

The Deep Pools Atlas

DPA

The Next Generation



Digital Petroleum Atlas – Next Generation

Timeline and Goals

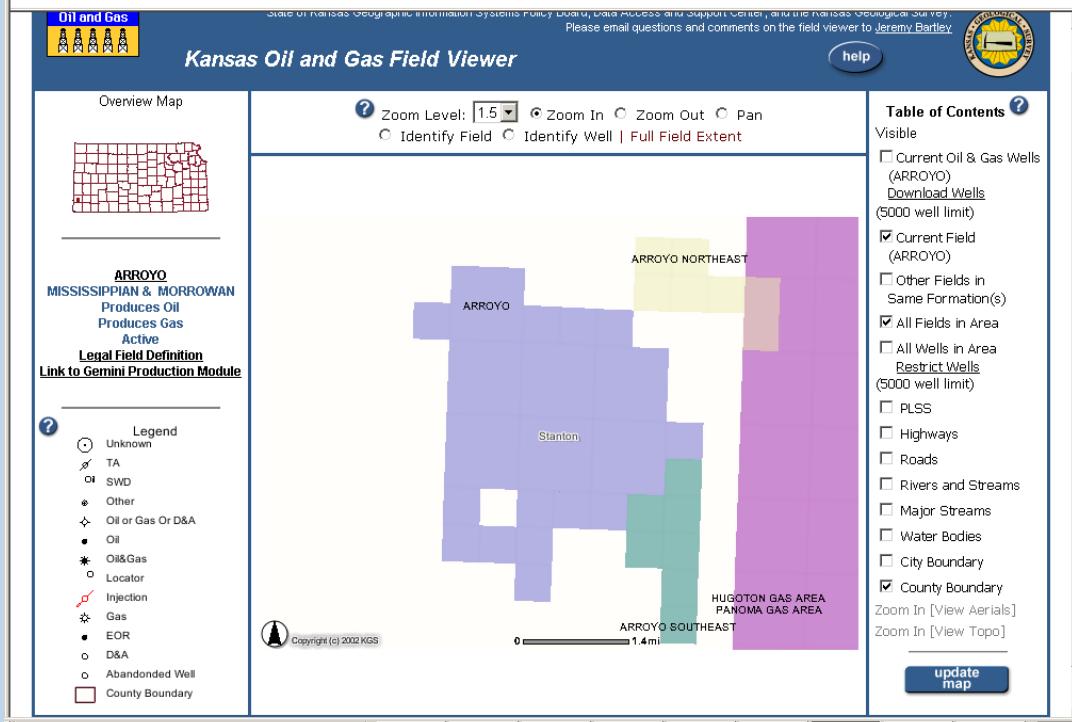
- Digital Petroleum Atlas
 - First Online Atlas of Oil and Gas Fields
- Generations
 - Generation 1 (1995-2000)
 - Static Web Pages
 - Generation 2 (Current Situation)
 - Dynamic Access to Raw Data
 - Limited Tools
 - Simple GIS Mapping and Production Plotting
 - Generation 3 (The next step)
 - Dynamic 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





DPA Catalog

Arroyo Field



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



Digital Petroleum Atlas – Next Generation



DPA Catalog

Arroyo Field



Kansas Oil and Gas Field Viewer

Please email questions and comments on the field viewer to Jeremy Bartley.

Zoom Level: 1.5 Zoom In Zoom Out Pan
 Identify Field Identify Well Full Field Extent

Table of Contents

Visible

- Current Oil & Gas Wells (ARROYO) [Download Wells](#) (5000 well limit)
- Current Field (ARROYO)
- Other Fields in Same Formation(s)
- All Fields in Area
- All Wells in Area [Restrict Wells](#) (5000 well limit)
- PLSS
- Highways
- Roads
- Rivers and Streams
- Major Streams
- Water Bodies
- City Boundary
- County Boundary
- View Aerials
- View Topo

