

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>
6-3/4"(OH)x2-7/8"(tbg)	0.0362	27.6243	0.2034	4.9164
4-3/4"(OH)x2-7/8"(tbg)	0.0139	71.9424	0.0780	12.8205
5-1/2"(17ppf)x2-7/8"(tbg)	0.0152	65.7895	0.0854	11.7096

NOTES:

A. TFW = fresh water + 2% KCl + 1:1000 Adomall.

RECOMMENDED PROCEDURE:

1. MIRU pulling unit. POOH with rods. NU BOP. TFF and TOOH. Visually inspect rods and tubing for scale, paraffin, and corrosion. Catch two samples of any scale or paraffin found; send one in for analysis and the other to Tom Boelens in Engineering.
2. PU 4-3/4" bit and 5-1/2" scraper on 2-7/8" production tubing and trip to 3840' (bottom of 5-1/2" casing @ 3854').
3. OPTIONAL: In necessary, PU bit and bailer and clean out (or circulate) to PBTD at 3912'.
4. RU service company to perforate. Run a GR/CCL strip from TD to 2500'; correlate to the Schlumberger "Simultaneous Compensated Neutron-Formation Density" log dated 3/15/76. Perforate with a 4" hollow steel carrier casing gun with the following specs:

Shots per foot = 2
 Phasing = 180°
 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 following depths:

<u>Depth(ft)</u>	<u>NEP(ft)</u>	<u>No. Shots</u>
3797-3805	9	18
3808-3813	6	12
3817-3824	8	16
3834-3842	9	18
3844-3852	9	18
TOTAL	41	82

5. RIH with 5-1/2" treating packer and set at 3700'.
6. RU service company to acidize with a total of 4200 gal (100 bbl) of 15% HCl-NE-FE (double inhibited - 48 hrs) + 5% Xylene acid and 700 lbs of rock salt in 3 stages as follows: