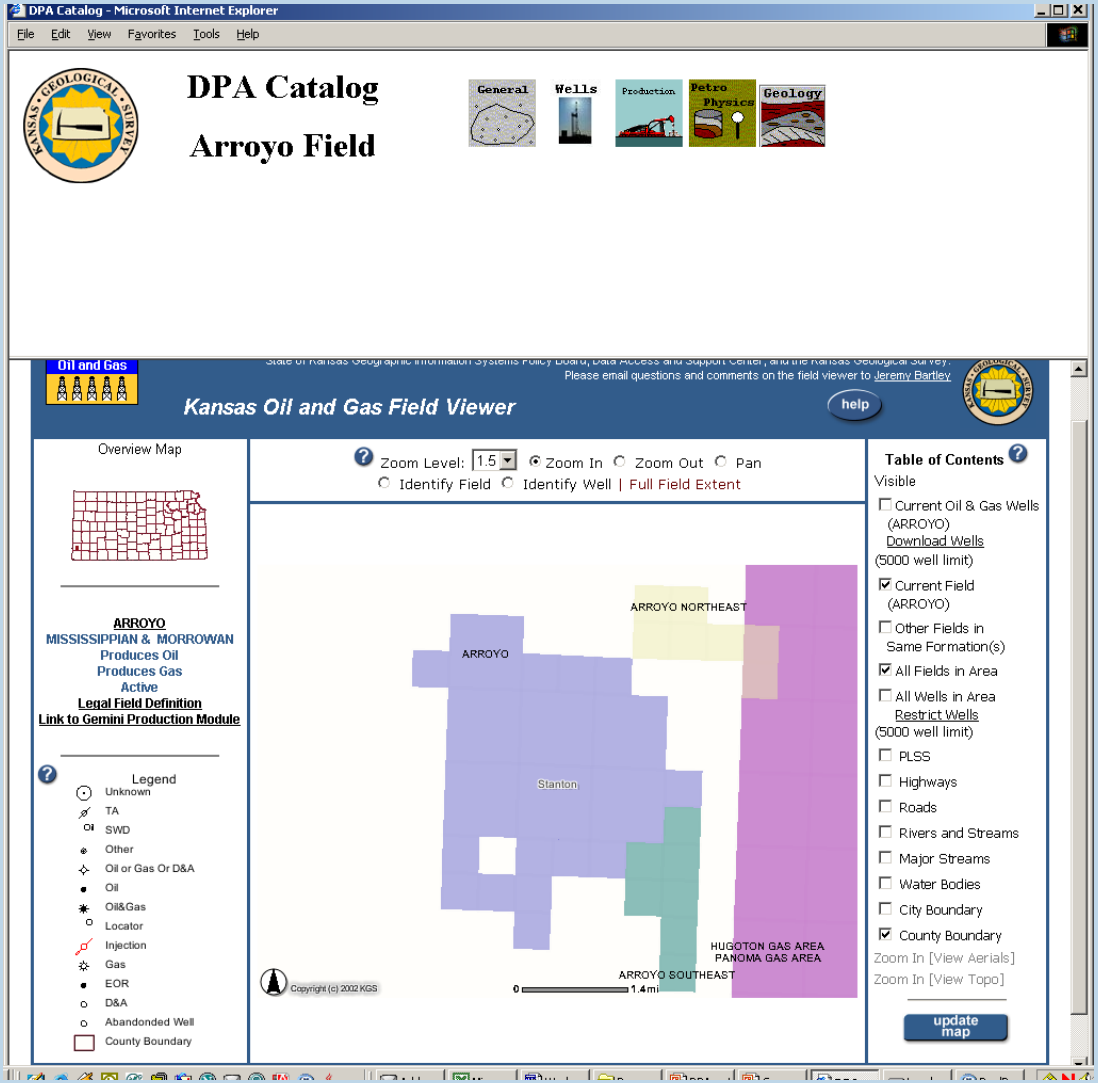
The Deep Pools Atlas
DPA
The Next Generation

Timeline and Goals

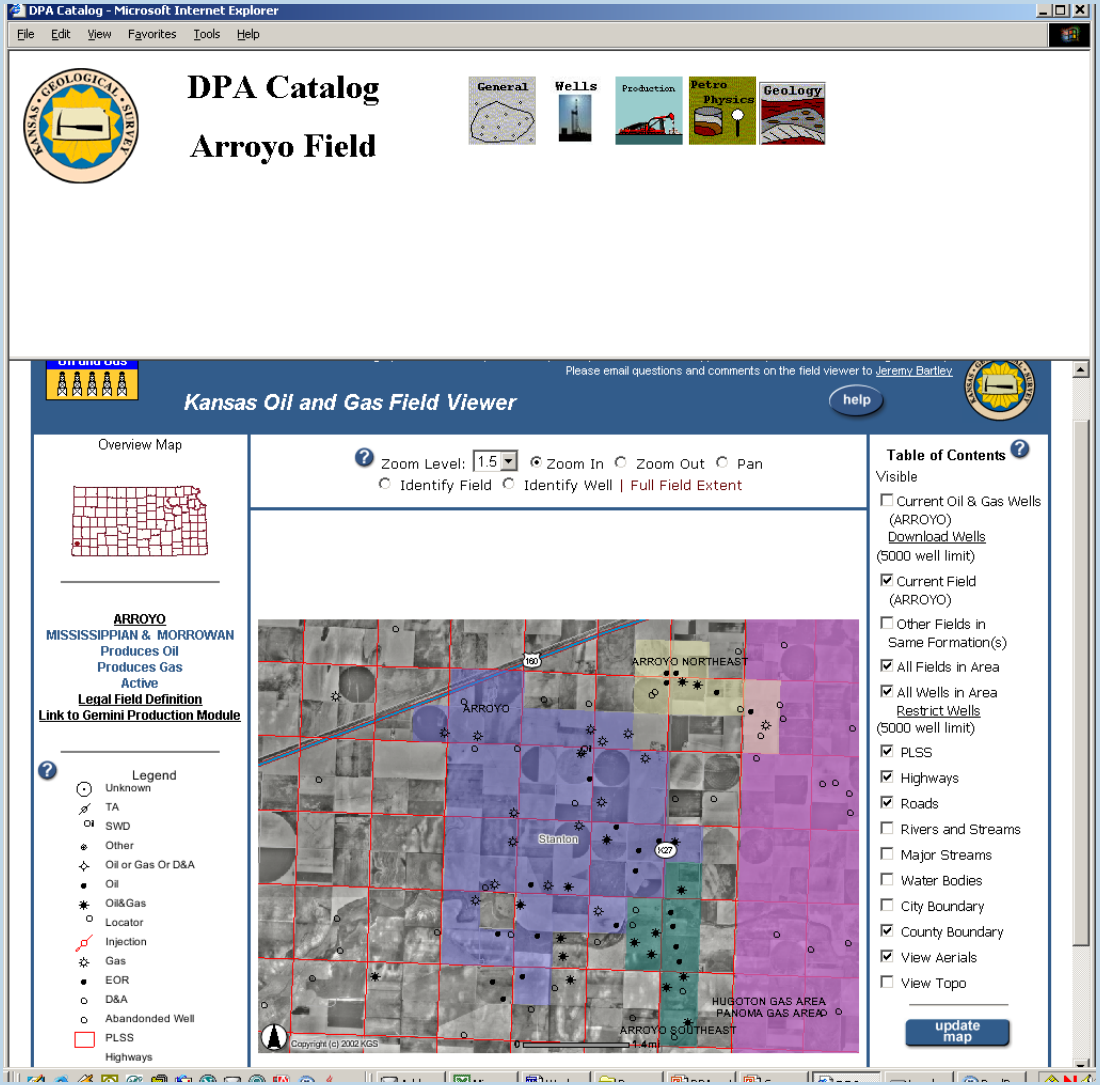
- Digital Petroleum Atlas
  - First Online Atlas of Oil and Gas Fields
- Generations
  - Generation 1 (1995-2000)
    - Static Web Pages
  - Generation 2 (Current Situation)
    - Dynamic Access to Raw Data
    - Limited Tools
      - Simple GIS Mapping and Production Plotting
  - Generation 3 (The next step)
    - Dynamic tools to provide flexible synthesis (Region, Play, Field, Reservoir or Horizon)
      - Dynamic Mapping, Log Analysis, Cross-section Construction, Core Examination
    - Integration of User Data.
    - Move into 3D world and multiple interacting windows
  - Generation 4 (Happening in NATCARB)
    - Distributed Internet Map Servers (IMS) and XML access



