



## FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	130	130	Surface Sand & Caliche
130	295	165	Shells & Sand
295	461	166	Red Bed
461	786	325	Red Bed Shell Strks
786	946	160	Red Bed & Shell
946	1054	108	Red Bed & Strks Shell Gray Sandy Shale
1054	1207	153	Anhydrite
1207	1310	103	Hard Sand
1310	1360	50	Sand
1360	1514	154	Salt & Strks anhydrite
1514	1849	335	Salt & Strks Anhydrite & Hard Sand Strks
1849	2218	369	Salt Strks & Anhydrite
2218	2450	232	Salt
2450	2495	45	Anhydrite & Strks Salt
2495	3035	540	Anhydrite
3035	3164	129	Brown Lime
3164	3261	97	Gray Lime
3261	3298	37	Lime Hard
3298	3303	5	Lime Broken
3303	3309	6	Lime Hard
3309	3357	48	Gray Lime
3357	3380	23	Gray Lime Hard
3380	3486	106	Gray Lime
3486	3502	16	Sandy Lime
3502	3537	35	Lime Hard
3537	3580	43	Lime
3580	3594	14	Broken Lime
3594	3720 TD	126	Lime

Orig & 2 cc: State Oil Conservation Commission

HOBBS, NEW MEXICO  
MAY 27, 1940

Humble Oil & Refining Company's N. M. State M #2 located  
in SW  $\frac{1}{4}$  of SE  $\frac{1}{4}$  of Section 18, TWS 22-S, Range 37-E, 660'  
from the South line, and 1880' from the East Line of  
Section 18, Lea County, New Mexico, Arrowhead Field/

DEVIATION SURVEYS

<u>DEPTH</u>	<u>DEVIATION</u>	<u>INSTRUMENT</u>
450'	1 degree	Spre Shot
766'	1 "	"
1285'	0 "	"
1800'	0 "	"
2610'	1 "	"

0481, 10 Y.

[illegible]

THE UNIVERSITY OF CHICAGO

<u>TRANSMITTAL</u>	<u>RECEIVED</u>	<u>DATE</u>
Transmit	1000	1000
Transmit	1000	1000
Transmit	1000	1000
Transmit	1000	1000
Transmit	1000	1000

DUPLICATE

NEW MEXICO OIL CONSERVATION COMMISSION  
Santa Fe, New MexicoRECEIVED  
MAY 25 1940  
OFFICE

## 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	<b>X</b>	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

May 25, 1940

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

Humble Oil & Refining Company N. M. State "M" Well No. 2 in the  
Company or Operator Lease  
SW/4 of SE/4 of Sec. 18, T. 22-S, R. 37-E, N. M. P. M.,  
Arrowhead Field, Lea County

The dates of this work were as follows: May 20, 1940

Notice of intention to do the work was ~~(insert)~~ submitted on Form C-102 on May 20, 1940  
and approval of the proposed plan was ~~(insert)~~ obtained. (Cross out incorrect words.)

## DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Treated with 3000 gallons Halliburton Acid from 3625' to 3720'. Well kicked off without swabbing and unloaded acid and oil load. On 8 hour test through 7/8" choke well produced 392 bbls. oil., of which 46 bbls. was made during last hour. Average rate of flow 49 bbls. per hour or a total of 1176 bbls. per day. 695 MCF gas per day or a gas-oil ratio of 591. Tubing pressure 620#. 5/10 of 1% BS &W. Corrected gravity 36.8

Witnessed by No Witness Necessary

Name	Company	Title
Subscribed and sworn to before me this		
<u>25th</u> day of <u>May</u> , 19 <u>40</u>		
<u>Francis Stallworth</u>		
Notary Public		
My Commission expires <u>6/1/41</u>		

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

Name [Signature]

Position Division Chief Clerk

Representing Humble Oil & Refining Co.  
Company or Operator

Address Box 1600 - Midland, Texas

Remarks:

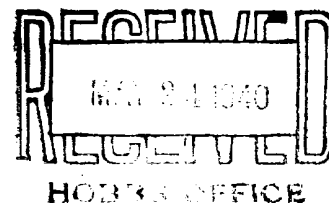
Roy Garbrough  
Name  
OIL & GAS INSPECTOR  
Title



## 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 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	<b>X</b>
NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING	
NOTICE OF INTENTION TO REPAIR WELL			
NOTICE OF INTENTION TO DEEPEN WELL		NOTICE OF INTENTION TO PLUG WELL	

Midland, Texas

May 20, 1940

Place

Date

OIL CONSERVATION COMMISSION,  
Santa Fe, New Mexico.

Gentlemen:

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

Humble Oil & Refining Company N. M. State "M" Well No. 2 in SW/4 of SE/4  
Company or Operator Lease

of Sec. 18, T. 22-S, R. 37-E, N. M. P. M., Arrowhead Field,  
Lea County.

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

To treat well with 3,000 gallons Halliburton Acid in lime formation from 3625' to 3720'. 5-1/2" Casing set at 3617'. Acid to be flushed out to prevent damage to casing seat. New Well - not tested.

MAY 24 1940

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

HUMBLE OIL &amp; REFINING COMPANY

Company or Operator

By R. J. Starnes

Position Division Chief Clerk  
Send communications regarding well to

Name J. W. HouseAddress Box 1600 - Midland, Texas

OIL CONSERVATION COMMISSION

By Ray Garbrough

OIL &amp; GAS INSPECTOR

Title \_\_\_\_\_