



Grande Ronde Aquifer Test

April 11, 2006

Preliminary Results

Presented by
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May 18, 2006

Overview

- Purpose of test
- Aquifer test details
- Timeline
- Responding wells
- Preliminary results

Acknowledgements

- Thanks to Pullman, Moscow, U of I, WSU, and Palouse for cooperating and/or supplying their data
- Thanks to private well owners

Purpose of the Test

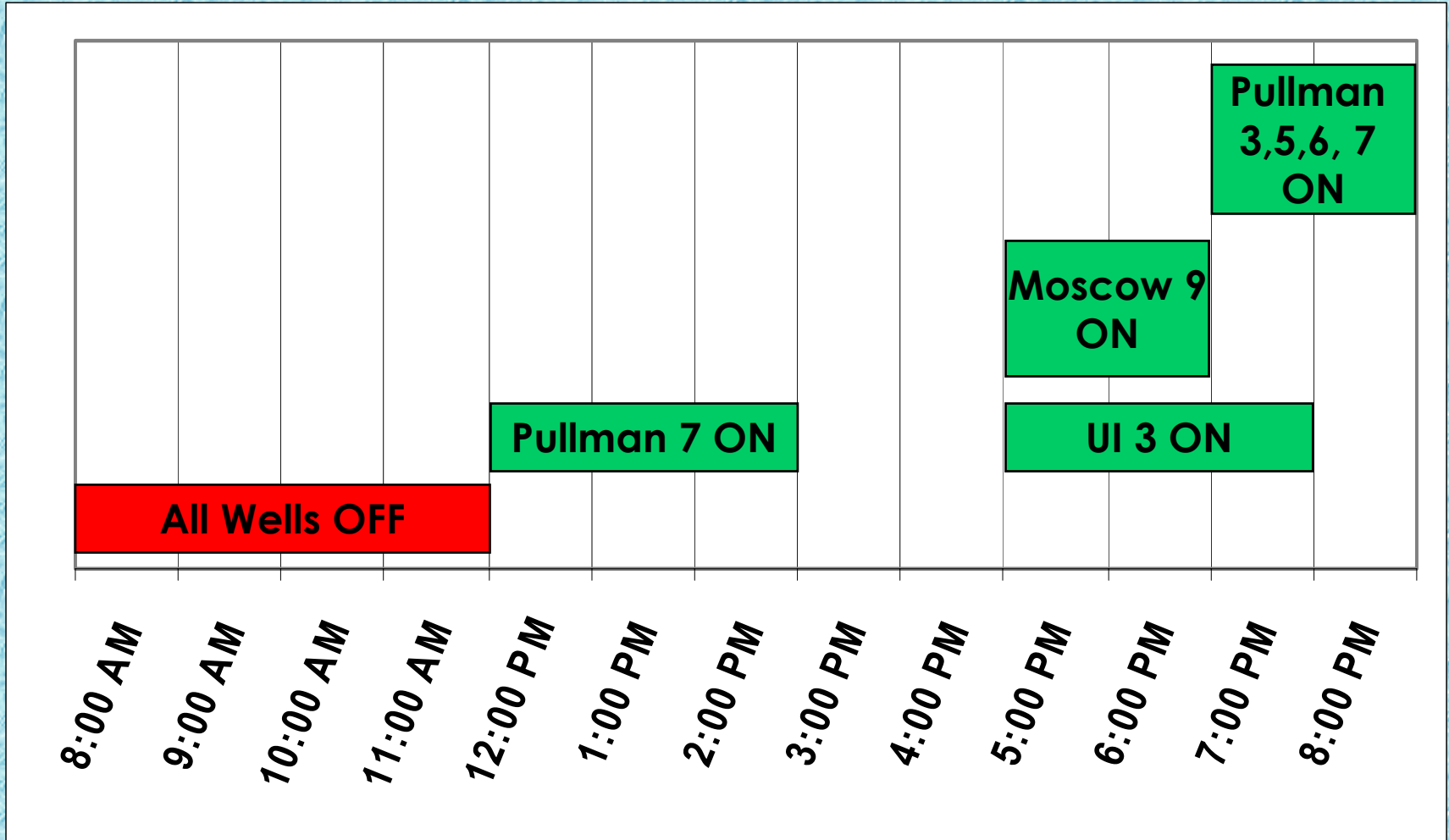
- Evaluate hydraulic connections between Pullman & WSU wells and Moscow & UI wells

Aquifer Test Details



- Pullman well No. 7 pumped at approximately 1780 gpm for 3 hours on April 11, 2006
- UI 3 & Moscow 9 turned on 5 hours into the test
- Monitored city, university, and private wells