Map Viewer

- Interactive Front End
  - Real-time Field Outlines
  - Multiple Themes
  - Zoom and Query
- Real-time Access
  - Field Lines
  - Wells
  - Highlight Well Data

http://www.kgs.ku.edu/Gemini/jrv_test/DPACatalogA.html?sField=Arroyo&sKID=1000152060



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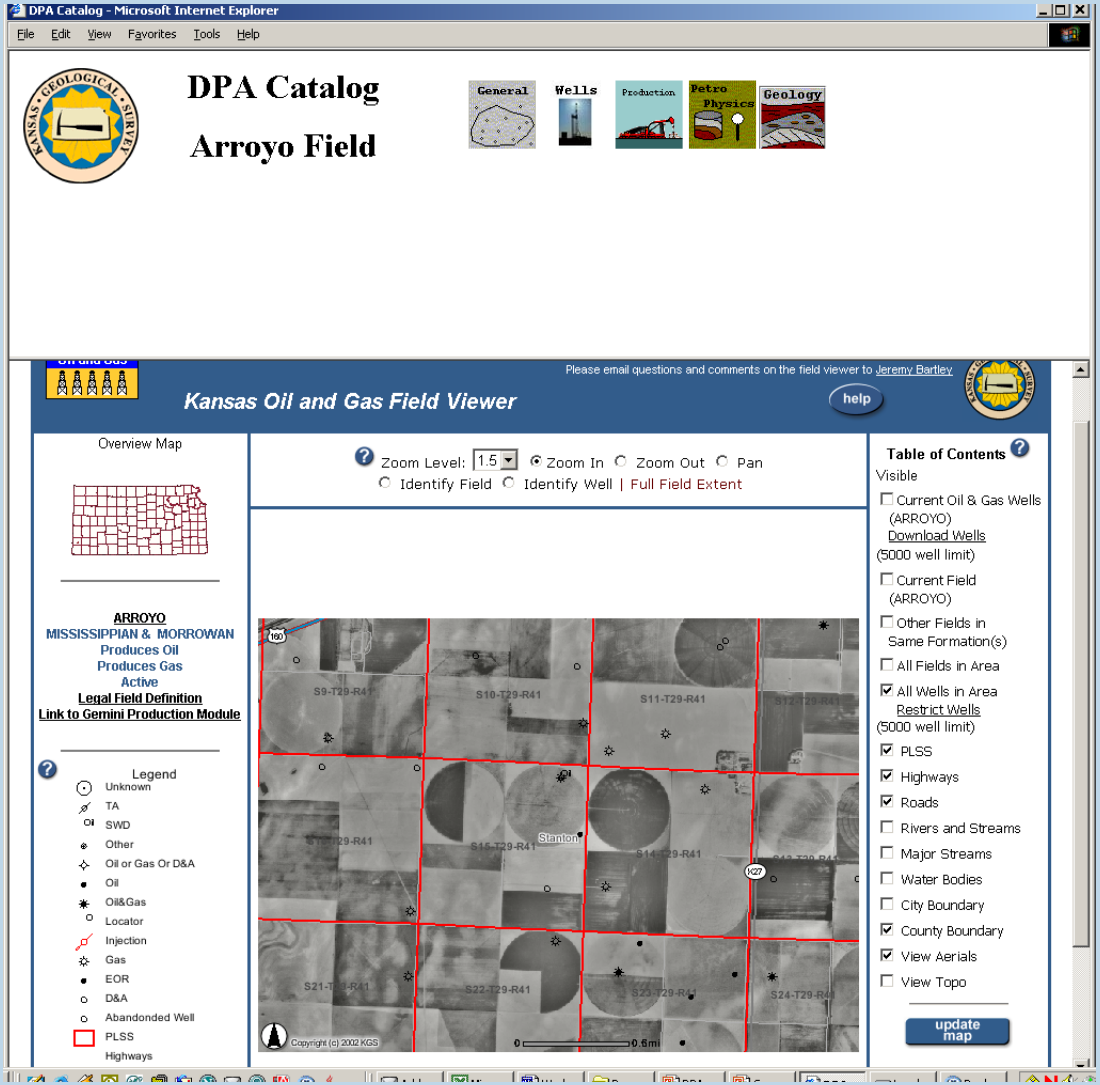

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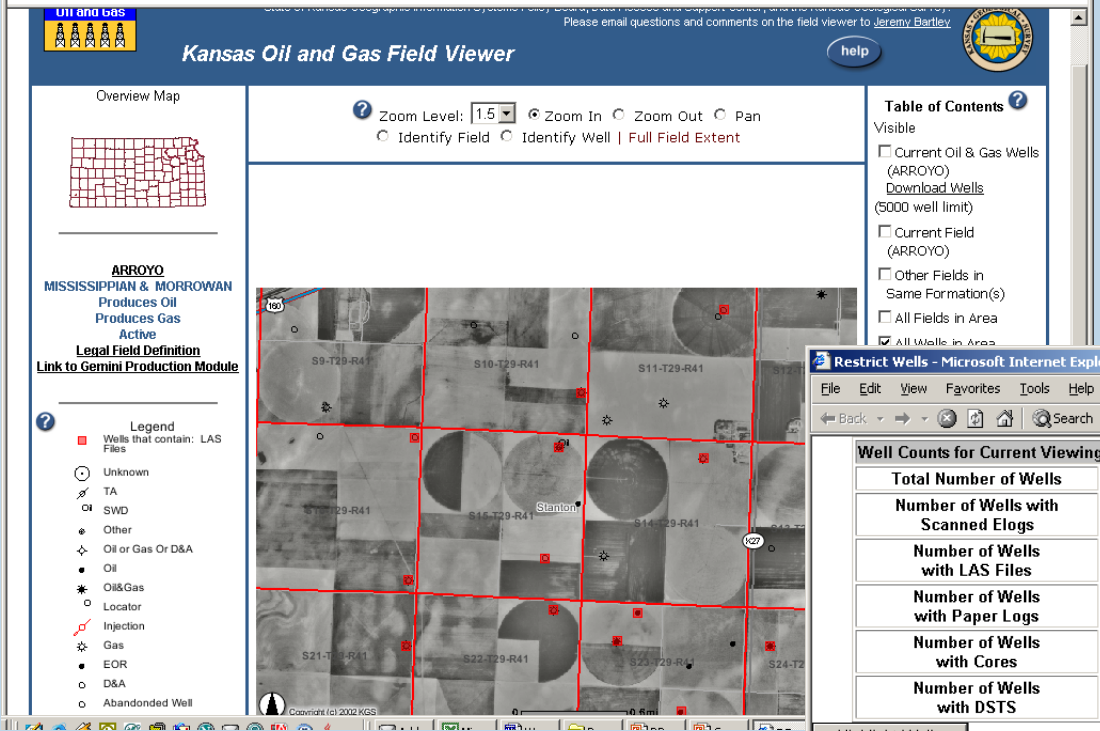