ARROYO
MISSISSIPPIAN & MORROWAN
Produces Oil
Produces Gas
Active
[Legal Field Definition](#)
[Link to Gemini Production Module](#)

Legend

- Unknown
- TA
- SWD
- Other
- Oil or Gas Or D&A
- Oil
- Oil&Gas
- Locator
- Injection
- Gas
- EOR
- D&A
- Abandoned Well
- PLSS
- Highways

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help

ARROYO
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update map

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Kansas Oil and Gas Field Viewer

State of Kansas Geological Survey Information System (SOGIS) - Data, Tools, Services and Support Center for the Kansas Oil and Gas Industry

Please email questions and comments on the field viewer to Jeremy Bartley

help

ARROYO
MISSISSIPPIAN & MORROWAN
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Overview Map

Zoom Level: 1.5 Zoom In Zoom Out Pan
 Identify Field Identify Well | Full Field Extent

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- All Wells in Area

Restrict Wells - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Well Counts for Current Viewing Window

Total Number of Wells	62
Number of Wells with Scanned Elogs	6 <input type="checkbox"/>
Number of Wells with LAS Files	20 <input checked="" type="checkbox"/>
Number of Wells with Paper Logs	48 <input type="checkbox"/>
Number of Wells with Cores	1 <input type="checkbox"/>
Number of Wells with DSTS	5 <input type="checkbox"/>

