

**BEFORE THE STATE CORPORATION COMMISSION
OF THE STATE OF KANSAS**

FOURTH QUARTER REPORT

To: Andrew J. French, Chairperson
Dwight D. Keen, Commissioner
Susan K. Duffy, Commissioner

From: Ryan A. Hoffman, Director, Conservation Division

Date: 12/30/2021

Re: Docket No. 20-CONS-3219-CINV

BACKGROUND

On February 6, 2020, the Commission opened an investigative docket for the purpose of “(1) keeping the public and the Commission apprised of the investigation of Commission Staff into the causes of increased seismic activity occurring in Rooks County; and (2) providing a forum by which the Commission may take any advisable action as it relates to increased seismic activity in Rooks County.”¹ This is the fourth quarterly report of 2021.

REPORT

A. Injection Volumes

Pursuant to the provisions of K.A.R. 82-3-408, annual injection volumes for calendar year 2021 are not required to be provided until March 1, 2022. Staff will not update the volumes unless an increase in seismicity necessitates further study of the volumes.

B. Earthquakes

According to data obtained from the Kansas Geological Survey, there were two earthquakes in the investigative area during the fourth quarter of 2021. The information pertaining to the earthquakes is in the table below.

Date	Mag.	Lat.	Long.
11/3/2021	3.0	39.293°	-99.504°
11/22/2021	3.2	39.312°	-99.377°

¹ Docket No. 20-CONS-3219-CINV, ¶A, p. 2.

Recommendation

At this time, Staff makes no recommendation for further Commission action related to the seismicity in the Rooks County area based on the available data. Staff will continue to monitor the injection and earthquake activity within the 15-mile investigation area. Should either of these activities require immediate action, Staff will request the Commission take such action if the Commission does not take the action on its own motion. Finally, Staff will update the information contained herein and supplement it as necessary on a quarterly basis as contemplated by the Commission's order in this docket.