

C-108
Application For Authorization To Inject
Harvard Petroleum Corporation
James Federal #1
0 29-23S-32E
Lea County, New Mexico

- I. This well was originally drilled to test the Delaware formation which was determined to be unproductive. The decision was then made to convert the well to a disposal well for Delaware produced water.
- II. Operator: Harvard Petroleum Corporation
P. O. Box 936
Roswell, New Mexico 88202-0936
Jeff Harvard or Jim Ball (505)623-1581
- III. Well Data: See Attachment A.
- IV. This is not an expansion of an existing project.
- V. See attached map, Attachment B.
- VI. There are two wells within the one-half mile radius which penetrate the Delaware formation:
 1. James Federal #2, See Attachment C.
 2. State "IG" #1, See Attachment D.
- VII.
 1. Proposed initial average daily injection volume approximately 800 BWPD.
Maximum daily injection volume approximately 5000 BWPD.
 2. This will be a closed system.
 3. Proposed average injection pressure - 500 psi.
Proposed maximum injection pressure - 1250 psi.
 4. Sources of injected water would be produced water from the Delaware formation. See Attachment E.
 5. See Attachment F.
- VIII.
 1. The proposed injection interval is the upper Delaware formation or Bell Canyon (Delaware) consisting of limey shales and porous fine grained sands from estimated depths of 4844' to 6160'.
 2. A telephone conversation with Mr. Richard Cibak - Pecos River Drainage Supervisor with the New Mexico State Engineer Roswell Office stated that there are no water wells or known aquifers within at least two