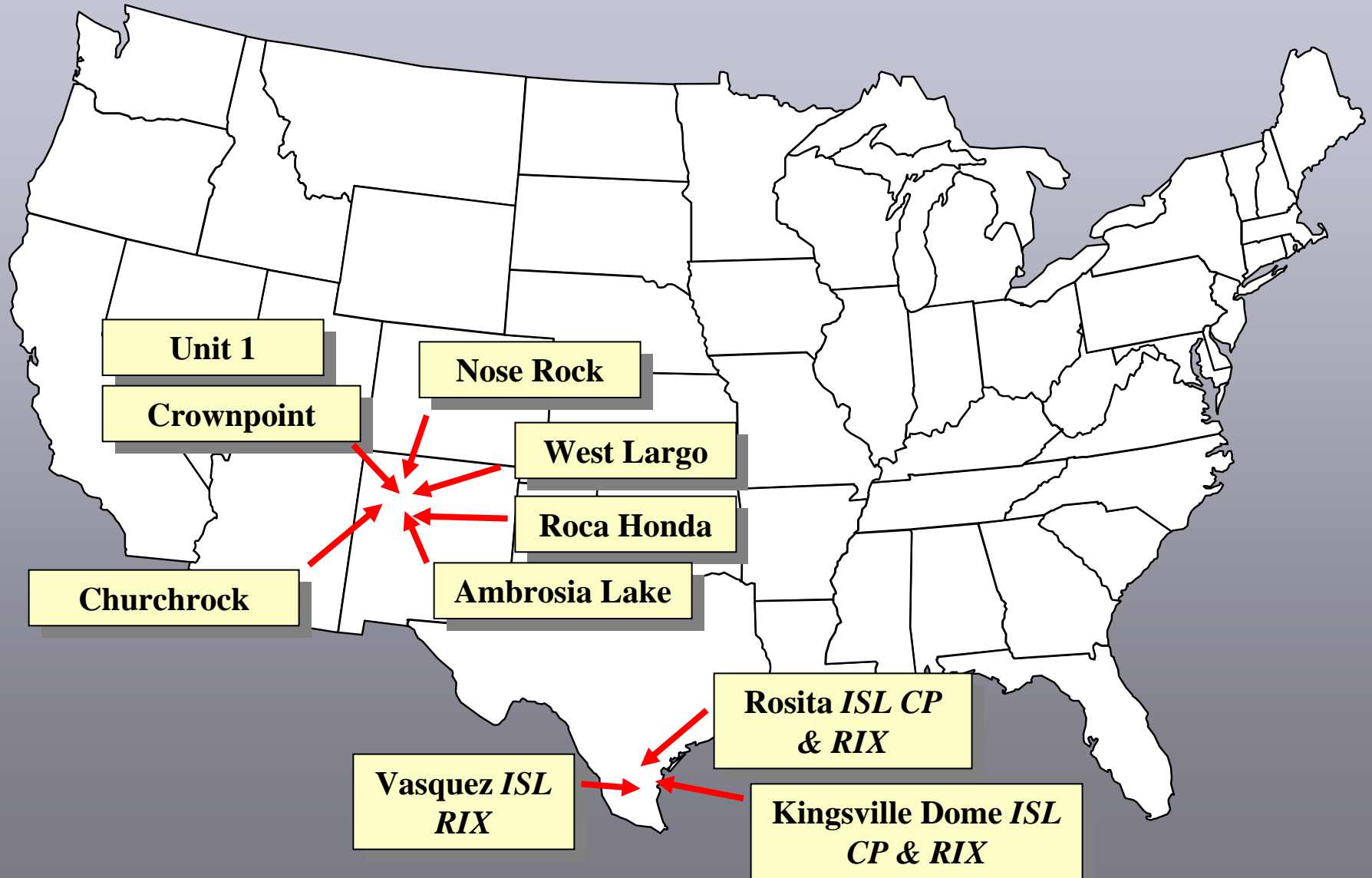




***Uranium Resources, Inc's
Projects in the Grants Mineral Belt
New Mexico***

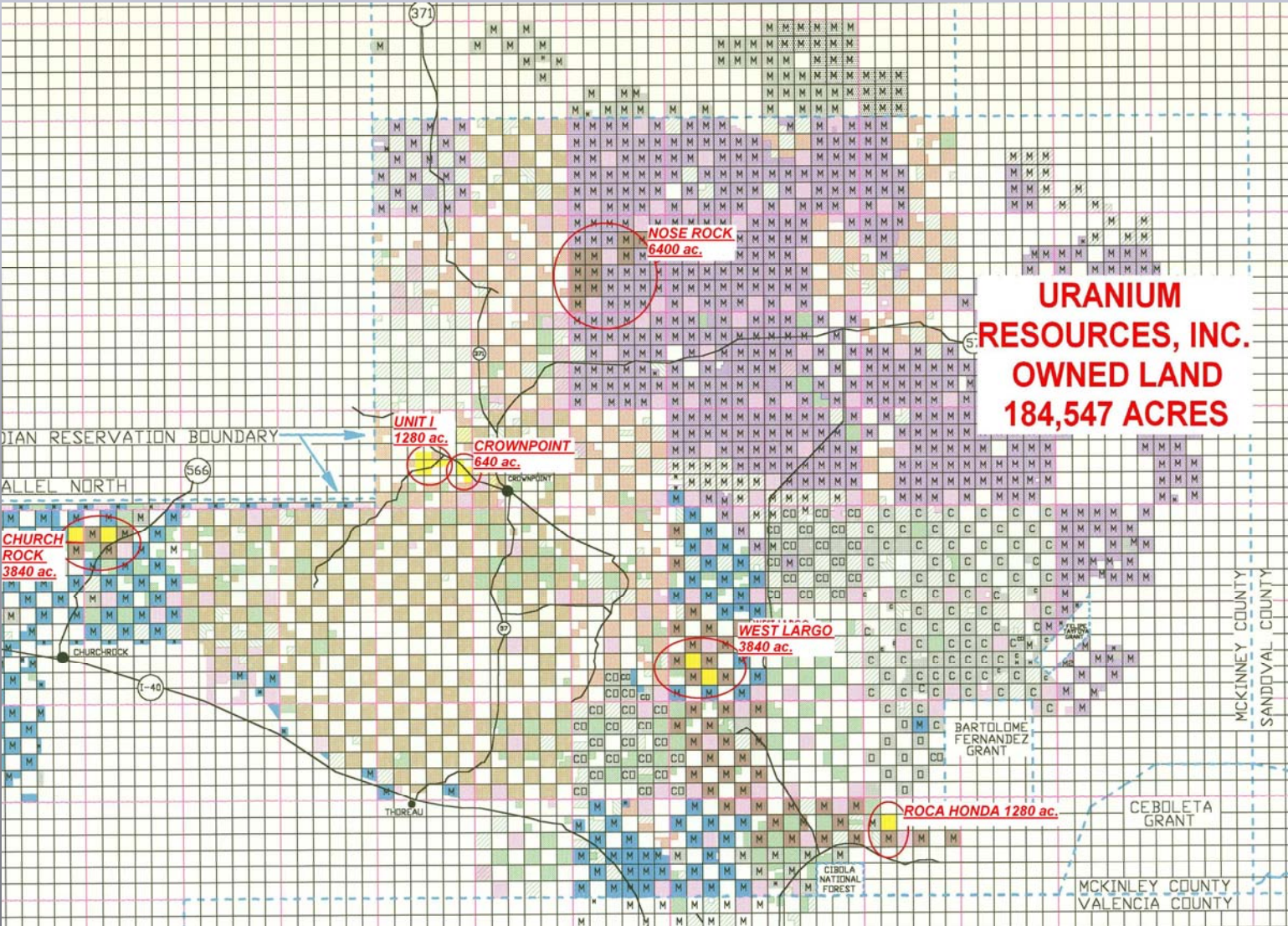
**NRC/NMA Workshop Sidebar
May 14 2007**

OPERATIONS, PROJECTS, PROPERTIES



Uranium Resources

THE NEW MEXICO CHECKERBOARD



Uranium Resources

CONVENTIONAL IX PROCESS

- ☉ **Water from multiple mining areas are mixed, large process plant**
- ☉ **Larger deposits needed**
- ☉ **Longer pipeline runs may mean higher pressures - higher electrical costs**



Uranium Resources

REMOTE ION EXCHANGE (RIX)



- ❁ Individual RIX units have a small footprint, are semi portable, are of standard design and are low cost.
- ❁ Minimal environmental impact = faster licensing.
- ❁ Low cost = exploitation of small deposits.

- ❁ Each wellfield is mined with its own water.
- ❁ Shorter pipeline runs equate lower electrical consumption.
- ❁ Instead of pumping water to the mother plant, the resin is loaded with uranium in the field and trucked.

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SAME CENTRAL PLANT PROCESSING

Resin is eluted via brine & is loaded back into the trailer for the trip back to mine.



