

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		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			

July 5, 1950

Date

Bueyeros, New Mexico

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 Libby #2
(American Producers) Bueyeros, N. M. Well No. Libby #2 in the

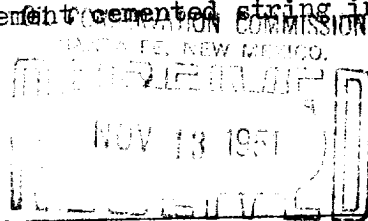
Company or Operator _____ Lease _____
1SW NW of Sec. 32, T. 20N, R. 31E, N. M. P. M.,
Bueyeros Field, Harding County.

The dates of this work were as follows: July 5 -- 17

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

All of pipe with exception of some 10" production string pulled from this old well and plugged in 4/5/32. This plugged approximately 950' from surface by 30' wooden plug and small amount of concrete. Plug removed and bottom hole 2506'. 5½" size of pipe was set at 1987'. 600 sacks of cement cemented string in place. Done by Halliburton of Texhoma.



Witnessed by _____ Name _____ Company _____ Title _____

Subscribed and sworn before me this 8
day of November 19 51

Ann Culley
Notary Public

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

Name Frank Holden
Position General Manager
Representing Iceco, Inc.
Company or Operator

My commission expires _____

Address Tucumcari, N. M.

Remarks:

Frank C. Holden
Name
Gen Mgr.
Title

Mathematical Induction

Principle of Mathematical Induction

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

(i) $P(1)$ is true, and

(ii) $P(k) \Rightarrow P(k+1)$ for any natural number k , then

$P(n)$ is true for all natural numbers n .

Example 1: Prove that

$1 + 2 + 3 + \dots + n = \frac{n(n+1)}{2}$ for all $n \in \mathbb{N}$.

Solution: Let $P(n)$ be the statement

$1 + 2 + 3 + \dots + n = \frac{n(n+1)}{2}$ for all $n \in \mathbb{N}$.

Step 1: $P(1)$ is true.

Step 2: Assume $P(k)$ is true for some $k \in \mathbb{N}$. Then

$1 + 2 + 3 + \dots + k = \frac{k(k+1)}{2}$.

We need to show that $P(k+1)$ is true.

Consider $1 + 2 + 3 + \dots + (k+1)$.

$= (1 + 2 + 3 + \dots + k) + (k+1)$

$= \frac{k(k+1)}{2} + (k+1)$

$= \frac{k(k+1) + 2(k+1)}{2}$

$= \frac{(k+1)(k+2)}{2}$

$= \frac{(k+1)((k+1)+1)}{2}$

$= \frac{(k+1)(k+1+1)}{2}$

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Indicate nature of report by checking below.

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON REPAIRING WELL	X
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			

July 5, 1950

Ducyeros, New Mexico

Date

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 Lobby #2
(American Producers) Ducyeros, N. M. Well No. Lobby #2 in the

Company or Operator _____ Lease _____
JOHN M. of Sec. 32, T. 20N, R. 31E, N. M. P. M.,
Ducyeros Field, Harding County.

The dates of this work were as follows: July 5 - 17

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

All of pipe with exception of some 10" production string pulled from this old well and plugged in 4/5/32. This plugged approximately 950' from surface by 30' wooden plug and small amount of concrete. Plug removed and bottom hole 2506'. 5 1/2" size of pipe was set at 1987'. 600 sacks of cement cemented string in place. Done by Halliburton of Tethon.

Witnessed by _____	Name _____	Company _____	Title _____
Subscribed and sworn before me this <u>8</u>	I hereby swear or affirm that the information given above is true and correct.		
day of <u>November</u> 19 <u>51</u>	Name <u>Frank Holden</u>	Position <u>General Manager</u>	
Notary Public _____	Representing <u>Isoco, Inc.</u>	Company or Operator _____	
My commission expires <u>10 AUGUST 1951</u>	Address <u>Tucumanari, N. M.</u>	_____	

Remarks:

Name

Title