

Premier American Uranium Expands Mineralization at Kaycee ISR Uranium Project in Wyoming Following 100,000+ ft Drill Program

20.01.2026 | [GlobeNewswire](#)

[Premier American Uranium Inc.](#) ("PUR", the "Company" or "Premier American Uranium") (TSXV: PUR) (OTCQB: PAUIF) is pleased to announce drill results from the 2025 drilling program at the Company's wholly-owned Kaycee ISR Uranium Project ("Kaycee" or the "Project") located in the prolific Powder River Basin ("PRB") of northeastern Wyoming. The 2025 drilling campaign successfully advanced multiple targets, expanding areas of known uranium mineralization in the Outpost, Rustler, and Stampede exploration areas, each associated with major redox-controlled roll-front systems within the PRB. The Project is situated in the vicinity of several past and presently producing ISR uranium operations, including Energy Fuels Inc.'s Nichols Ranch and [Uranium Energy Corp.](#)'s Christensen Ranch ISR operations (Figure 1).

Highlights

- Drilling completed in 2025 includes 132 drillholes for a total of 100,107 ft.
- Follow-up drilling in the Outpost target area (Figure 2) during 2025 has confirmed the presence of a newly defined uranium-bearing roll front system within Fort Union Formation channel sands. The discovery builds upon positive drilling results from the Company's late-2024 drilling program. Careful and astute field observations by the Company's geologists resulted in the recognition of remnant uranium mineralization in up-dip exposures along the Pine Ridge escarpment and its relationship to more robust mineralization down-dip, at the Outpost target area with the following results:
 - Eleven of the 23 holes encountered uranium mineralization.
 - Eight of the 11 mineralized holes encountered grades of 0.02% eU_{3O₈} or greater with a thickness of at least 2 ft (Table 1), including 3.5 ft of 0.27% eU_{3O₈} in drillhole LT25-065 and 5.5 ft of 0.125% eU_{3O₈} in drillhole LT25-069.
- Drilling in the Rustler area further defined a previously identified north-south trending redox-front with associated uranium mineralization hosted in Wasatch Formation channel sands. This 3.5-mile corridor represents one of the most laterally continuous redox interfaces in the project area, with the following results:
 - Twenty-two of the total 81 holes drilled in the Rustler area in 2025 encountered uranium mineralization.
 - Fifteen of the 22 mineralized holes encountered grades of 0.02% eU_{3O₈} or greater with a thickness of at least 2 ft (Table 1), including 8.5 ft of 0.083% eU_{3O₈} in drillhole RT25-042 and 4 ft of 0.09% eU_{3O₈} in drillhole RT25-064. The mineralized holes confirm the continuity of previously identified mineralization and are believed to demonstrate favourable host-sand characteristics and geologic characteristics similar to the nearby Nichols Ranch ISR uranium project of Energy Fuels Inc. less than five miles to the east.
- Mineralized intercepts encountered in the Stampede area during 2025 drilling (Table 1) demonstrate continuity of the Wasatch-hosted redox trend between Stampede and Rustler, indicating that uranium mineralization extends along a broad north-south corridor. This finding strengthens the regional model for roll-front development and supports ongoing exploration targeting underexplored segments of the redox trend.

Colin Healey, CEO of PUR commented, "We are highly encouraged with the results of the 2025 drilling program at Kaycee, which validated our thesis that the Project offers resource potential in a top U.S. uranium producing jurisdiction. The program delivered a substantial number of holes with grades and thicknesses exceeding those typically necessary for incorporation into a mineral resource estimate, which we believe is very positive and bodes well for our 2026 exploration plans at Kaycee which are in the final planning stages. Goals for 2026 include aggressive follow-up on newly identified and known mineralized areas to determine resource potential and formally confirming historical resources at the Project, while also testing high-priority targets born from recent drill work. PUR continues to establish a track record of successful consolidation of quality projects and rapidly demonstrating further value in the expanding portfolio. I congratulate our growing team on our successes portfolio wide."