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ISR WELLFIELD



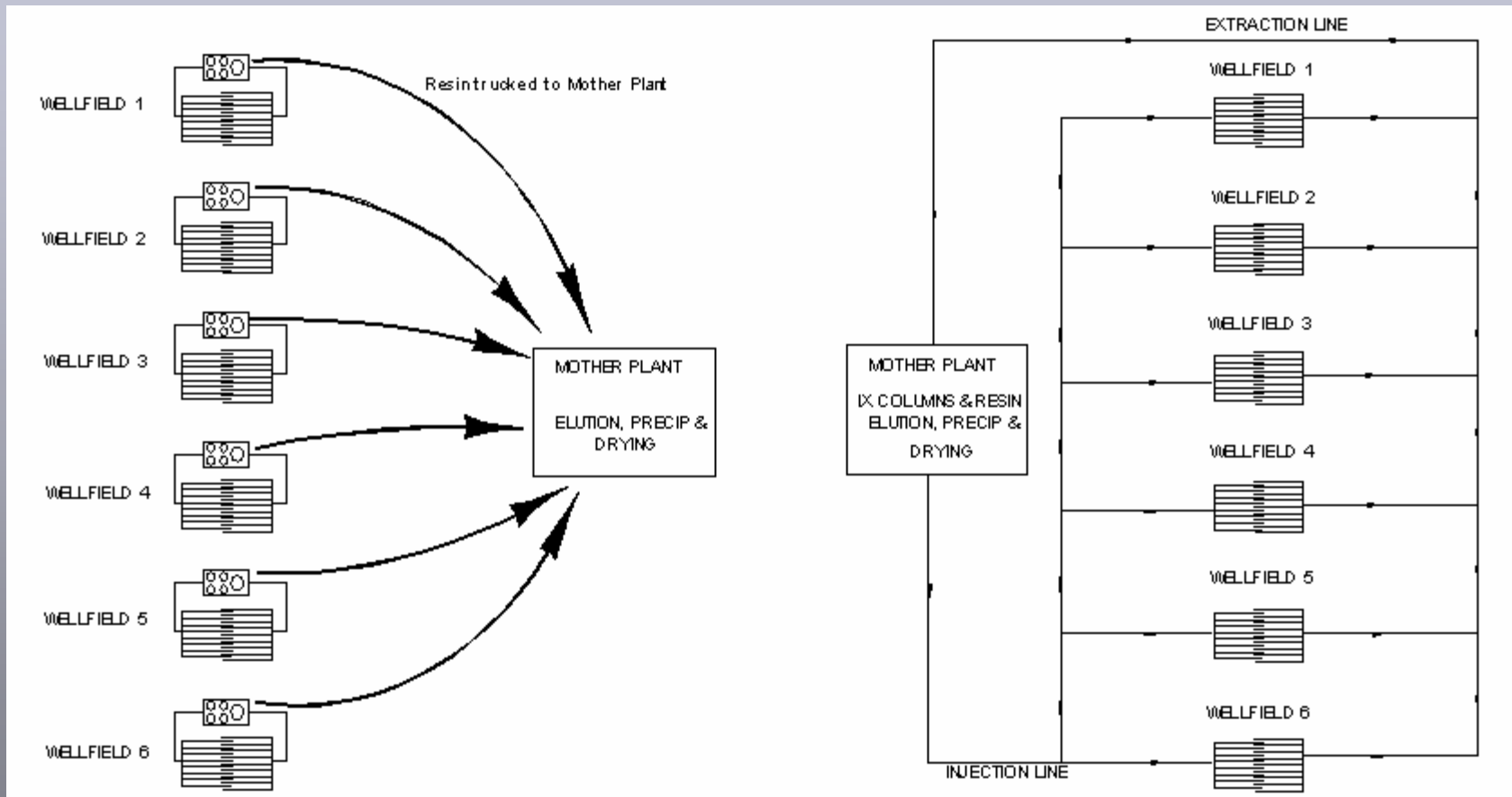
Uranium Resources

ION EXCHANGE (IX)



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CONVENTIONAL VS. RIX



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THE RIX

- ☢ Pregnant solutions from the wellfield are loaded onto ion exchange resin in columns at the mine.
- ☢ When fully loaded with uranium, the column is taken off line and the loaded resin is transferred from the column to a resin trailer.



- ☢ Clean resin that was brought from the mother plant is loaded into the column just emptied and the column is put back on line.
- ☢ The loaded resin is drained and hauled to the mother plant for stripping.

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RESIN TRANSFER FROM RIX



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RESIN PREP FROM RIX

Resin that is delivered to the central plant also contains formation sand and scale.



The resin is physically clean by washing.

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ELUTION/PRECIPIATION





or





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FILTRATION



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DRYING



Product is dried in zero emissions food-quality vacuum dryer.

Yields uranyl trioxide (yellowcake, U_3O_8).



PACKAGING



Yellowcake is packaged in 55 gallon drums and shipped to converter in exclusive use carriers.

Uranium Resources