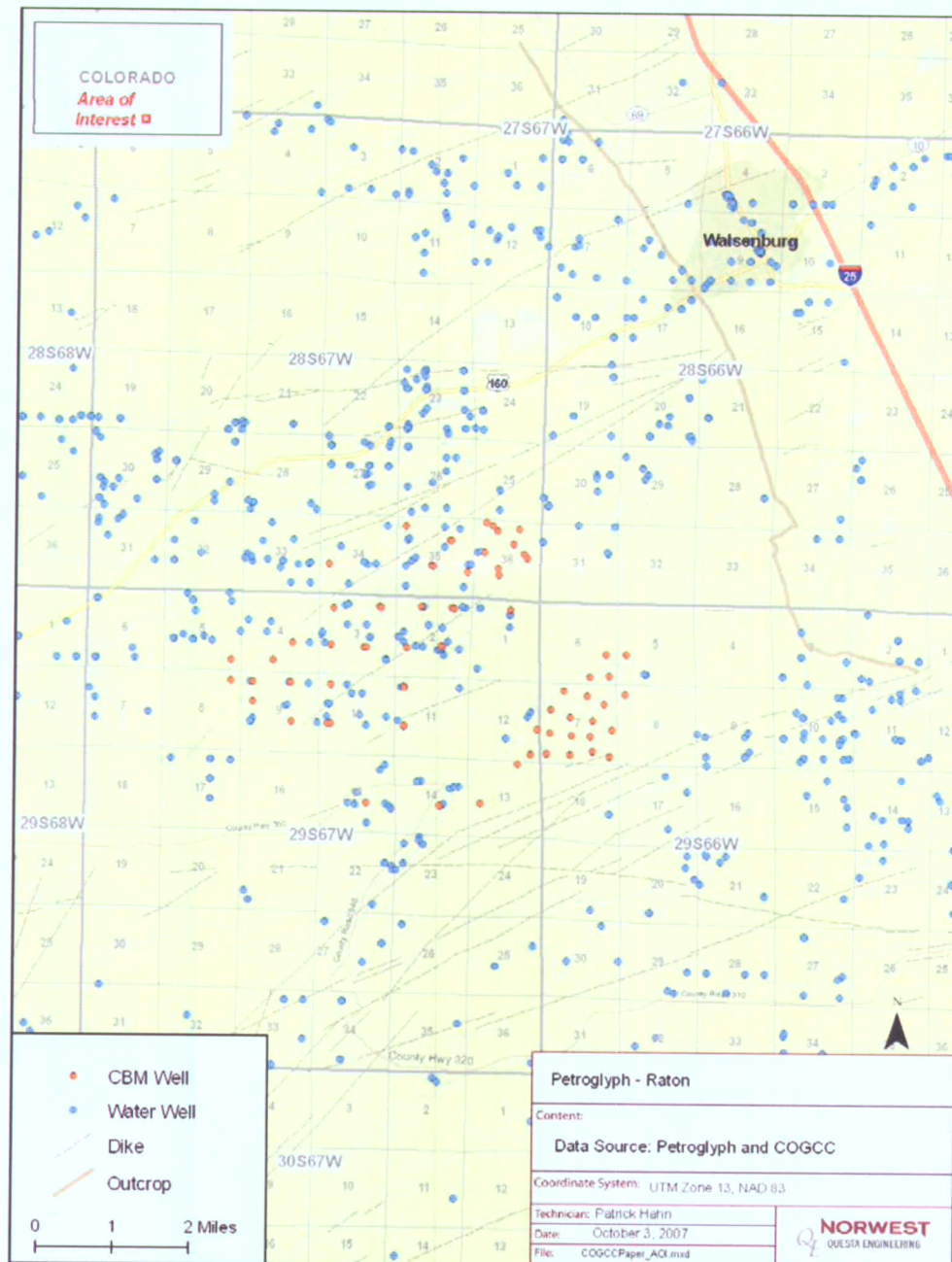
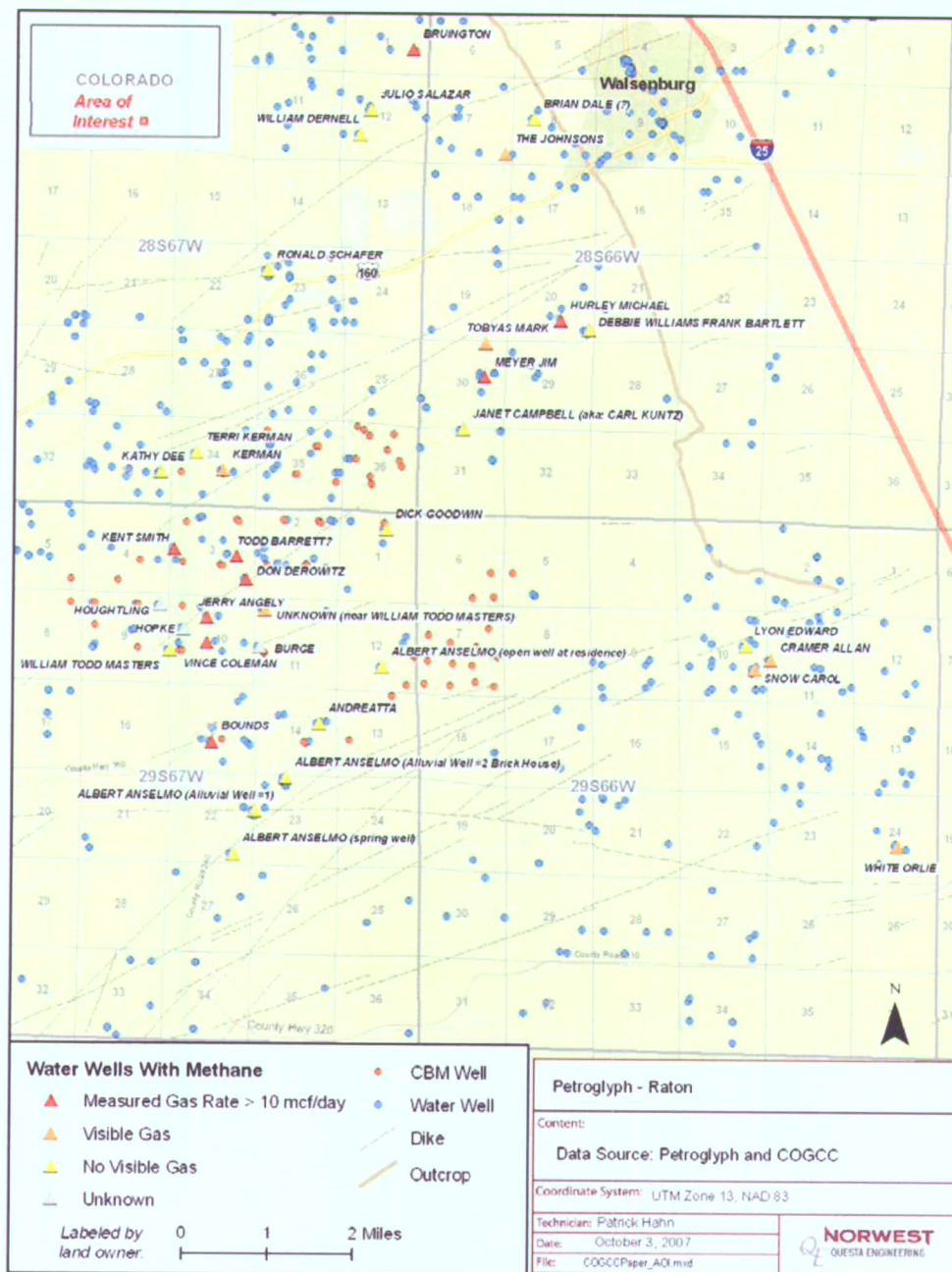


