**Visual Cell Test Log File**

**Test No:** 3rd Test

**Description:**

 Testing strength of BIOS3 in reservoir temperature (80$℃$) and also investigating its behavior in contact with BALAL’s crude oil and NaCl 200k ppm brine

**Date:** 2/5/2023

**Time:** 08:00 AM

**Number of Samples:** 4

**Samples:**

 Pure BIOS3 solution, BIOS3 + 200k ppm NaCl, BIOS3 + Crude Oil, 200k ppm NaCl+ BIOS2 + Crude Oil

**Sample Preparation:**

Mixtures were prepared with equal volume ratio and total volume of 50 ml and were stirred for 5 min except the combination of BIOS3 + 200k ppm NaCl

**Log:**

|  |  |  |  |
| --- | --- | --- | --- |
| **No.** | **Date** | **Time** | **Description** |
| **1** | 2/5/2023 | 08:00 | Cells were washed with tap water, toluene, methanol (methanol showedgreat performance) and once again with tap water respectively, then were dried using N2 gas |
| **2** | 2/5/2023 | 13:00 | Start of filling the cells manually without use of the cylinders and pumps  |
| **3** | 2/5/2023 | 15:00 | Filling were completed and temperature set to 60$℃$ and pictures were taken |
| **4** | 2/6/2023 | 08:00 | Temperature set to 80$℃$ |
| **5** | 2/7/2023 | 10:30 | Cells were checked and pictures were taken, mentioned pictures can be found in a file named “[Aqueous Stability Tests-T3.docx](Aqueous%20Stability%20Tests-T2.docx)” |