

January 2012



POWERTECH

URANIUM CORP.

Advancing Towards Uranium Production



Safe Harbour Statement

Certain statements in this presentation are forward-looking statements, which reflect the expectations of management regarding the Company's future operations. Forward-looking statements consist of statements that are not purely historical, including any statements regarding beliefs, plans, expectations or intentions regarding the future. Such statements are subject to risks and uncertainties that may cause actual results, performance or developments to differ materially from those contained in the statements. No assurance can be given that any of the events anticipated by the forward-looking statements will occur or, if they do occur, what benefits the Company will obtain from them. These forward-looking statements reflect management's current views and are based on certain expectations, estimates and assumptions which may prove to be incorrect. A number of risks and uncertainties could cause our actual results to differ materially from those expressed or implied by the forward-looking statements, including: (1) a downturn in general economic conditions in North America and internationally, (2) the inherent uncertainties and speculative nature associated with uranium exploration, (3) a decreased demand for uranium, (4) any number of events or causes which may delay or cease exploration and development of the Company's property interests, such as environmental liabilities, weather, mechanical failures, safety concerns and labour problems; (5) the risk that the Company does not execute its business plan, (6) inability to retain key employees, (7) inability to finance operations and growth, (8) inability to obtain all necessary environmental and regulatory approvals, (9) an increase in the number of competitors with larger resources, and (10) other factors beyond the Company's control. These forward-looking statements are made as of the date of this presentation and the Company assumes no obligation to update these forward-looking statements, or to update the reasons why actual results differed from those projected in the forward-looking statements. Additional information about these and other assumptions, risks and uncertainties are set out in the "Risks and Uncertainties" section in the Company's MD&A filed with Canadian security regulators.



Investment Highlights

Emerging, “Near-Term” uranium producer. Projected construction – 2013. Focused on U.S. market.

- Revitalized capital structure
- Exploring & developing >60,000 acres in the Northern Plains of the United States
- World-wide uranium expertise (200+ yrs)
- Permitting-stage projects
 - Dewey-Burdock permits and license applications filed
 - Centennial applications ready to be completed and filed
- Large uranium resource base:
 - 16.2M lbs Indicated
 - 6.6M lbs Inferred
- Further historical resources within both project areas for future development (non N.I. 43-101 compliant)
- Advanced exploration properties for future development



Share, Capital and Cash Position

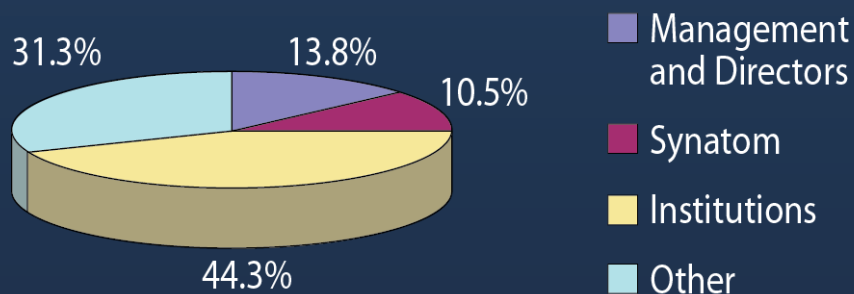
(As of Sep 30, 2011)

Shares Outstanding	103.3M
Stock Options and Warrants ¹	31.4M
Deferred Payment Shares ²	12.5M
Total	147.2M
Market Cap (Jan 11, 2012)	C\$10.8M
Cash (Sep 30, 2011)	C\$5.0M
Deferred Payment to Synatom ²	C\$0M

¹ Includes 7.5M Options and 18M Warrants (incl. Broker Warrants)

² Assumes deferred \$7.5M payment is made in Powertech shares, at the minimum conversion price of \$0.60

Approximate Share Ownership





Production/Cash Flow Pipeline

- **Goal:** Bring at least one new project on stream every 5-7 years
- **Long-term Objective:** Sustainable production @ 2-4 million lbs/year

Near-term Production
Dewey-Burdock

Advanced Exploration
Aladdin
Dewey-Terrace

Exploration Targets
Colony
Powder River Basin

Completing permitting process to production



Confirming/expanding historical showings



Targeting potential roll-front deposits





Officers & Directors

Richard Clement Jr., P.G., MSc., – *President, CEO & Director*

- >40 years' experience in uranium corporate management
- Includes uranium exploration, development, production in U.S. and Australia