## FIGURES



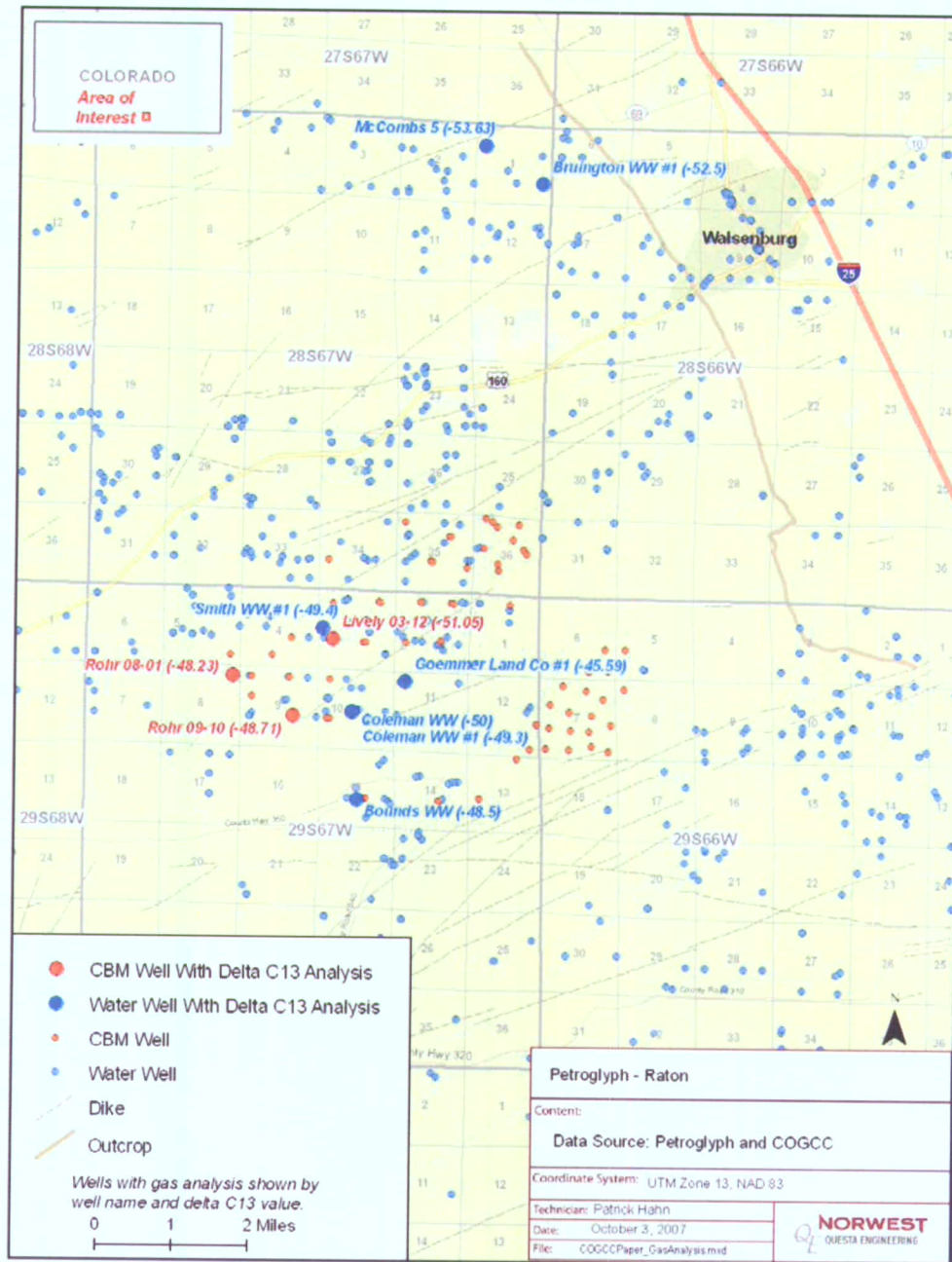
**Figure 1 Area of Interest (AOI)**  
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**Figure 2 Water wells with Measurable Methane and Associated Flow Rates**  
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**Figure 3 Map of Isotope Analysis of Shallow Aquifer and Vermejo Coal Aquifer**  
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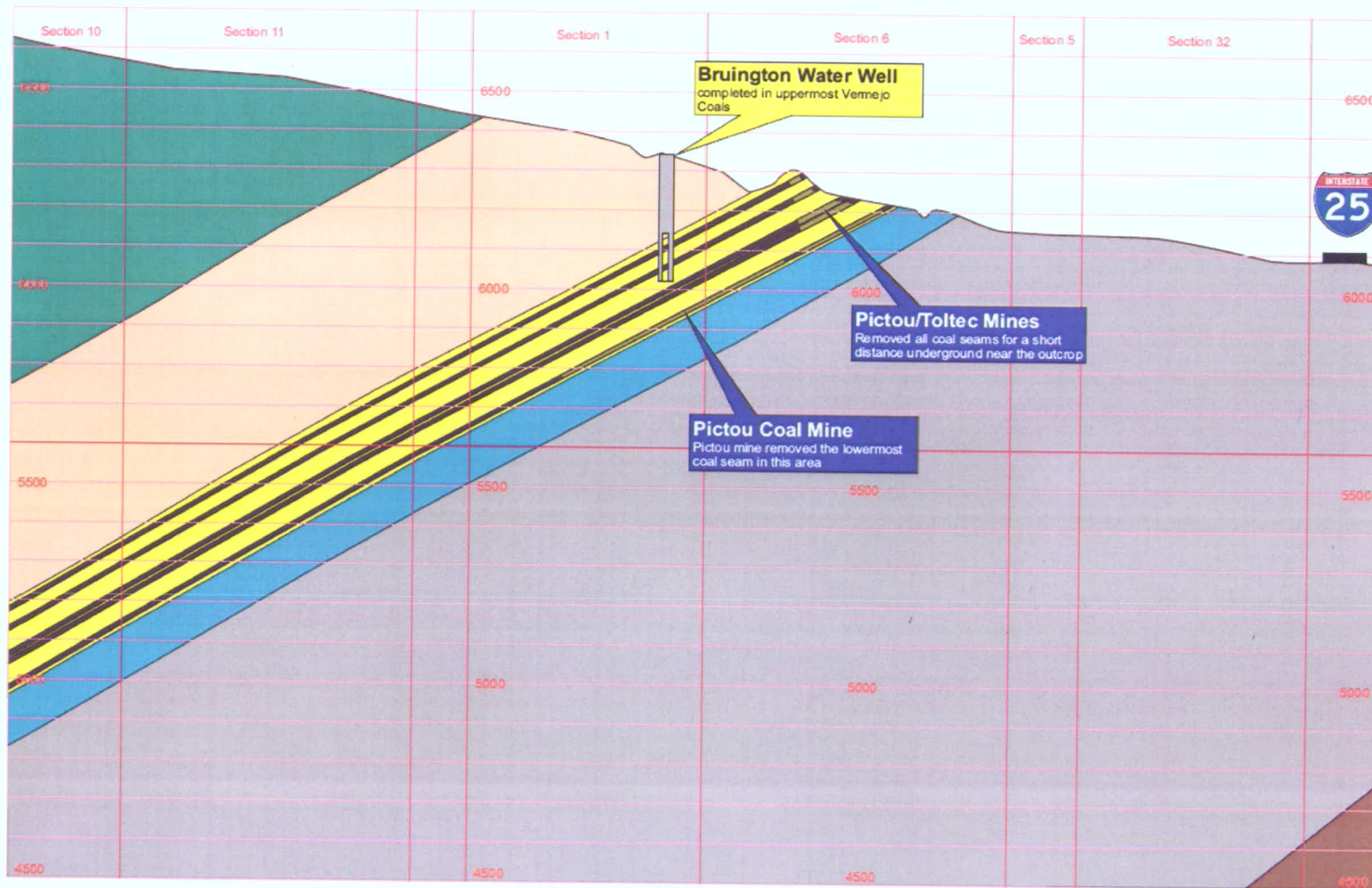
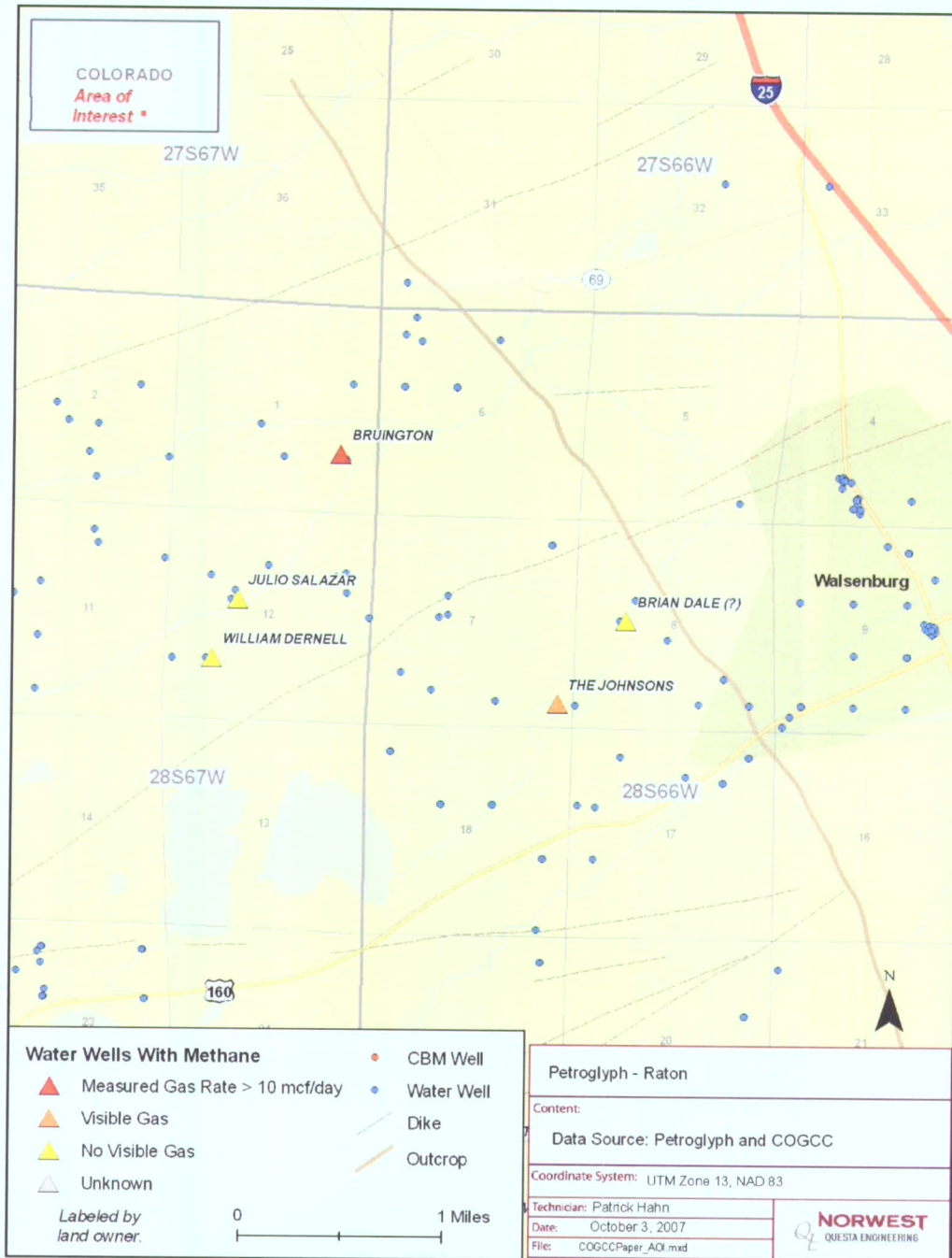


