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Filed Date: 09/30/2022
State Corporation Commission
of Kansas

BEFORE THE STATE CORPORATION COMMISSION
OF THE STATE OF KANSAS

In the matter of a general investigation into increased seismic activity in Rooks County, Kansas.	)	Docket No.: 20-CONS-3219-CINV
	)	CONSERVATION DIVISION
	)	License No.: N/A

NOTICE OF FILING OF QUARTERLY REPORT

The Commission's February 6, 2020, Order in this docket directed Staff to file quarterly reports in this docket, with Staff's first report due by March 31, 2020. Pursuant to those Orders, Staff files the attached Quarterly Report for September 30, 2022.

Respectfully submitted,

/s/ Kelcey A. Marsh

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Dwight D. Keen, Chair
Susan K. Duffy, Commissioner
Andrew J. French, Commissioner

Laura Kelly, Governor

THIRD QUARTER REPORT

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

From: Ryan A. Hoffman, Director, Conservation Division

Date: 9/30/2022

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 third quarterly report of 2022.

REPORT

A. Injection Volumes

Class II volumes for calendar year 2021 were required to be provided by March 1, 2022, and will not be updated in this report due to the limited amount of seismic activity in the investigative area.

B. Earthquakes

According to data obtained from the Kansas Geological Survey, there were five earthquakes in the investigative area during the third quarter of 2022[2]. The dates and magnitudes of the earthquakes are listed in the table below.

Magnitude	Date
2.0	August 1, 2022
2.0	August 14, 2022
2.6	August 30, 2022
2.1	August 30, 2022
2.7	August 30, 2022

[1] Docket No. 20-CONS-3219-CINV, ¶A, p. 2.
[2] http://maps.kgs.ku.edu/earthquake_mini_viewer/

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.