

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

HOBBS OFFICE 000

MISCELLANEOUS REPORTS ON WELLS : 35

Submit this report in TRIPLICATE to the District Office, Oil Conservation Commission, within 10 days after the work specified is completed. It should be signed and filed as a report on Beginning Drilling Operations, Results of test of casing shut-off, result of plugging of well, result of well repair, and other important operations, even though the work was witnessed by an agent of the Commission. 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 TEST OF CASING SHUT-OFF	<b>X</b>	REPORT ON REPAIRING WELL	
REPORT ON RESULT OF PLUGGING WELL		REPORT ON RECOMPLETION OPERATION		REPORT ON (Other)	

January 18, 1955

(Date)

Hobbs, New Mexico

(Place)

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

Gulf Oil Corporation

(Company or Operator)

J. W. Smith

(Lease)

Howard P. Holmes Drilling Contractor

(Contractor)

Well No. 3 in the NE 1/4 NW 1/4 of Sec. 34

T. 19-S, R. 36-E, NMPM, Hament (Oil) Pool, Lea County.

The Dates of this work were as follows: January 13-15, 1955

Notice of intention to do the work (X) (was not) submitted on Form C-102 on \_\_\_\_\_, 19\_\_\_\_,

(Cross out incorrect words)

and approval of the proposed plan (X) (was not) obtained.

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Ran 116 Jts and out jt (3817') 7" OD 20# Gr J-55 SS casing. Set and cemented at 3832' with 1500 sacks AS Gel and 150 sacks Heat on bottom. Plug at 3796'. Maximum pressure 1600#. Job complete by 6:45 PM 1-13-55.

After waiting over 30 hours, tested 7" casing with 1000# for 30 minutes. There was no drop in pressure. Drilled plug from 3796' to 3832'. Tested below casing shoe with 1000# for 30 minutes. No drop in pressure.

Witnessed by Glenn Steach (Name) Gulf Oil Corporation (Company) Drilling Foreman (Title)

Approved:

OIL CONSERVATION COMMISSION

I hereby certify that the information given above is true and complete to the best of my knowledge.

Name: E. J. Jay

Position: Area Supl. of Prod.

Representing: Gulf Oil Corporation

Address: Box 2167, Hobbs, N. M.

(Title)

(Date)

of the  $\mathbb{Z}_2$ -action on  $\mathbb{R}^n$  is

$$\sigma(x) = -x \quad \text{for } x \in \mathbb{R}^n.$$

Let  $\mathcal{H}$  be the Hilbert space of square-integrable functions on  $\mathbb{R}^n$  with respect to the Lebesgue measure.

Consider the operator  $T$  on  $\mathcal{H}$  defined by

$$Tf(x) = f(-x).$$

It is easy to see that  $T$  is a unitary operator on  $\mathcal{H}$ .

Let

$$T^2 = I.$$

Let  $\mathcal{H}_+$  and  $\mathcal{H}_-$  be the subspaces of  $\mathcal{H}$  consisting of functions  $f$  such that  $Tf = f$  and  $Tf = -f$ , respectively. Then  $\mathcal{H} = \mathcal{H}_+ \oplus \mathcal{H}_-$ .

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