

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS NOTICES

RECEIVED

FEB 14 1948

Submit this notice in triplicate to the Oil Conservation Commission or its proper agent before the work is to begin. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission or agent, of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of notice by checking below:

Artesia Office

NOTICE OF INTENTION TO TEST CASING SHUT-OFF		NOTICE OF INTENTION TO SHOOT OR CHEMICALLY TREAT WELL	
NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING	
NOTICE OF INTENTION TO REPAIR WELL	X	NOTICE OF INTENTION TO PLUG WELL	
NOTICE OF INTENTION TO DEEPEN WELL	X		

Artesia, New Mexico

December 15, 1948

Place

Date

OIL CONSERVATION COMMISSION, Santa Fe, New Mexico.

Gentlemen:

Following is a notice of intention to do certain work as described below at the

Jones & Watkins Platt Well No. 1 in SW/4SW/4
Company or Operator Lease
of Sec. 26, T. 18S, R. 26E, N. M. P. M., Dayton Field,
Eddy County.

FULL DETAILS OF PROPOSED PLAN OF WORK

FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS OF THE COMMISSION

Propose to clean out well from 1122' to 2455' and run electric survey.

FEB 15 1949

Approved _____, 19____
except as follows:

Jones & Watkins

Company or Operator

By _____

Position _____

Send communications regarding well to

Name Stanley L. Jones

Address Box 464, Artesia, N. M.

OIL CONSERVATION COMMISSION,

By _____

Title ARTESIA REPRESENTATIVE

THE UNIVERSITY OF CHICAGO

PHYSICS DEPARTMENT

PHYSICS 551 - QUANTUM MECHANICS

PROBLEM SET 10

Due: Friday, November 10, 2017

1. A particle of mass m is confined to a one-dimensional infinite potential well of width a . The potential is zero for $0 < x < a$ and infinite elsewhere. The wave function $\psi(x)$ is real and satisfies the boundary conditions $\psi(0) = \psi(a) = 0$. The wave function is given by

$$\psi(x) = \sqrt{\frac{2}{a}} \sin\left(\frac{n\pi x}{a}\right)$$

where n is a positive integer. Calculate the expectation value of the momentum $\langle p \rangle$ for this state.

2. A particle of mass m is confined to a one-dimensional infinite potential well of width a . The potential is zero for $0 < x < a$ and infinite elsewhere. The wave function $\psi(x)$ is real and satisfies the boundary conditions $\psi(0) = \psi(a) = 0$. The wave function is given by

$$\psi(x) = \sqrt{\frac{2}{a}} \sin\left(\frac{n\pi x}{a}\right)$$

where n is a positive integer. Calculate the expectation value of the momentum $\langle p \rangle$ for this state.

PROBLEM SET 11

Due: Friday, November 17, 2017

1. A particle of mass m is confined to a one-dimensional infinite potential well of width a . The potential is zero for $0 < x < a$ and infinite elsewhere. The wave function $\psi(x)$ is real and satisfies the boundary conditions $\psi(0) = \psi(a) = 0$. The wave function is given by

$$\psi(x) = \sqrt{\frac{2}{a}} \sin\left(\frac{n\pi x}{a}\right)$$

where n is a positive integer. Calculate the expectation value of the momentum $\langle p \rangle$ for this state.

2. A particle of mass m is confined to a one-dimensional infinite potential well of width a . The potential is zero for $0 < x < a$ and infinite elsewhere. The wave function $\psi(x)$ is real and satisfies the boundary conditions $\psi(0) = \psi(a) = 0$. The wave function is given by

$$\psi(x) = \sqrt{\frac{2}{a}} \sin\left(\frac{n\pi x}{a}\right)$$

where n is a positive integer. Calculate the expectation value of the momentum $\langle p \rangle$ for this state.

PROBLEM SET 12

Due: Friday, November 24, 2017

1. A particle of mass m is confined to a one-dimensional infinite potential well of width a . The potential is zero for $0 < x < a$ and infinite elsewhere. The wave function $\psi(x)$ is real and satisfies the boundary conditions $\psi(0) = \psi(a) = 0$. The wave function is given by

$$\psi(x) = \sqrt{\frac{2}{a}} \sin\left(\frac{n\pi x}{a}\right)$$

where n is a positive integer. Calculate the expectation value of the momentum $\langle p \rangle$ for this state.

2. A particle of mass m is confined to a one-dimensional infinite potential well of width a . The potential is zero for $0 < x < a$ and infinite elsewhere. The wave function $\psi(x)$ is real and satisfies the boundary conditions $\psi(0) = \psi(a) = 0$. The wave function is given by

$$\psi(x) = \sqrt{\frac{2}{a}} \sin\left(\frac{n\pi x}{a}\right)$$

where n is a positive integer. Calculate the expectation value of the momentum $\langle p \rangle$ for this state.