



**AZTEC
MINERALS**
corp.



**Aztec Minerals Phase 1 Reverse Circulation
Drilling Program at the Historic Tombstone Silver
District is currently underway**

AZT: TSXV, AZZTF: OTCQB

SEPTEMBER 2020

What is Reverse Circulation (RC) Drilling?

Reverse circulation or **RC drilling**, is a method of drilling which uses dual wall drill rods that consist of an outer drill rod with an inner tube. These hollow inner tubes allow the drill cuttings to be transported back to the surface in a continuous, steady flow.

- Unlike diamond drilling, it compiles sample rock cuttings instead of rock core. The drilling mechanism is most often a pneumatic reciprocating piston called a hammer, which in turn is driving a tungsten-steel drill bit, specifically made to be able to crush hard rock.
- The hammer is used to remove rock samples which are pushed through the machine with compressed air. When air is blown down the annulus (ring-shaped structure) of the rod, the pressure shift creates a reverse circulation, bringing the cuttings up the inner tube. When the cuttings reach a deflector box at the top of the rig, the matter is moved through a hose attached to the top of the cyclone.
- The drill cuttings will travel around the cyclone until they fall through the bottom opening into a sample bag. These bags are marked with the location and depth of the place where the sample was collected and can be transported directly to the assay lab for analysis.

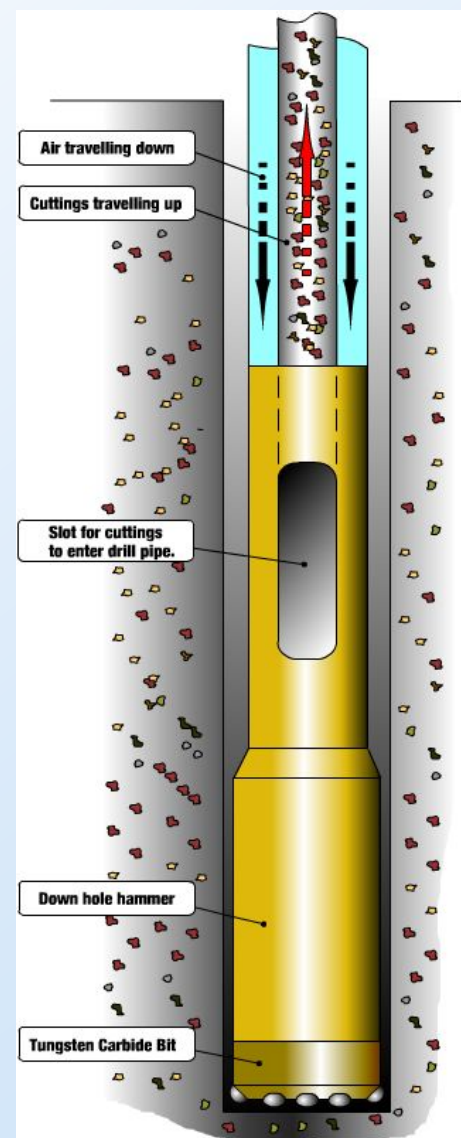
Animated Overview:

<https://www.youtube.com/watch?v=8RzPtA6IWp0>

Information Sources:

<https://castledrill.com/reverse-circulation-drilling/>

<https://www.midnightsundrilling.com/index.php/services/reverse-circulation-center-sampling-2>