Figure 4 Cross-section of Bruington Water Well Completion and relationship to Coals and Previous Mining Activity

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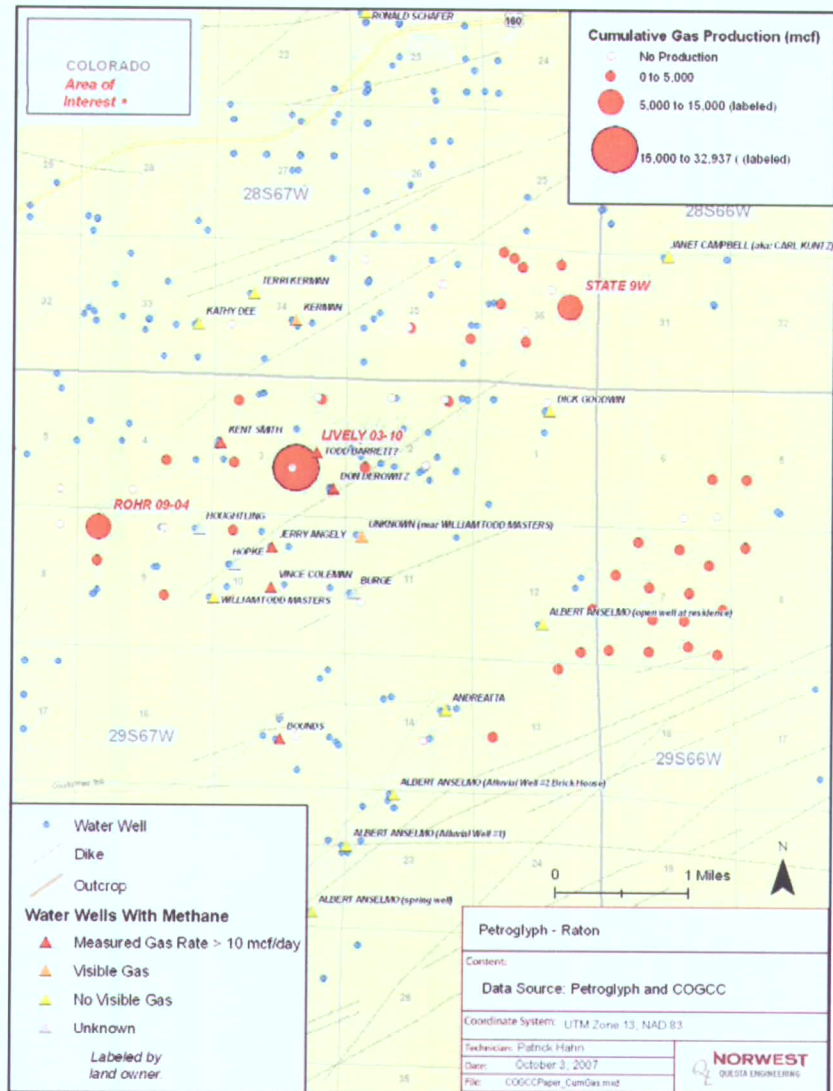




