Non-commutative quadrics are ruled

Non-commutative quadrics, defined and classified by M. Van den Bergh, are non-commutative deformations of $\mathbb{P}^1 \times \mathbb{P}^1$. They are classified in terms of their point schemes $C$ and associated commutative geometric data.

We describe progress towards proving that a non-commutative quadric with $C$ a smooth genus 1 curve is a non-commutative ruled surface over $\mathbb{P}^1$. 