# Sidney Resources Presents The First Look At Innovative Laser Mining Technology, Video Attached

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COEUR D' ALENE, ID / ACCESSWIRE / July 19, 2023 / Sidney Resources Corp. (OTC PINK:SDRC), a leading innovator in mining technologies, proudly announced the completion of the first round of laser testing at the prestigious Colorado School of Mines earlier this month (see 7/5/2023 Company Update). This revolutionary advancement in laser spalling technology is expected to revolutionize the mining and construction industries, attracting the interest of investors, governments, and mining equipment manufacturers worldwide. Click the link for a firsthand glimpse at what we consider to be the future of mining. CLICK HERE

On the laser testing Colorado School of Mines Lab Manager Nathan Fennell stated :

"Due to the significant uncertainties involved in our testing, we approached the initial phase cautiously, opting for low power levels and longer hold times. Our initial parameters consisted of operating below 1000W power and varying hold times from 0.1 to 30 seconds. During this phase, we observed intriguing results: the laser generated higher temperatures that caused notable effects on the granite, including penetration exceeding 1 centimeter and a glassing effect. However, the presence of cuttings filling the holes made it challenging to ascertain the precise depth achieved. To gain more accurate insight, we would need to cut a specimen and assess the actual impact depth.

Upon modifying our approach by reducing the hold time to less than 1 second and increasing the laser power to 3000W or higher, we observed overall lower rock temperatures and spalling occurring in approximately 1 centimeter circles. This development indicates that fine-tuning the power level to exceed 3000W, combined with exposure times below 1 second, may lead us to the optimal settings. To determine the most effective method of achieving this, we are considering the possibility of pulsing the laser or oscillating the mirrors. While both approaches have their merits, oscillating the mirrors appears more promising as it would extend mirror lifespan, reducing maintenance efforts.

Building on our findings, we have identified another possible avenue for exploration. By focusing the laser on or near natural rock fractures, we noticed distinct characteristics that differed from the results obtained on solid rock surfaces. This observation suggests that when the laser is in close proximity to an edge or fracture, the rock may reach its energy absorption or dispersal limit, resulting in fragmentation into several smaller pieces. Investigating this further could yield valuable insights and enhance our overall understanding of the laser's interaction with geological structures."

Initial laser testing at the Colorado School of Mines was a huge success, marking a major milestone for Sidney Resources and the mining sector as a whole. Sidney is committed to continuing its research and development efforts with the support of the Colorado School of Mines and other industry leaders in order to improve mining's long-term sustainability.

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About Sidney Resources Corp:

Sidney Resources Corp. is a green technology, clean water and clean refining company that strives to change the way the world develops. Our efforts will provide a cleaner world so our children can express their brilliance to the highest of their potential. Our future lies in our future generations' ability to problem solve without the toxins and carcinogens that inhibit development. Sidney is advancing technologies that will implement cleaner methods not only beneficial economically but designed to maintain a sustainable future.

FORWARD-LOOKING STATEMENTS:

This press release contains forward-looking statements as defined within Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended. These statements relate to future events, including our ability to raise capital, or to our future financial performance, and involve known and unknown risks, uncertainties and other factors that may cause materially different results, levels of activity, performance or achievements expressed or implied by these forward-looking statements. You should not place undue reliance on forward-looking statements since they involve known and unknown risks, uncertainties and other factors which are, in some cases, beyond our control and which could, and likely will, materially affect actual results, levels of activity, performance or achievements. Any forward-looking statement reflects our current views with respect to future events and is subject to these and other risks, uncertainties and assumptions relating to our operations, results of operations, growth strategy and liquidity. We assume no obligation to publicly update or revise these forward-looking statements for any reason, or to update the reasons actual results could differ materially from those anticipated in these forward-looking statements, even if new information becomes available in the future.

For a discussion of these risks and uncertainties, please see our filings with the OTC Markets Group Inc. Our public filings with the OTC Markets Group Inc are available from commercial document retrieval services and at the website maintained by the OTC Markets at https://www.otcmarkets.com/stock/SDRC/disclosure

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