**Figure 5 Location of Bruington Well and Outcrop**

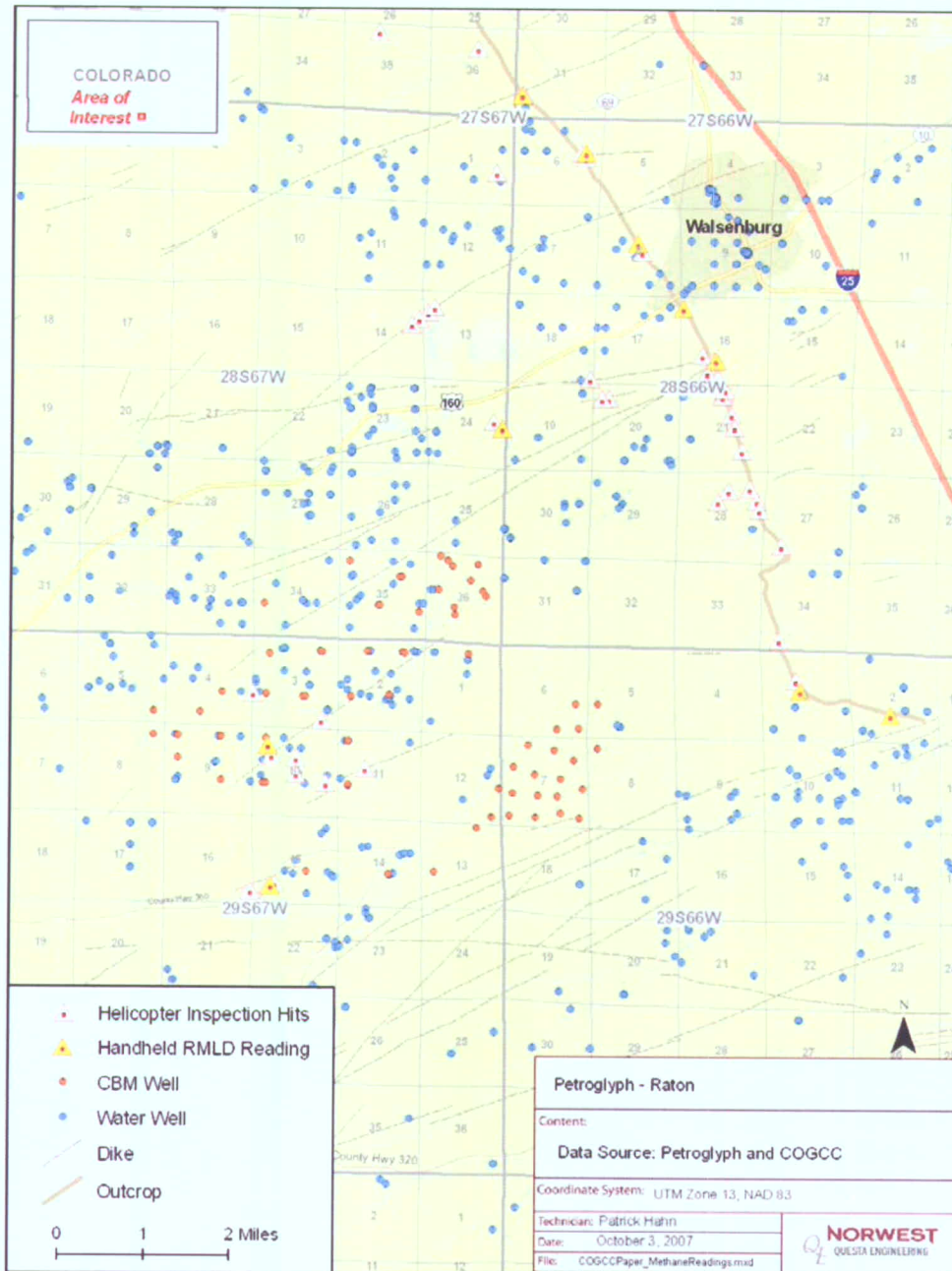
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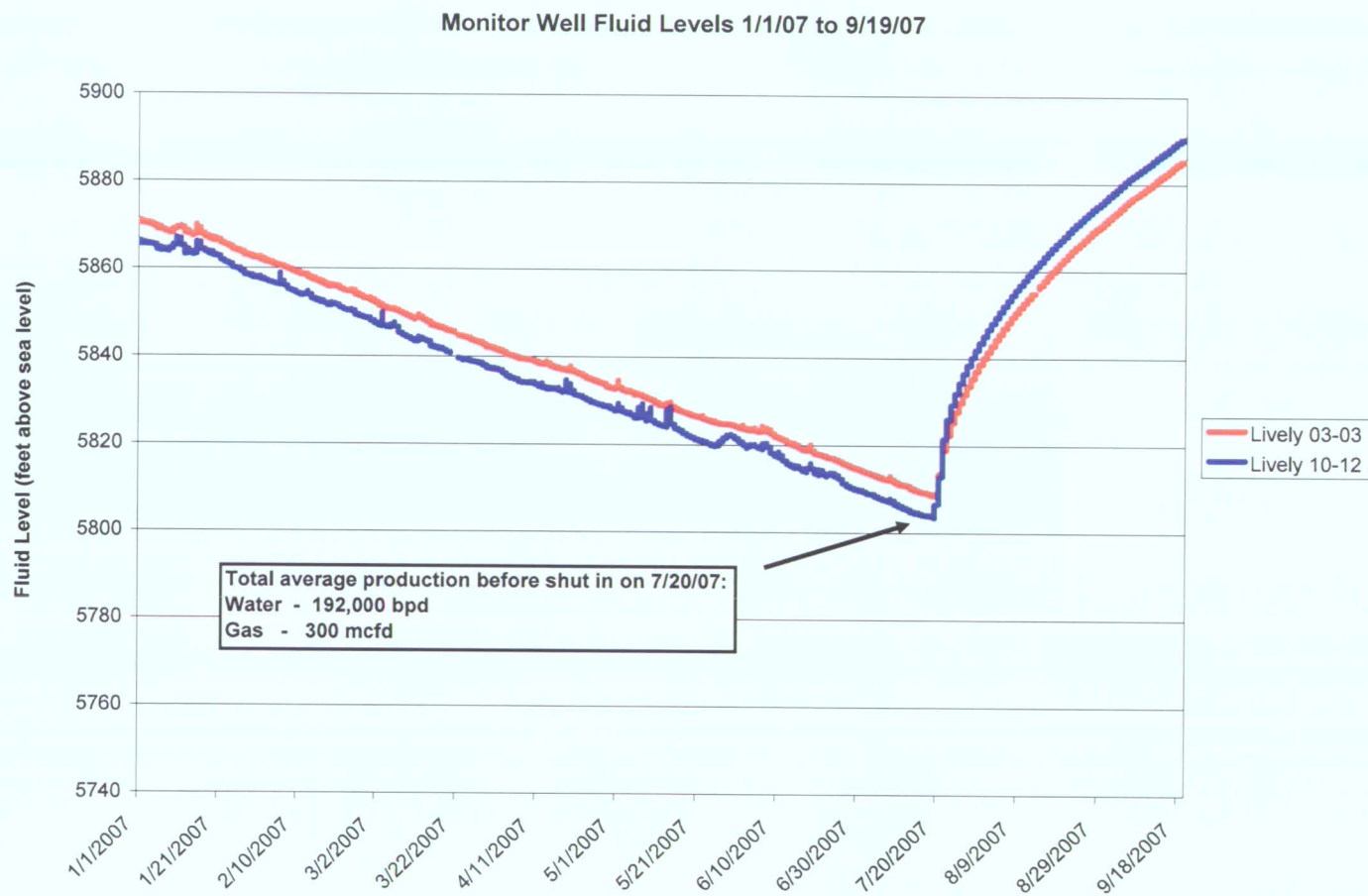


**Figure 6 Location of CBM Producers with Cumulative Gas Produced and High Methane Flow Rate Water Wells**

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**Figure 7 Helicopter Survey Methane Hits and RMLD Methane Readings**  
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**Figure 8 Observed Rise in Vermejo Coal Aquifer P head after Field Shut In**

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## Production Monitor & Domestic Well Potentiometric Data