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Map Viewer

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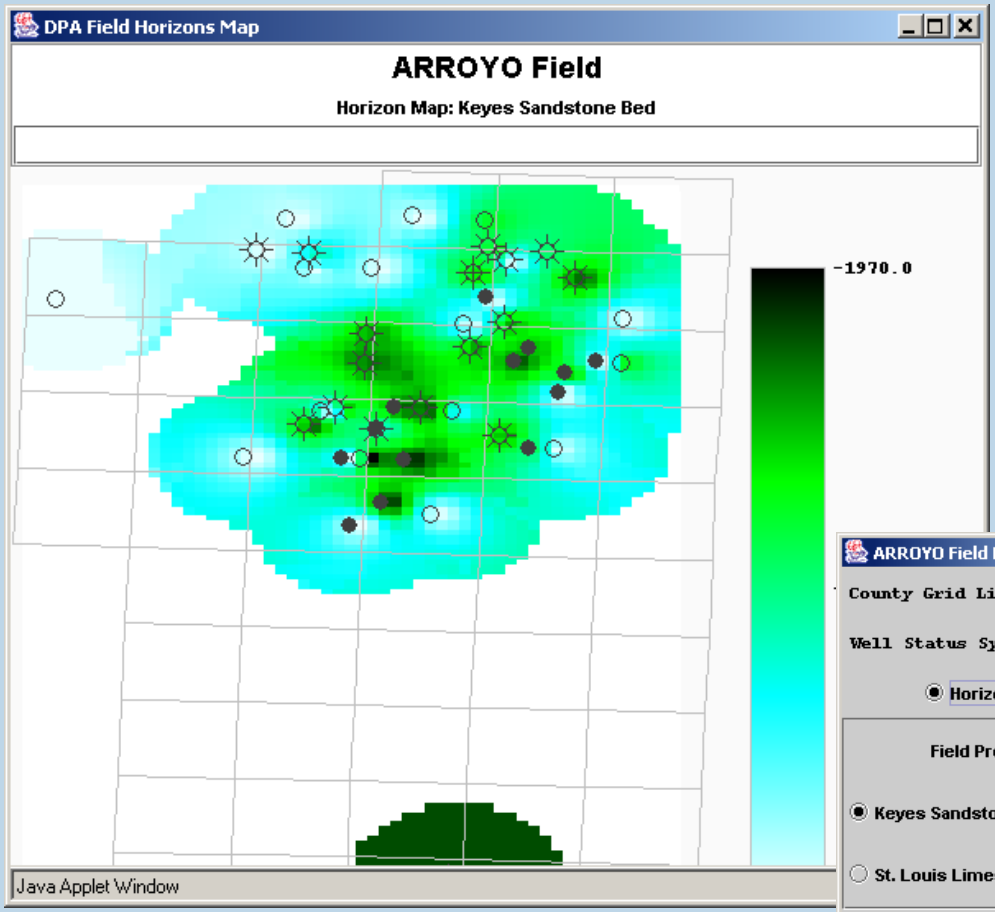
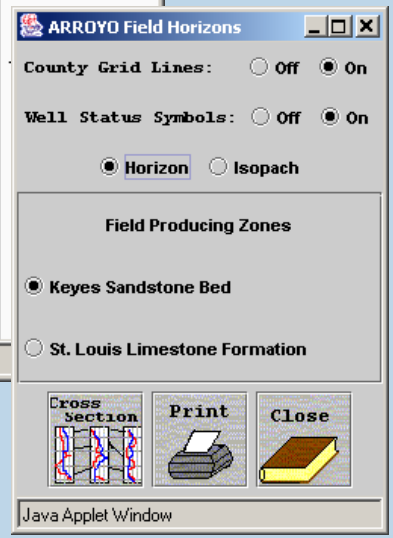
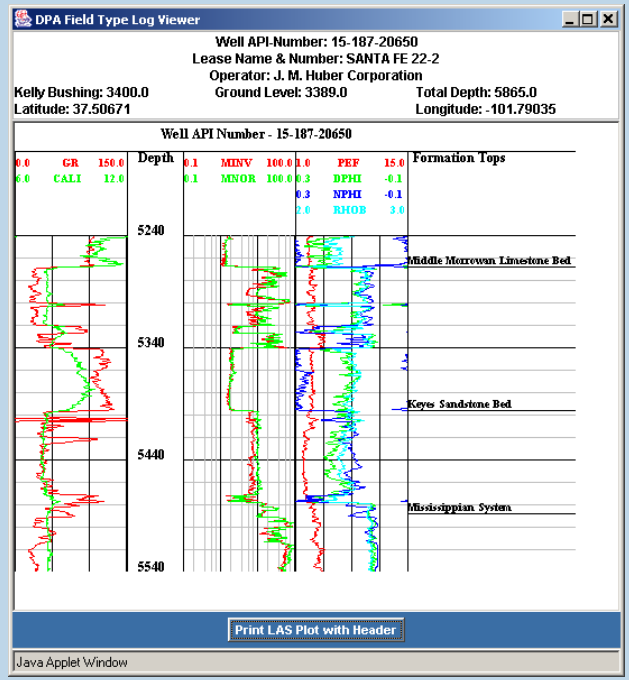
  - Structure & Isopach
  - Type Log







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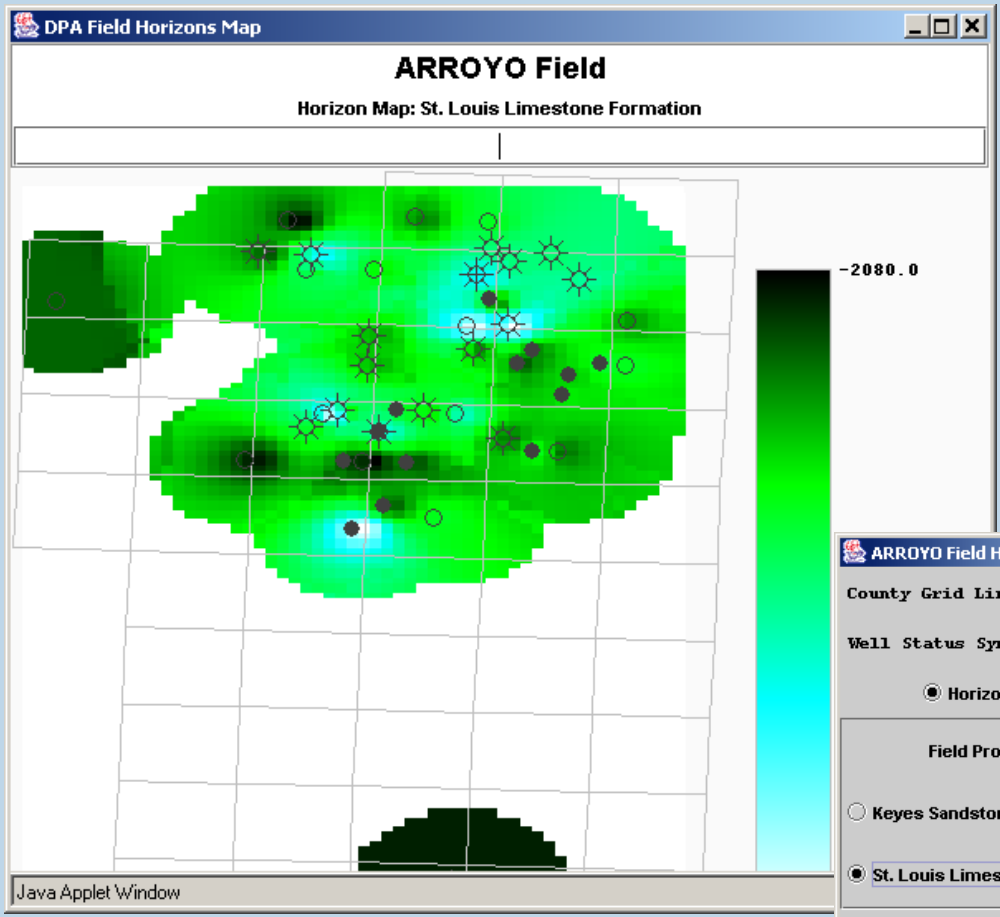

