

DRILL STEM TESTS

8585-8771', op 1 hr, 23 min, small blow air 10 min & died, left op 1 hr, closed & reop W/light blow air for 5 min & died. Recovered 105' drlg mud, no shows oil, gas or water.

8768-8895', op 1 hr, 40 min, fair blow air which gradually decreased & died. Recovered 510' drlg mud, no shows oil, gas or water.

8894-9050', op 4 hrs, good blow, gas in 9 min, Gas vol 768,800 cu ft per day, recovered 720' oil, 1480' drlg mud, no water.

9050-9075', op 4 hrs, gas in 4 min, oil in 22 min, 1st hr 41.53 bbls oil, .2% mud, no water; 2nd hr 49.14 bbls. oil, ditto mud & water; 3rd hr 47.76 bbls oil, ditto mud & water; 4th hr 48.45 bbls. oil, ditto mud & water. Made 16.61 bbls. in 1 hr after tool closed; gas vol 1,287 MCF/day. Recovered 1340' oil, 210' salt water.

9340-9395', - Not successful - Packers gave way.

9320-9395', op 4 hrs, gas in 27 min, steady blow throughout test, recovered 933' drlg mud cut 5% gas, no show oil or water.

QUESTION 1

1.1. The following table shows the number of people who attended a concert in each of the five years from 2010 to 2014.

Year: 2010, 2011, 2012, 2013, 2014
Number of people: 1200, 1500, 1800, 2100, 2400

1.2. Calculate the mean number of people who attended the concert in each of the five years.

1.3. Calculate the standard deviation of the number of people who attended the concert in each of the five years.

$$\text{Mean} = \frac{1200 + 1500 + 1800 + 2100 + 2400}{5} = 1800$$

1.4. Calculate the variance of the number of people who attended the concert in each of the five years.