Highlight Wells

Done Internet

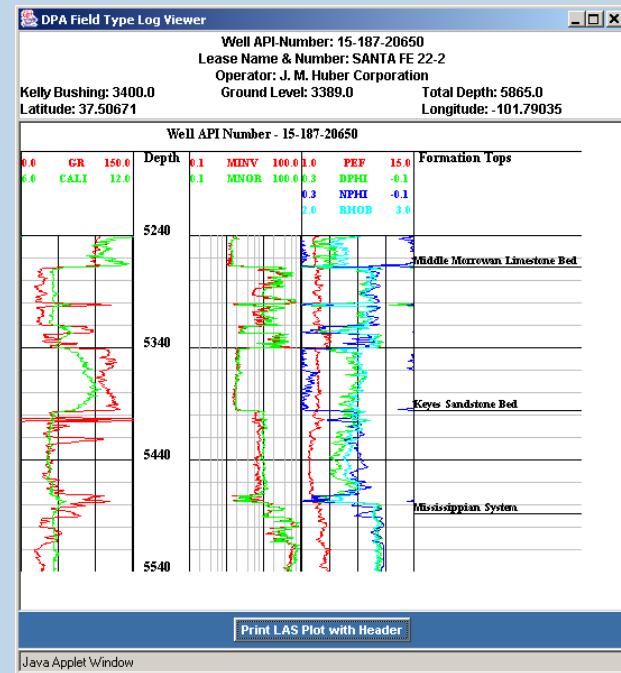
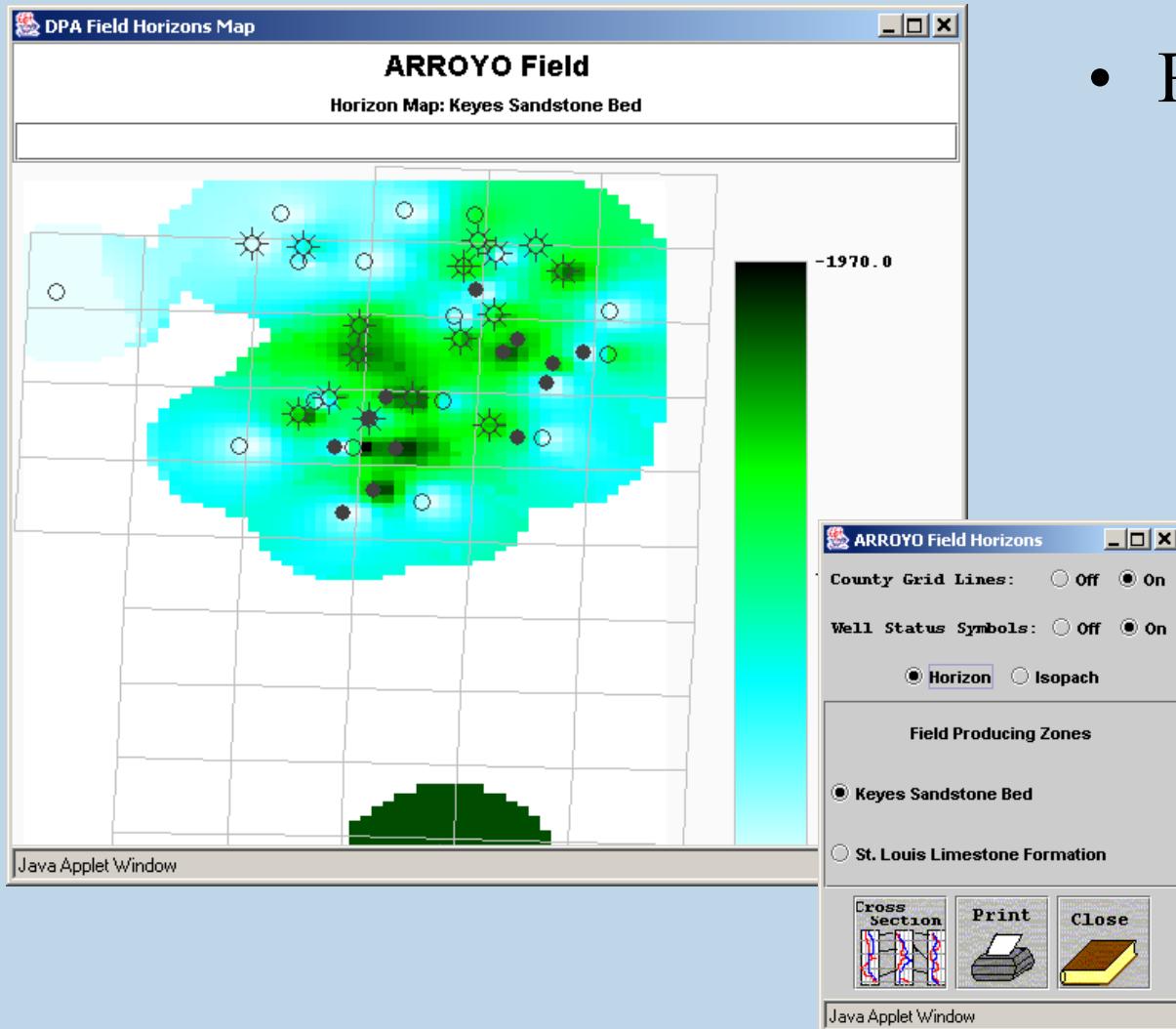
http://www.kgs.ku.edu/Gemini/jrv_test/DPACatalogA.html?sField=Arroyo&sKID=1000152060



