

Separator Calculation Results

Separator Type	Reason	Oil Flow (BOPD)	Water Flow (BWPD)	Gas Flow (MMscfd)	Sand Content (%)	Separated Oil (BOPD)	Separated Water (BWPD)	Separated Gas (MMscfd)	Flash Oil Fraction (%)	Flash Water Fraction (%)	Flash Gas Fraction (%)
Horizontal Separator	High gas, water, and sand content; suitable for managing multiphase flows.	5000	6000	10.5	0	795000.0	952010.881142249	0.2973520836291097	45.50608	54.49344	0.00048
Vertical Separator	Default choice for general conditions.	5000	6000	6.6	0	795000.0	952748.7227670402	0.18690702399544046	45.48695	54.51275	0.00030
Vertical Separator	Recommended for high sand content to minimize clogging.	4000	5000	6.0	12	636000.0	793815.2913443214	0.16991547635949134	44.48112	55.51854	0.00034
Vertical Separator	Recommended for high sand content to minimize clogging.	4200	5200	12.0	10	667800.0	824456.3245063466	0.3398309527189826	44.75074	55.24862	0.00064