

## 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. 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 REPAIRING WELL	
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL	X	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			

Artesia, New Mexico

August 30, 1945

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

Carper Drilling Company Coll-State Well No. 1 in the  
Company or Operator Lease  
SW/4 NE/4 of Sec. 36, T. 16, R. 30, N. M. P. M.,  
Square Lake Field, Eddy County.

The dates of this work were as follows: Aug August 10, 1945

Notice of intention to do the work was ~~(was not)~~ XXXXX submitted on Form C-102 on August 9 19 45  
and approval of the proposed plan was ~~(was not)~~ XXXXX obtained. (Cross out incorrect words.)

## DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

This well was shot from 3015 to 3065 with 3 1/2" shell - 100 quarts.  
This work was done on August 10, 1945. The production was increased from 17 barrels in 24 hours.

Witnessed by Stanley Carper, Ptr. Carper Drilling Company Artesia, New Mexico  
Name Company Title

Subscribed and sworn before me this \_\_\_\_\_

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

\_\_\_\_\_ day of \_\_\_\_\_, 19 \_\_\_\_\_

Name \_\_\_\_\_

Position \_\_\_\_\_

Notary Public

Representing \_\_\_\_\_

Company or Operator

My commission expires \_\_\_\_\_

Address \_\_\_\_\_

Remarks:

Name

Title

# Mathematical Induction

Let  $P(n)$  be a statement involving the natural number  $n$ .

- 1.  $P(1)$  is true.
- 2. If  $P(k)$  is true, then  $P(k+1)$  is true.

Then  $P(n)$  is true for all  $n \in \mathbb{N}$ .

Example:  $P(n) = 1 + 2 + \dots + n = \frac{n(n+1)}{2}$ .

Proof:  $P(1)$  is true. Assume  $P(k)$  is true. Then  $P(k+1)$  is true.

Therefore,  $P(n)$  is true for all  $n \in \mathbb{N}$ .

Q.E.D.

Example:  $P(n) = 1^2 + 2^2 + \dots + n^2 = \frac{n(n+1)(2n+1)}{6}$ .

Proof:  $P(1)$  is true. Assume  $P(k)$  is true. Then  $P(k+1)$  is true.

Therefore,  $P(n)$  is true for all  $n \in \mathbb{N}$ .

Q.E.D.

Example:  $P(n) = 1 + 3 + 5 + \dots + (2n-1) = n^2$ .

Proof:  $P(1)$  is true. Assume  $P(k)$  is true. Then  $P(k+1)$  is true.

Therefore,  $P(n)$  is true for all  $n \in \mathbb{N}$ .

Q.E.D.

Example:  $P(n) = 1 + 2 + 3 + \dots + n = \frac{n(n+1)}{2}$ .

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