

# Pegasus Vertex, Inc

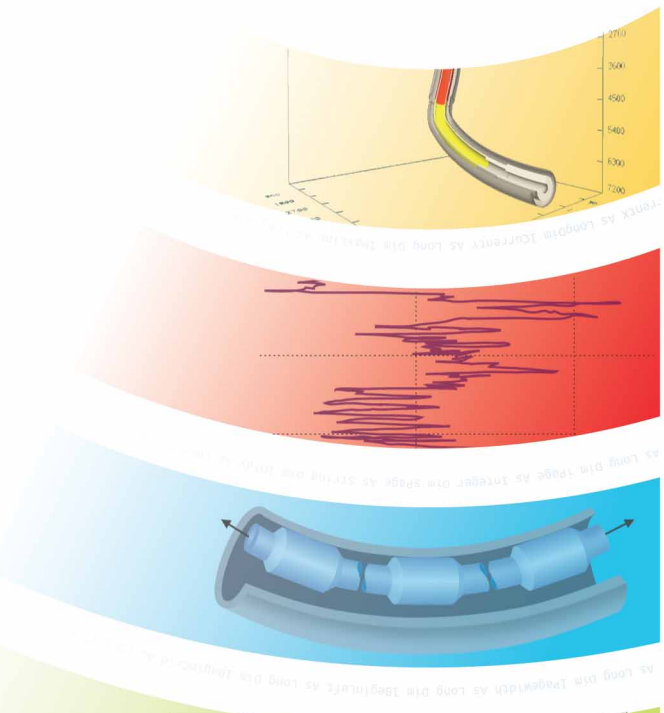
## Drilling engineering software



With decades' of engineering and development efforts, Pegasus Vertex, Inc. has developed a suite of drilling software to meet the challenges that operators and service companies face today.

PVI software brings you the latest in technical advances in the form of simplicity and superior usability.

-  **TADPRO** – torque and drag
-  **HYDPRO** – drilling hydraulics
-  **Dr. DE** – drilling engineering toolbox
-  **MUDPRO** – drilling mud reporting
-  **SurgeMOD** – surge pressure prediction
-  **CentraDesign** – centralizer placement
-  **CEMVIEW** – cementing engineering toolbox
-  **CEMPRO** – cementing job simulator
-  **CWPRO** – casing wear prediction
-  **PathView** – 3D well path visualization
-  **TMPRO** – tubing movement
-  **UBDPRO** – underbalanced drilling hydraulics



Category	Quantity	Length (ft)	Depth (ft)	Comp. (lb/ft)	Wt (lb)	Wt (lb)	(ft)	(ft)	(ft)	(ft)
Casing hole	20'	13.395'	100'	100'	0.1416	14.1	79	21	0	0
Open hole	17.5'	13.395'	4,200'	0.1237	479.3	2,651	762	85.1	365	83
Open hole excess					479.3	269	79	8.5	37	8
Displacement					18.0	56	17	10.0	56	13
Shoe track					0.1494	0	0	12.0	67	15
Total					561.3	3,088	916	102.5	526	119

Spacer additives	Price	Amount	(ft)	Spacer	Price	Amount	Amount	(ft)
EO-Chab	153.00	50.00	15	341.00	70.26	300.00	100.00	30.54
Total cost (\$)				341.00				341.00
Cementing process at shoe				Spacer				Total
Max Differential		775.8 (ft)		Spacer	214	14	3,200	54,964
Differential after Placement		768.0 (ft)						
Hydrostatic after Placement		2,309.4 (ft)						

Drilling design hole	Flowing water (or cement)	Type	(ft) <th>(ft) <th>Mixing (ft) </th></th>	(ft) <th>Mixing (ft) </th>	Mixing (ft)
Water	0.00	Fresh	800	20	0
Water	0.00	Fresh	800	20	0

Sophisticated yet simple