

Warnell, Terry G, EMNRD

To: jamesbruc@aol.com
Subject: RE: Case 14979

Thank you

From: jamesbruc@aol.com [mailto:jamesbruc@aol.com]
Sent: Monday, March 05, 2012 9:40 AM
To: Warnell, Terry G, EMNRD
Subject: Re: Case 14979

Terry:

1. The GOR would remain at the statewide 2000:1.
2. Retroactive to 7/25/11. ✓
3. The new pool would be the Northwest Young-Delaware Pool. The Young-Delaware was ceated in 1989 by Order No. R-8946, but my client believes this pool is separate geologically from that pool.
4. Set forth below are comments by my geologist on vertical limits of the Young Delaware:

The North Young Delaware Pool (as far as I can tell, excluding the Bola 7 fed #5) produces from at least three separate traps. The wells in Section 9 and 16 of T18S-R32E produce from an Upper Brushy Canyon trap (similar to the new discovery but over 2 ½ miles away) at depths from 5494 to 5732 ft (below KB). The wells in section 8 of T18S-R32E (some plugged or plugged back out of the pool) have production from the Delaware Cherry Canyon tongue at depths 4912 to 5040 ft. The remaining wells in sections 7, 17 and 18 of T18S-R32E (some plugged or plugged back out of the pool) have production from various zones in the Grayburg Fm. as it transitions into the Cherry Canyon at depths from 4410 to 4552 ft. (These zones have been placed in Yates-Seven Rivers-Queen-Grayburg pools further to the west). FFI

Limits for the pool then (as perf'd in depths below the KB reference datum) would be 4410 to 5732 ft. If there are formal vertical limits to this pool, I don't know what they are.

The order creating that pool only gave the top perms in the discovery well -- 5020 feet.

Jim

-----Original Message-----

From: Warnell, Terry G, EMNRD, EMNRD <TerryG.Warnell@state.nm.us>
To: jamesbruc <jamesbruc@aol.com>
Sent: Wed, Feb 29, 2012 2:51 pm
Subject: Case 14979

Hi Jim,

I'm looking at the transcript and have a couple question

1. GOR Limitations
2. SPR retroactive to (date)
3. Is the new pool the Young Delaware North Pool (Pool Code 65355)
4. What are the vertical limits of that pool