

# 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	<input checked="" type="checkbox"/>	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			

Midland, Texas

October 31, 1939

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  
**Humble Oil & Refining Company** N. M. State "H"

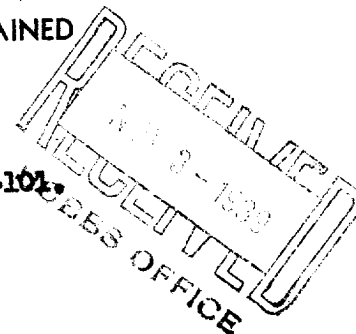
Company or Operator **34** Lease **22-South** **37-East** Well No. \_\_\_\_\_ in the  
SW/4 of N W/4 of Sec. \_\_\_\_\_, T. \_\_\_\_\_, R. \_\_\_\_\_, N. M. P. M.,  
**Penrose** Field, **Lea** County  
October 28, 1939

The dates of this work were as follows: **6-101** **October 11,** **39**  
Notice of intention to do the work was ~~(was not)~~ submitted on Form C-102 on \_\_\_\_\_ 19\_\_\_\_\_  
and approval of the proposed plan was ~~(was not)~~ obtained. (Cross out incorrect words.)

## DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Spudded at 11:00 P. M., October 28, 1939.

No change in drilling operations previously specified on Form C-101.



Witnessed by No Witness Necessary  
Name \_\_\_\_\_ Company \_\_\_\_\_ Title \_\_\_\_\_

Subscribed and sworn to before me this **31st**  
day of **October**, 19**39**

*M. L. Weatherall*  
Notary Public

My Commission expires **6/1/41**

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

Name *[Signature]*  
Position **Division Superintendent**  
Representing **Humble Oil & Refining Company**  
Company or Operator  
Address **Box 1600 - Midland, Texas.**

Remarks:

*Ray Yarbrough*  
Name  
OIL & GAS INSPECTOR  
Title

## NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

## Notice of Intention to Drill

Notice must be given to the Oil Conservation Commission or its proper agent and approval obtained before drilling begins. If changes in the proposed plan are considered advisable, a copy of this notice showing such changes will be returned to the sender. Submit this notice in triplicate. One copy will be returned following approval. See additional instructions in Rules and Regulations of the Commission.

Midland, Texas

October 11, 1939

OIL CONSERVATION COMMISSION,  
Santa Fe, New Mexico.  
Gentlemen:

Place

Date

DUPLICATE

You are hereby notified that it is our intention to commence the drilling of a well to be known as Lee #37721  
Humble Oil & Refining Company N. M. State "H" Well No. 6 in SW/4 of NW/4  
of Sec. 34, T. 22-South, R. 37-East, N. M. P. M., Penrose Field, Lea County

N.

The well is 1980 feet ~~xx~~ (S.) of the North line and 341 feet(E.) ~~xxx~~ of the West line of SW/4 of NW/4 of Section 34

(Give location from section or other legal subdivision lines. Cross out wrong directions.)

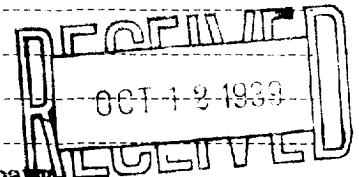
If state land the oil and gas lease is No. \_\_\_\_\_, Assignment No. \_\_\_\_\_

If patented land the owner is \_\_\_\_\_

Address \_\_\_\_\_

If government land the permittee is \_\_\_\_\_

Address \_\_\_\_\_

The lessee is Humble Oil & Refining CompanyAddress Box 1600 - Midland, Texas.We propose to drill well with drilling equipment as follows: Rotary Rig.

HOBBS OFFICE


AREA 640 ACRES  
LOCATE WELL CORRECTLY

The status of a bond for this well in conformance with Rule 39 of the General Rules and Regulations of the Commission is as follows: Now on file in Commission Office

We propose to use the following strings of casing and to land or cement them as indicated:

Size of Hole	Size of Casing	Weight Per Foot	New or Second Hand	Depth	Landed or Cemented	Sacks Cement
12-1/4"	9-5/8"	36#	New	450'	Cemented	200
8-1/4"	7"	21#	"	3500'	"	300-2-Stage

If changes in the above plan become advisable we will notify you before cementing or landing casing. We estimate that the first productive oil or gas sand should occur at a depth of about 3665 feet.

Additional information:

OCT 12 1939

Approved \_\_\_\_\_, 19\_\_\_\_  
except as follows:

Sincerely yours,

HUMBLE OIL & REFINING COMPANY

Company or Operator

By \_\_\_\_\_

Position Division Superintendent

Send communication regarding well to

Name Box 1600 - Midland, Texas.

Address \_\_\_\_\_

OIL CONSERVATION COMMISSION,

By Ray W. H. H. H.Title OIL & GAS INSPECTOR

# Math 101: Calculus I

## Section 1.1: The Derivative

The derivative of a function  $f(x)$  at a point  $x$  is defined as the limit of the difference quotient as  $h$  approaches 0. This represents the instantaneous rate of change of the function at that point.

$$f'(x) = \lim_{h \rightarrow 0} \frac{f(x+h) - f(x)}{h}$$

For example, if  $f(x) = x^2$ , then the derivative is  $f'(x) = 2x$ . This can be verified by applying the limit definition.

$$f'(x) = 2x$$

The derivative of a function at a point  $x$  is the slope of the tangent line to the graph of the function at that point. This is a fundamental concept in calculus.

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