Distance view of drill on edge of Contention Pit



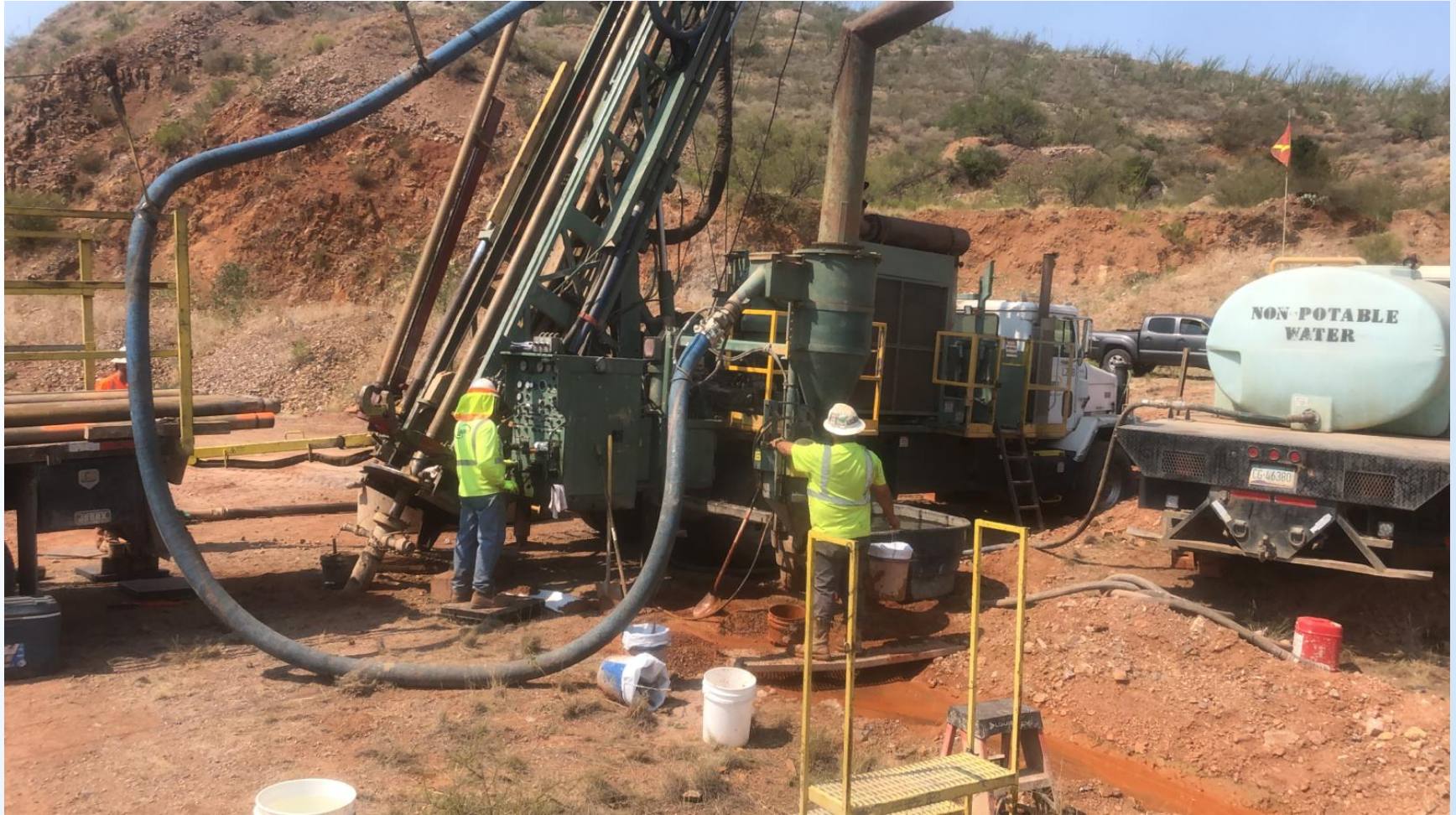
Close up view of drill on edge of Contention Pit



Drill Setting up an angled hole



Drill at Tombstone run by driller & assistant



RC Drilling 101



drill cuttings flow from the drill bit back up an inner tube into a cyclone then a splitter and a sample is collected for assay every 5 feet



RC Drilling 101

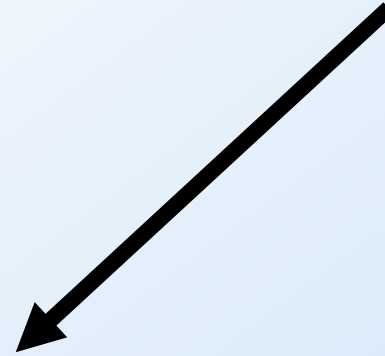


samples are collected in 5 gallon pails and slimes run off into a collection area

RC Drilling 101



rock chip trays store samples every five feet for geological logging



Tombstone RC Drilling 2020



rock chips showing sulfide minerals that typically carry gold and silver mineralization

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