Digital Petroleum Atlas – Next Generation

Map Viewer

- Real-time Mapping
Multiple Horizons
Structure & Isopach
Type Log

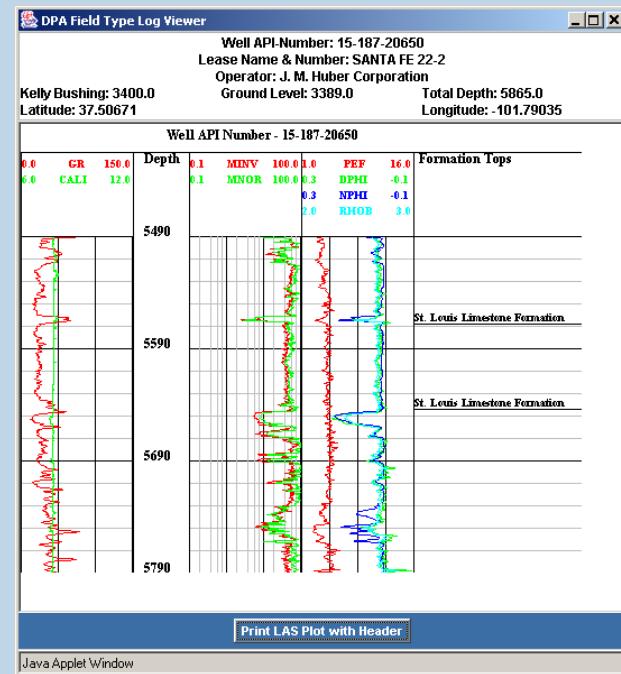
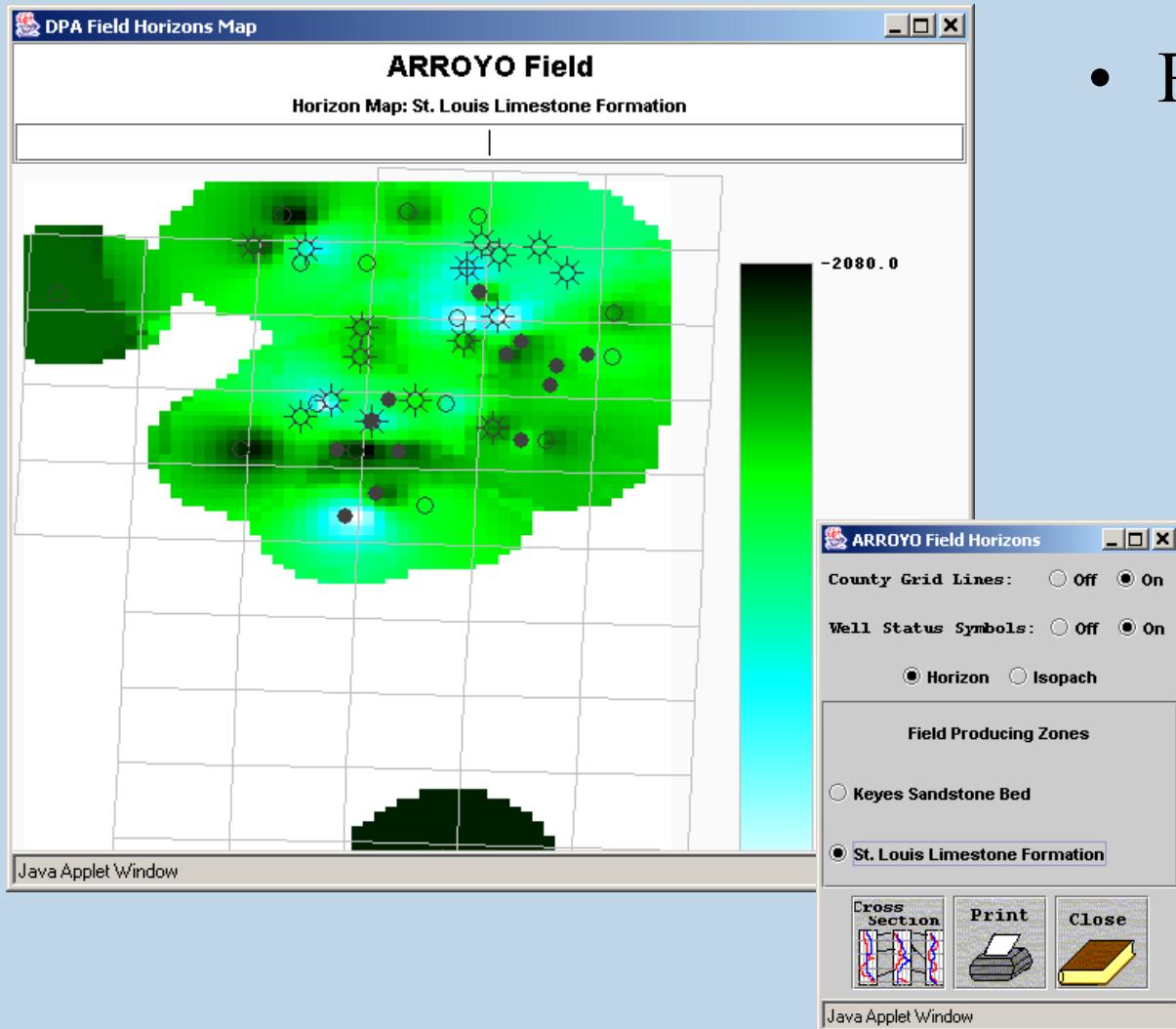


