MATERIAL TEST LOOP LOG - 100 DAY TEST

G.L. Mines
13 December 1976

8/25 Test started at approximately 1300. Loop had been flowing for about 72 hours (flow had been off for approx. 1-2 hrs. the 24th to remove samples from the well head).

Test had to be shut down at 1430 to change test sample locations (were initially located immediately upstream from the orifice plates). Test started up again at 1500. Flow at about 160 gpm, 150 psig, and 270°F.

9/1 Flow shut off for about 45 minutes to install ball valve. Flow brought up to 160 gpm when re-established. Temperatures vary between 270° and 276°F, and pressure between 140 and 160 psig at the 160 gpm.

9/8 Flow shut off for about 8 hours. Loop laid up wet under nitrogen blanket at about 90 psig (filled with brine). Temp ∿ 150°F

9/15 HX loop started @ 5.5-6 gpm
Flow shut off for 3 hours. Loop maintained at well head pressure. Temp ∿ 200°F

9/26 Test stopped because of Transite line break. Samples kept warm (∿ 40 gpm flow) at about 250°F.

9/27 Samples removed - loop laid up wet under nitrogen blanket of about 130 psig. Temp at about 70° to 100°F

10/6 Flow started. Flow at 160 gpm (± 5%), 270°F, and 150 psig

11/11 Flow shut off and samples removed. At 1150 flow started. At 1930 well shut in due to Transite line break. Loop laid up at well head pressure.

11/12 Flow started at 40-60 gpm (in A.M.) Temp at 250-260°F

11/19 Flow brought up to 160 gpm. Temp up to 270-275°F

12/21 Scheduled removal of last set of test samples.

During normal flow conditions through the loop, flow rates varied from 150 to 170 gpm, temperatures varied between 270° and 276° F, and pressure between 140 and 160 psig.