

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

REQUEST FOR PERMISSION TO CONNECT WITH PIPE LINE

This request should be SUBMITTED IN TRIPLICATE. See instructions in the Rules and Regulations of the Commission.

Dallas, Texas

Place

July 31, 1939

Date

OIL CONSERVATION COMMISSION,
Santa Fe, New Mexico.

Gentlemen:

DUPLICATE

Permission is requested to connect Carl B. King Drilling Co. Harrison
Company or Operator Lease
Wells No. 2 in NW $\frac{1}{4}$ of Sec. 20, T. 24, R. 37, N. M. P. M.,
Mattix Field, Lea County, with the pipe line of the
Texas - New Mexico
Pipe Line Co. Address

Status of land (State, Government or privately owned) Privately owned

Location of tank battery Center NW $\frac{1}{4}$ Sec. 20-24S-37E

Description of tanks 2 - high 500 barrel bolted steel tanks

Logs of the above wells were filed with the Oil Conservation Commission Aug. 2 with this form, 19 39

All other requirements of the Commission have [have not] been complied with. (Cross out incorrect words.)

Additional information:

RECEIVED
AUG 3 - 1939
RECEIVED
HOBBS OFFICE

Yours truly,

Permission is hereby granted to make pipe line connections
requested above.

OIL CONSERVATION COMMISSION

By R. O. g A. ANDREAS
State Geologist
Member Oil Conservation Commission

Title Aug 3 - '39

Date

CARL B. KING DRILLING CO.
Owner or Operator

By C. S. Entz

Position Office Manager

Address

The first part of the paper is devoted to the study of the asymptotic behavior of the solutions of the system (1) as $\epsilon \rightarrow 0$. In this case, the system (1) can be written in the form

$$\begin{aligned}
 \dot{x} &= A(x)y, \\
 \dot{y} &= B(x)y + C(x),
 \end{aligned}$$

where $A(x)$ and $B(x)$ are matrices depending on x , and $C(x)$ is a vector depending on x . The system (2) is a singularly perturbed system, and the asymptotic behavior of its solutions as $\epsilon \rightarrow 0$ is studied in this paper.

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