

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS REPORTS ON WELL

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-offs, 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 | X | REPORT ON DEEPENING WELL | |
| REPORT ON RESULT OF PLUGGING OF WELL | | | |

Midland, Texas

May 17, 1938

Place

Date

OIL CONSERVATION COMMISSION
Santa Fe, New Mexico.
Gentlemen:

DUPLICATE

Following is a report on the work done and the results obtained under the heading noted above at the.....

Humble Oil & Refining Company N. M. State "H" Well No. **3** in the

NW/4 of NW/4 Company or Operator Lease
of Sec. **34**, T. **28-South**, R. **37-East**, N. M. P. M.,

Poncha Field, **Lee** County

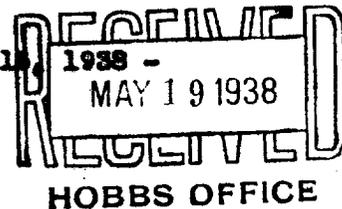
The dates of this work were as follows: **May 16, 1938**

Notice of intention to do the work was ~~(was not)~~ submitted on Form C-102 on **May 16,** 19**38**
and approval of the proposed plan was ~~(was not)~~ obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Tested 9-5/8" casing by bailing dry & drilled plug on May 16, 1938 -
tested O. K.

No change in methods previously specified on Form C-102.



Witnessed by **No Witness Appeared**
Name Company Title

Subscribed and sworn to before me this **17th**
May day of **1938**

Winnie Mae Ferguson
Notary Public

My Commission expires **6/1/39**

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

Name *R. J. Sawyer*
Position **Division Chief Clerk**

Representing **Humble Oil & Refining Company**
Company or Operator

Address **Box 1400 - Midland, Texas.**

Remarks:

Guy Shepard R.M.
Name
Oil & Gas Inspector
Title

MAY 19 1938

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PROCLAMATION

Whereas the President of the United States has the honor to receive from the Congress of the United States the following resolution, to-wit:

Resolved, That the President of the United States be and he is hereby authorized to proclaim that the day of the birth of the late President James Monroe shall be observed as a national holiday on the 18th day of August in each and every year.

And whereas the President of the United States has the honor to receive from the Congress of the United States the following resolution, to-wit:

Resolved, That the day of the death of the late President James Monroe shall be observed as a national holiday on the 4th day of July in each and every year.

And whereas the President of the United States has the honor to receive from the Congress of the United States the following resolution, to-wit:

Resolved, That the day of the death of the late President James Monroe shall be observed as a national holiday on the 4th day of July in each and every year.

And whereas the President of the United States has the honor to receive from the Congress of the United States the following resolution, to-wit:

Resolved, That the day of the death of the late President James Monroe shall be observed as a national holiday on the 4th day of July in each and every year.

NEW MEXICO 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, SHOOTING OR CHEMICAL TREATMENT, TEST OF CASING SHUT-OFF, PLUGGING OF WELL, and REPAIRING WELL, PULLING OR OTHERWISE ALTERING CASING, DEEPENING WELL.

Midland, Texas

May 16, 1938

Place

Date

OIL CONSERVATION COMMISSION, SANTA FE, NEW MEXICO.

Gentlemen:

DUPLICATE

Humble Oil & Refining Company N. M. State "H" Well No. 5 in the

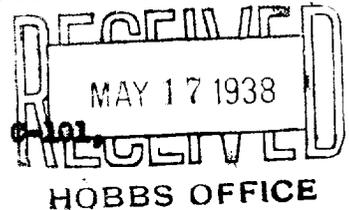
NW/4 of NW/8 of Sec. 27, T. 22-South, R. 37-East, Lea County, N. M. P. M., Lea

The dates of this work were as follows: Notice of intention to do the work was (was not) submitted on Form C-101 on April 6, 1938 and approval of the proposed plan was (was not) obtained.

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Spudded well at 4:00 A. M., May 14, 1938.

No change in drilling operations previously specified on Form C-101, Notice of Intention to Drill.



No Witness Necessary

Witnessed by Name Company Title

Subscribed and sworn before me this 16th day of May, 1938

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

Name E. B. Rozier, Position Assistant Division Chief Clerk, Representing Humble Oil & Refining Company

Notary Public signature: Willie Mae Ferguson, My commission expires 6/1/39

Address Box 1600 - Midland, Texas.

Remarks:

Signature: Guy Shepard, Oil & Gas Inspector

MAY 17 1938

1942

1943

1944

1945

1946

1947

1948

1949

1950

1951

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 | <input checked="" type="checkbox"/> | NOTICE OF INTENTION TO SHOOT OR CHEMICALLY TREAT WELL | |
| NOTICE OF INTENTION TO CHANGE PLANS | <input type="checkbox"/> | NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING | |
| NOTICE OF INTENTION TO REPAIR WELL | <input type="checkbox"/> | NOTICE OF INTENTION TO PLUG WELL | |
| NOTICE OF INTENTION TO DEEPEN WELL | <input type="checkbox"/> | | |

Midland, Texas
Place

May 16, 1938
Date

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico.

DUPLICATE

Gentlemen:

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

Humble Oil & Refining Company N. M. State "H" Well No. 3 in NW/4 of NW/4
Company or Operator Lease
of Sec. 27, T. 22-South, R. 37-East, N. M. P. M., Penrose Field,
Lea County.

FULL DETAILS OF PROPOSED PLAN OF WORK

FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS OF THE COMMISSION

SET CASING AS FOLLOWS:

| <u>SIZE</u> | <u>WEIGHT</u> | <u>AMOUNT</u> | <u>SET AT</u> | <u>FORMATION</u> | <u>TOTAL DEPTH OF WELL</u> | <u>NO. SACKS & MAKE OF CEMENT</u> | <u>PLUG ON BOTTOM</u> |
|-------------|---------------|---------------|---------------|------------------|----------------------------|---------------------------------------|-----------------------|
| 9-5/8" | 36# | 425' | 437' | Red Beds | 450' | 125 Sacks El Tore | 2:00 A.M. 5/15/38 |

Halliburton method used.

Will test casing & drill plug on May 16, 1938.

RECEIVED
MAY 17 1938
RECEIVED
HOBBS OFFICE

MAY 17 1938

Approved _____, 19____
except as follows:

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

HUMBLE OIL & REFINING COMPANY
Company or Operator
By E. B. [Signature]
Position Assistant Division Chief Clerk
Send communications regarding well to
Name W. T. Doherty
Address Box 1600 - Midland, Texas.

THE UNIVERSITY OF CHICAGO

PHYSICS DEPARTMENT

PHYSICS 311

PHYSICS 311: CLASSICAL MECHANICS
Lecture 10: Hamiltonian Mechanics

1. Introduction to Hamiltonian Mechanics

2. The Hamiltonian Function

3. Hamilton's Equations

4. Conservation of Energy

5. The Hamiltonian as a Generator

6. Poisson Brackets

7. Canonical Transformations

8. Action and the Principle of Least Action

9. Applications to Harmonic Oscillators

10. Applications to Rotational Motion

11. Applications to Coupled Oscillators

12. Applications to the Simple Pendulum

13. Applications to the Kepler Problem

14. Applications to the Two-Body Problem

15. Applications to the Three-Body Problem

16. Applications to the N-Body Problem

17. Applications to Quantum Mechanics

DUPLICATE