Table 1. 2025 Kaycee Significant Intercepts

Hole	Intercept	From (ft)	To (ft)	Length (ft)	eU?O?%
	intersected	793.5	796	2.5	0.072
LT25-051	including			1.5	0.095
	including			1	0.111
LT25-059	intersected	610	616.5	6.5	0.063
	including			4.5	0.078
	intersected	798.5	802	3.5	0.27
LT25-065	including			2.5	0.365
	including			2	0.438
	intersected	783.5	786.5	3	0.065
LT25-066	including			1.5	0.095
	including			0.5	0.115
	intersected	806	810	4	0.084
LT25-068	including			3	0.099
	including			1	0.109
	intersected	782.5	785.5	3	0.33
	<i>and</i>	799.5	805	5.5	0.125
LT25-069	including			4	0.159
	including			2	0.259
LT25-070	intersected	789	791	2	0.039
	including			0.5	0.053
LT25-071	intersected	789.5	793	3.5	0.037
	including			0.5	0.06
RT25-018	intersected	137	139.5	2.5	0.045
	including			1	0.062
	intersected	527.5	531.5	4	0.053
RT25-028	including			2	0.073
	<i>and</i>	537.5	540	2.5	0.034
	intersected	440	448.5	8.5	0.083
RT25-042	including			7.5	0.09
	including			2	0.117
	intersected	419.5	421.5	2	0.046
RT25-047	including			1	0.061
RT25-049	intersected	695.5	697.5	2	0.33
RT25-053	intersected	702	704	2	0.028
	intersected	364	369	5	0.061
	including			2	0.07
RT25-058	including			1.5	0.073
	<i>and</i>	675.5	678	2.5	0.041
	including			1	0.051
RT25-060	intersected	425	428.5	3.5	0.056
	including			2	0.074
RT25-062	intersected	456	458.5	2.5	0.03
	intersected	409	413	4	0.09
RT25-064	including			2.5	0.127
	including			2	0.145
RT25-065	intersected	644	647	3	0.027
RT25-072	intersected	563.5	568	4.5	0.027
RT25-073	intersected	560.5	563	2.5	0.027
RT25-075	intersected	525	527.5	2.5	0.077
RT25-078	intersected	513	515.5	2.5	0.032

SP25-012	intersected	742	744	2	0.063
	including			1	0.084
SP25-016	intersected	733.5	736.5	3	0.025

Notes: Drill holes reported here encountered uranium mineralization with >2-ft thickness at or above a cut-off grade of 0.02% eU₃O₈. All grades were calculated from gamma-ray logs measured by Century Geophysics of Tulsa Oklahoma, which is independent of the Company. The geophysical results are based on equivalent uranium (eU₃O₈) of the gamma-ray probes which are calibrated at the Department of Energy's test facility in Casper, Wyoming. Uranium grades cited are calculated from gamma-ray logs, and the cited grades are "equivalent" ("e") grades of U₃O₈ %. eU₃O₈ is a measure of gamma intensity from a decay product of uranium and is not a direct measurement of uranium. No corrections were made for radiometric disequilibrium. Numerous comparisons of eU₃O₈ and chemical assays of PRB core samples indicate that eU₃O₈ is a reasonable indicator of the actual uranium assay. All drill holes are vertical in orientation and the geologic units hosting the uranium mineralization are generally very flat lying, therefore reported thicknesses represent true thicknesses.

Figure 1. Kaycee Project Location, Wyoming

Figure 2. Kaycee Project Key Targets Drilled in 2025

Kaycee Project

The Kaycee Project in Wyoming's Powder River Basin consists of over 42 square miles of mineral rights over a 36-mile mineralized trend hosting more than 110 miles of identified roll fronts (Figure 3). The Project is believed to be the only project in the PRB where all three known historically productive sandstone formations (Wasatch, Fort Union, and Lance) are mineralized and potentially accessible for ISR extraction. The Project represents the largest grass-roots ISR exploration in the United States, with upwards of 400,000 ft of drilling completed since 2023.

PUR anchors one of the strongest exploration portfolios in Wyoming, combining its Cyclone Project in the Great Divide Basin with Kaycee to drive one of the largest ongoing drilling programs in the state and significantly expand its presence in both of the state's major ISR-amenable uranium districts.

Figure 3. PUR's Wyoming exploration portfolio, highlighting the Kaycee Project in the Powder River Basin and the Cyclone Project in the Great Divide Basin. Active exploration is currently underway at both projects.

