

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

MISCELLANEOUS NOTICES

Submit this notice in triplicate to the Oil Conservation Commission or its proper agent before the work specified is to begin. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission or agent, of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of notice by checking below:

NOTICE OF INTENTION TO TEST CASING SHUT-OFF	<input checked="" type="checkbox"/>	NOTICE OF INTENTION TO SHOOT OR CHEMICALLY TREAT WELL	
NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING	
NOTICE OF INTENTION TO REPAIR WELL		NOTICE OF INTENTION TO PLUG WELL	
NOTICE OF INTENTION TO DEEPEN WELL			

Artesia, New Mexico

Place

May 16th, 1948

Date

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico.

Gentlemen:

Following is a notice of intention to do certain work as described below at the

Robert E. McKee State Well No. 8 in NWSE
Company or Operator Lease
of Sec. 19, T. 18 S R. 28 E, N. M. P. M., Artesia Field.
Eddy County.

FULL DETAILS OF PROPOSED PLAN OF WORK

FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS OF THE COMMISSION

On May 16th, 1948, we ran 2041' of used 7" pipe. Was set in Aquagel.
Intend to continue to drill the 6" hole from this depth. 7" pipe will
be picked up and cemented at a later date.

Approved NOV 28 1948, 19
except as follows:

OIL CONSERVATION COMMISSION,
By [Signature]
Title _____

Robert E. McKee
Company or Operator
By [Signature]
Position Authorized Agent
Send communications regarding well to

Name Robert E. McKee
Address Box 246
Artesia, New Mexico

1. The first part of the paper is devoted to the study of the

properties of the operator

$$T_{\lambda} f(x) = \int_{\mathbb{R}^n} f(y) e^{i\lambda \langle x, y \rangle} dy$$

where λ is a real number, f is a function on \mathbb{R}^n , and $\langle x, y \rangle$ is the scalar product of x and y . The main result of this part is the following theorem.

Theorem 1. Let f be a function on \mathbb{R}^n satisfying the condition

$$\int_{\mathbb{R}^n} |f(y)| dy < \infty$$

Then the operator T_{λ} is bounded on $L^1(\mathbb{R}^n)$ and

$$\|T_{\lambda} f\|_1 \leq C \|f\|_1$$

where C is a constant depending only on n .

The proof of this theorem is based on the following lemma.

Lemma 1. Let f be a function on \mathbb{R}^n satisfying the condition

$$f(x) = 0$$

$$|x| \geq R$$

Then the operator T_{λ} is bounded on $L^1(\mathbb{R}^n)$ and

$$\|T_{\lambda} f\|_1 \leq C \|f\|_1$$

where C is a constant depending only on n and R . The proof of this lemma is based on the following lemma.

Lemma 2. Let f be a function on \mathbb{R}^n satisfying the condition

$$f(x) = 0$$

$$|x| \geq R$$

Then the operator T_{λ} is bounded on $L^1(\mathbb{R}^n)$ and

$$\|T_{\lambda} f\|_1 \leq C \|f\|_1$$

where C is a constant depending only on n and R . The proof of this lemma is based on the following lemma.

Lemma 3. Let f be a function on \mathbb{R}^n satisfying the condition

$$f(x) = 0$$

Then the operator T_{λ} is bounded on $L^1(\mathbb{R}^n)$ and

$$\|T_{\lambda} f\|_1 \leq C \|f\|_1$$

where C is a constant depending only on n . The proof of this lemma is based on the following lemma.

Lemma 4. Let f be a function on \mathbb{R}^n satisfying the condition

$$f(x) = 0$$

Then the operator T_{λ} is bounded on $L^1(\mathbb{R}^n)$ and

$$\|T_{\lambda} f\|_1 \leq C \|f\|_1$$

where C is a constant depending only on n . The proof of this lemma is based on the following lemma.

Lemma 5. Let f be a function on \mathbb{R}^n satisfying the condition

$$f(x) = 0$$

Then the operator T_{λ} is bounded on $L^1(\mathbb{R}^n)$ and

$$\|T_{\lambda} f\|_1 \leq C \|f\|_1$$

where C is a constant depending only on n . The proof of this lemma is based on the following lemma.

Lemma 6. Let f be a function on \mathbb{R}^n satisfying the condition

$$f(x) = 0$$

Then the operator T_{λ} is bounded on $L^1(\mathbb{R}^n)$ and

$$\|T_{\lambda} f\|_1 \leq C \|f\|_1$$

where C is a constant depending only on n . The proof of this lemma is based on the following lemma.

Lemma 7. Let f be a function on \mathbb{R}^n satisfying the condition

$$f(x) = 0$$