

DANSCO MFG., INC.

presents

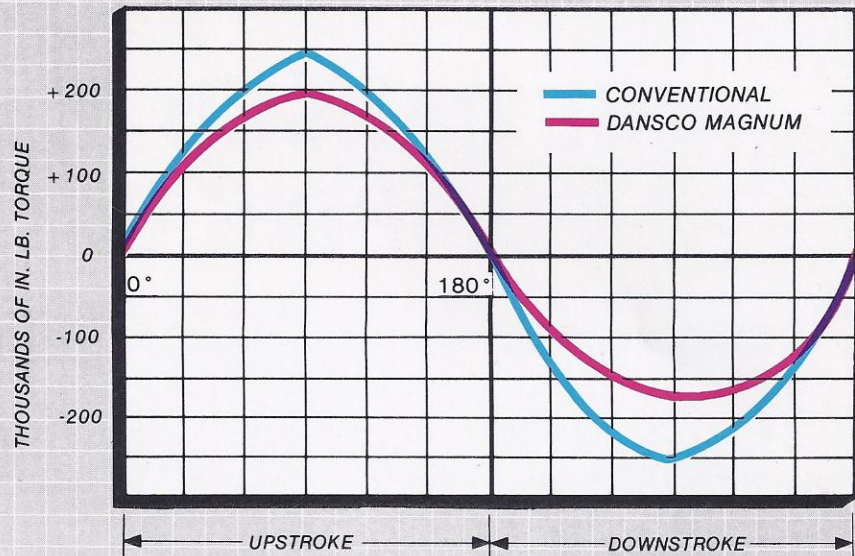
“THE DANSCO MAGNUM PUMPING UNIT”



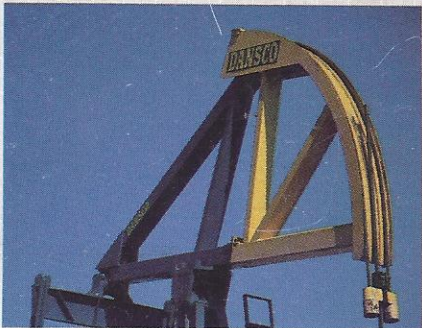
**The Futuristic Approach to
Fiberglass Rod Pumping Systems**

1 Lower Initial Investment.

- Unique geometry reduces gearbox torque.
- Compared to conventional geometry, the DANSCO MAGNUM will in most cases allow a reduction in gearbox size without overloading.



- Lightweight cranks permit balancing with fiberglass rod.
- Insert pocket weights are available for additional ECB.



- Reduced stringweight prompts scaledown of structure capacity.
- 40%, 50%, or 60% reductions in weight allows reduction in structure capacity.



- The MAGNUM was designed with longer stroke to enhance efficiency of fiberglass.
- Stepdown of structure and gear reducer without sacrificing stroke length.

BOTTOMLINE: Reduction in API Size and More Dollars Saved.

2 Reduced Operating Costs.

FACT:

Electric Costs Will Escalate!

Pumping units purchased today will be encumbered by electric costs of the future!

- Lower cyclic load factors indicate reduced KW consumption.
- More even distribution of load is achieved with MAGNUM geometry.
- Phased cranks position counterbalance to decrease net torque.
- Scaledown of mass and ponderousness results in lower required horsepower.



**BOTTOMLINE: All Designed in One
Package for Reduced KW Consumption.**

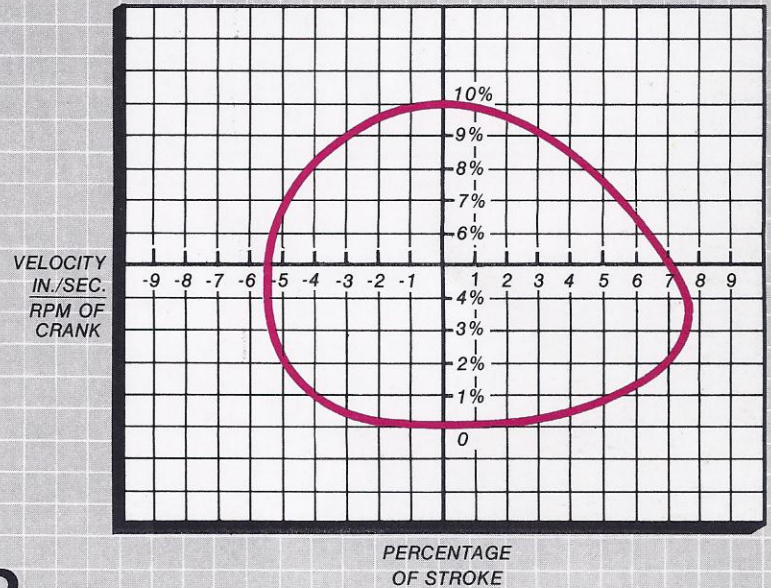
3 Move More Fluid.

FACT:

Fiberglass Stretches.

Advantage? Or Disadvantage...?

- Acceleration factors of conventional pumping units are best suited for steel sucker rod, reducing rod stress at the bottom of the downstroke.
- When conventional units are coupled to fiberglass rod, greatest stretch occurs when pump loading commences at the start of the upstroke. This stretch allows the pump plunger to hesitate until sufficient tension is applied from the surface to start the pump plunger moving..., a waste and a disadvantage....



THE MAGNUM ANSWER

- Acceleration on the downstroke that actually slings the fiberglass rod-string to its greatest over-travel.
- Production increases will depend on rod design and strokes per minute. Realistic over-travels can be expected as much as two to four feet.
- Fluid displacement of the net pump stroke will increase with over-travel. In most cases, net pump stroke will be greater than surface stroke.

BOTTOMLINE: Count on More Fluid with a DANSCO MAGNUM.

DANSCO CONVENTIONAL UNITS



D-10-32-18



D-16-27-30



D-25-56-36



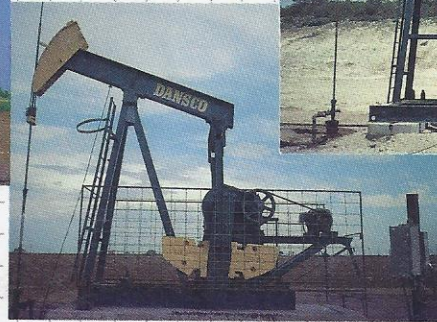
D-40-76-42



D-40/50-89-42



D-50-89-42



D-57-109-48



D-80-133-54



D-114-179-64



D-160-200-76



TERRELL, DANSCO and LAWTON Gear Boxes.



D-228-213-86



D-320-305-100

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THE DANSCO OBJECTIVE:

**MORE BARRELS
IN THE TANK
AT A LESSER COST!**

**THEREFORE...
the GAME PLAN for
the FUTURE:**

1. Lower Initial Investment.
2. Reduced Cost of Operation.
3. Move More Fluid.