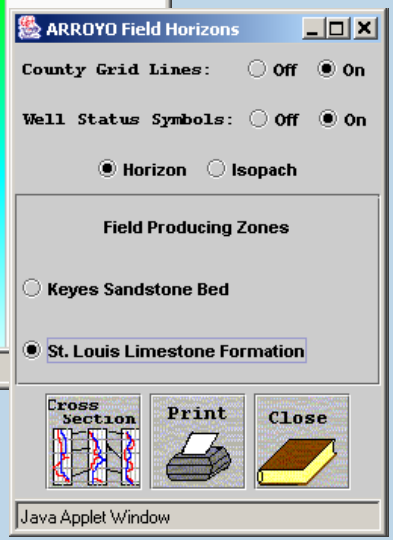

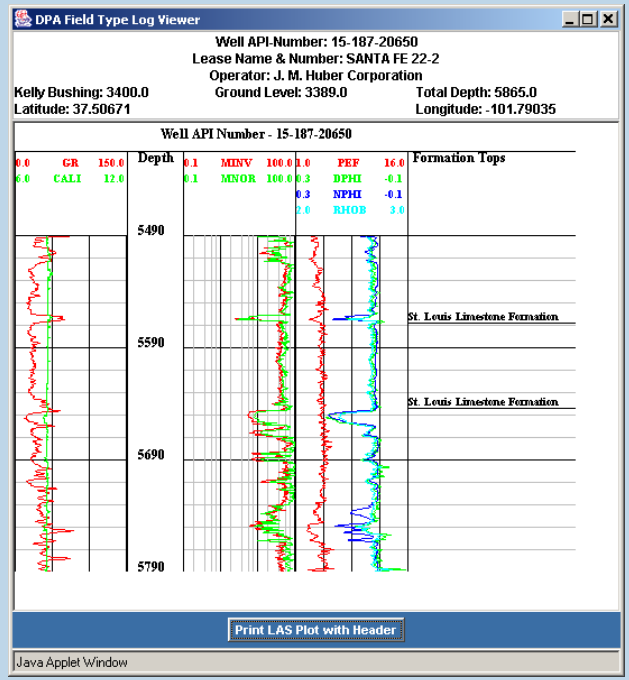

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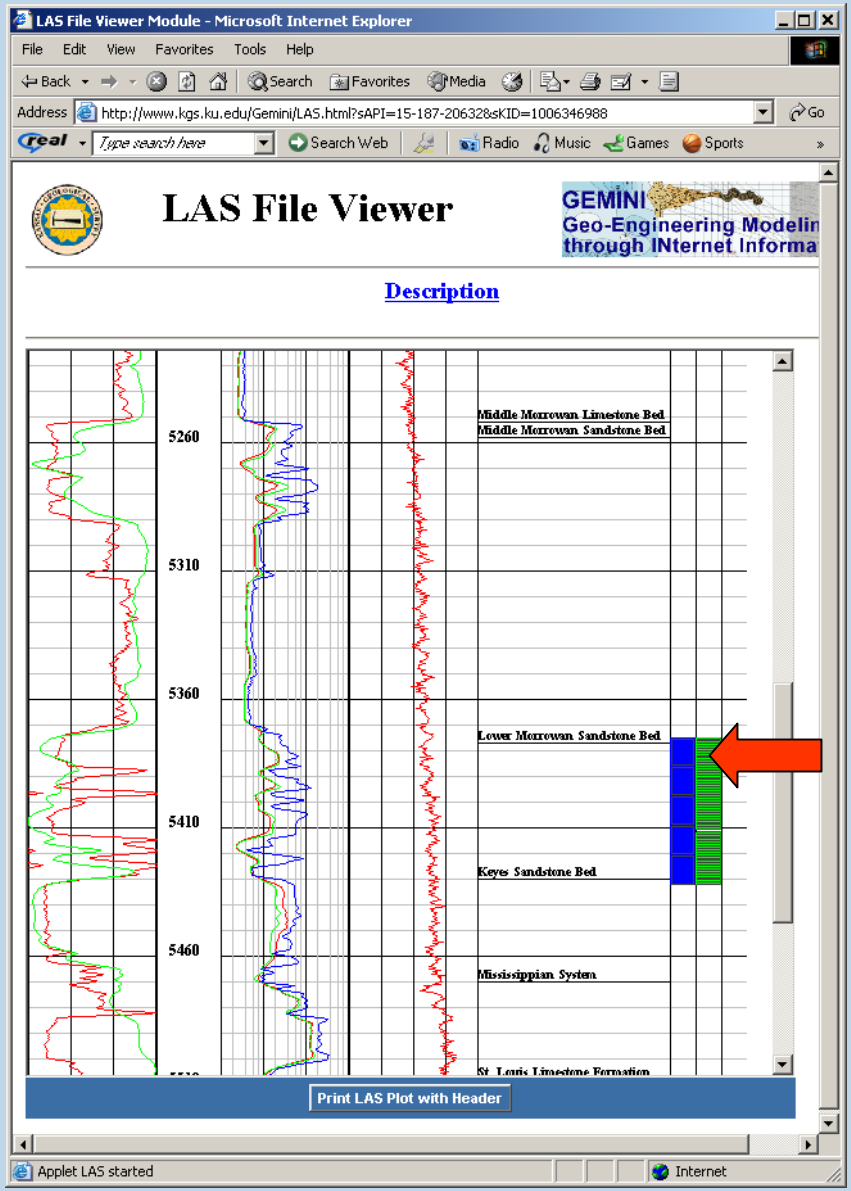
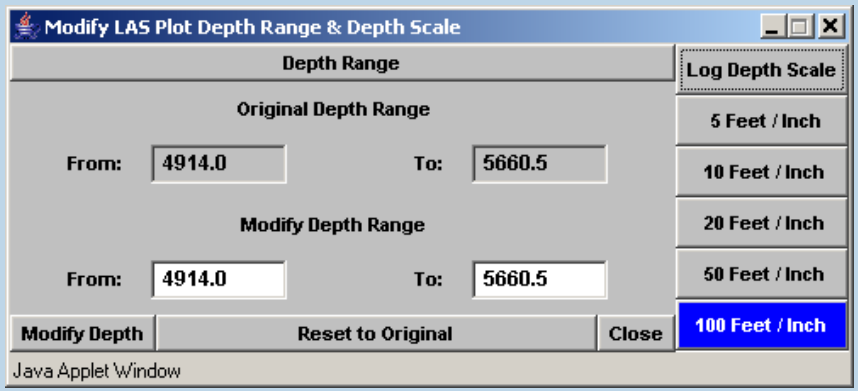
Log & Core Viewer

- Interactive
  - Adjust Scale
  - Scroll Through Depth
- Real-time Access
  - Well-logs
  - Geologic Tops
  - Core Images
  - Perforations
  - DST's





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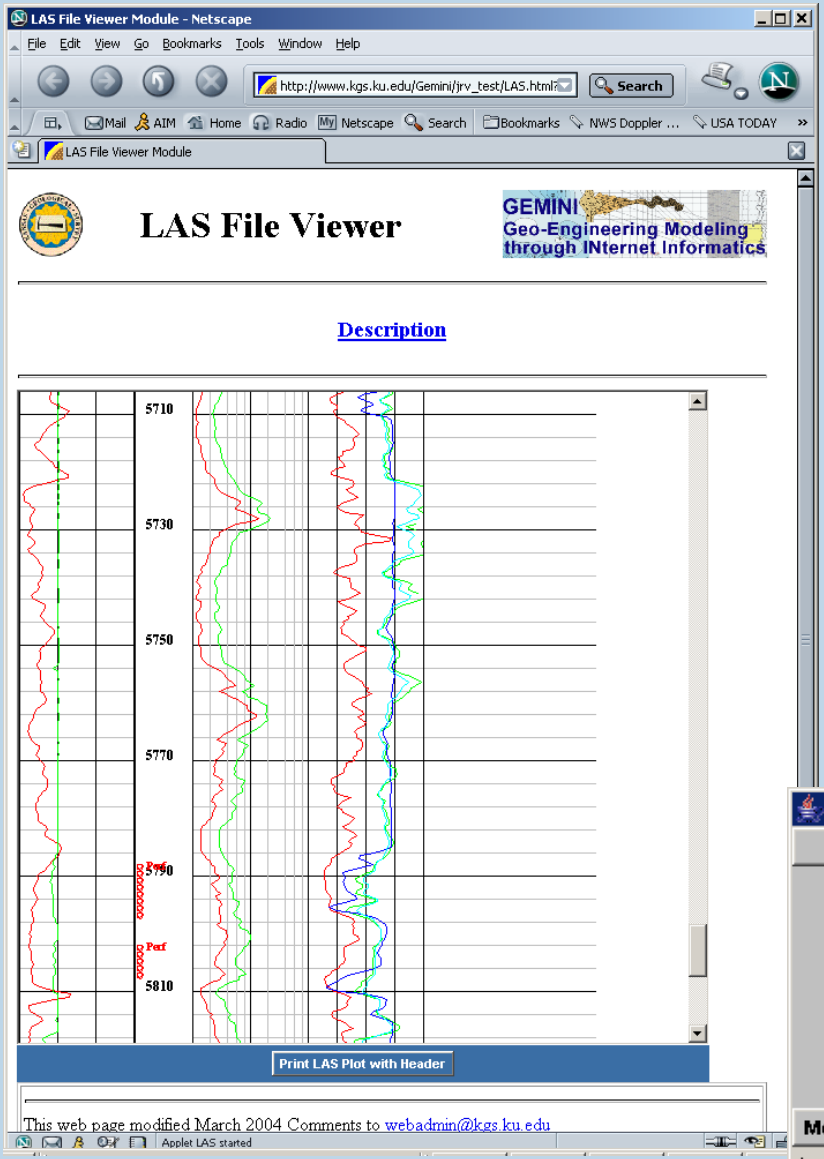

