

Hydrocarbon Recovery Systems



Water Table Depression Pump XP Control Module

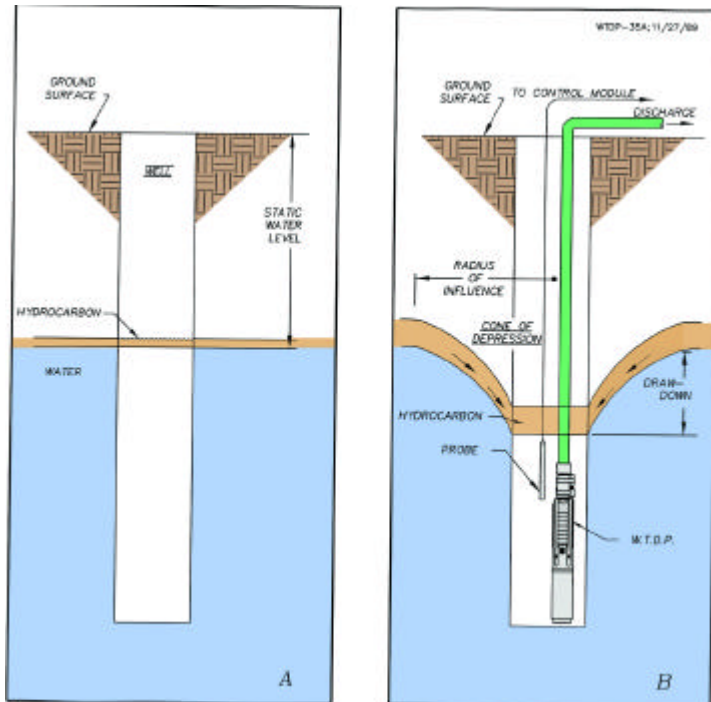
The Water Table Depression Pump (WTDP) when used in conjunction with hydrocarbon recovery pumping systems, is designed to facilitate the concentration and recovery of hydrocarbon. The system works by locally depressing the water table to create a "cone of depression" into which polluting hydrocarbon will flow with the surrounding groundwater.

FEATURES

- Water override shut-off
- Red override indicator
- Green pump running indicator
- Class 1, Div 1 explosion proof housing

OPERATION

The figure below compares recovery wells before and after a WTDP has been used to create a cone of depression. Note that the hydrocarbon layer becomes thicker after a cone of depression has been established. Static water level is the distance from the ground surface to the hydrocarbon/water interface. This level drops in the well when pumping begins. Drawdown is therefore the depth of the cone of depression. Radius of influence is the distance from the well center to the limit of the cone of depression.



Cone of Depression - Before and After



WTDP Control Module

SPECIFICATIONS

Dimensions

17.75" W x 9.75" H x 18.0" D (45.1 x 24.77 x 45.7cm)

Weight

Approx. 30 lbs (11.2 kg)

Power Requirements

115/230 VAC Models

Intrinsically safe probe outputs

CALL GEOTECH TODAY (800) 833-7958

Geotech Environmental Equipment, Inc.

2650 East 40th Avenue • Denver, Colorado 80205

(303) 320-4764 • (800) 833-7958 • FAX (303) 322-7242

email: sales@geotechenv.com website: www.geotechenv.com