

## 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		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	X	REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL			

Hobbs, New Mexico,

Place

July

Date

1938.

OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico.

Gentlemen:

DUPLICATE

Following is a report on the work done and the results obtained under the heading noted above at the

Two States Oil Company, State Well No. 1 in the

Company or Operator

Lease

NE 1/4 NE 1/4 of Sec. 16, T. 22 S., R. 37 E., N. M. P. M.,

Penrose Field, Lea County

The dates of this work were as follows: July 4, 1938, to July 14, 1938.

Notice of intention to do the work was ~~XXXX~~ submitted on Form C-101 on May 18, 1938, and approval of the proposed plan was (was not) obtained. (Cross out incorrect words.)

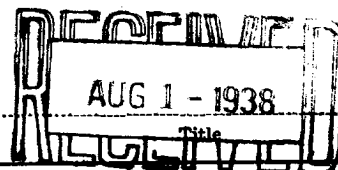
## DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

At TD 3610', 3603' of 7" casing were run and cemented with 250 sacks. Halliburton ran cement which set 72 hours. Drilled to TD 3698' where well had 1000' oil in hole natural. Halliburton treated 2000 gallons of acid after which well tested 8 bbls. oil per hr., 100,000 gas. Halliburton re-treated with 2000 gallons acid after which well flowed IP 10 bbls. oil per hr. (10 hrs) 228,000 gas daily. Completed.

Witnessed by Dick Gaston, Two States Drilling Co.,

Name

Company



Subscribed and sworn to before me this

day of

19

38

Patricia Mahoney

Notary Public

My Commission expires 10-24-39

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

Name

Position

Representing Two States Oil Company, Company or Operator

Address Hobbs, New Mexico.

Remarks:

Law Walker R. M.

Name

Oil &amp; Gas Inspector

Title

# THE HUMAN FACTOR IN THE DESIGN OF A CONTROL SYSTEM

by J. H. W. L. VAN DER WERF

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The human factor in the design of a control system is a topic which has received considerable attention in the literature. The present paper is a review of the literature on this subject, with special reference to the design of a control system for a human-machine system. The paper is divided into three parts. The first part deals with the general principles of the design of a control system. The second part deals with the specific principles of the design of a control system for a human-machine system. The third part deals with the practical application of these principles to the design of a control system for a human-machine system.

## 1. GENERAL PRINCIPLES OF THE DESIGN OF A CONTROL SYSTEM

The design of a control system is a complex task which involves the selection of the appropriate control strategy, the selection of the appropriate control elements, and the selection of the appropriate control parameters. The design of a control system for a human-machine system is a particularly complex task, because it involves the selection of the appropriate control strategy, the selection of the appropriate control elements, and the selection of the appropriate control parameters, all of which must be tailored to the specific requirements of the human-machine system.

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## 2. SPECIFIC PRINCIPLES OF THE DESIGN OF A CONTROL SYSTEM FOR A HUMAN-MACHINE SYSTEM

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