Thomas Doyle – *Vice President Finance, CFO & Director*

- >25 years' experience financing international and domestic resource projects

Greg Burnett, MBA, BAsC. – *Vice President Administration & Director*

- >20 years' experience in structuring and financing public market transactions and public company management

Wallace Mays, P.E., MSc. Chemical Engineering – *Director*

- >40 years' experience in uranium industry, focusing on ISR technology
- Designed, built, operated first ISR mine in U.S.
- Developed Highlands ISR mine; Clay-West ISR mine

Douglas Eacrett, CA, LL.B. – *Independent Director*

- >20 years' experience in corporate securities law, 30 years' experience as a Chartered Acct.

Malcolm Clay, BA, FCA – *Independent Director*

- >25 years' experience as a Partner of KPMG Chartered Accountants, former non-executive Chairman of KPMG Canada

John Dustan, MBA – *Independent Director*

- more than 20 years' experience in corporate oversight and governance as an advisor and director of numerous public and private sector groups.



Technical Team

Jim Bonner, P.G., BSc. – *Vice President Exploration*

- >35 years' experience in uranium industry
- Exploration Manager for Union Pacific Railroad's Rocky Mountain Energy

Richard Blubaugh, MAPA, BSc., Biology – *V.P. Health, Safety & Environmental Resources*

- >25 years' experience project and program management
- In-depth experience in permitting and environmental management, working with state & federal agencies

Frank Lichnovsky – P.G., BSc., *Chief Geologist*

- >40 years' experience in uranium exploration, development & production
- Worked in both U.S. and Australia

John Mays, P.E., BSc., Chemical Engineering – *Vice President Engineering*

- >20 years experience in design, construction, operation of ISR mines worldwide
- Former Chief Insitu Mining Engineer, Urasia Energy Ltd. Former Superintendent of Wellfield Construction, Power Resources, Smith Ranch/ Highland Uranium Project



Project Management Teams

Mark Hollenbeck, P.E., BSc. Chemical Engineering – *Project Manager, Dewey Burdock*

- >15 years' experience in the energy producing industries
- Elected to South Dakota House of Representatives from 1989 – 1994, and mayor of Edgemont from 2001 - 2006

James Munro, P.E., Ph.D. Chemical Engineering, *Senior Process Design Engineer*

- Professor of Chemical Engineering for 28 years & Department Chairman of Chemical Engineering for 10 years at South Dakota School of Mines & Technology



Advisory Board

Dr. Charles Groat, PhD. Geology – *Technical Advisor*

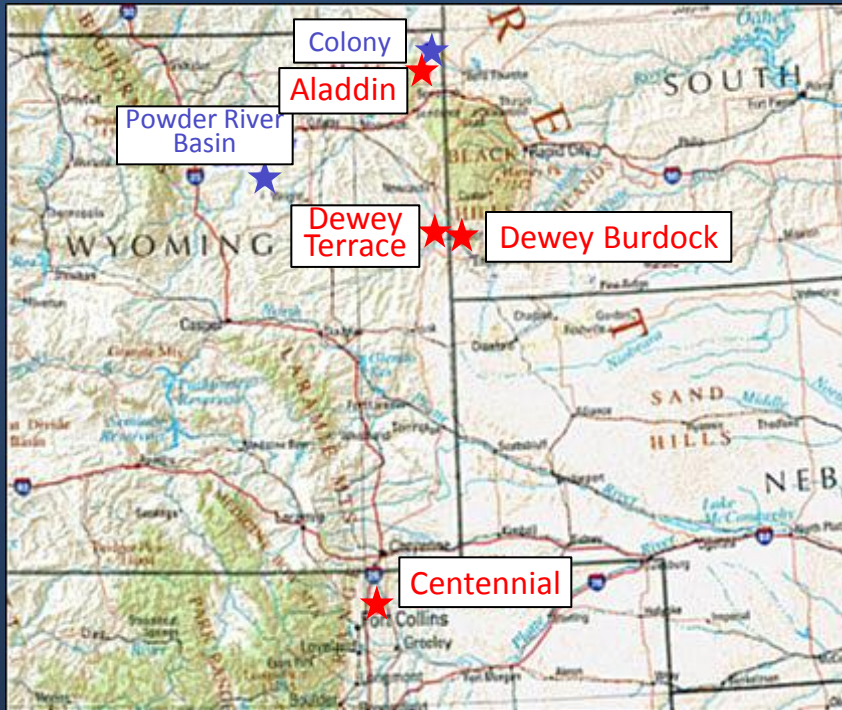
- Past Director of the U.S. Geological Survey
- New Director of the Center for International Energy & Environmental Policy at the University of Texas, Austin
- Jackson Chair in Energy and Mineral Resources at the Jackson School of Geosciences

Anthony J. Thompson, Esq. – *Technical Advisor*

- Primary Outside Counsel to the American Mining Congress, now the National Mining Association for Radioactive Waste Issues
- Appointed by President Bush in 1992 to the National Risk Assessment and Management Commission
- Practice includes Legislation and Regulatory Counseling Involving Compliance with Environmental and Natural Resources Law and Regulations, Risk Assessment, Management, and Occupational Health and Safety



Summary of Projects



Dewey Burdock

- 6.7M lbs U_3O_8 Indicated
- 4.5M lbs U_3O_8 Inferred

Centennial

- 9.5M lbs U_3O_8 Indicated
- 2.1M lbs U_3O_8 Inferred

Project Acreage

- Dewey-Burdock 17,912
- Centennial 7,098
- Dewey Terrace 13,098
- Aladdin 15,264

Prospect Acreage

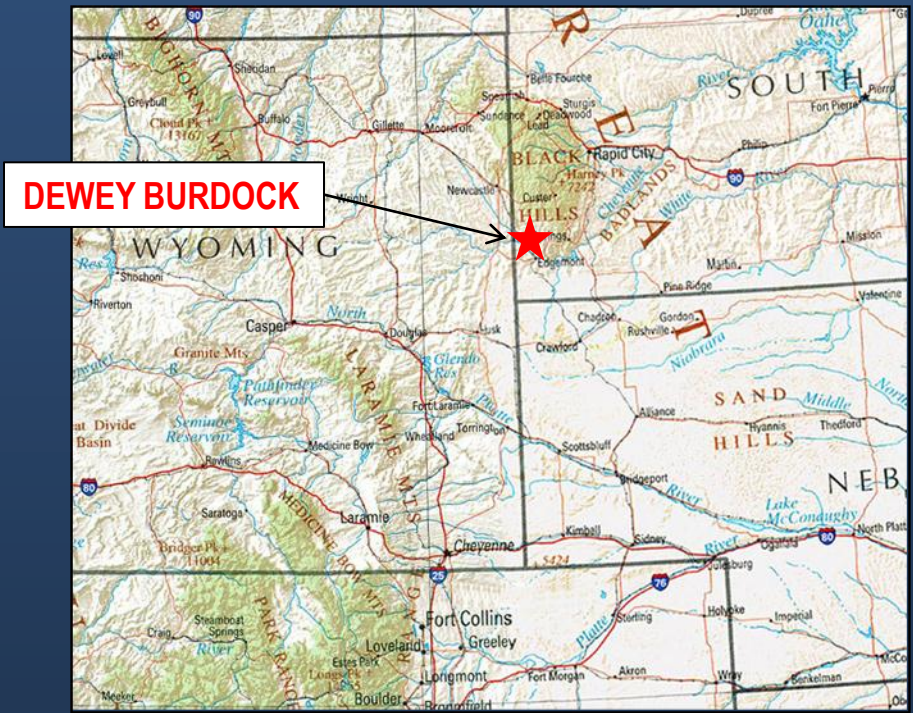
- Colony 1,341
- Powder River Basin 6,000

Total Acreage

60,713



Dewey Burdock Project, South Dakota

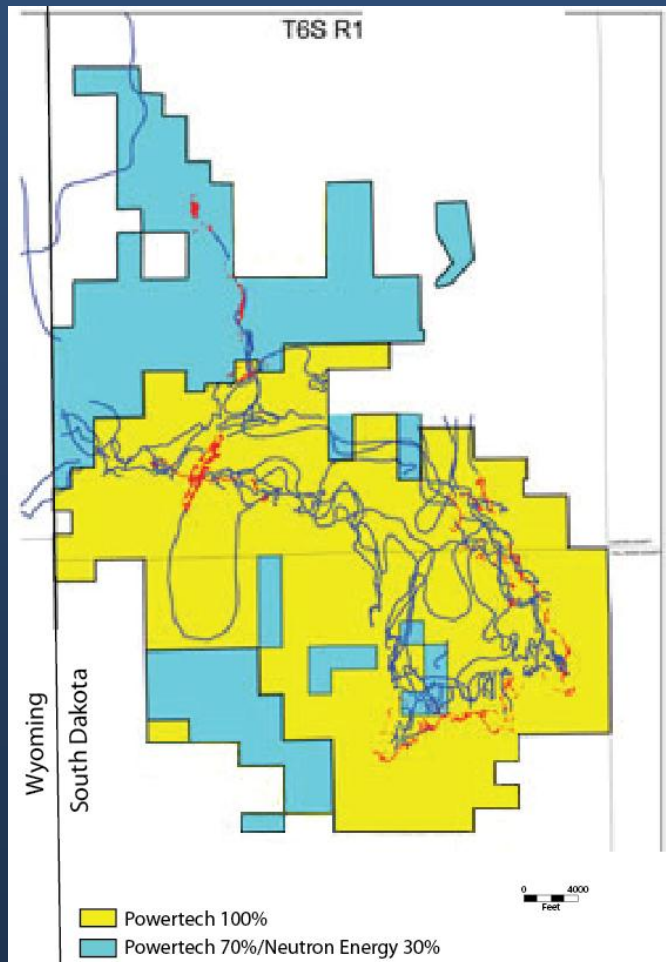


- Edgemont uranium district discovered in the 1950's
- Company controls U.S. claims, private minerals and surface covering 18,000 acres
- Previous operator Tennessee Valley Authority (TVA) drilled more than 4,000 drill holes
- Powertech acquired data through private purchase
- 88 miles of measured ore trends—only 18 miles drilled to date
- Predecessor company estimated potential for 25 million pounds





Dewey-Burdock Project, South Dakota



Location of main oxidation fronts,
areas of dense drilling

N.I. 43-101 Resource Estimate (March 2010):

- 6.7M lbs Indicated (0.214% U_3O_8)
- 4.5M lbs Inferred (0.179% U_3O_8)

Preliminary Economic Assessment (July 2010):

- Annual production of ~1,000,000 lbs U_3O_8
- 9 year mine life
- US\$34.90/lb U_3O_8 operating cost
- US\$65M initial capex
- Pre-tax NPV (8%): US\$55.4M*
- Pre-tax IRR: 27%*

Recent Development:

- January 2011: County Commission approved a reduction in project property tax to 0% for the first 5 years of production

*Using US\$65/lb U_3O_8



Dewey-Burdock Permitting Process

The award of the following key project permits will be the focus of Powertech's activities over the next 12 months

Permit, License or Approval	Agency	Dewey-Burdock
ISR Large-Scale Mine Permit	DENR	TBS – 1stQ 2013
Source and By-Product Materials License	NRC	Submitted – 8/2009 Deemed Complete – 10/2009
UIC Class III Permit – DENR	DENR	Revised Submission – 2/2010 Pending Legislation May Eliminate Permit Requirement
Plan of Operations	BLM	Submitted – 10/2009 Modified – 1/2011; Cooperative Agency with NRC for NEPA Process
UIC Class V Permit	EPA/DENR	Submitted – 3/2010 Deemed Complete – 2/2009
UIC Class III Permit	EPA	Submitted – 12/2008 Deemed Complete – 2/2009
Groundwater Discharge Permit	DENR	TBS – 1stQ 2013
Water Rights Permit	EPA/DENR	TBS – 1stQ 2013

Key:

DENR – South Dakota Department of Environmental and Natural Resources
 NRC – Nuclear Regulatory Commission
 EPA – Environmental Protection Agency

BLM – Bureau of Land Management
 TBS – To be submitted
 NEPA – National Environmental Policy Act





Centennial Project, Colorado

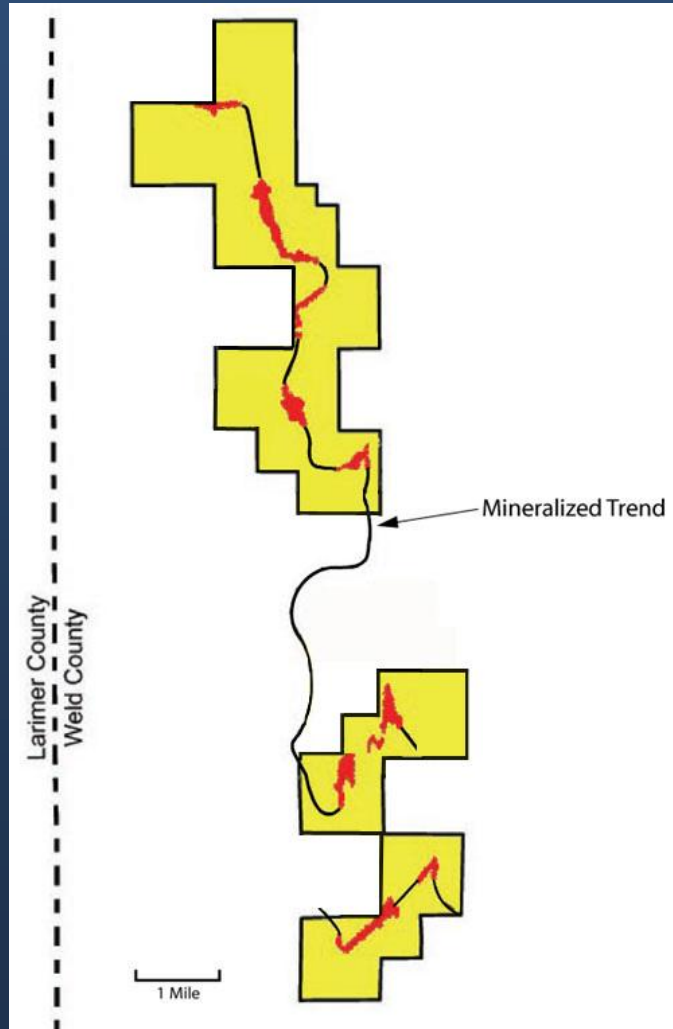


- Discovered in 1970s.
- Powertech purchased 5,760 acres of uranium rights and historical data from Anadarko Petroleum.
- Total Project holdings of 7,300 acres of uranium rights.
- Over 3,500 drill holes with >1,000,000 ft of drilling.





Centennial Project, Colorado



N.I. 43-101 Resource Estimate (March 2010):

- 9.5M lbs Indicated (0.09% U_3O_8)
- 2.1M lbs Inferred (0.09% U_3O_8)

Preliminary Economic Assessment (August 2010)^{1, 2}:

- Annual production of 700,000 lbs U_3O_8
- 14 year mine life
- US\$34.95/lb U_3O_8 operating cost
- US\$71.1M initial capex
- Pre-tax NPV (8%): US\$51.8M
- Pre-tax IRR: 18%