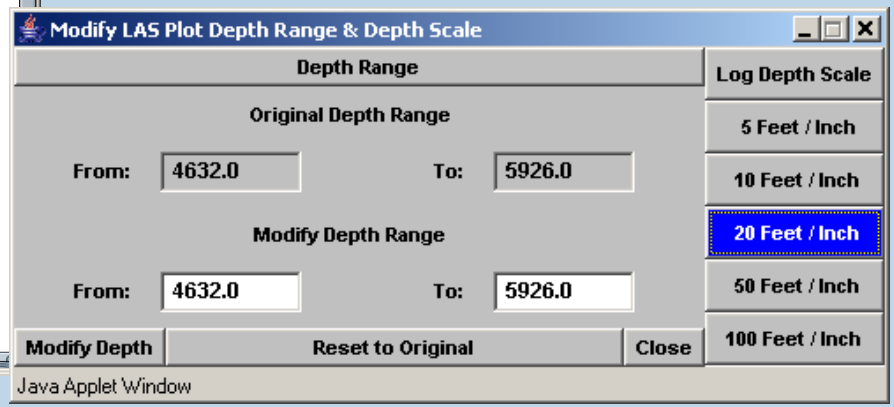

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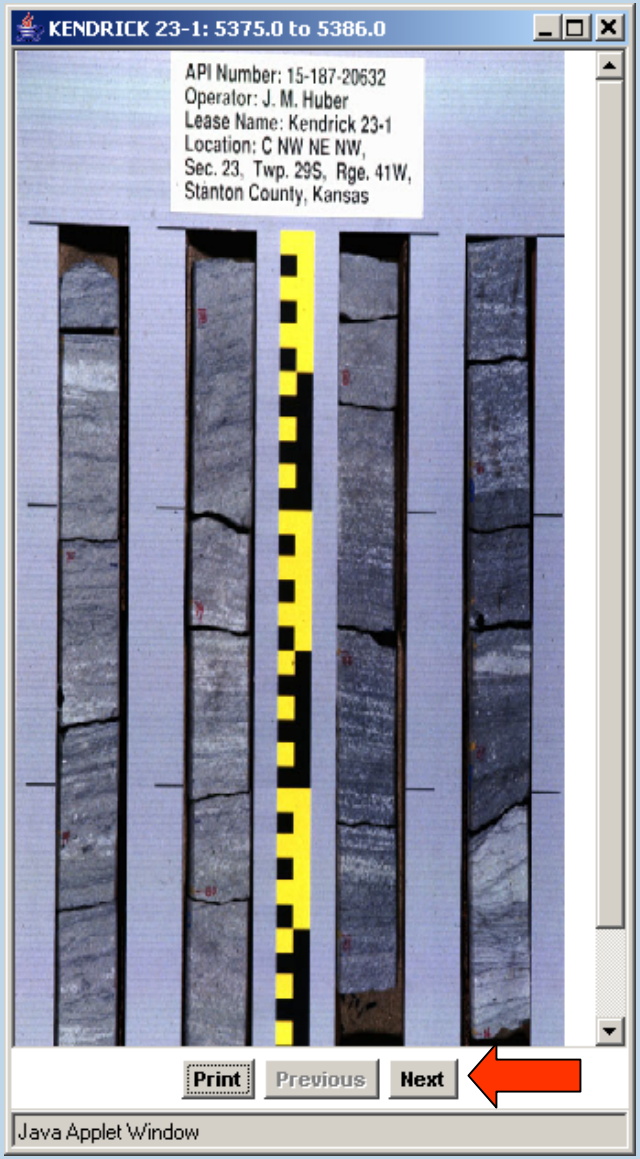
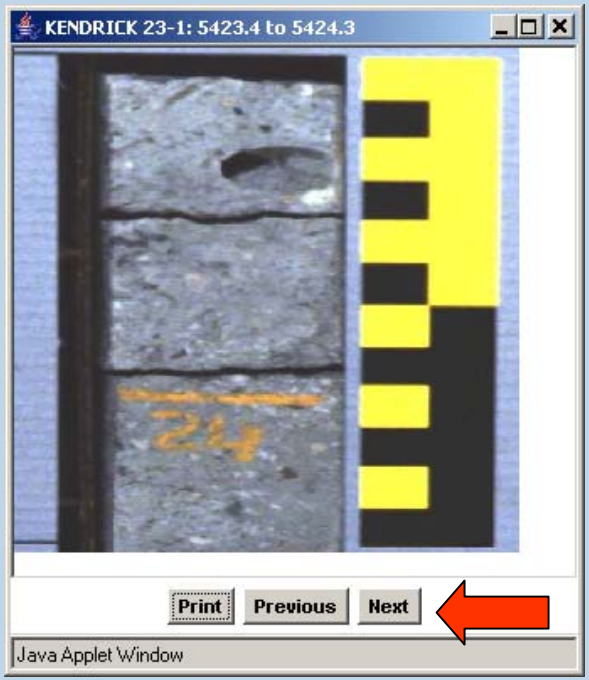


Core Images

- Interactive
  - Click on Log or Scroll Down Through Core
  - View Box Images or Close-ups



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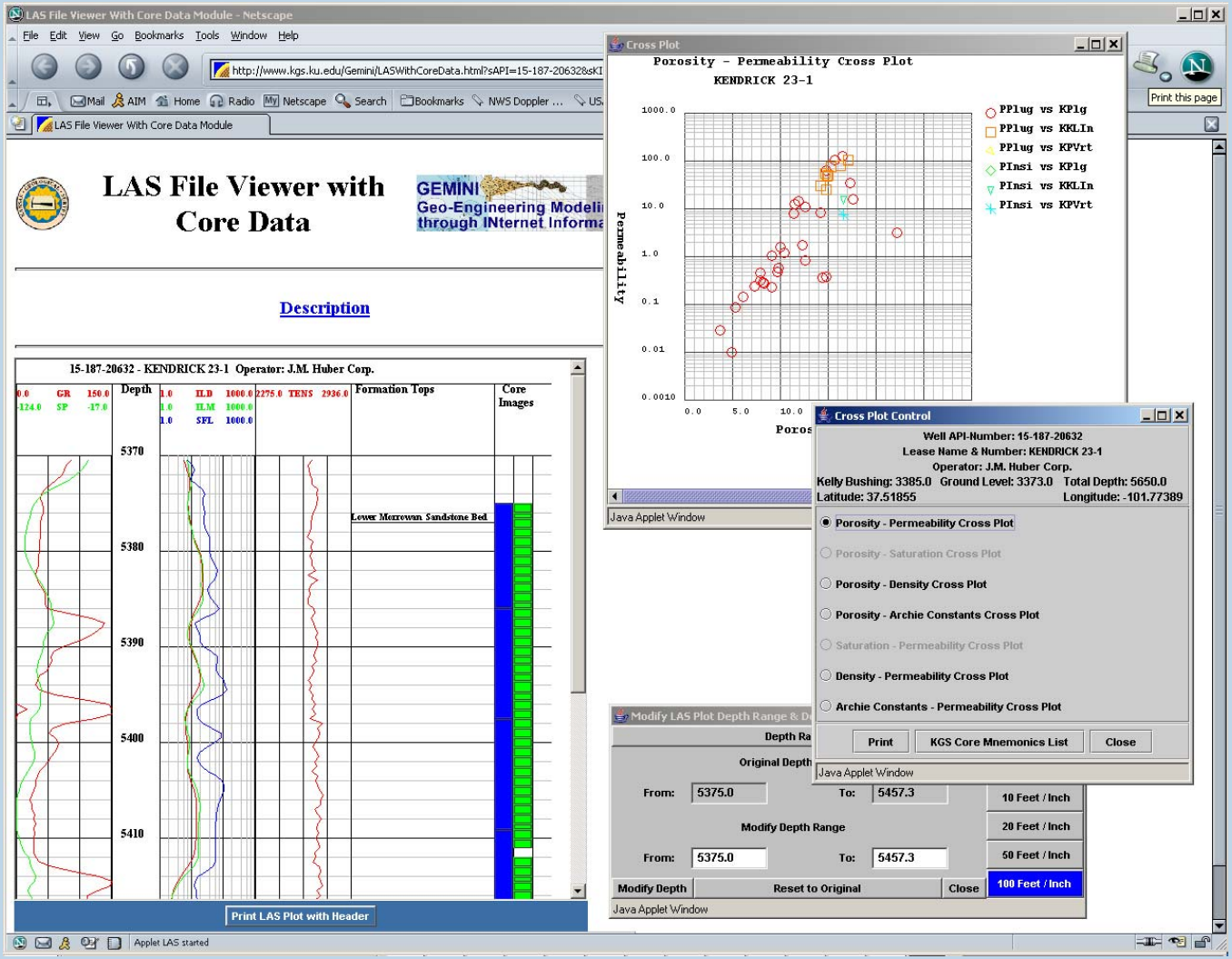
Interactive Core Data



