

State of New Mexico
Energy, Minerals and Natural Resources Department

Michelle Lujan Grisham
Governor

Sarah Cottrell Propst
Cabinet Secretary Designate

Dyla M. Fuge, Acting Director
Oil Conservation Division



Jerry W. Sherrell,
Regulatory Supervisor
Redwood Operating, LLC

RE: Packer Setting Depth Exception

Choate Davis 23 State SWD No. 4 (API 30-015-48797)

Injection Authority: SWD-2444

Permitted Interval: Cisco-Canyon Formations

Mr. Sherrell:

Reference is made to your request on behalf of Redwood Operating, LLC (OGRID 330211; "Redwood") received by the Oil Conservation Division (OCD) on February 10, 2023, for the above named well. Redwood applied for exception for setting the packer within 100 feet of the top perforation in the injection interval.

Redwood has requested a packer setting depth of 6,950 feet below surface or approximately 446.5 feet above the top perforation of the injection well located at 7,396 feet below surface.

It is the OCD's understanding that Redwood drilled the well to 7200 feet below surface and set 7-inch casing with cement circulated to surface. Redwood proceeded to drill to a total depth (TD) of 8,295 feet below surface and set a 4 ½-inch liner from TD to 213 feet below surface into the 7-inch casing. Logs were not run in the open hole portions of the well due to well conditions. After cased hole logs were ran, the Cisco top came in approximately 200 feet lower than anticipated. This caused the approved disposal interval to be lowered from 7,200 feet to 7,395 feet (top of the Cisco). The top perforation is therefore located at 7,396.5 feet, which is 426.5 feet from the liner top. The tubing packer has been set as close to the liner top as possible at 6,950 feet. Due to the unique circumstance with drilling this well and the unconventional design, Redwood is forced to have 446.5 feet between the tubing packer and the top perforation.

For the reasons stated in the application and because it appears that correlative rights are protected, waste will not occur and this modification will not endanger any freshwater aquifer or the environment, the exception is granted. The packer location within this well shall not be set higher

than 446.5 feet above the current depth of the top perforation unless the operator receives written approval from the OCD Director.

The OCD may rescind this exception if it becomes apparent that the injected fluid is not being confined to the permitted interval or is endangering any fresh water aquifer.

Sincerely,


Dylan M. Page
Acting Director

3/2/23
Date:

DMG/dhr

cc: Administrative File SWD-2444 (pBL2121742658)
Well File - 30-015-48797