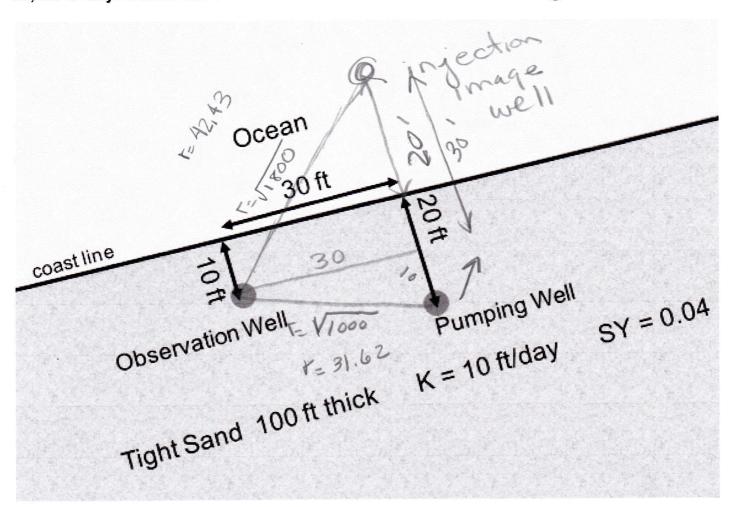
NOTE: Supplemental Materials pages 9-12
Page 9 Piper Graph Paper Page 10-11 Chemical Constants
Page 12 Well Functions

Note point values: Problem 1 and 2 are 30 points each
Problem 3 = 15 points Problem 4 = 25 points

ANSWER THE QUESTION ON THE FOLLOWING PAGE, SHOW YOUR WORK

## **USE UNITS of FEET and DAYS**

The pumping well in the figure below withdraws 40,000 ft<sup>3</sup>/day of groundwater beginning on Nov 1<sup>st</sup> at noon. At noon on Nov 4 the withdrawal of groundwater is decreased to a rate of 25,000 ft<sup>3</sup>/day. What is the drawdown at the observation well on Nov 6 @ noon?



## PROVIDE CALCULATIONS AND ANSWERS TO PROBLEM 1 HERE

## USE UNITS of FEET and DAYS SHOW YOUR WORK!!!!

NoVI 340000 ft 3/day 
$$\frac{3}{25,0000}$$
 Nove  $\frac{3}{4}$  Nove  $\frac{3}{4}$