What Could Have Happened

1. Before or during the cement job, an influx of hydrocarbon enters the wellbore.

2. Influx is circulated during cement job to wellhead and BOP.

3. 9-7/8” casing hanger packoff set and positively tested to 6500 psi.

4. After 16.5 hours waiting on cement, a negative test performed on wellbore below BOP. (~ 1400 psi differential pressure on 9-7/8” casing hanger packoff and ~ 2350 psi on double valve float collar)

5. Packoff leaks allowing hydrocarbon to enter wellbore below BOP. 1400 psi shut in pressure observed on drill pipe (no flow or pressure observed on kill line)

6. Hydrocarbon below BOP is unknowingly circulated to surface while finishing displacing the riser.

7. As hydrocarbon rises to surface, gas break out of solution further reduces hydrostatic pressure in well. Well begin to flow, BOPs and Emergency Disconnect System (EDS) activated but failed.

8. Packoff continues to leak allowing further influx from bottom.