1 Subject to re-evaluation based on termination of option covering 1.1M lbs of uranium resources.

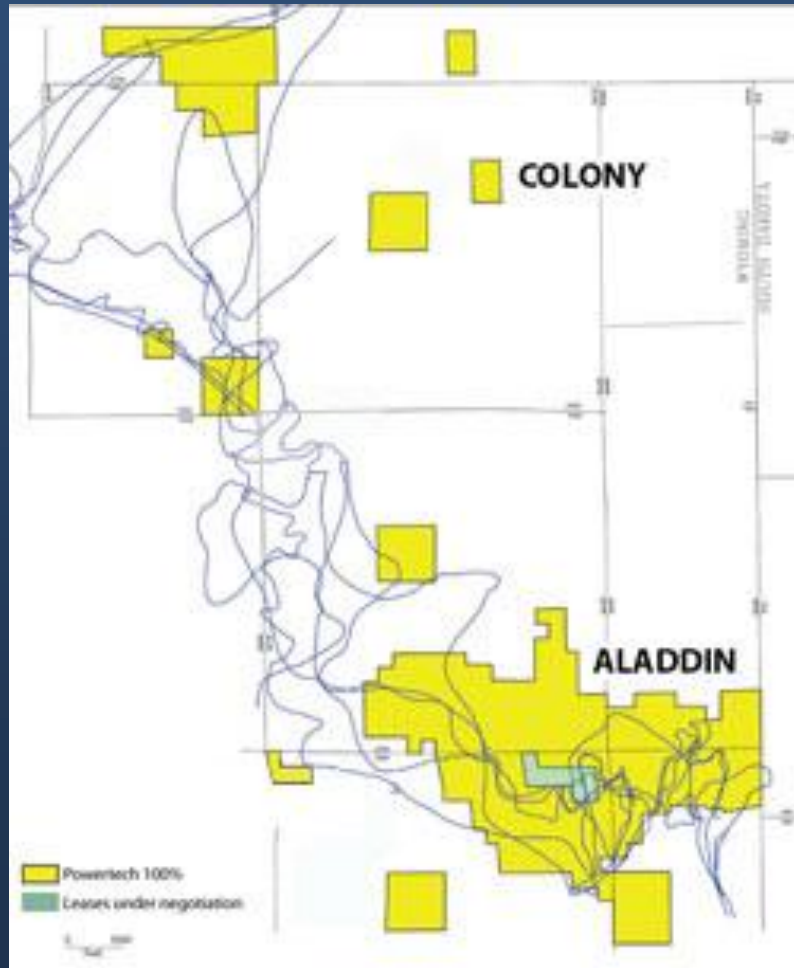
2 Using US\$65/lb U_3O_8

Permitting Status:

- All baseline studies complete, permit applications ready to be completed and filed



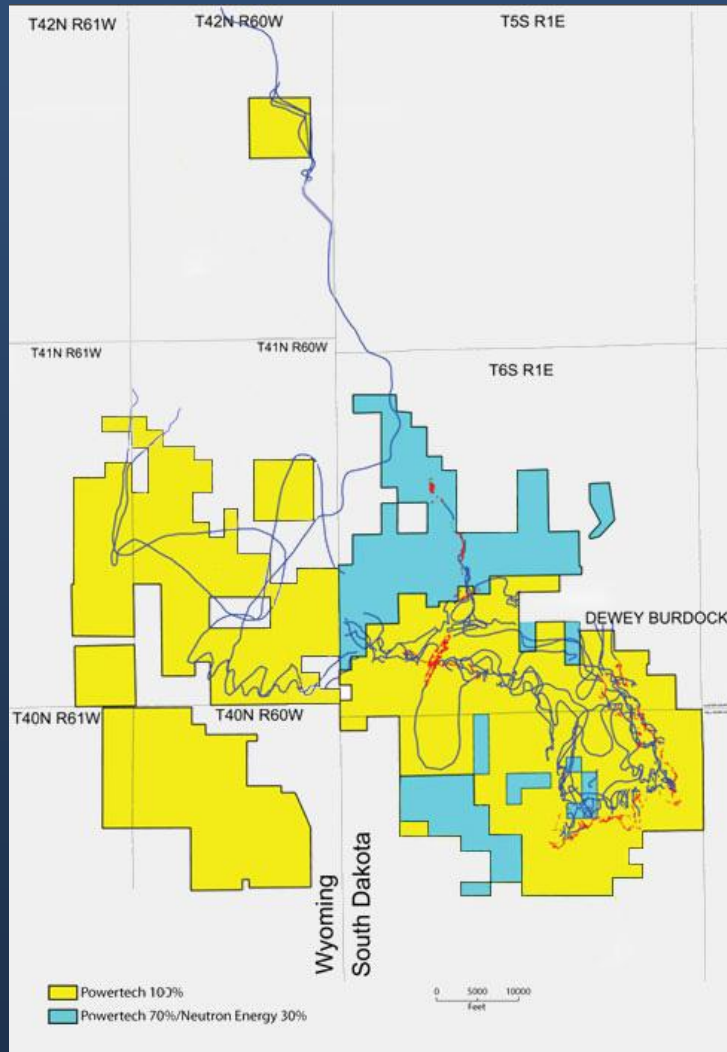
Aladdin Project, Wyoming



- Powertech acquired 17,850 acres of federal mining claims, state mining leases and privately-owned leases along historic mineralized trends.
- Same host unit as Dewey Burdock.
- Acquired historical Teton Exploration data: 589 drill holes with 222,000 feet logged, record sheets for over 1,800 holes.
- 60 drill hole exploration program completed, confirms historical data.
- Data on three key historical drill holes yields 10 feet of 0.47% U_3O_8 , 6 feet of 0.695% of U_3O_8 and 6 feet of 0.504% of U_3O_8 .



