Petr 311
Homework

Rig data
Pumps HP 1000 Max Rate 620 GPM
Drill String DP 4.5”OD 3.825”ID DC 6”OD 2”ID Length 690’
Maximum surface Pressure 2500 psi
Surface Connections Type #3

Mud data
MW 9.8 ppg Θ600 120 Θ300 75

Hole Data
8”

Calculate the Hydraulic System at a depth of 12,500 ft. This should include the size of the jets, rate and standpipe pressure.