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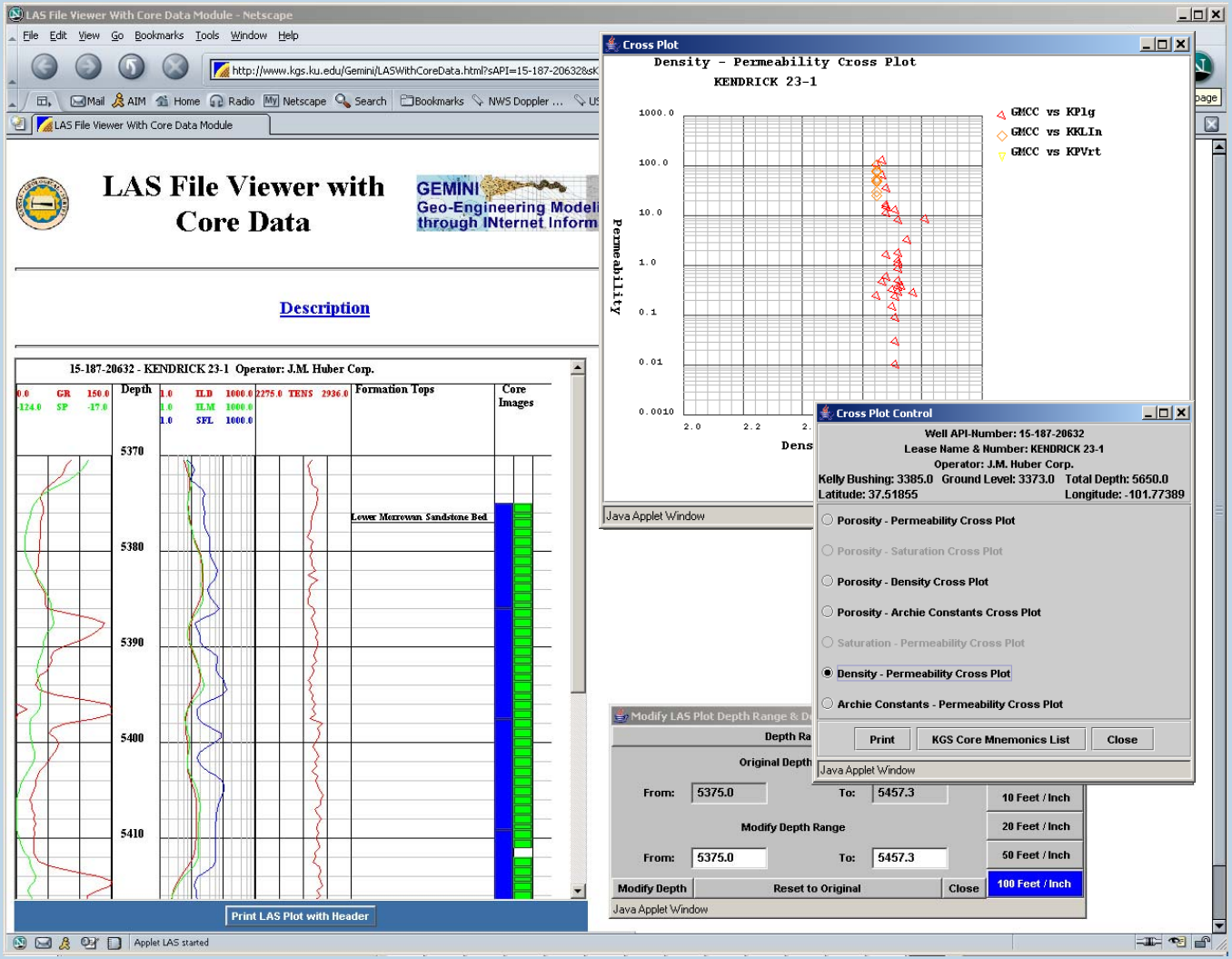

