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(Music)

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Hi I'm Scott McCloskey, drill systems engineer for the Mars Science Laboratory and this is the Curiosity rover

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report. We began our first drilling campaign at the site we named John Klein.

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John Klein is an area that has a set of flat 'plate-y' rocks that are perfect for the first use of the drill.

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We were able to place the arm safely and drill vertically down into the rock to collect as much sample as

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possible. We started by making a very small divot to test the hammering mechanism in the drill.

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This worked perfectly, so we proceeded on to make a mini hole. Our mini drill test drilled 2 centimeters

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down into the rock. We compared the tailings created by the mini drill to the extensive set of test rocks

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that we drilled the here on Earth here at JPL and determine that the material that we see on Mars are

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safe to ingest into the system. After these preparations we were all very excited to move on to the big

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event. We drilled 6-and-a-half centimeters down into the rock.

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We used the camera at the end of the arm to take pictures. Here we see two holes.

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First on the right is the mini drill hole; in the center of the picture, we have the full hole. The gray

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tailings tell us that there's something different about the inside of this rock than the surface of the

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the rock. In the coming weeks, one of the things that we're trying to do with this first hole

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is to use this gray powder that we collect to clean the internal surfaces of the drill. We do that by moving