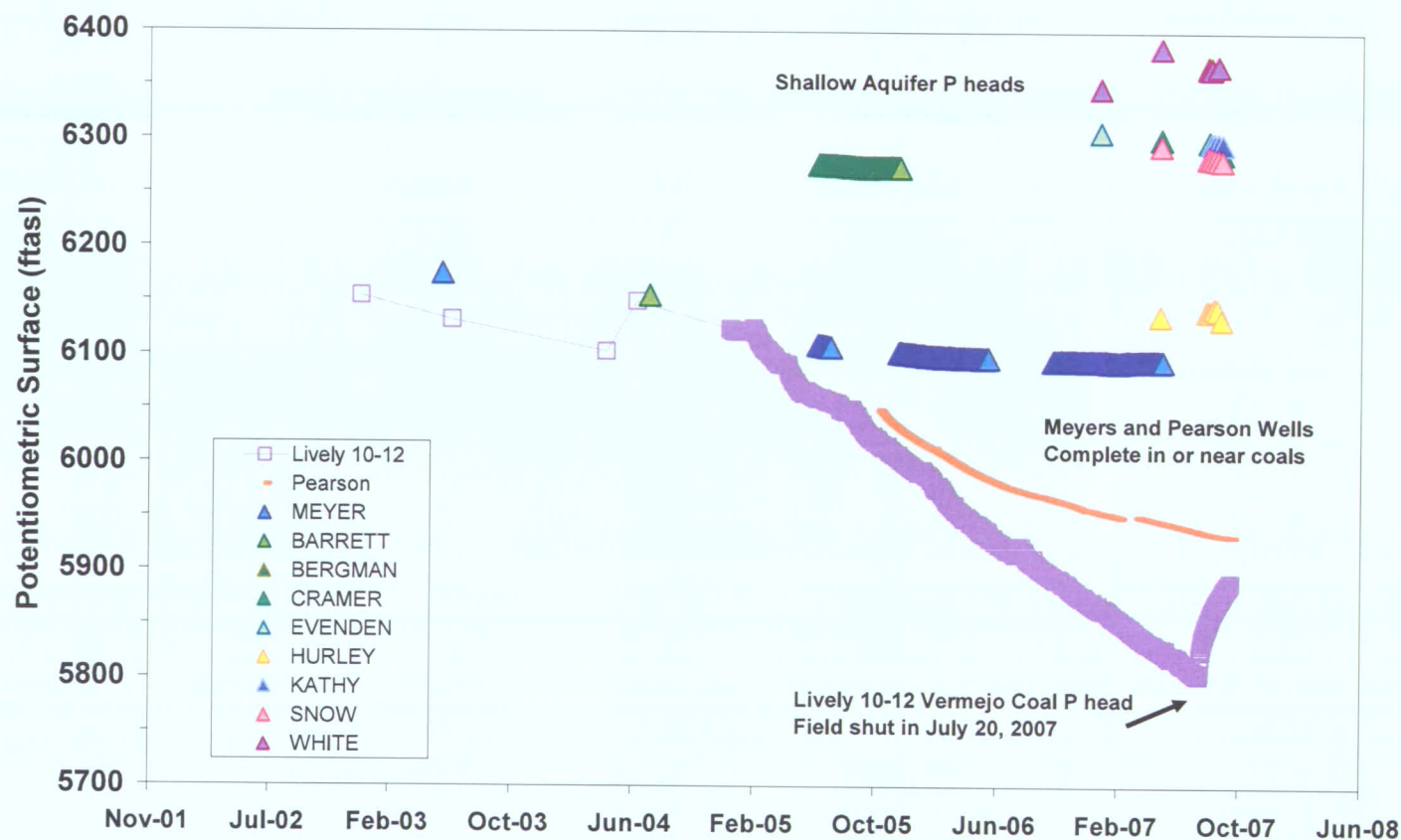
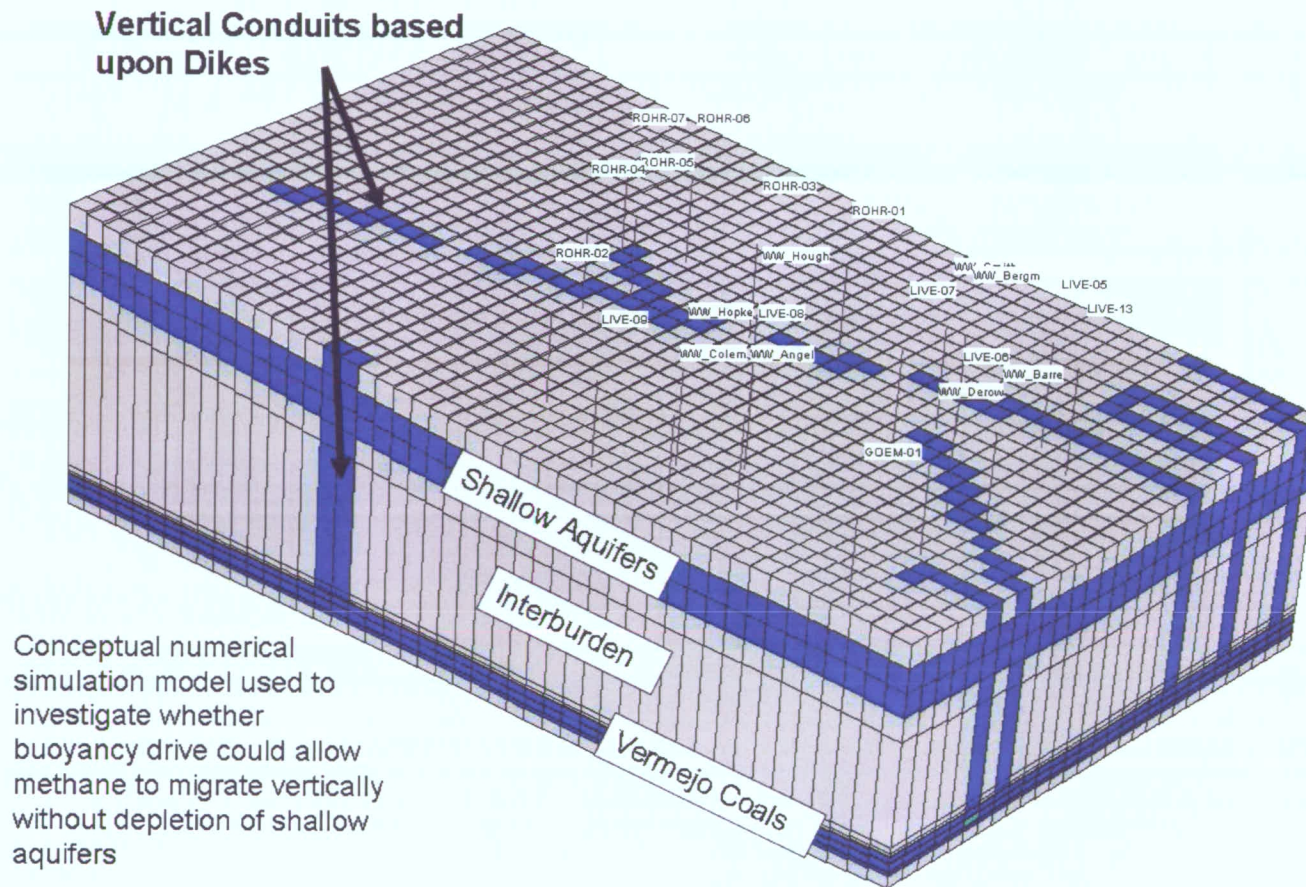


Figure 9 Observed P head difference between Vermejo Coal Aquifers and Shallow Aquifers



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**Figure 10 Vertical Conduits and Model Geometry of Buoyancy Simulation**

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Conceptual Simulation Results  
Shallow Aquifer P head Response to Vermejo coal de-watering

