

OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELLS

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed.

Indicate nature of report by checking below:

Table with 4 rows and 2 columns for reporting categories: BEGINNING DRILLING OPERATIONS, RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL, RESULT OF TEST OF CASING SHUT-OFF, RESULT OF PLUGGING OF WELL, and REPAIRING WELL, PULLING OR OTHERWISE ALTERING CASING, DEEPENING WELL.

ARTESIA, NEW MEXICO

Feb. 9, 1937

Place

Date

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

Pecos Valley Gas Co.

Andrews

Well No. 1

in the

Company or Operator

Lease

SW 1/4 SW 1/4

of Sec. 2

T. 17S

R. 28

N. M. P. M.,

Pecos Valley

Field,

Eddy

County.

The dates of this work were as follows:

Notice of intention to do the work [was not] submitted on Form C-102 on May 27 1936

and approval of the proposed plan [was not] obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Started drilling May 27, 1936.

Witnessed by Herman [Signature] Name

Gas Co. of New Mexico Company

Local Mgr. Title

Subscribed and sworn before me this 9th

day of February, 1937

Carmen Jackson Notary Public

My commission expires Nov. 16, 1940

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

Name [Signature]

Position District Mgr.

Representing PECOS VALLEY GAS COMPANY Company or Operator

Address Box 1100, Clovis, New Mexico

Remarks:

[Signature] Name Title

PHYSICS 551: QUANTUM MECHANICS

Problem Set 10: Angular Momentum and Spin

Problem 1: Commutation Relations

Let L_x, L_y, L_z be the components of the angular momentum operator...

Problem 2: Eigenvalues and Eigenvectors

Consider the operator $L^2 = L_x^2 + L_y^2 + L_z^2$...

Problem 3: Spin-Orbit Coupling

Problem 4: Addition of Angular Momenta

Two particles with angular momentum l_1 and l_2 ...

Problem 5: Spin-1/2 Particles

Two spin-1/2 particles are in a singlet state...

Problem 6: Stern-Gerlach Experiment

A beam of spin-1/2 particles is sent through a Stern-Gerlach magnet...