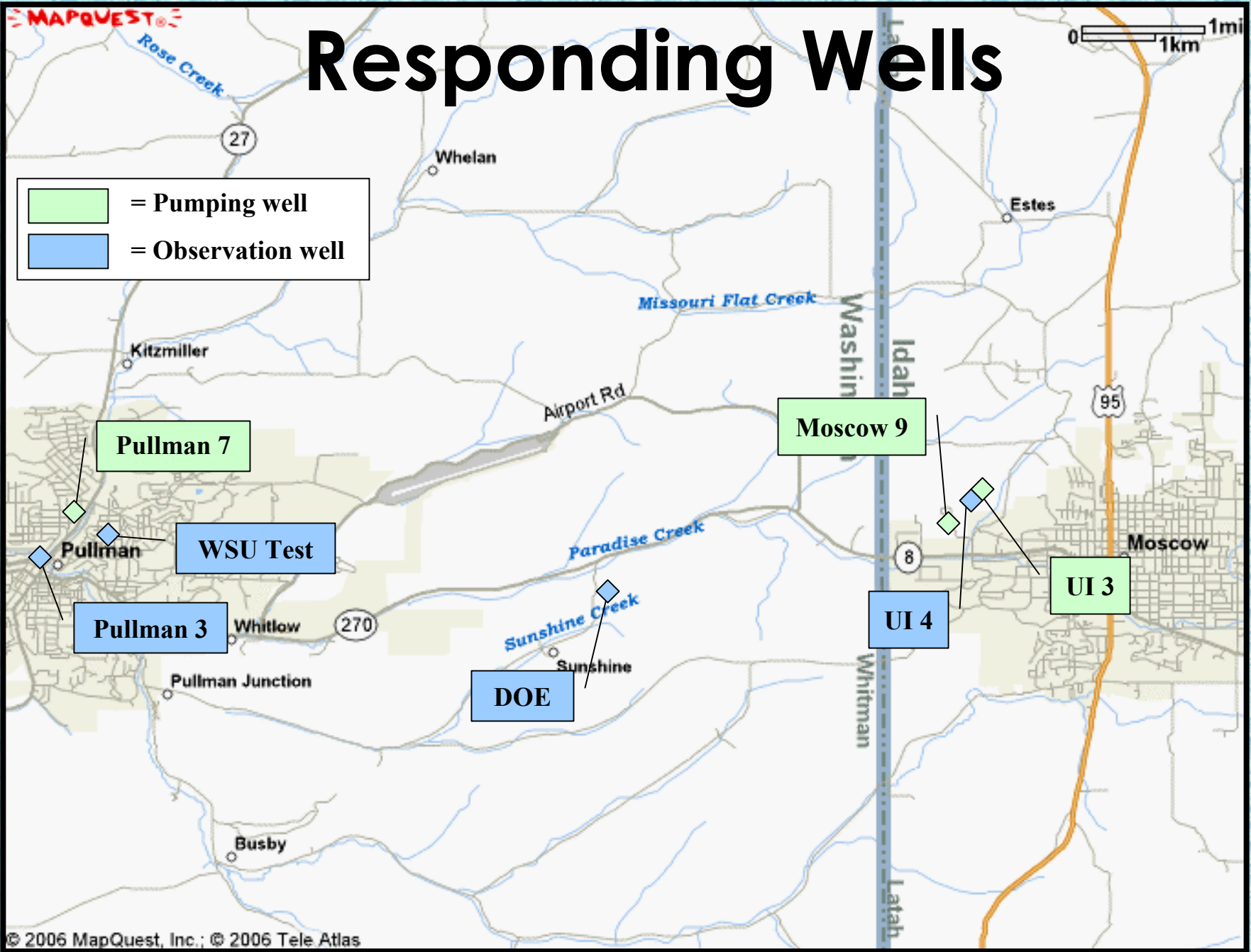
Aquifer Test Timeline

April 11, 2006



Responding Wells

