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Subject: : Conservation

Topic: : Marcellus Well Site Spacing

Re: Marcellus Well Site Spacing

Author: : FarmerDave

Date: : 2013/4/16 6:32:57

URL:

I think I agree with Pat, plus I am not nearly as familiar with the horizontal wells as Pat. But I found this interesting.

Quote:

pcray1231 wrote:

It's possible, but I doubt it. If it's a straight vertical well, you just go deeper, no need for multiple wells on a pad to hit different formations. Unless one failed or something (they coulda failed to set the concrete right or something, and if unfixable, just abandoned it and drilled another hole). I'm just guessing there.

Something similar actually happened at a straight well a mile and a half from my place.

Permit was for 7000 foot straight well. Target formations were "QUEENSTON THRU TREMPPEALEAU." Multiple formations as Pat suggested.

First off, ... With these deep straight wells they are targeting existing fractures in the shale that they locate through 3D seismic testing. Why not, it's already cracked. And contrary to what some people say, earthquakes are not an issue.

If they just poked a hole in the shale without some type of fracturing, they would get a small amount of gas under very high pressure for a few seconds and then very little. Fffft! Definitely not cost effective. However, if they poke into an existing large crack from millions of years ago where gas was already collecting, frack it to open it up a little more and then collect gas (and oil and even more valuable condensates), these wells pay for themselves in months. Production does drop off after about a year, but still very profitable for about 10.

Anyway, on that well I mentioned, they got the bit stuck in a fault and couldn't back it out. Chit happens. The plan was to cap that "well" and move the rig 5 feet and drill another hole aiming for the same crack, but that was eventually scrapped in favor of moving up the road 6 miles where other crews had already drilled 3 successful wells.

I know of another permit issued for a well within a 1000 feet or so of that one (no closer to my place though), but they haven't done that one yet, either.