

This well was drilled by Cities Service Oil Company in 1941. It produced from various zones from 3805' up to 3289'. The well was then plugged and abandoned by Cities Service in 1977. Copies of the original Log of Oil or Gas Well and the 9-331 subsequent report of abandonment is included. Zia Energy, Inc. proposes to re-enter this well and recomplete it to serve as a SWD well. The following procedure will be used for this re-entry and recompletion. A well servicing unit (not a drilling rig) will be rigged up on the present location. Reverse circulation equipment will be rigged up to perform the drilling operations. The dry hole marker will be removed. Clean out operations will commence with the cement plug at the surface. Cement plugs 1441' to 1498' and 1880' to 2100' will be drilled out. The top of the 5½" 15# casing stub at 2020' will be dressed off with a mill in preparation to run 5½" casing and tie the two 5½" casing strings together. An overshot will be run on the bottom of the 5½" casing being run at this time and the overshot will fit over the 5½" casing stub at 2020'. The 5½" casing will be cemented, using enough cement to circulate from 2020' back to the surface. Clean out operations will continue, drilling out a CIBP and cement from 3190' to 3240'. Perforations from 3289' to 3390' and from 3450' to 3470' will be squeezed off using cement. The cement retainer and cement plug from 3250' to 3470' will be drilled out. Perforations from 3514' to 3534' were squeezed off in June 1952, using 200 sacks of cement. The cement retainer at 3493' and a cement plug down to 3534' will be drilled out. The casing from 3534' to 3750' will be pressure tested and, if necessary, any additional perforations will be squeezed off. The well will be cleaned out to its original total depth of 3805'. Approximately 3650' of 2 3/8" plastic lined tubing will be run with a packer, which will be set at approximately 3650'. The annular space between the 5½" casing and the 2 3/8" tubing will be filled with a fluid which has been treated to prevent corrosion. The casing will be equipped with a pressure gauge at the surface in order to detect any increase in pressure from a tubing or casing leak. The well will be connected up and placed in operation as a salt water disposal well.

Application has already been made to the New Mexico Oil Conservation Division for approval for a SWD well at this location. Case No. 8044 was heard by the N.M. O.C.D. on January 18, 1984, concerning this application.

On January 24, 1984, Mr. Mark Hollis, with the Bureau of Land Management in Carlsbad, indicated in a telephone conversation that, since no additional land area would be disturbed using a well servicing unit, he felt that no archaeological clearance report would be required. Other reports are attached as required.