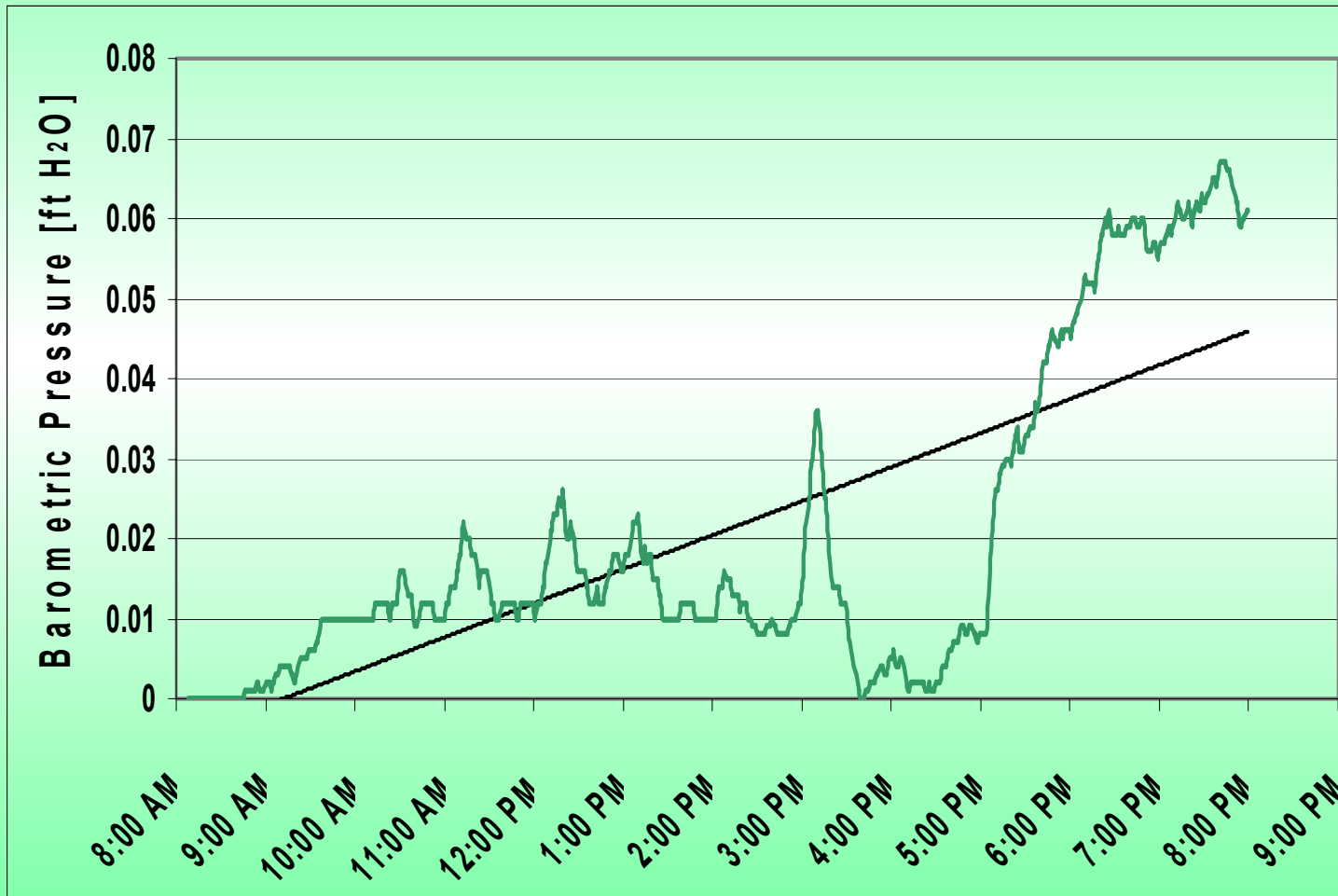
 = Pumping well
 = Observation well





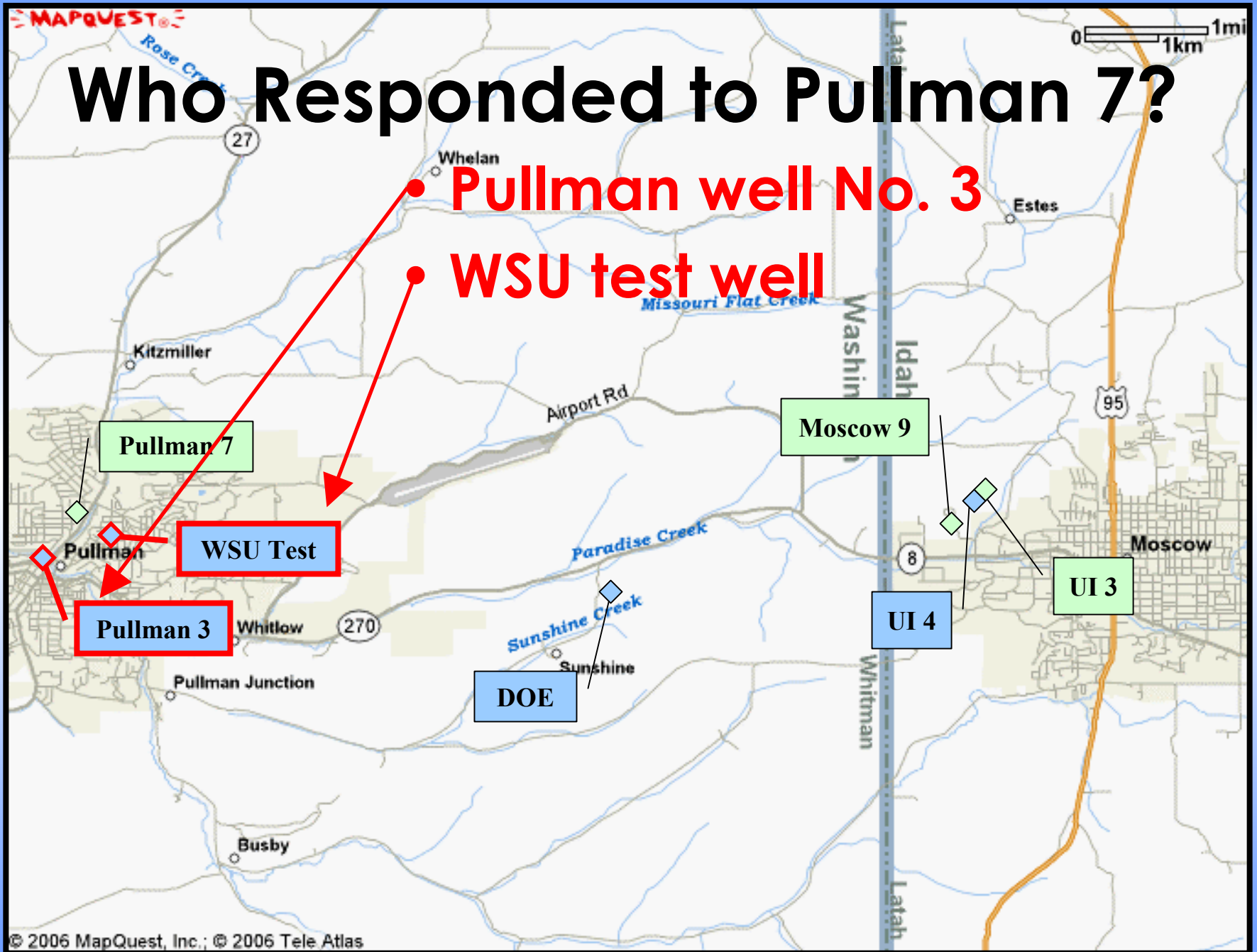