Dewey Terrace Project, Wyoming



- Powertech acquired 16,440 acres of federal mining claims and state mining leases along historic mineralized trends.
- Trends defined by TVA & Teton Exploration as extensions of Dewey Burdock.
- Acquired Teton exploration data – 298 drill holes, 208,500 feet logged, drill hole record sheets for over 494 holes .
- Powertech completed 20-hole confirmation program. Drilling and coring confirms historical resources.

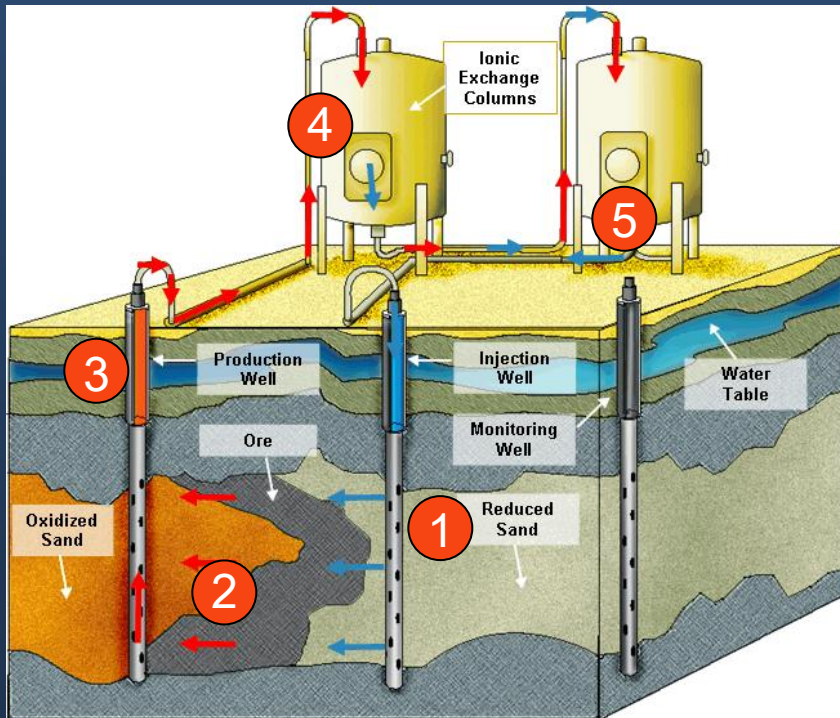


In-Situ Recovery Mining

Cost efficient: lower capital costs and less equipment

- Lower operating costs with fewer personnel: 75 workers per 1 million lbs. of uranium produced, conventional mining *requires more than 500 workers per 1 million lbs*

Minimal environmental impact



- 1 Oxygenated groundwater injected into ore-bearing sandstone.
- 2 Fluids dissolve uranium as they pass through the ore zone.
- 3 Pregnant solutions brought to surface by production wells.
- 4 Uranium is extracted in Ion exchange columns.
- 5 Stripped fluids re-oxygenated and re-injected into the wellfield.

Recycling fluids through the wellfield is an efficient, non-consumptive use of groundwater. Up to 90% of in-place uranium is recovered.



Uranium & Nuclear Energy in the USA

The future of U.S. uranium mining

- Approximately 90% of U.S. uranium production in 2006 came from ISR mines – *U.S. Energy Administration Information*
- Nuclear power accounted for about 20% of the total net electricity generated in the United States in 2008 - *U.S. Energy Information Administration*
- Owners and operators of U.S. civilian nuclear power reactors purchased the equivalent of 53 million pounds of uranium in 2008. Only 14% of delivered uranium came from the United States - *U.S. Energy Information Administration*
- ISR mining accounted for approximately 36% of global uranium production in 2009, up from 21% in 2004 – *World Nuclear Association*
- Powertech's Dewey Burdock project is one of the highest grade ISR projects in the development pipeline in the U.S.



Why Own Powertech?

1) Project Pipeline

- 2 Advanced Stage Permitting Projects
- Uranium production targeted for 2014
- Additional advanced-stage exploration projects

2) 200 Years Experience

- Uranium Finders
- Permitting
- Design, Construction & Operation

3) Focused Effort

- ISR properties
- U.S. concentration
- Highest demand for uranium

4) Undervalued relative to U.S. ISR peer group



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