Round Top: An Unprecedented Domestic Heavy Rare Earth Project

USA | Rare Earth

What is Round Top?

Round Top is one of the United States' richest known deposits of heavy rare earth elements (HREEs), as well as gallium, hafnium, and zirconium. HREEs are the scarcest, most strategically important part of the rare earth element group, and often the key constraint for magnets and advanced systems. There is no replacement for HREEs in high-performance technologies such as defense systems, semiconductors, and aerospace components.

Located on **state land in Sierra Blanca, Texas,** and operated by USA Rare Earth (USAR) under a long-term lease with the Texas General Land Office (GLO).

Round Top is a key part **of USAR's globally integrated mine to magnet value chain,** which includes feedstock mining, oxide processing and separation, metal and alloy production, and magnet manufacturing.

We are building a **global champion in critical minerals technology, which will provide a secure and resilient supply of HREEs** for the U.S. and its allies, addressing customer needs across a range of defense and advanced technology applications.

Round Top's strategic value

- Under USAR's Accelerated Mining Plan ("AMP"), the Company is rapidly advancing development of Round Top, with commercial production expected to begin in 2028.
- **Conventional rare earth processing** is capital- and energy-intensive: **Mine → Crush → Grind → Flotation → Magnetic Separation → Roasting → Acid Bake → Leaching → Solvent Extraction**
- **Round Top's flowsheet requires fewer steps**, reducing costs and power required, and simplifying operations: **Mine → Crush → Heap Leach → Solvent Extraction**
- Sierra Blanca also offers advantages such as proximity to highways and rail lines and access to El Paso's workforce.

Round Top will produce valuable HREEs and critical minerals that are largely unavailable domestically and essential to semiconductors, aerospace, defense and energy production. **These include:**

66	**Dy**	Dysprosium	162.500
65	**Tb**	Terbium	158.92535
39	**Y**	Yttrium	88.90584
64	**Gd**	Gadolinium	157.25
72	**Hf**	Hafnium	178.49
68	**Er**	Erbium	167.259
69	**Tm**	Thulium	168.93422
71	**Lu**	Lutetium	174.9668
70	**Yb**	Ytterbium	173.045
67	**Ho**	Holmium	164.93033
31	**Ga**	Gallium	69.723
40	**Zr**	Zirconium	91.224

How to think about "grade"

- Round Top is often described using a headline number of total rare earth oxide (TREO) grade.
- Round Top's 72% HREE basket represents a 2-3x enrichment over even the best ionic clays and a 5-15x enrichment over many conventional hard rock deposits.
- For magnets, the more useful question is what fraction of that total is HREEs, and how much of those HREEs can be recovered in processing.
- Round Top's recoverable HREE grade is 328 ppm, as determined by:

  Grade (650 ppm) × **HREE distribution** (72%) × **Metallurgical recovery** (70%)

- This fundamentally transforms project economics because revenue per ton is determined by HREE content, not total REE content.

Forward Looking Statements

Certain statements made in this presentation (together with any oral statements made in connection herewith) are or contain "forward-looking statements" within the meaning of Section 27A of the Securities Act of 1933, Section 21E of the Securities Exchange Act of 1934 and the Private Securities Litigation Reform Act of 1995. These statements, which involve risks and uncertainties, may include statements relating to future development, operations, business strategies, financial performance, sales and customers, and the expected timing and likelihood of completion of development projects. Such statements can be identified by the fact that they do not relate strictly to historical or current facts. Words such as "anticipate", "expect", "believe", "can", "continue", "could", "estimate", "expect", "forecast", "intend", "may", "might", "plan", "possible", "potential", "predict", "project", "seek", "should", "strive", "target", "will", "would" and similar expressions may identify forward-looking statements, but the absence of these words does not mean that a statement is not forward-looking. Forward-looking statements are subject to risks and uncertainties that could cause actual results to differ materially from our expectations. These risks and uncertainties include, but are not limited to: (1) the risk that the expected transaction with the U.S. government is not completed on the expected terms, or at all; (2) the risk that we will not be able to execute our business plan, including our development projects; (3) risks related to the timing and achievement of the expected business milestones of the expected U.S. government transaction, including with respect to the development of the Round Top deposit, development and expansion of processing and separation facilities, development and expansion of metal-making and strip-casting facilities, and development and expansion of the magnet manufacturing facility; (4) the risk that the expected transaction with the U.S. government, which will be funded in phases over time subject to our achieving milestones and other uncertainties, ultimately results in less proceeds to us than anticipated; (5) our ability to obtain additional or replacement financing, as needed; (6) the significant long-term and inherently risky investments we are making in mining and manufacturing facilities may not realize a favorable return; (7) the risk that acquired businesses will not be integrated successfully or that the integration will be more costly or difficult than expected; (8) the risk that the synergies from any of the transactions that we have completed or are pursuing may not be fully realized or may take longer to realize than expected; (9) our ability to build or maintain relationships with customers and suppliers; (10) the ability to grow and manage growth profitably; (11) our ability to attract and retain management and key employees; (12) the overall supply and demand for rare earth minerals; (13) the costs of production, capital expenditures and requirements for additional capital, including the need to raise additional capital to implement our strategic plan and access the expected U.S. government transaction; (13) substantial doubt regarding our ability to continue as a going concern for the twelve months following the issuance of our third quarter 2025 Condensed Consolidated Financial Statements; (14) the timing of future cash flow provided by operating activities, if any; (15) the risk that the Round Top Deposit might not be able to be commercially mined and our ongoing exploration programs may not result in the development of profitable commercial mining operations; (16) the uncertainty in any mineral estimates, uncertainty in any geological, metallurgical, and geotechnical studies and opinions; and (17) transportation risks. Detailed information regarding factors that may cause actual results to differ materially has been and will be included in our filings with the SEC, including the our Form 10-K that we filed with the SEC on March 31, 2025, our latest Quarterly Reports on Form 10-Q filed with the SEC, and the Current Report on Form 8-K that we filed with the SEC on January 26, 2026. These statements are only predictions and involve known and unknown risks, uncertainties, and other factors. Any forward-looking statements speak only as of their date, and we undertake no obligation to update any forward-looking statements to reflect events or circumstances occurring after their date or to reflect the occurrence of unanticipated events.

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