Barometric Effects

April 11, 2006

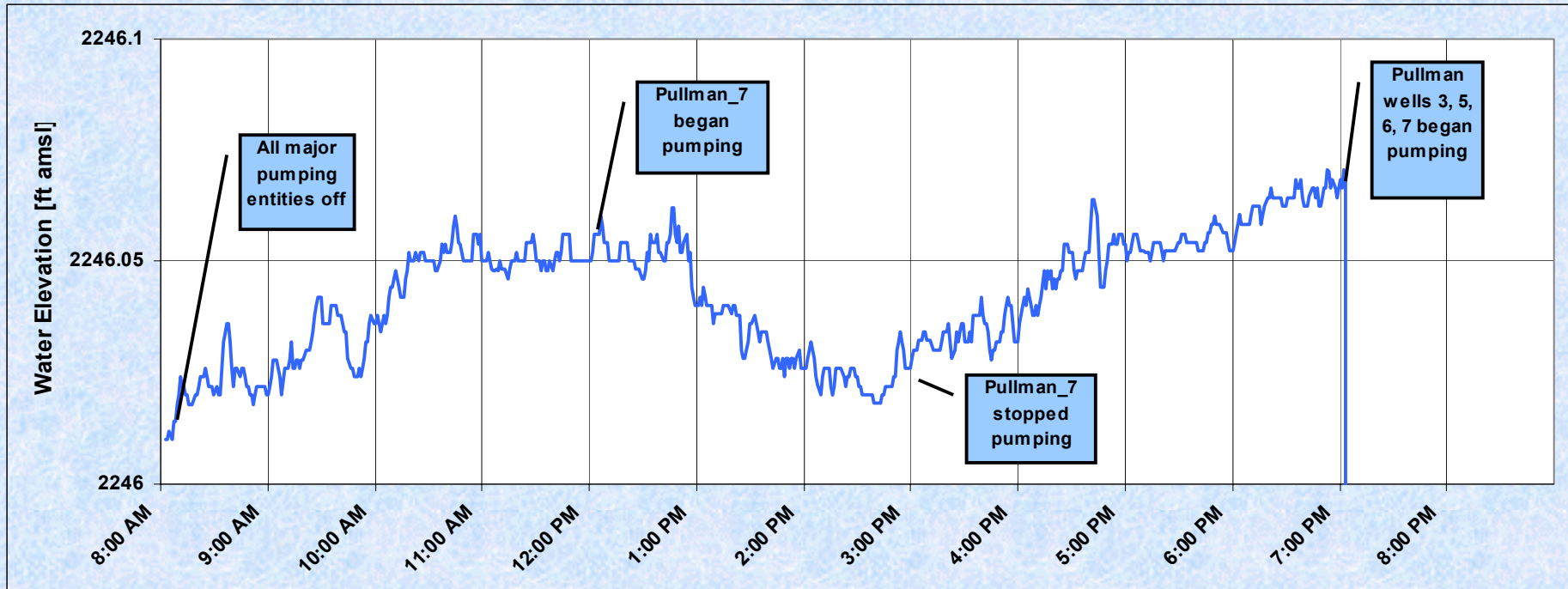


Who Responded to Pullman 7?

