

Additional Information

6/17/2021

Supplemental Geologic Information

Rose-Coss, Dylan H, EMNRD

From: Nathan Alleman <nalleman@all-llc.com>
Sent: Thursday, June 17, 2021 11:54 AM
To: Rose-Coss, Dylan H, EMNRD
Cc: Lamkin, Baylen, EMNRD
Subject: [EXT] Goodnight - Pedro SWD #1 - Supplemental Geologic Information
Attachments: Pedro Geologic Exhibit - Confining Zones.pdf; ZOOM - Goodnight Ted log and Pedro location.jpg; ZOOM - Goodnight Ribinson log.jpg

Dylan,

Attached is a N-S geologic cross-section showing the wells used to determine the geologic depths of the injection interval and upper and lower confining layers, including the top of the Blinebry. Per the attachment, the Blinebry top was determined to be at 6,330' bgs in Goodnight's Ted Williams SWD and at 6,365' bgs in Goodnight's Robinson SWD.

Goodnight chose the bottom of their injection interval as 6,380' to make sure that they didn't have to later amend their application (and send new notices) if the bottom of the Glorieta/top of the Blinebry came in shallower than what they expected based on the reference wells (this was an issue in the past). Once they drill the well, Goodnight will identify the top of the Blinebry and adjust their perforations so that all of their perforations stay within their permitted San Andres-Glorieta Injection Interval.

Please let me know if you have any additional questions or need us to make any adjustments to the application based on this information.

Thank You!

Nate Alleman

Energy & Environmental Consultant
ALL Consulting
1718 South Cheyenne Avenue
Tulsa, OK 74119
Office: 918-382-7581
Cell: 918-237-0559

Goodnight Midstream Ted 28-1
30-025-44386 F 28 215 36E
KB: 3626 7/31/2018 TD: 7910

Penroc Lockhart B 28 #004
30-025-04812 M 28 215 36E
KB: 3624 before 2/24/1942 TD: 3909

OXY USA State D #003
30-025-04865 A 32 215 36E
KB: 3605 1/27/1936 TD: 3900

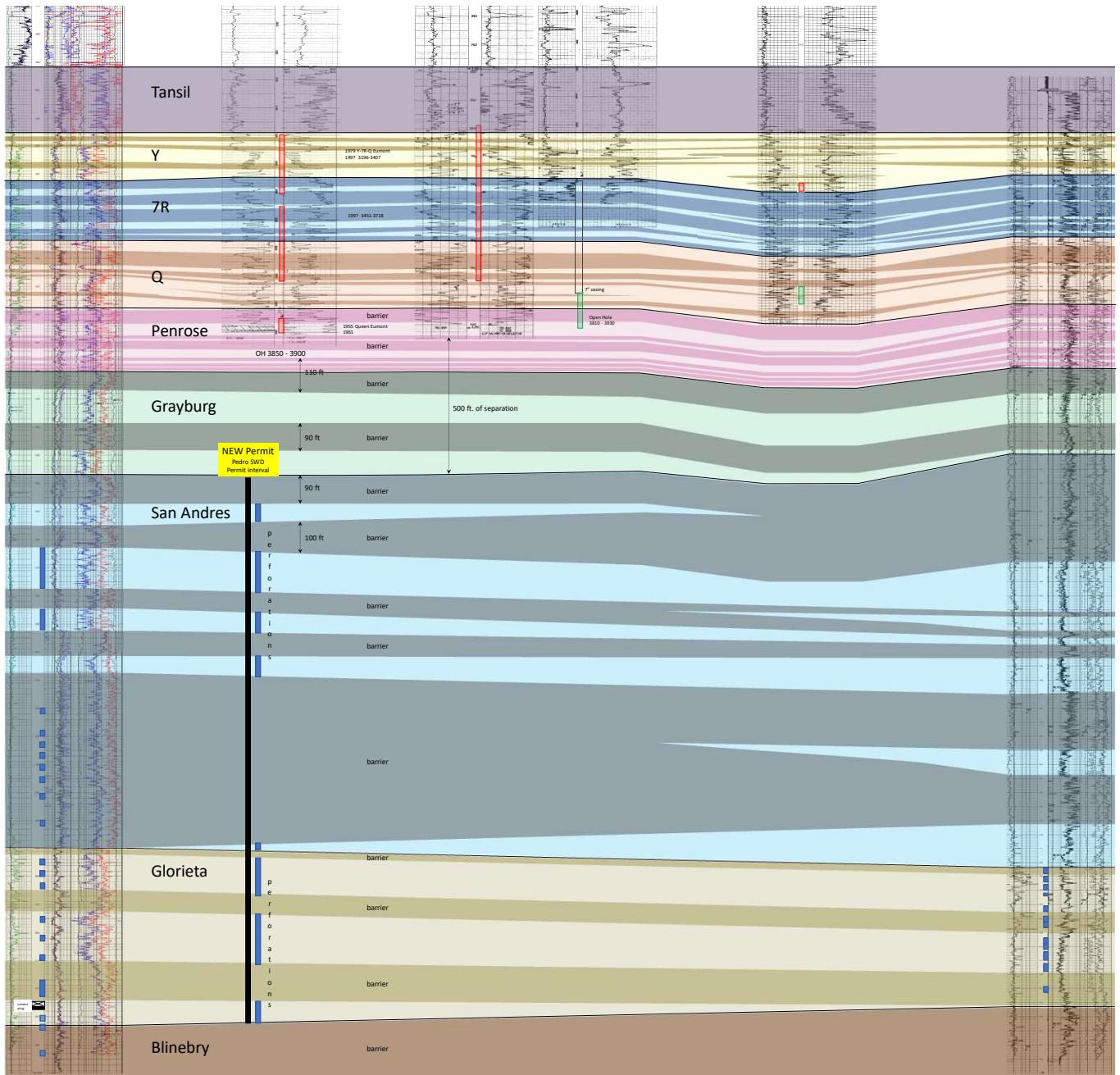
OXY USA State D #004
30-025-04866 H 32 215 36E
KB: 3598 8/12/1936 TD: 3941

Chevron P&A JF Janda NCT 8#003
30-025-04875 P 32 215 36E
KB: 3611 5/1/1957 TD: 3875

Goodnight Midstream Robinson
30-025-46397 F 4 225 36E
KB: 3604 11/26/2019 TD: 6602

SWD

SWD



Goodnight Midstream
Pedro SWD
Eunice Field Area P 28 215 36E
Lea County, New Mexico
December 2020