Qualified Person Statement

The scientific and technical information contained in this news release was reviewed and approved by J.J. Brown, P.G., SME-RM, a consultant of PUR, who is a "Qualified Person" as defined by National Instrument 43-101 - *Standards of Disclosure for Mineral Projects*. Ms. Brown has verified the data disclosed in this news release, including sampling, analytical, and test data underlying the information contained herein.

The drilling results cited in this news release were derived from conventional mud rotary drill holes and continuously recorded geophysical responses (gamma-ray, spontaneous-potential, and single point resistivity) from a borehole geophysical probe. The mineralized zones are flat lying and the individual drill holes are vertical in orientation, and the thicknesses cited in this release are considered to be true thicknesses. Grades of mineralization reported were calculated from the gamma-ray logs following a procedure that was first developed in the early 1960s and is standard practice in the uranium industry. The borehole geophysical logging was carried out by Century Geophysics of Tulsa, Oklahoma, a highly experienced and skilled geophysical contractor with a well-established history of providing reliable and accurate data.

Other information regarding the Company's Kaycee Project, including with respect to the Quality Assurance and Quality Control measures applied during the work program can be referenced from the "Technical Report for NI 43-101 Kaycee Uranium Project, Johnson County, Wyoming USA," dated September 21, 2025,

which is available under the Company's profile on SEDAR +, at www.sedarplus.ca.

About Premier American Uranium Inc.

Premier American Uranium is focused on consolidating, exploring, and developing uranium projects across the United States to strengthen domestic energy security and advance the transition to clean energy. The Company's extensive land position spans five of the nation's top uranium districts, with active work programs underway in New Mexico's Grants Mineral Belt and Wyoming's Great Divide and Powder River Basins.

Backed by strategic partners including Sachem Cove Partners, IsoEnergy Ltd., [Mega Uranium Ltd.](#), and other leading institutional investors, PUR is advancing a portfolio supported by defined resources and high-priority exploration and development targets. Led by a distinguished team with deep expertise in uranium exploration, development, permitting, operations, and uranium-focused M&A, the Company is well positioned as a key player in advancing the U.S. uranium sector.

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Cautionary Statement Regarding Forward-Looking Information

This news release contains "forward-looking information" within the meaning of applicable Canadian securities laws. Forward-looking information includes, but is not limited to, statements with respect to, planned exploration activities for 2026, the anticipated results thereof and the anticipated timing for reporting of such results; future prospects for exploration; the potential for mineral resource identification at the Project; expectations regarding the transition to clean energy in the US; and other activities, events or developments that are expected, anticipated or may occur in the future. Generally, but not always, forward-looking information and statements can be identified by the use of words such as "plans", "expects", "is expected", "budget", "scheduled", "estimates", "forecasts", "intends", "anticipates", or "believes" or the negative connotation thereof or variations of such words and phrases or statements that certain actions, events or results "may", "could", "would", "might" or "will be taken", "occur" or "be achieved" or the negative connotation thereof.

Forward-looking information and statements are based on our current expectations, beliefs, assumptions, estimates and forecasts about PUR's business and the industry and markets in which it operates. Such forward-information and statements are based on numerous assumptions, including among others, that the results of planned exploration activities are as anticipated, the price of uranium, the anticipated cost of planned exploration activities, the completion, timing and results of planned exploration activities being consistent with expectations, the anticipated mineralization being consistent with expectations, that general business and economic conditions will not change in a material adverse manner, that financing will be available if and when needed and on reasonable terms, that third party contractors, equipment and supplies and governmental and other approvals required to conduct the Company's planned exploration activities will be available on reasonable terms and in a timely manner. Although the assumptions made by PUR in providing forward-looking information or making forward-looking statements are considered reasonable by management at the time, there can be no assurance that such assumptions will prove to be accurate.

Forward-looking information and statements also involve known and unknown risks and uncertainties and other factors, which may cause actual results, performances and achievements of Premier American

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Although PUR has attempted to identify important factors that could cause actual actions, events or results to differ materially from those contained in the forward-looking information or implied by forward-looking information, there may be other factors that cause results not to be as anticipated, estimated or intended. There can be no assurance that forward-looking information and statements will prove to be accurate, as actual results and future events could differ materially from those anticipated, estimated or intended. Accordingly, readers should not place undue reliance on forward-looking statements or information. PUR undertakes no obligation to update or reissue forward-looking information as a result of new information or events except as required by applicable securities laws.

Photos accompanying this announcement are available at

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