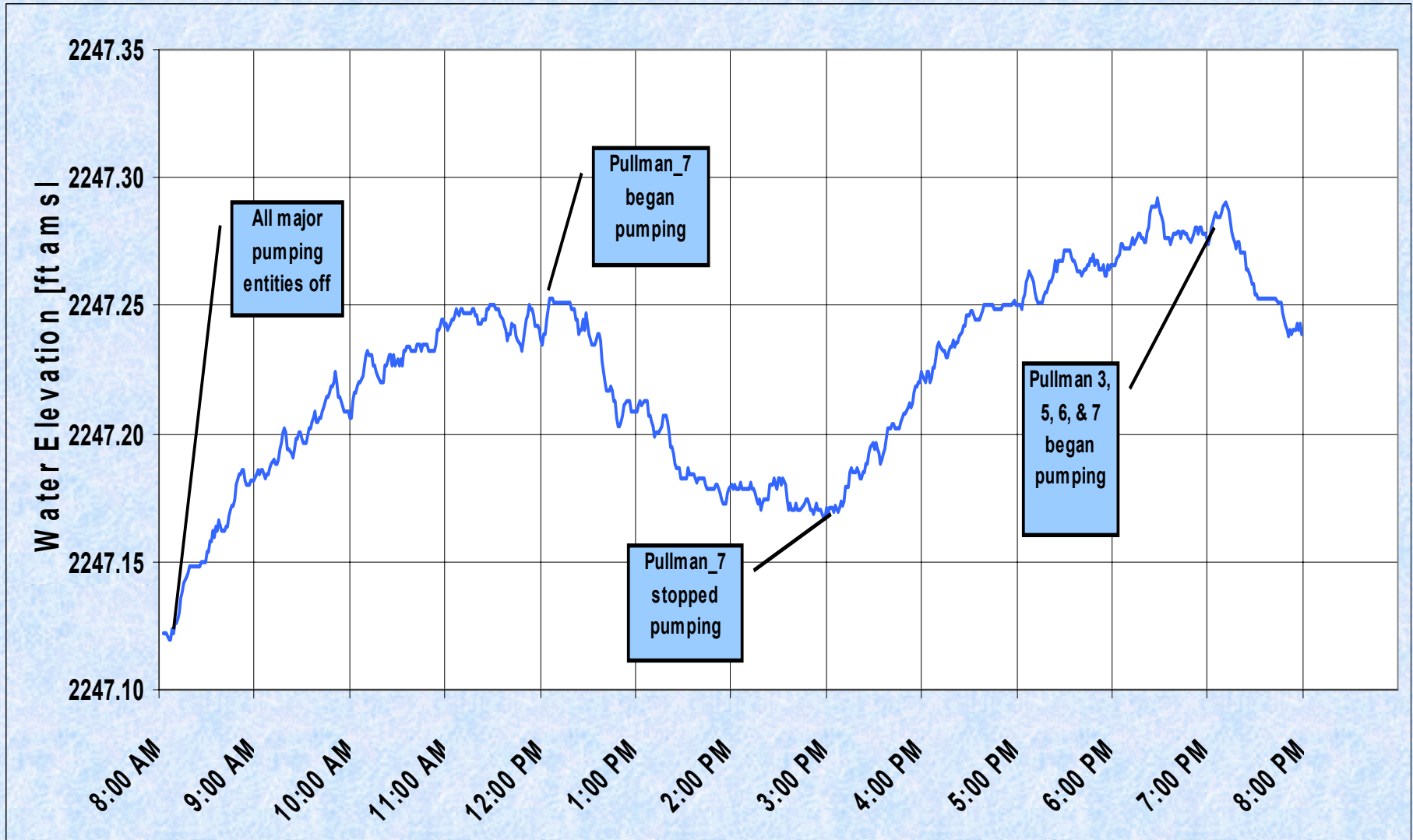
- Pullman well No. 3
- WSU test well



Pullman Well No. 3



