

Annular Volumes:

<u>Annular Dimensions</u>	<u>Volume</u>			
	<u>(bbl/ft)</u>	<u>(ft/bbl)</u>	<u>(ft³/ft)</u>	<u>(ft/ft³)</u>
5-1/2" csg x 2-3/8" tbg	0.0239	41.8302	0.1342	7.4503
5-1/2" csg x 2-7/8" tbg	0.0214	46.8248	0.1199	8.3399

NOTES:

- A. TFW = fresh water + 2% KCl + 1:1000 Adomall.
- B. BE SURE THAT ONLY PINS ARE DOPED WHEN RUNNING TUBING; THIS IS EXTREMELY IMPORTANT IN INJECTION WELLS.

RECOMMENDED PROCEDURE:

1. MIRU. NU BOP. Release Baker AD-1 packer from 3591' and POOH with 2-3/8" plastic coated tubing.
2. PU 4-3/4" bit, 5-1/2" scraper, and 2-7/8" workstring and trip to 3775'.
3. PU bit and RIH. Clean-out to PBTD of 3950'.
4. RU service company to run a GR/CCL strip (from PBTD to minimum charge depth) correlated to the Welex Jet Services, Inc.'s Radioactivity Log dated 7/26/55. Load 5-1/2" hollow steel carrier casing guns as per the following specifications:

Phasing = 180°
Charge Gram Weight > 18 grams
Berea EHD (Entry Hole Diameter) > 0.45"
Berea TTP (Total Target Penetration) > 10"
Berea CFE (Core-Flow Efficiency) > 0.75

Perforate the P-3 Zone with 4 shots per foot:

<u>Depth(ft)</u>	<u>NEP(ft)</u>	<u>No. Shots</u>
3782-3795	14	56

Re-perforate and add perfs to the P-4 with 2 shots per foot:

<u>Depth(ft)</u>	<u>NEP(ft)</u>	<u>No. Shots</u>
3806-3823	18	36
3826-3831	6	12
3834-3858	25	50
TOTAL	49	98

5. RIH with 5-1/2" treating packer on 2-7/8" workstring. Set packer at 3675'.
6. RU service company to acidize. Acidize with a total of 140 bbls (5880 gals) of 15% HCl-NE-FE acid (double inhibited - 48 hrs) plus 5% Xylene in 4 stages diverted with 900 lbs of rock salt.