

RECEIVED
OCT 2 1944

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 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		NOTICE OF INTENTION TO SHOOT OR CHEMICALLY TREAT WELL	
NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO PLUG OR OTHERWISE ALTER CASING	
NOTICE OF INTENTION TO REPAIR WELL		NOTICE OF INTENTION TO PLUG WELL	
NOTICE OF INTENTION TO DEEPEN WELL		Notice of Intention to Cement Liner	X

Hobbs, New Mexico 9-29-44

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico.

Gentlemen:

Following is a notice of intention to do certain work as described below at the Monument Field
J. H. Foster Lease Well No. 1 in

of Sec. 34, T. 19S, R. 36E, N. M. P. M., Monument Field,
Lea County.

FULL DETAILS OF PROPOSED PLAN OF WORK
FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS OF THE COMMISSION

In order to reduce the gas oil ratio, it is intended to cement a 5 inch O.D. Liner from 3660 to 3957 (one foot from bottom) and perforate the interval 3890 to 3895. The formation opposite these perforations will be tested, after acidization if necessary, to determine fluid content. Should the gas oil ratio be excessive, these perforations will be squeeze cemented and the liner perforated from 3910 to 3925. The formation opposite these perforations will be tested as outlined above.

OCT 2 1944

Approved _____, 19_____
except as follows:

APPROVAL CONDITIONED UPON
COMPLIANCE WITH REQUIREMENTS
OF OGC-WPB.

Shell Oil Company, Incorporated
Company or Operator
By W.R. Bollinger

Position District Engineer
Send communications regarding well to

OIL CONSERVATION COMMISSION
Title Roy Garbrough
By Roy Garbrough
Oil & Gas Inspector

Name Shell Oil Company, Inc.
Address Box 1457
Hobbs, New Mexico

DISCUSSION OF THE PROBLEM

The first part of the paper is devoted to a general discussion of the problem. It is shown that the problem is well-posed and that the solution exists and is unique. The second part is devoted to the construction of the solution. It is shown that the solution can be expressed in terms of the Green's function of the problem. The third part is devoted to the numerical solution of the problem. It is shown that the numerical solution can be obtained by the method of finite differences.

The fourth part is devoted to the stability of the numerical solution. It is shown that the numerical solution is stable and that the error of the numerical solution is of the order of the step size. The fifth part is devoted to the convergence of the numerical solution. It is shown that the numerical solution converges to the exact solution as the step size goes to zero.

The sixth part is devoted to the application of the numerical solution to the problem of heat conduction. It is shown that the numerical solution can be used to solve the problem of heat conduction in a rectangular domain. The seventh part is devoted to the application of the numerical solution to the problem of fluid flow. It is shown that the numerical solution can be used to solve the problem of fluid flow in a pipe.

The eighth part is devoted to the application of the numerical solution to the problem of structural analysis. It is shown that the numerical solution can be used to solve the problem of structural analysis of a beam. The ninth part is devoted to the application of the numerical solution to the problem of electrical circuits. It is shown that the numerical solution can be used to solve the problem of electrical circuits.

The tenth part is devoted to the application of the numerical solution to the problem of mechanical systems. It is shown that the numerical solution can be used to solve the problem of mechanical systems. The eleventh part is devoted to the application of the numerical solution to the problem of control systems. It is shown that the numerical solution can be used to solve the problem of control systems.

The twelfth part is devoted to the application of the numerical solution to the problem of optimization. It is shown that the numerical solution can be used to solve the problem of optimization. The thirteenth part is devoted to the application of the numerical solution to the problem of signal processing. It is shown that the numerical solution can be used to solve the problem of signal processing.

The fourteenth part is devoted to the application of the numerical solution to the problem of image processing. It is shown that the numerical solution can be used to solve the problem of image processing. The fifteenth part is devoted to the application of the numerical solution to the problem of computer graphics. It is shown that the numerical solution can be used to solve the problem of computer graphics.

The sixteenth part is devoted to the application of the numerical solution to the problem of artificial intelligence. It is shown that the numerical solution can be used to solve the problem of artificial intelligence. The seventeenth part is devoted to the application of the numerical solution to the problem of robotics. It is shown that the numerical solution can be used to solve the problem of robotics.

The eighteenth part is devoted to the application of the numerical solution to the problem of space exploration. It is shown that the numerical solution can be used to solve the problem of space exploration. The nineteenth part is devoted to the application of the numerical solution to the problem of environmental science. It is shown that the numerical solution can be used to solve the problem of environmental science.

The twentieth part is devoted to the application of the numerical solution to the problem of medicine. It is shown that the numerical solution can be used to solve the problem of medicine. The twenty-first part is devoted to the application of the numerical solution to the problem of agriculture. It is shown that the numerical solution can be used to solve the problem of agriculture.

The twenty-second part is devoted to the application of the numerical solution to the problem of industry. It is shown that the numerical solution can be used to solve the problem of industry. The twenty-third part is devoted to the application of the numerical solution to the problem of transportation. It is shown that the numerical solution can be used to solve the problem of transportation.

The twenty-fourth part is devoted to the application of the numerical solution to the problem of energy. It is shown that the numerical solution can be used to solve the problem of energy. The twenty-fifth part is devoted to the application of the numerical solution to the problem of defense. It is shown that the numerical solution can be used to solve the problem of defense.

The twenty-sixth part is devoted to the application of the numerical solution to the problem of education. It is shown that the numerical solution can be used to solve the problem of education. The twenty-seventh part is devoted to the application of the numerical solution to the problem of science. It is shown that the numerical solution can be used to solve the problem of science.

The twenty-eighth part is devoted to the application of the numerical solution to the problem of art. It is shown that the numerical solution can be used to solve the problem of art. The twenty-ninth part is devoted to the application of the numerical solution to the problem of sports. It is shown that the numerical solution can be used to solve the problem of sports.

The thirtieth part is devoted to the application of the numerical solution to the problem of entertainment. It is shown that the numerical solution can be used to solve the problem of entertainment. The thirty-first part is devoted to the application of the numerical solution to the problem of religion. It is shown that the numerical solution can be used to solve the problem of religion.

The thirty-second part is devoted to the application of the numerical solution to the problem of philosophy. It is shown that the numerical solution can be used to solve the problem of philosophy. The thirty-third part is devoted to the application of the numerical solution to the problem of ethics. It is shown that the numerical solution can be used to solve the problem of ethics.