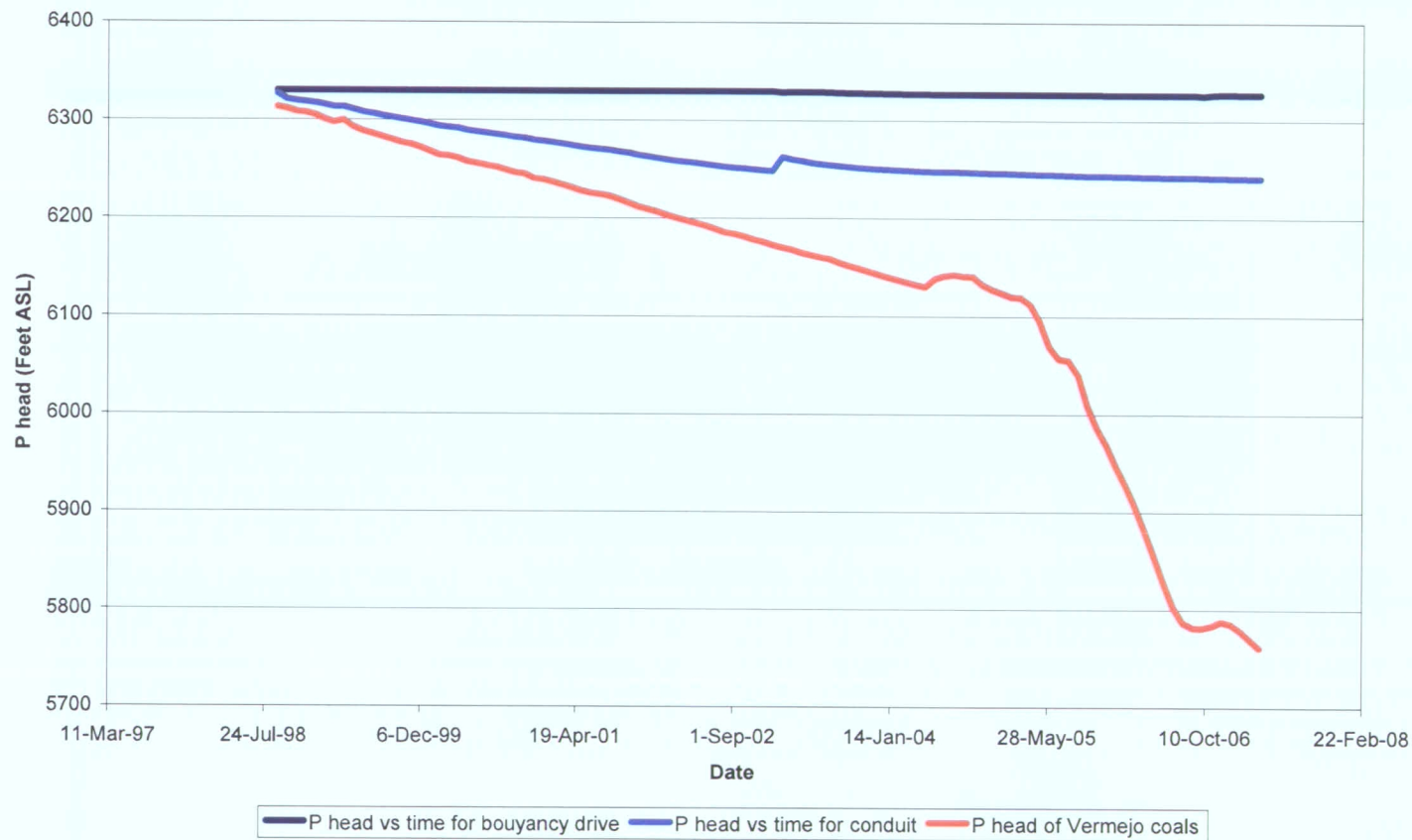


Figure 11 P head results from Buoyancy Simulation

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Conceptual Simulation Results  
Peak Methane Rates in Water Well

