

.W XICO OIL CONSERVATION MM. ION
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. 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-off, 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 RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL REPORT ON RESULT OF TEST OF CASING SHUT-OFF REPORT ON RESULT OF PLUGGING OF WELL | X | REPORT ON REPAIRING WELL REPORT ON PULLING OR OTHERWISE ALTERING CASING REPORT ON DEEPENING WELL |
|--|----------|--|

Funice, New Mexico

May 4, 1936

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
Barnsdall Oil Company Dayton Hardy Well No. 1 in the
Company or Operator Lease
EE/4 of Sec. 29, T. 21S, R. 37E, N. M. P. M.,
Funice Field, Lea County.

The dates of this work were as follows: May 1, 1936

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

For your information, the Dayton Hardy #1 was treated with 6000 Gal. of Dowell XX on May 1, 1936 with the following results:
 First 24 hrs. after shot flowed at the rate of 16 1/2 Bbls. per hr.
 Second 24 hrs. at the rate of 13 Bbls. per hr.
 Third 24 hrs. 145 Bbls. per day

DUPLICATE

Witnessed by Lawrence Mills Barnsdall Oil Co. Production Clerk
Name Company Title

Subscribed and sworn to before me this _____

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

5th day of May, 1936

Name Lawrence Mills

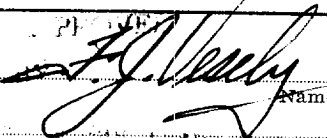
Position Dist. Supt. Production Clerk

Representing Barnsdall Oil Company
Company or Operator

My Commission expires May 1, 1937

Address Pecos Texas Box #466

Remarks:


 Name
 Title

2CR

THE UNIVERSITY OF CHICAGO
DEPARTMENT OF CHEMISTRY

RESEARCH REPORT NO. 1000

The following report was prepared by the author(s) and is the property of the University of Chicago. It is to be used for the purpose for which it was prepared and is not to be distributed outside the University of Chicago without the written consent of the author(s).

Author(s): J. H. Goldstein, J. H. Goldstein

Title: The effect of the concentration of the solution on the rate of the reaction of the solution with the solid.

Abstract: The effect of the concentration of the solution on the rate of the reaction of the solution with the solid was studied. The results are given in the following table.

Concentration of the solution (M) Rate of reaction (M/min)

0.01 0.001

0.02 0.002

0.05 0.005

0.10 0.010

0.20 0.020

0.50 0.050

The results show that the rate of reaction increases with the concentration of the solution. The rate of reaction is proportional to the square root of the concentration of the solution.

The following table gives the rate of reaction for different concentrations of the solution.

Concentration of the solution (M)

Rate of reaction (M/min)

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0.02 0.002

0.05 0.005

0.10 0.010

0.20 0.020

0.50 0.050

1.00 0.100

THE UNIVERSITY OF CHICAGO
DEPARTMENT OF CHEMISTRY

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INTER-OFFICE CORRESPONDENCE

May 2, 1936

From C.W. McKeen

To Mr. C.D. Miller

Subject Acid treating on Dayton Hardy #1

Dear Sir:

For your information and record-
Started treating Dayton Hardy #1 at 9:50 A.M. May 1, 1936

| TIME | CASING PRES. | TUBING | |
|------------|--------------|----------|----------------------|
| 9:50A.M. | 720# | 360# | Started oil |
| 10:45A.M. | 850# | Vac. | Bled off gas |
| 12:40 P.M. | 0 | Vac. | Well filled St. Acid |
| 12:55 P.M. | 400# | 240# | 17 Bbls. DXX in |
| 12:56 P.M. | 290# | 18" Vac. | Shut down pumps |
| 1:10 P.M. | 290# | 18" " | 24 Bbls. DXX in |
| 1:50 P.M. | 250# | 18" " | 48 " " " |
| 2:30 P.M. | 240# | 18" " | 72 " " " |
| 3:06 P.M. | 260# | 18" " | 96 " " " |
| 3:45 P.M. | 260# | 18" " | 120 " " " |
| 4:30 P.M. | 260# | 18" " | 144 " " " |
| 5:15 P.M. | 320# | 320# | 17 Bbls. to flush |

The well was swabbed at once and after cleaning its self produced 16 1/2 bbls. per hour, an increase from 3 1/2 bbls. per hour to 16 1/2 bbls. per hour.

You will notice a difference in the way the well performed during the treatment in comparison to the first time. During the first treatment we had as high as 1400# pressure build up at times, while this second treatment it took the acid on a vacuum.

Very truly yours,