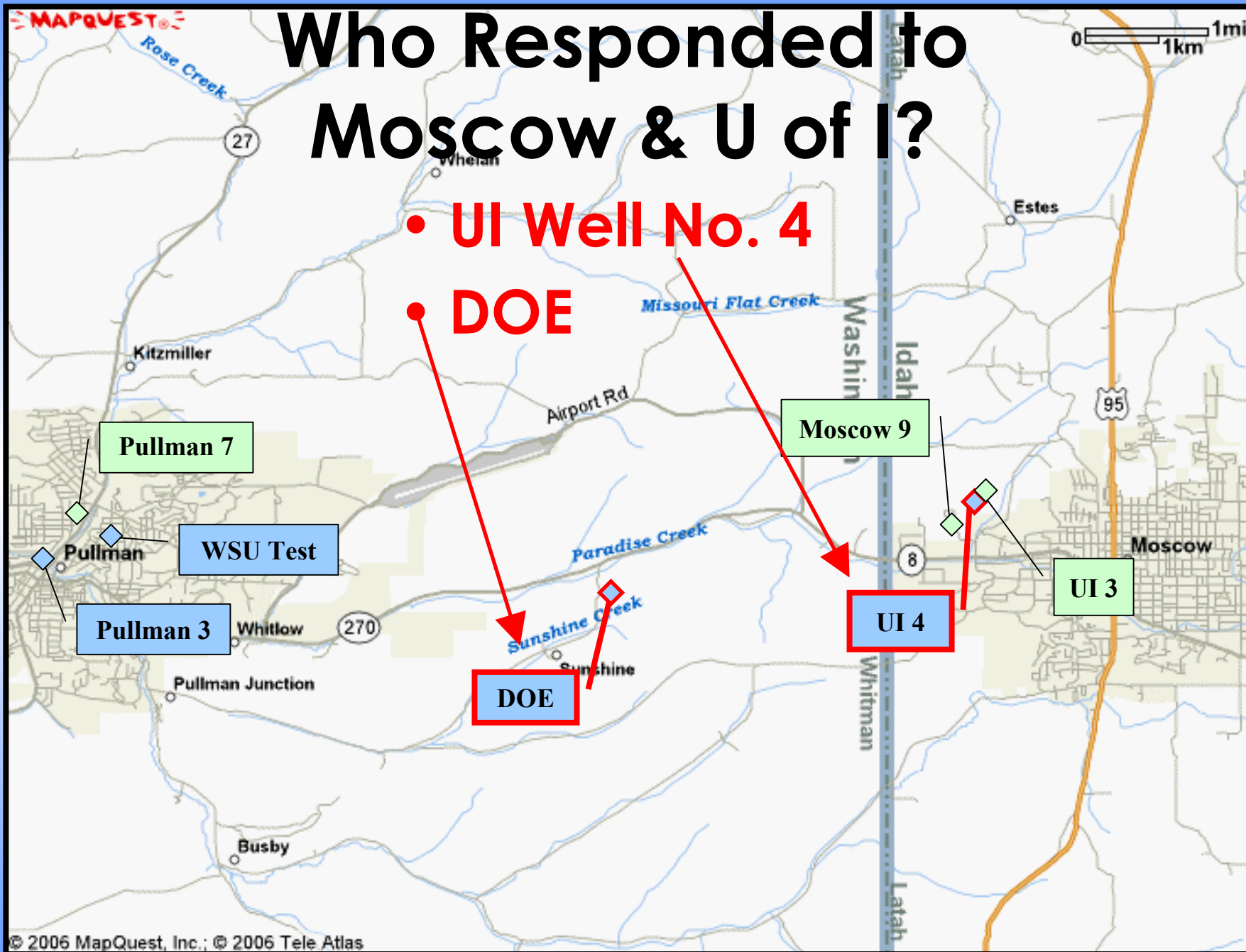
WSU Test Well



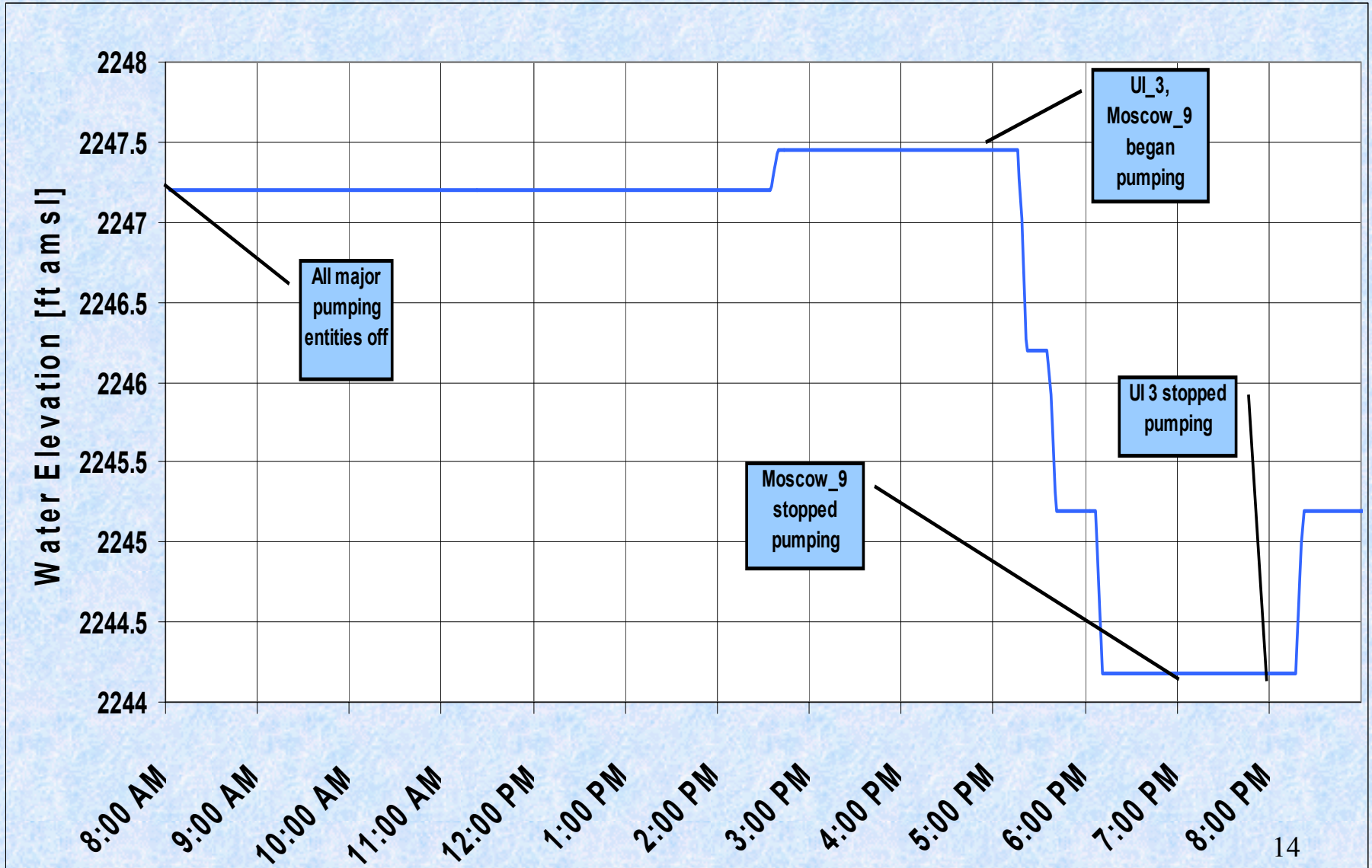
Who Responded to Moscow & U of I?