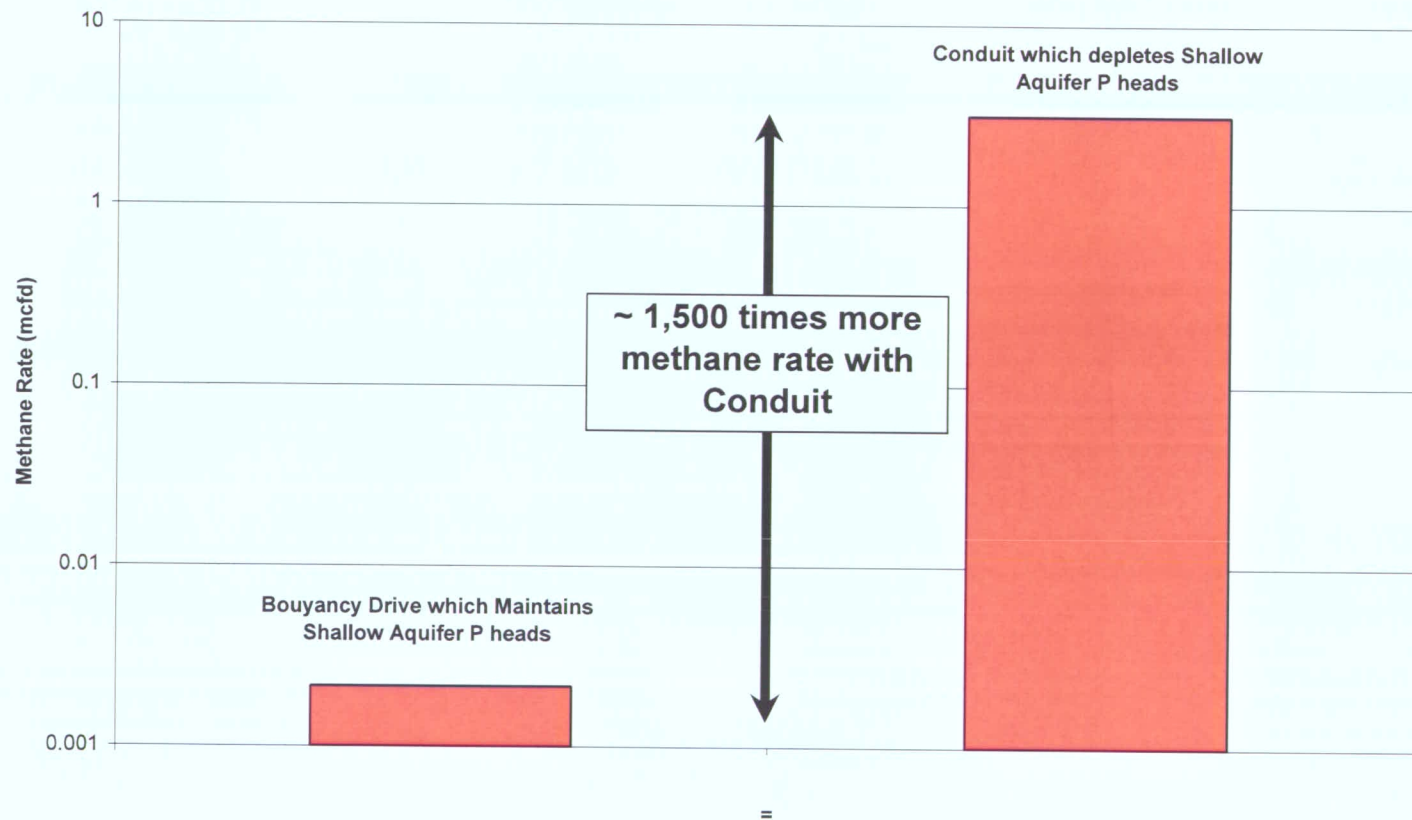
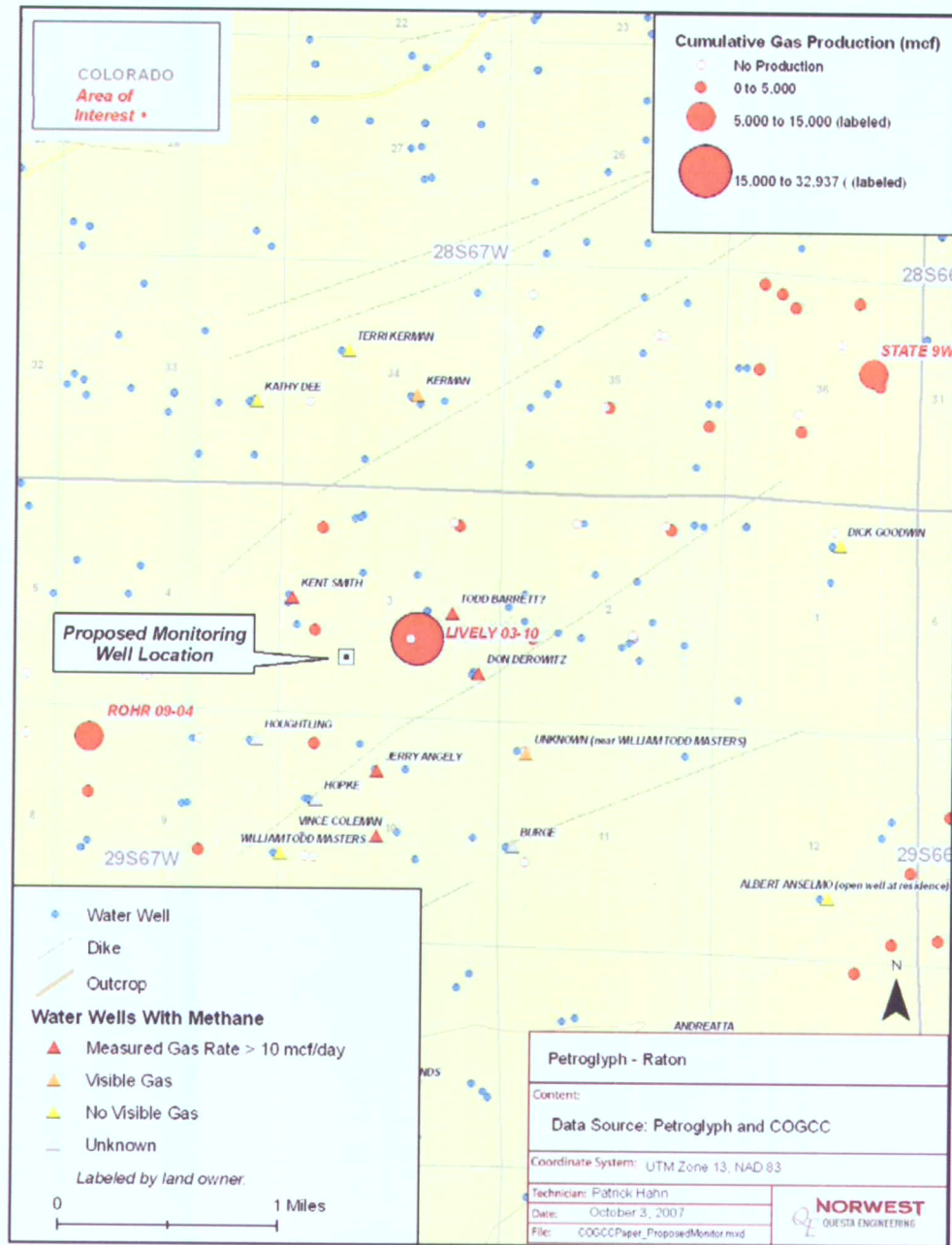
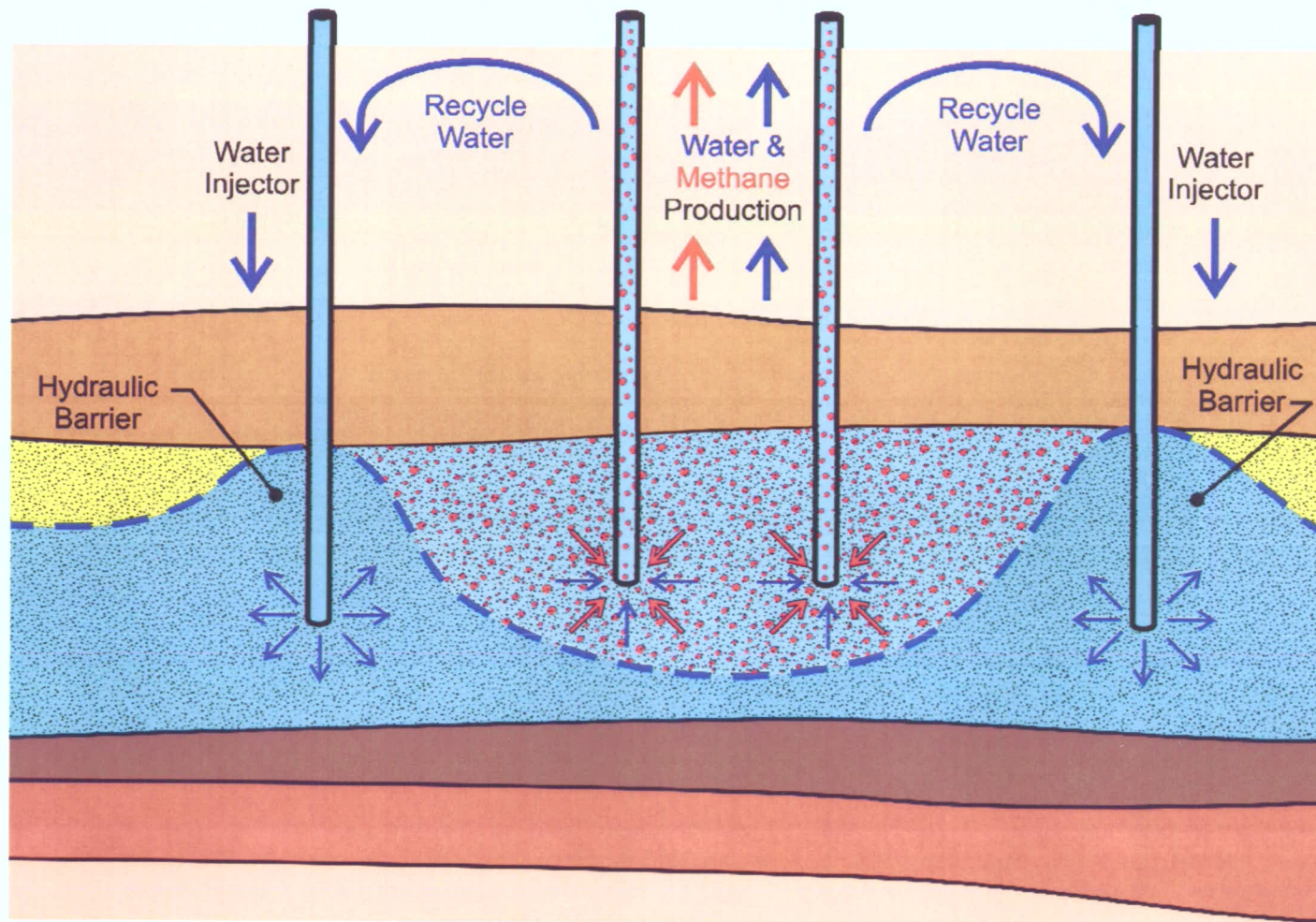


Figure 12 Comparison of Buoyancy Simulation Methane Flow Rate and Conduit Methane Flow Rate

