. Ductile Iron Machined Housings
5. "10" Gearbox has 30:1 Ratio
6. "10" Gearbox has 2X Service Factor (Up to 20,000in lbs output torque)
7. "16" Gearbox has 36.7:1 Ratio
8. "16" Gearbox has 2X Service Factor (Up to 32,000in lbs output torque)
9. "25" Gearbox has 30:1 Ratio
10. "25" Gearbox has 2X Service Factor (Up to 50,000in lbs output torque)

Pump Jack Testing

Gearboxes: All gearboxes are 100% tested for the following:

1. **Backlash**
2. **Noise Level**
3. **Run Under Load**
4. **Double Checked for Leaks and Cosmetics**
5. **Gears Checked for Pitch Diameter**
6. **Gears Checked for RC Hardness**

Complete Units:

1. **All units are 100% test run 1 hour prior to shipping**
2. **On Going Max Testing of units**
3. **10, 16 and 25 units were run continuously for 72 hours with unbalanced weight, simulating 20,000, 32,000 and 50,000 in.lb. torque respectively.**

DRAKE PUMP JACKS

3 YEAR LIMITED WARRANTY
HIGHEST CAPACITY GEARBOX IN THE OILFIELD
QUICK TURN AROUND ON ORDERS