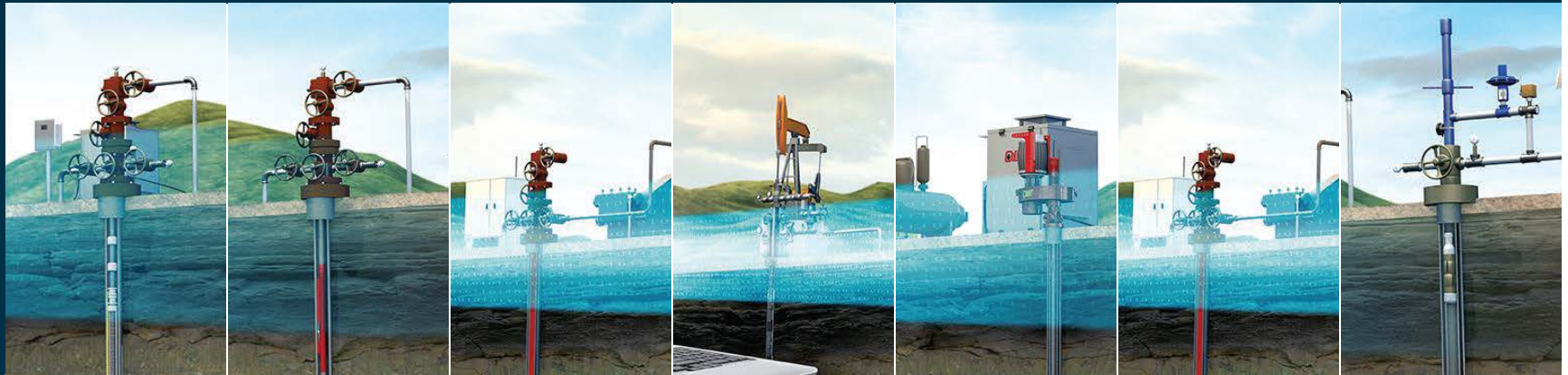




# Artificial Lift Selection Process

Elevating returns through a comprehensive suite of technology and services.



<b>ELECTRIC SUBMERSIBLE</b>	<b>GAS LIFT</b>	<b>HYDRAULIC JET</b>	<b>ROD LIFT</b>	<b>PROGRESSING CAVITY</b>	<b>HYDRAULIC PISTON</b>	<b>PLUNGER LIFT</b>
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<b>Operating Depth</b>	1,000 - 15,000 TVD	5,000' - 15,000 TVD	5,000 - 18,000 TVD	100' - 16,000 TVD	2,000' - 6,000 TVD	7,000 - 20,000 TVD	8,000 - 19'000 TVD
<b>Operating Volume</b>	100 - 30,000 BPD	200 - 30,000 BPD	100 - 10,000 BPD	5 - 5000 BPD	5 - 4500 BPD	10 - 1,000 BPD	1 - 300 BPD
<b>Operating Temperature</b>	100 - 400 F	100 - 400 F	100 - 500 F	100 - 500 F	75 - 250 F	100 - 500 F	130 - 500 F
<b>Corrosion Handling</b>	Good	Good to Excellent	Excellent	Good to Excellent	Fair	Good	Excellent
<b>Gas Handling</b>	Fair to Good	Excellent	Good	Fair to Good	Good	Fair	Excellent
<b>Solids Handling</b>	Fair to Good	Good	Excellent	Fair to Good	Excellent	Poor	Fair
<b>Fluid Gravity</b>	>10 API	>15 API	>8 API	>8 API	<35 API	>8 API	GLR Required 300 SCF/BBL
<b>Servicing</b>	Workover or Pulling Unit	Wireline or Workover Rig	Pump Up or Wireline	Workover or Pulling Unit	Workover or Pulling Unit	Pump Up or Wireline	Wellhead Catcher or Wireline
<b>Prime Mover</b>	Electric or Multy Cylinder	High Pressure Gas	Electric or Natural Gas	Gas or Electric	Gas or Electric	Electric or Natural Gas	Wells' Natural Energy
<b>Offshore Application</b>	Excellent	Excellent	Excellent	Limited	Good	Good	N/A
<b>Overall System Efficiency</b>	35% - 50%	10% - 30%	10% - 30%	45% - 60%	40% - 70%	45% - 55%	N/A