

Additional Information

Applicant Induced Seismicity
Risk Statement; 4/9/2020

Spur Energy Partners LLC examined all available geologic and engineering data and have found no evidence for increased risk of seismicity with the proposed disposal well. Utilizing proprietary 3D seismic data covering the area of interest, we have not interpreted any faults and/or linear features near the subject well. The proposed injection interval within the Canyon formation is greater than 7,000 feet shallower than basement in the area and was previously produced for decades removing 10's of millions of barrels of fluid.

C.J. Lipinski
V.P. Geology

Rose-Coss, Dylan H, EMNRD

From: Rose-Coss, Dylan H, EMNRD
Sent: Thursday, April 9, 2020 2:56 PM
To: Sarah Chapman
Subject: RE: Seismic Question - Morris Arco 26 #2 SWD
Attachments: FSP induced seismicity Example.pdf

Hi Sarah,

Yes, the provided statement will suffice. We're this application to be protested, or require a hearing, Spur would probably benefit from providing more information. However, because this isn't a contested Devonian injector, I can use the provided statement to check the box on my review.

As an example of a more in depth analysis I have attached a fault slip potential analysis that was presented at a hearing. If you would like to study the case a little further feel free to reference the image files for Case no. 20751.

Short of providing a full on model simulation it would be nice to see a structural map of the area and an determination of the wells distance from the nearest fault. Additional information that is helpful in the analysis is a review of the historic earthquake catalogue and a reference to the date of the most recent and most proximal earthquakes.

Anyway, I will add the information to the record and send regards to you, your family and their safety.

Cheers,

Dylan Rose-Coss

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From: Sarah Chapman <schapman@spurepllc.com>
Sent: Thursday, April 9, 2020 7:54 AM

To: Rose-Coss, Dylan H, EMNRD <DylanH.Rose-Coss@state.nm.us>

Subject: [EXT] Seismic Question - Morris Arco 26 #2 SWD

Good morning Dylan,

I am working on compiling the information discussed from our meeting in early March and had a question about the seismic study.

My geos provided me with this but do you have something else in mind?

Hope you and your family are staying safe.

Sarah Chapman

Regulatory Director

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