

1. **Well Name:** Kept confidential as per operator's request
2. **Field/Block Name:** Kept confidential as per operator's request
3. **State & Country:** Angola, Africa
4. **Onshore or Offshore:** Offshore
5. **Hole Sizes, Intervals where Liquid Casing-Coarse used:** 12 ¼" hole.
6. **Rates of Losses before spotting the Liquid Casing Pill:** Total losses with no return.
7. **Operator Name:** TEXACO
8. **Mud Company name:** Baroid
9. **In which Mud System Liquid Casing-Coarse is used:** Water based polymer mud
10. **Date of the using the LCM Pill:** Years 1999-2001
11. **Dosage of Liquid casing-Coarse used in the pill:** 50 ppb
12. **Mud Density:** 9.8 ppg

Brief Description of the Job Performed:

The Operator TEXACO who is operating in Offshore Angola close to TOTAL field noticed the success of curing losses by TOTAL and ordered Liquid Casing-coarse & Fine to solve their problems. As their field is close to TOTAL field, they also have similar problems in fragmented limestone.

Highly fragmented limestone formation resulted in total losses while drilling. Texaco with their past experience using Liquid casing products ordered urgently with service Engineer and our service Engineer mixed and pumped Liquid casing pills (1X 100 bbl) and losses were completely cured. Later the operator used Liquid Casing-Fine with 3-4 ppb in active mud system and wells drilled smoothly. Texaco continued to use our products for many years.