

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

REQUEST FOR PERMISSION TO CONNECT WITH PIPE LINE

This request should be SUBMITTED IN TRIPLICATE. See instructions in the Rules and Regulations of the Commission.

Hobbs, New Mexico Place Oct. 11, 1937 Date

OIL CONSERVATION COMMISSION, Santa Fe, New Mexico.

Gentlemen:

Permission is requested to connect Repollo Oil Company Ida A. White Company or Operator Lease

Wells No. 1 in N/2SE/4 of Sec. 35, T. 20S, R. 36E, N. M. P. M.,

Eunice Field, Lea County, with the pipe line of the

Texas New Mexico Pipe Line Company, Wink, Texas. Pipe Line Co. Address

Status of land (State, Government or privately owned) Privately

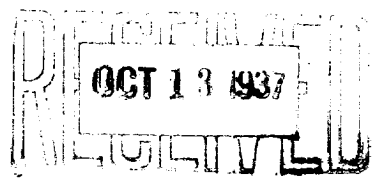
Location of tank battery N/2SE/4 Sec. 35-20S-36E

Description of tanks 500 Bbl. Low Steel Bolted W/ Decks

Logs of the above wells were filed with the Oil Conservation Commission 10/11/37, 19

All other requirements of the Commission have [####] been complied with. (Cross out incorrect words.)

Additional information:



DUPLICATE

Yours truly,

Permission is hereby granted to make pipe line connections requested above.

OIL CONSERVATION COMMISSION,

Repollo Oil Company Owner or Operator

By G. D. Mearl State Geologist

By L. Surrick

Title Member Oil Conservation Commission

Position Dist. Supt.

Date OCT 13 1937

Address Hobbs, N.M.

Question 1: A bag contains 5 red balls and 3 blue balls. Two balls are drawn at random without replacement. Find the probability that both balls are red.

Solution: Total balls = 5 + 3 = 8. Probability of first ball being red = 5/8. Probability of second ball being red = 4/7. Total probability = (5/8) * (4/7) = 5/14.

Question 2: A fair six-sided die is rolled twice. Find the probability that the sum of the two rolls is 7.

Solution: Total possible outcomes = 6 * 6 = 36. Outcomes that sum to 7: (1,6), (2,5), (3,4), (4,3), (5,2), (6,1). There are 6 favorable outcomes. Probability = 6/36 = 1/6.

Question 3: A box contains 10 cards numbered 1 to 10. Two cards are drawn at random without replacement. Find the probability that the sum of the two numbers is 11.

Solution: Total possible outcomes = 10 * 9 = 90. Outcomes that sum to 11: (1,10), (2,9), (3,8), (4,7), (5,6), (6,5), (7,4), (8,3), (9,2), (10,1). There are 10 favorable outcomes. Probability = 10/90 = 1/9.

Question 4: A bag contains 3 red balls, 2 blue balls, and 5 green balls. Three balls are drawn at random without replacement. Find the probability that all three balls are the same color.

Solution: Total balls = 3 + 2 + 5 = 10. Probability of all red = (3/10) * (2/9) * (1/8) = 1/120. Probability of all blue = (2/10) * (1/9) * (0/8) = 0. Probability of all green = (5/10) * (4/9) * (3/8) = 1/12. Total probability = 1/120 + 0 + 1/12 = 11/120.

QUESTION

Question 5: A fair six-sided die is rolled three times. Find the probability that the product of the three rolls is 12.

Solution: Total possible outcomes = 6 * 6 * 6 = 216. Outcomes that result in a product of 12: (1,2,6), (1,3,4), (2,2,3), (2,3,2), (3,2,2), (3,4,1), (4,3,1), (6,2,1). There are 8 favorable outcomes. Probability = 8/216 = 1/27.