

AINSWORTH SWD WELL NO. 1

DATA SHEET

The applicant will re-enter the P&A Halvey Energy Company State No. 1. All existing plugs will be drilled out and the well deepened from 12,174' to approximately 12,230'. A string of 5 1/2" casing will be run to total depth and cemented with a sufficient volume of cement to tie back into the 8 5/8" intermediate casing set at 4500'.

The 5 1/2" casing will be perforated at approximately 12,170-12,220 and treated with 500 gals. acid. A string of 2 7/8" plastic lined tubing will be run in the well with a Baker Lok Tension Set packer to be set at around 12,100'. Injection will be through tubing below a packer. The casing-tubing annular space will be filled with an inert fluid and will be equipped with a guage for monitoring for leaks.

It is anticipated that injection will average 10,000 bbls. per day with a maximum of 12,000 bbls. per day. Produced water from wells in the area will be trucked and possibly pipelined to the disposal facility and the system will be an open system. Produced waters from the Wolfcamp and Devonian will be accepted for disposal and compatability results will be presented at the hearing. It is anticipated that the well will accept this volume of water on a vacuum but a limiting pressure of 2430 psi is requested.

The Devonian in the area can be described as a light tan, porous, vuggy dolomite and is around 240' thick. There is faulting noted in the Devonian, in the area, but it does not extend through the overlying Woodford Shale. The Woodford Shale is an effective seal against fluid migration upward from the Devonian.

The Ogallala is present in the area and contains the only available fresh water. Depth to fresh water is around 60' and the base of the Ogallala is at around 150'.

The surface owner and all offset operators within one-half mile of the well have been notified by certified mail.

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