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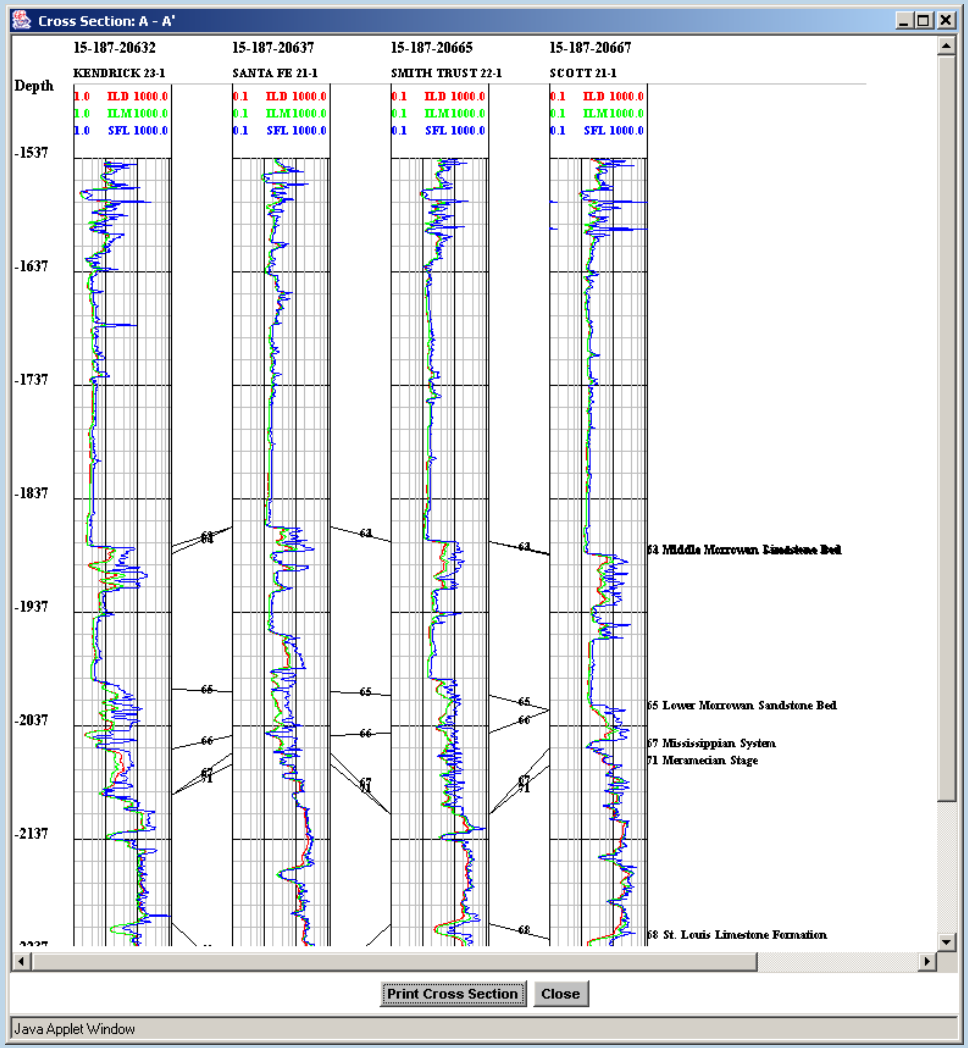
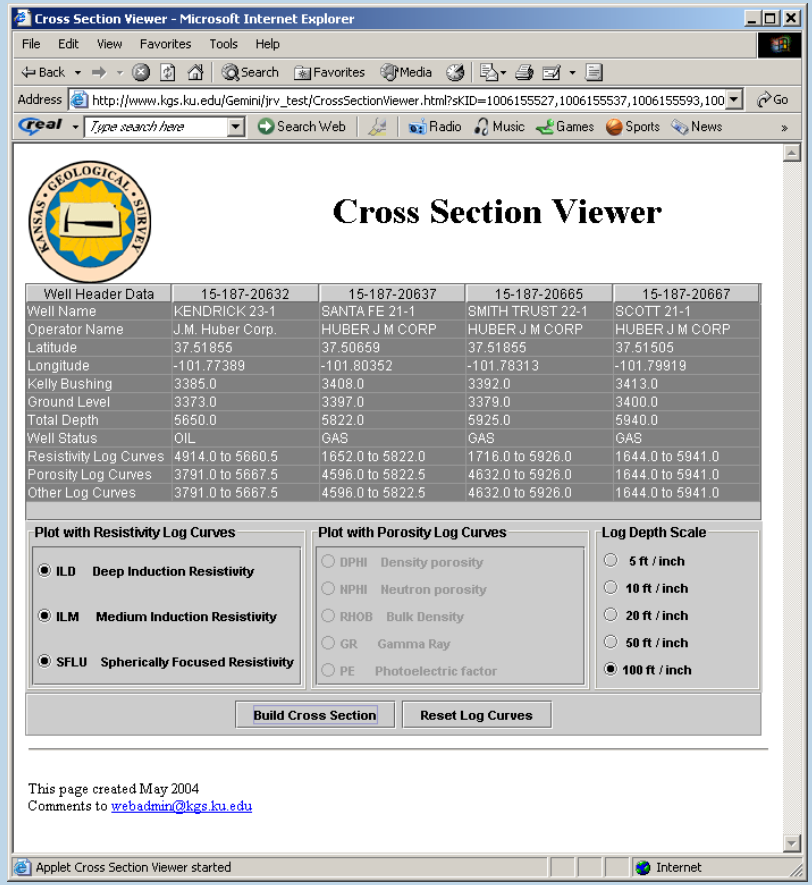
Interactive Cross-Sections





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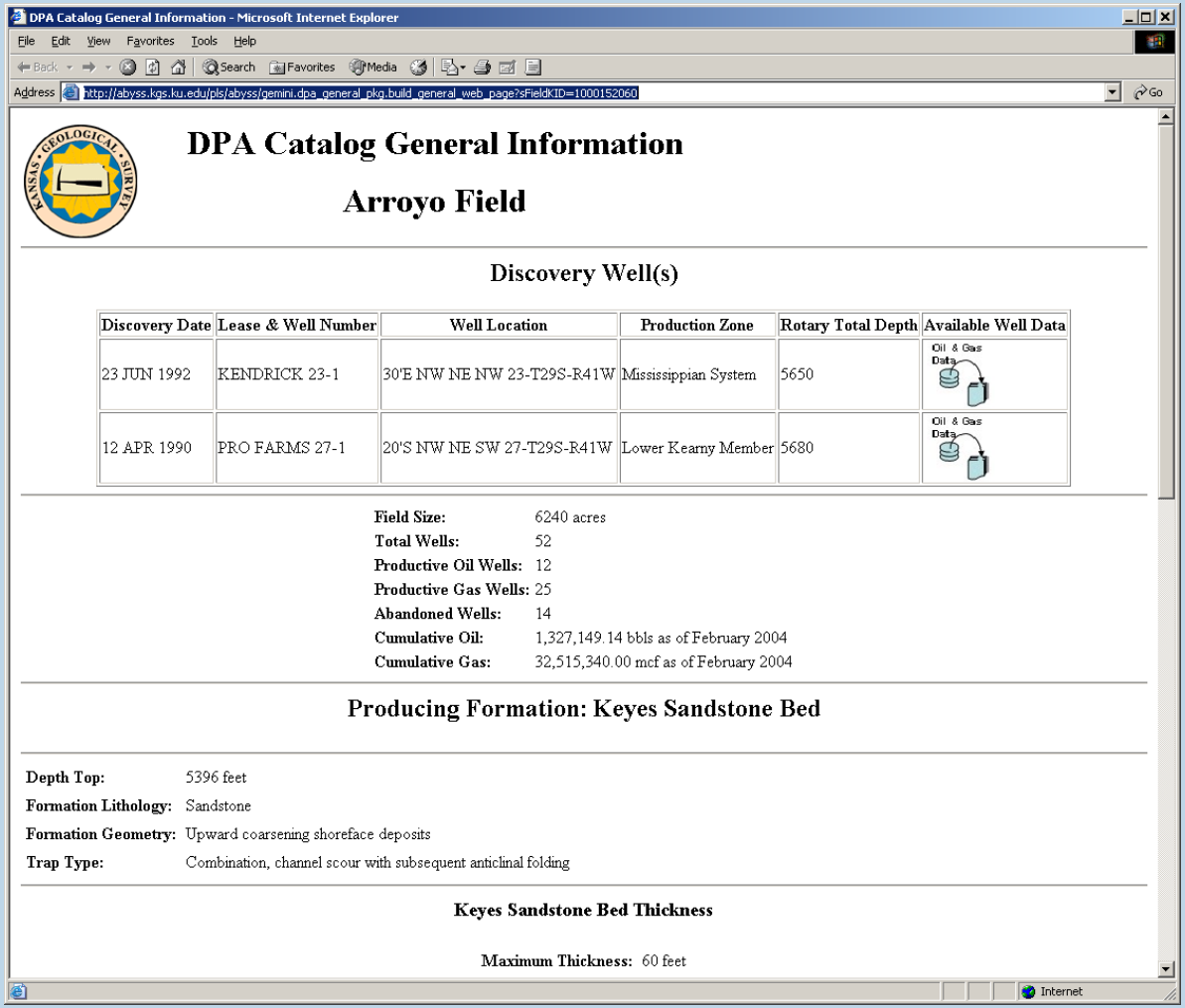
Interactive Field Data



