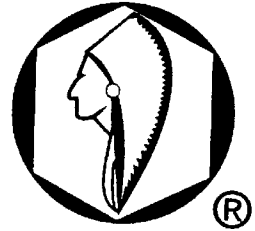


Piston Pumping Solutions - Refinery

*Difficult Pumping Applications from
Blackhawk Environmental Company*



Blackhawk Explosion-Proof Electric Anchor Pump® and Electric Control Panel is the Answer to Labor- and Cost-Efficient Petroleum Byproduct Remediation for Large US Refinery

A Texas refinery has extensive crude oil and natural gas liquid processing operations that include mainly heavy, high-sulfur crudes.

The refinery owner works hard to be environmentally sound and a good neighbor, but maintaining the bottom line is a priority, too, as the company takes its responsibility to its stakeholders seriously. Recently, this company significantly reduced petroleum byproduct remediation costs at this refinery by drilling two recovery wells and installing explosion-proof Electric Anchor Pumps® from Blackhawk Environmental Co. (Glen Ellyn, Ill.) and a storage tank.



Blackhawk Explosion-Proof Electric Anchor Pump pumps old extremely flammable viscous petroleum byproduct 24 hours/day.

The explosion-proof pumps and controls were specifically designed and built to the refinery's required specifications. The pumps needed to handle the extremely flammable and unstable liquid from well to storage tank.

Before switching to continuous remedial pumping using the Blackhawk Anchor piston pumps, the company relied on a vacuum truck, which was employed three times a week. The vacuum truck method was costly and labor-intensive. Drilling the two recovery wells and installing two Blackhawk Electric Anchor Pumps with electric control panels and a storage tank eliminated the need for the vacuum trucks. Now they simply empty the storage tank as needed, saving hours of time and labor costs. The pumps are working well, pumping hazardous viscous material for the company day and night.

Blackhawk's explosion-proof Electric Anchor top head drive piston pump and electric control panel are designed for pumping hazardous fluids and for pumping in potentially hazardous and explosive environments, such as refineries, petrochemical and chemical facilities. Its armored, explosion-proof box meets UL 698, Class I, Div 5, Group D classifications. The pump inlet is at the bottom of the pump, so the pump works like a syringe, creating powerful suction to pull the liquid into the pump with every stroke and to draw it to the bottom of the well for reliable results and maximum product recovery. Due to the piston pump's top head drive design, the pump's explosion-proof motor and electrical power cords are located outside the sump or well, and the pump is easy to inspect, maintain and troubleshoot.



Blackhawk Explosion-Proof Electric Pump and controls installed at the petroleum refinery.

Made of stainless steel and Viton, the Electric Anchor Pump has shallow and deep well capabilities. The electric control panel operates the pump and provides a controlled recovery rate, eliminating pump wear and tear, controlling stop and start frequencies, and extending and retracting speed rates.

Blackhawk Environmental Co. specializes in manufacturing quality pumps and controls for demanding applications. For more than a decade, Blackhawk pumps have been custom manufactured and successfully operated in a wide range of pumping operations. The company is headquartered in Glen Ellyn, Ill.



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