

**OIL CONSERVATION COMMISSION**  
Santa Fe, New Mexico  
**MISCELLANEOUS REPORTS ON WELLS**

**RECEIVED**  
FEB 23 1948  
**RECEIVED**  
HOBBS OFFICE

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below.

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON REPAIRING WELL	
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL	X		

Midland, Texas February 12, 1948

Date Place

OIL CONSERVATION COMMISSION,  
SANTA FE, NEW MEXICO  
Gentlemen:

Following is a report on the work done and the results obtained under the heading noted above at the Bay Petroleum Corporation Welch State Well No. 3 in the

NE NW Company or Operator 18 of Sec. 20-8 T. 33-E R. Lea N. M. P. M.,  
Salt Lake Field, Lea County.

The dates of this work were as follows: February 7, 8, & 9, of 1948

Notice of intention to do the work was (was not) submitted on Form C-102 on January 7 19 48 and approval of the proposed plan was (was not) obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

3100 ----- 2980 Cement plug with 20 sacks cement. HOWCO method.  
 2980----- 1200 Pumped in heavy mud.  
 1200----- 1152 Cement plug with 10 sacks cement. HOWCO method.  
 1152----- 10 Heavy mud pumped in.  
 10 ----- 0 Cement plug and 4" dry hole marker extending 48 above ground.

Recovered 1154' of 7" O.D. Casing  
419' of 8 5/8" O.D. Casing.

Witnessed by \_\_\_\_\_ Name \_\_\_\_\_ Company \_\_\_\_\_ Title \_\_\_\_\_

Subscribed and sworn before me this 12 th day of February 19 48  
Harry B. Campbell  
 Harry B. Campbell Notary Public in  
 and for Gaines, County, Texas  
 My commission expires June, 1949

I hereby swear or affirm that the information given above is true and correct.

Name D. W. Coffey  
 Position Production Superintendent  
 Representing The Bay Petroleum Corporation  
 Company or Operator  
 Address Box 1785, Midland, Texas

Remarks:

Ray Garbrauk  
 Name  
 Title

APPROVED

FEB 23 1948

Oil & Gas Inspector

Title

THE UNIVERSITY OF CHICAGO

PHYSICS DEPARTMENT

PHYSICS 439: QUANTUM MECHANICS

LECTURE 1: INTRODUCTION TO QUANTUM MECHANICS

The goal of this course is to provide a rigorous treatment of quantum mechanics, starting from the basic principles and leading to the modern developments in the field.

We will begin with a review of the classical mechanics and the limitations of the Newtonian approach.

The central theme of the course is the wave-particle duality and the uncertainty principle.

We will explore the formalism of quantum mechanics, including the Schrödinger equation and the Dirac notation.

The course will cover a wide range of topics, from the simple harmonic oscillator to the scattering theory.

By the end of the course, you should have a solid understanding of the foundations of quantum mechanics.

Prerequisites: PHYSICS 431, 432, 433, 434, 435, 436

Textbook: QUANTUM MECHANICS, 2nd Edition, by David J. Griffiths and Darrell F. Schroeter

Lecturer: JOHN H. COOPER

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Office Hours: FRIDAY 10:00-11:00 AM, SATURDAY 10:00-11:00 AM

Office Hours: SUNDAY 10:00-11:00 AM

Office Hours: MONDAY 10:00-11:00 AM

Office Hours: WEDNESDAY 10:00-11:00 AM

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