- UI Well No. 4

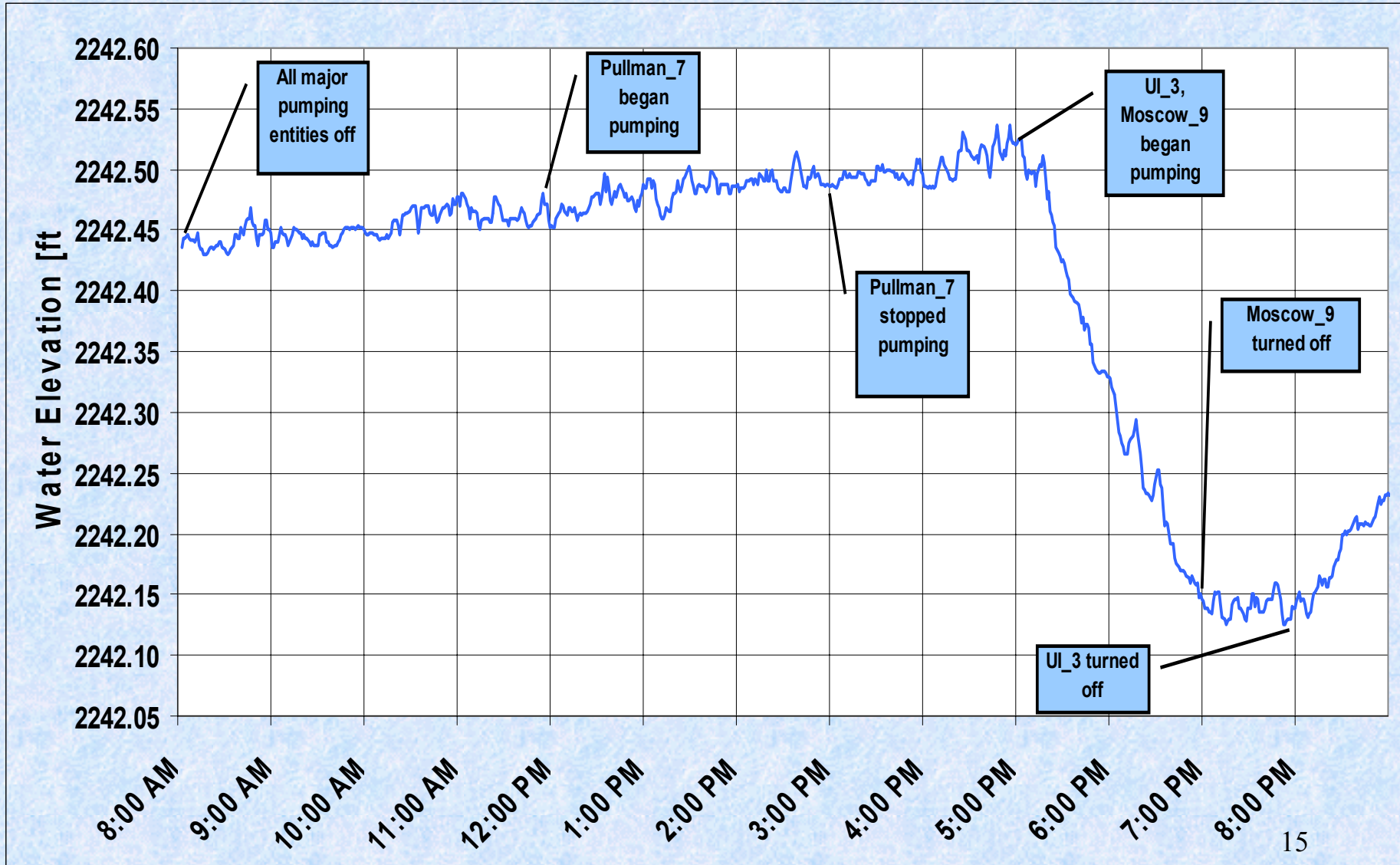
- DOE



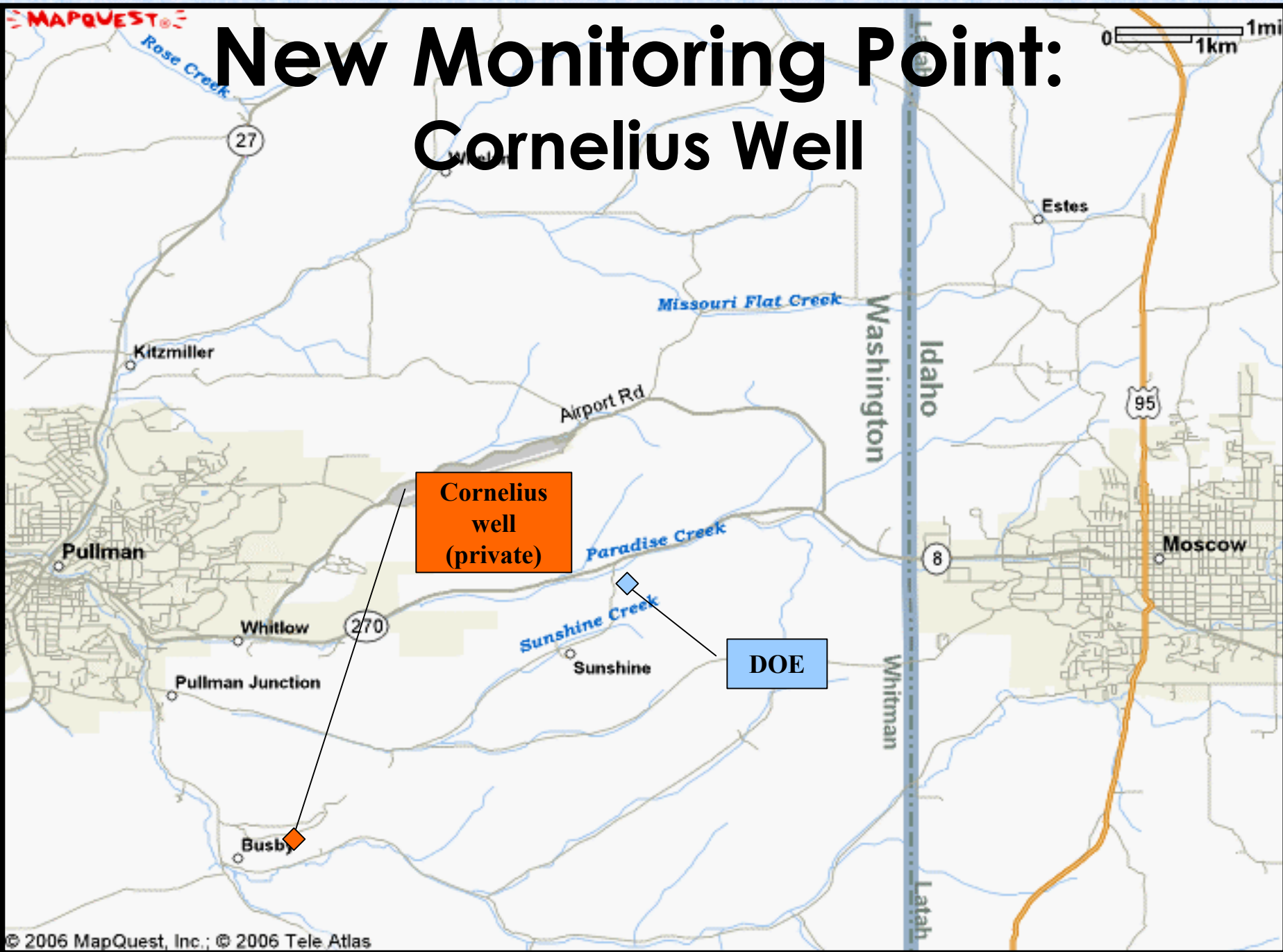
UI Well No. 4



DOE Well



New Monitoring Point: Cornelius Well



Conclusions from the 4/11/06 Aquifer Test

- Pullman 7 is connected to Pullman 3 and WSU test well
- Moscow 9 and UI 3 are connected to the DOE well
- No obvious connection between the Cornelius well and Pullman or Moscow area wells
- No obvious connection between Moscow and Pullman based on this test

Questions?