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## DEDICATED FREE-PHASE HYDROCARBON RECOVERY FORM

### CUSTOMER INFORMATION

Name _____	Title _____
Company _____	
Address _____	
Email _____	Phone _____
Customer # _____	

### SITE BASICS

Site Name _____	<b>Are these pumps replacing existing pumps onsite?</b>
Location _____	<input type="checkbox"/> Yes
Total # of Recovery Wells _____	<input type="checkbox"/> No
Total # of New Pumps _____	<input type="checkbox"/> Some, not all
Estimated Date of Install _____	Brand of Existing Pump(s) _____
Total # of Existing Pumps _____	Brand of Existing Controller _____

### SITE CHARACTERISTICS

<p><b>Corrective Action Liquid Type</b></p> <p><input type="checkbox"/> LNAPL</p> <p><input type="checkbox"/> DNAPL</p> <p><input type="checkbox"/> Dissolved</p> <p>Chemical Being Recovered: _____  <small>(e.g.: gasoline, #2 fuel oil, PCE, TCE, etc)</small></p> <p><b>Viscosity of NAPL:</b> _____ Units _____ Temp _____ C°</p> <p><b>Product Recovery Rate</b> _____ gpm</p> <p><b>Estimated Volume being Recovered?</b> _____ gallons</p> <p><b>Well Type</b></p> <p><input type="checkbox"/> Vertical</p> <p><input type="checkbox"/> Sloped Riser</p> <p><input type="checkbox"/> Open Water</p>	<p><b>Salinity Level</b></p> <p><input type="checkbox"/> Fresh Water: &lt; 1000 µS/cm</p> <p><input type="checkbox"/> Brackish Water: 1000 to 17,000 µS/cm</p> <p><input type="checkbox"/> Saltwater &gt; 17,000 µS/cm</p> <p><b>Total Dissolved Solids</b></p> <p><input type="checkbox"/> TDS &lt; 500 ppm</p> <p><input type="checkbox"/> TDS &gt; 500ppm</p> <p><b>Pumping Water to Influence NAPL Migration?</b></p> <p><input type="checkbox"/> Yes</p> <p><input type="checkbox"/> No</p>
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### TOOLBOX

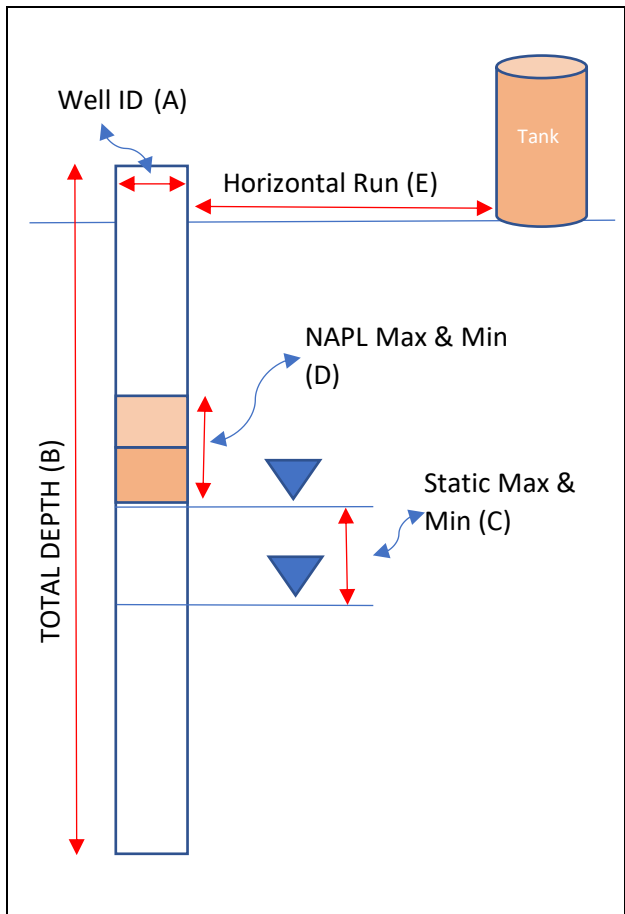
<p><b>Available Power</b></p> <p><input type="checkbox"/> No Power Available</p> <p><input type="checkbox"/> AC 115V, 1PH, Grid or Generator</p> <p><input type="checkbox"/> AC 230V, 1PH, Grid or Generator</p> <p><input type="checkbox"/> AC 230V, 3PH, Grid or Generator</p> <p><input type="checkbox"/> Other _____</p> <p><b>Preferred Recovery Method</b></p> <p><input type="checkbox"/> Active</p> <p><input type="checkbox"/> Passive</p>	<p><b>Other Field Equipment to Quote</b></p> <p><input type="checkbox"/> Pump Controller</p> <p><input type="checkbox"/> Inline Flow Meter with Totalizer</p> <p><input type="checkbox"/> Down Well Fluid Level Sensor</p> <p><input type="checkbox"/> Tankful Shut Off Sensor</p> <p><input type="checkbox"/> Oil &amp; Water Interface Meter</p> <p><input type="checkbox"/> Remote Telemetry</p> <p><input type="checkbox"/> System Installation &amp; Start-Up</p> <p><input type="checkbox"/> Other: _____</p>
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**Additional Notes**

#	Well ID#	Inside Diameter- Inches (A)	Total Well Depth- Feet (B)	Min & Max H2O Level- Feet (C)	Min & Max NAPL Reported- Inches (D)	Horizontal Distance to Recovery Tank- Feet (E)	Total Dynamic Head- Feet (F)
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							

If more than 10 pumps are installed, attach an excel document.

System Assembly Total: \_\_\_\_\_ ft



A) Measuring the well ID and OD refers to the process of determining the internal diameter and outside diameter of a wellbore or well.

B) The total depth of the well, the distance from the top of the casing to the bottom of the well casing. This can be measured with a Geotech Water Level Meter.

C) Depth to water is the distance from the Top of Casing to the static water level refers to the vertical distance in feet from the TOC to Water Surface. A Geotech Water Level Meter or Interface Meter can be used to measure this distance. The range of reported fluctuation due to seasonal or tidal changes is important when recommending a system for NALP recovery.

D) Light Non-Aqueous Phase Liquid (LNAPL) or Dense Non-Aqueous Phase Liquid (DNAPL) thickness can vary significantly depending on the specific conditions of the site and the type of LNAPL. It's crucial to note that precise measurements are often challenging due to fluctuations in groundwater levels and the propensity of LNAPL to migrate within subsurface environments. A Geotech Interface Meter can be used to measure thickness of LNAPL or DNAPL.

E) The total fluid horizontal run distance, including bends, refers to the cumulative length of a pipeline or conduit through which a fluid travels, accounting for all straight sections and curved turns.

F) Total Dynamic Head (TDH) is a crucial parameter in fluid dynamics, representing the total equivalent height that a fluid is to be pumped, considering friction losses in the pipe and changes in speed or direction of fluid flow.