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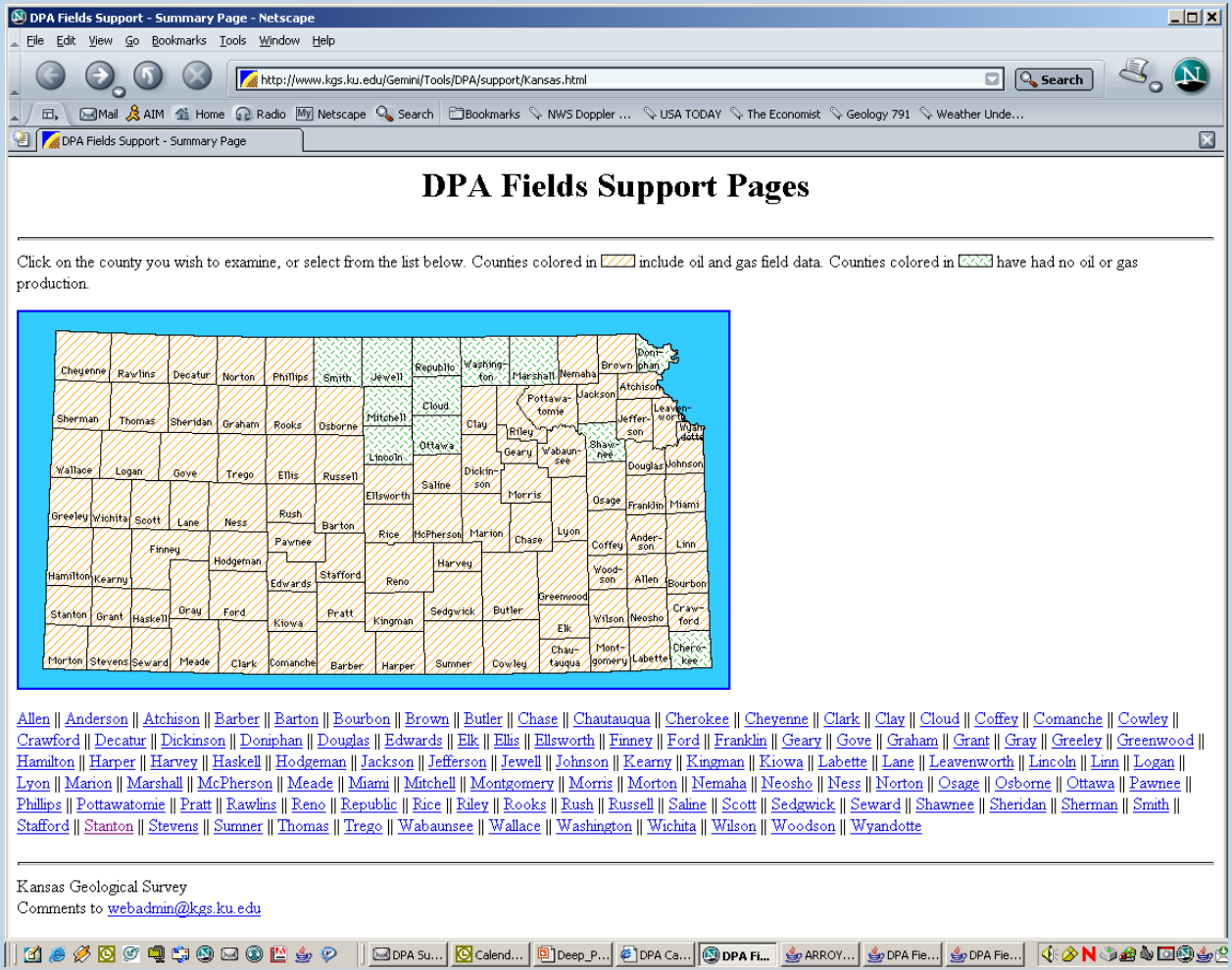
Online Status



http://www.kgs.ku.edu/Gemini/Tools/DPA/support/Kansas.html

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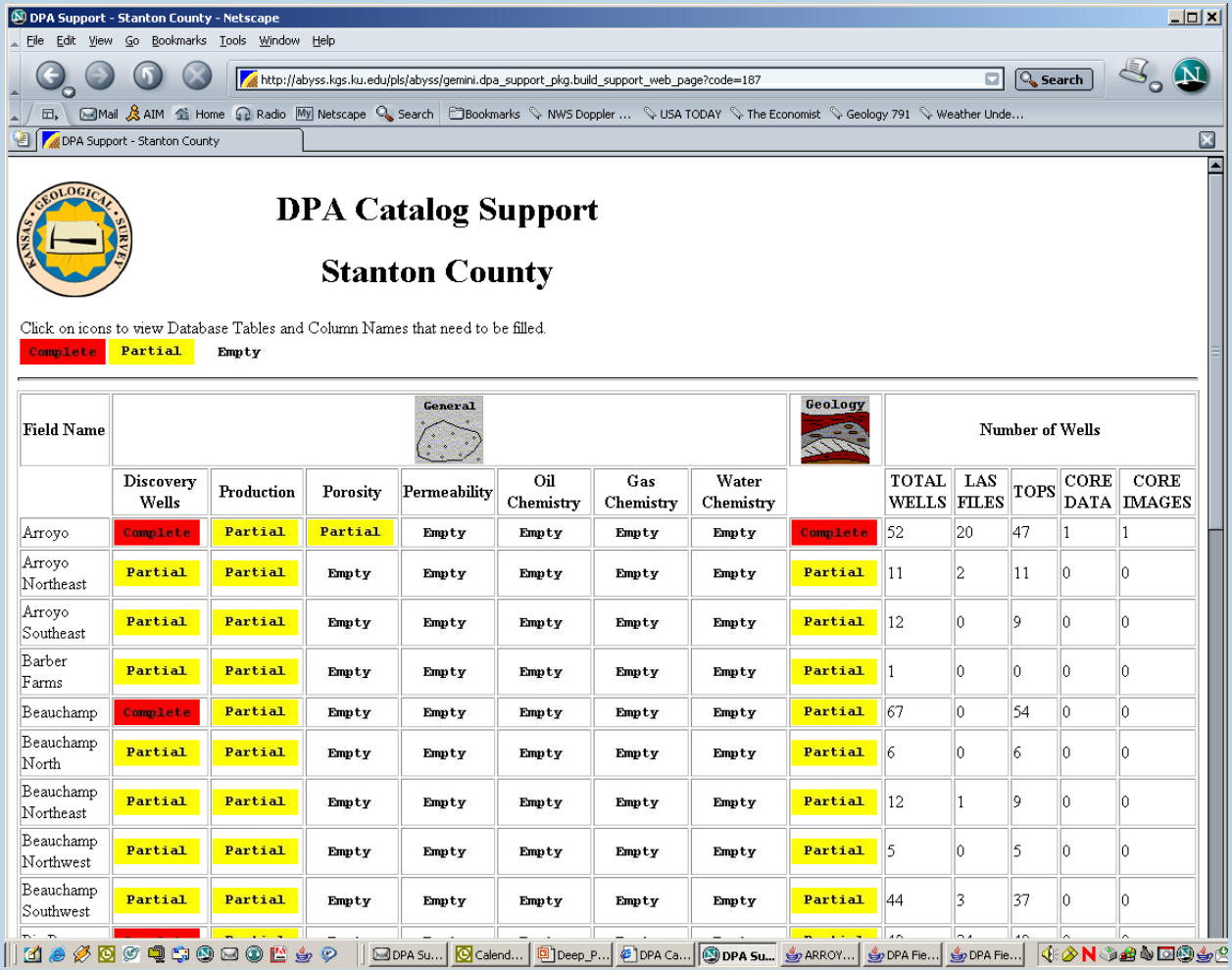

Field Name	General							Geology	Number of Wells				
	Discovery Wells	Production	Porosity	Permeability	Oil Chemistry	Gas Chemistry	Water Chemistry		TOTAL WELLS	LAS FILES	TOPS	CORE DATA	CORE IMAGES
Arroyo	Complete	Partial	Partial	Empty	Empty	Empty	Empty	Complete	52	20	47	1	1
Arroyo Northeast	Partial	Partial	Empty	Empty	Empty	Empty	Empty	Partial	11	2	11	0	0
Arroyo Southeast	Partial	Partial	Empty	Empty	Empty	Empty	Empty	Partial	12	0	9	0	0
Barber Farms	Partial	Partial	Empty	Empty	Empty	Empty	Empty	Partial	1	0	0	0	0
Beauchamp	Complete	Partial	Empty	Empty	Empty	Empty	Empty	Partial	67	0	54	0	0
Beauchamp North	Partial	Partial	Empty	Empty	Empty	Empty	Empty	Partial	6	0	6	0	0
Beauchamp Northeast	Partial	Partial	Empty	Empty	Empty	Empty	Empty	Partial	12	1	9	0	0
Beauchamp Northwest	Partial	Partial	Empty	Empty	Empty	Empty	Empty	Partial	5	0	5	0	0
Beauchamp Southwest	Partial	Partial	Empty	Empty	Empty	Empty	Empty	Partial	44	3	37	0	0

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