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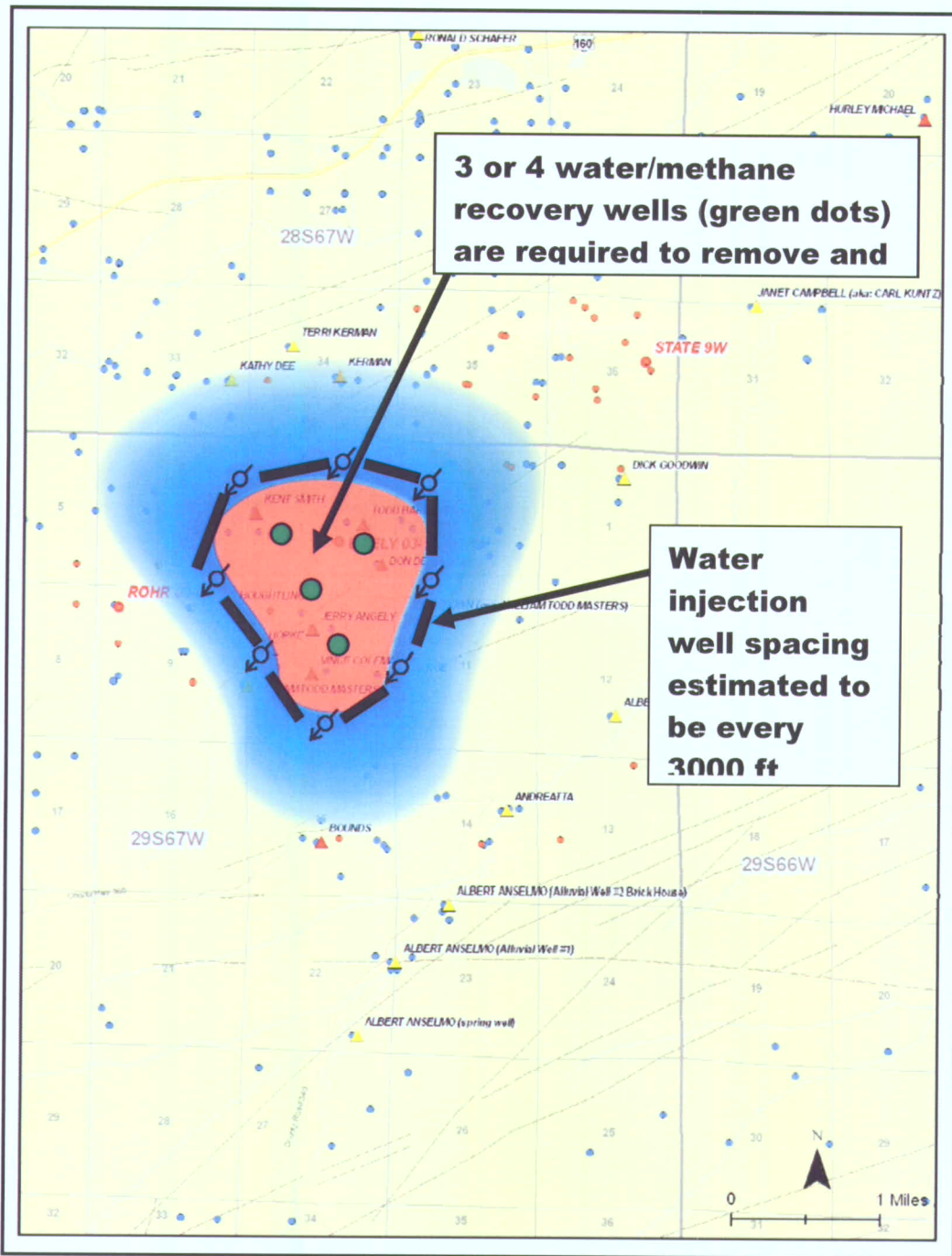
**Figure 13 Proposed Location for Shallow Aquifer Monitoring and Testing Well**  
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**Figure 14 Illustration of Hydraulic Barrier in Cross-Section View**

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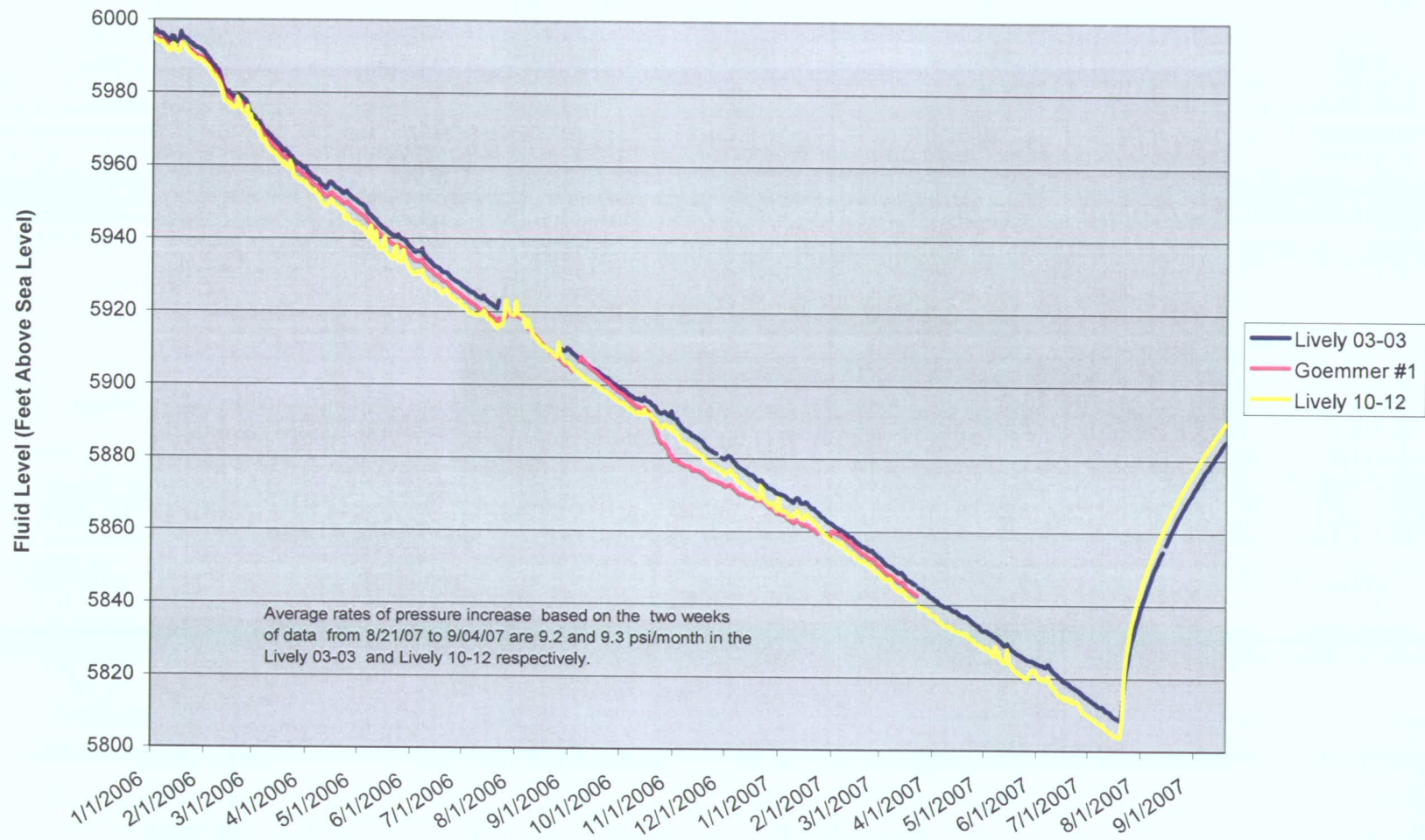
**Figure 15 Illustration of Hydraulic Barrier in Map View**  
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### Monitor Wells Pressure Response from 1/1/06 to 9/19/07



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METHANE INVESTIGATION, MONITORING, AND MITIGATION  
PROGRAM REPORT  
REPORT # 24420071207