

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS NOTICES

Submit this notice in triplicate to the Oil Conservation Commission or its proper agent before the work specified 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 its 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:

NOTICE OF INTENTION TO TEST CASING SHUT-OFF	5 1/2"	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		NOTICE OF INTENTION TO PLUG WELL	
NOTICE OF INTENTION TO DEEPEN WELL			

Hobbs, New Mexico September 21st 1936

Place

Date

OIL CONSERVATION COMMISSION,

Santa Fe, New Mexico.

Gentlemen:

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

Gulf Oil Corpa - Gypay Diva. H. C. Collins Well No. 13 in C SW/4 NE/4
 Company or Operator Lease
 of Sec. 14, T. 21S, R. 36E, N. M. P. M., Eunice Field,
 Lea County.

FULL DETAILS OF PROPOSED PLAN OF WORK

FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS OF THE COMMISSION

On September 20th, 1936 the 5 1/2" 17# 10thd New South Chester LW Steel casing was cemented in Lime at 3694' 9" with 300 sacks cement by the Halliburton Cementing process.

Propose to drill plug and test on September 23rd., 1936.

SEP 24 1936

Approved _____, 19____
 except as follows:

OIL CONSERVATION COMMISSION,

By _____

Title Oil & Gas Inspector

Gulf Oil Corpa - Gypay Division.

Company or Operator

By _____

Position District Supt.

Send communications regarding well to

Name C. C. Cummings.

Address Hobbs, New Mexico.

PHYSICS 354, SPRING 2007
 PROBLEM SET 10

Due: Friday, May 4, 2007
 (Bring this problem set to the recitation section of your section.)

1. (10 points) A particle of mass m moves in a one-dimensional potential $V(x)$. The potential is zero for $x < 0$ and $x > a$, and is given by $V(x) = V_0 \sin^2(\pi x/a)$ for $0 < x < a$. The particle is in the ground state of the potential. Find the probability of finding the particle in the region $0 < x < a/4$.

2. (10 points) A particle of mass m moves in a one-dimensional potential $V(x)$. The potential is zero for $x < 0$ and $x > a$, and is given by $V(x) = V_0 \sin^2(\pi x/a)$ for $0 < x < a$. The particle is in the ground state of the potential. Find the probability of finding the particle in the region $a/4 < x < a/2$.

3.

4. (10 points) A particle of mass m moves in a one-dimensional potential $V(x)$. The potential is zero for $x < 0$ and $x > a$, and is given by $V(x) = V_0 \sin^2(\pi x/a)$ for $0 < x < a$. The particle is in the ground state of the potential. Find the probability of finding the particle in the region $a/2 < x < 3a/4$.

5. (10 points) A particle of mass m moves in a one-dimensional potential $V(x)$. The potential is zero for $x < 0$ and $x > a$, and is given by $V(x) = V_0 \sin^2(\pi x/a)$ for $0 < x < a$. The particle is in the ground state of the potential. Find the probability of finding the particle in the region $3a/4 < x < a$.

6. (10 points) A particle of mass m moves in a one-dimensional potential $V(x)$. The potential is zero for $x < 0$ and $x > a$, and is given by $V(x) = V_0 \sin^2(\pi x/a)$ for $0 < x < a$. The particle is in the ground state of the potential. Find the probability of finding the particle in the region $0 < x < a/4$ and $a/4 < x < a/2$.

7. (10 points)

8. (10 points) A particle of mass m moves in a one-dimensional potential $V(x)$. The potential is zero for $x < 0$ and $x > a$, and is given by $V(x) = V_0 \sin^2(\pi x/a)$ for $0 < x < a$. The particle is in the ground state of the potential. Find the probability of finding the particle in the region $0 < x < a/4$ and $a/2 < x < 3a/4$.

9. (10 points) A particle of mass m moves in a one-dimensional potential $V(x)$. The potential is zero for $x < 0$ and $x > a$, and is given by $V(x) = V_0 \sin^2(\pi x/a)$ for $0 < x < a$. The particle is in the ground state of the potential. Find the probability of finding the particle in the region $a/4 < x < a/2$ and $3a/4 < x < a$.

10. (10 points)

11. (10 points)

12. (10 points)

13. (10 points)