

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:

Table with 4 rows and 2 columns for selecting notice types: NOTICE OF INTENTION TO TEST CASING SHUT-OFF, CHANGE PLANS, REPAIR WELL, DEEPEN WELL, SHOOT OR CHEMICALLY TREAT WELL, PULL OR OTHERWISE ALTER CASING, PLUG WELL.

Hobbs, New Mexico
Place

October 4, 1937
Date

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico.

Gentlemen:

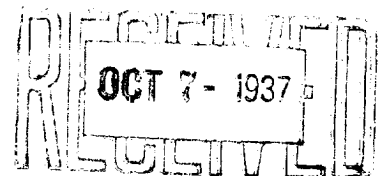
Following is a notice of intention to do certain work as described below at the

Skelly Oil Company State NM Well No. 1 in W/2 NW/4
Company or Operator Lease
of Sec. 25, T. 20, R. 36, 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

Drilled to depth of 232' set and cemented 13" OD casing at 226' with 160 sacks, circulated back to cellar - Halliburton process. Will let stand 48 hours and on Tuesday, October 5, at approximately 10:00 A. M. will drill plug and test for casing shut-off..



DUPLICATE

Approved OCT 7 1937, 19
except as follows:

Skelly Oil Company
Company or Operator
By J. T. Dunaway
Position District Superintendent
Send communications regarding well to
Name Skelly Oil Company
Address Hobbs, New Mexico

OIL CONSERVATION COMMISSION,
By Guy Shepard
Title Oil & Gas Inspector

PHYSICS 551

PHYSICS 551 is a course in quantum field theory. It covers the foundations of quantum field theory, including the path integral formalism, gauge theories, and renormalization. The course is designed for students who have completed a graduate-level course in quantum mechanics and have a strong background in classical mechanics and electromagnetism.

PHYSICS 551: QUANTUM FIELD THEORY

The course begins with a review of quantum mechanics and the path integral formalism. It then proceeds to the construction of quantum field theories, including the Dirac equation and the Dirac vacuum. The course covers the quantization of gauge fields, the renormalization of gauge theories, and the derivation of the Feynman rules for gauge theories.

The course also covers the renormalization of scalar and fermion fields, the derivation of the renormalization group equations, and the application of the renormalization group to the study of critical phenomena.

The course concludes with a discussion of the applications of quantum field theory to particle physics, including the derivation of the Feynman rules for the Standard Model and the study of the renormalization of the Standard Model.

PHYSICS 551: QUANTUM FIELD THEORY

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