http://www.kgs.ku.edu/Gemini/jrv_test/DPACatalogA.html?sField=Arroyo&sKID=1000152060



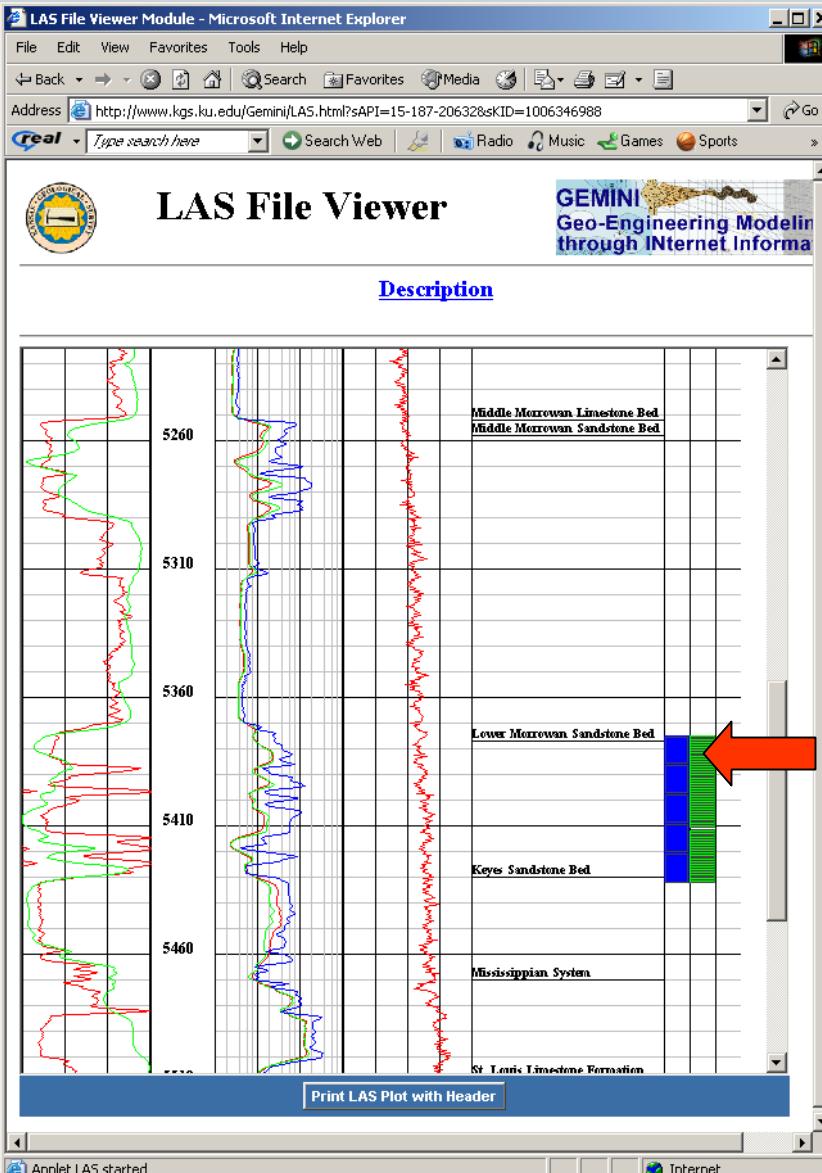
Map Viewer

- Real-time Mapping
Multiple Horizons
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Type Log



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





Log & Core Viewer

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

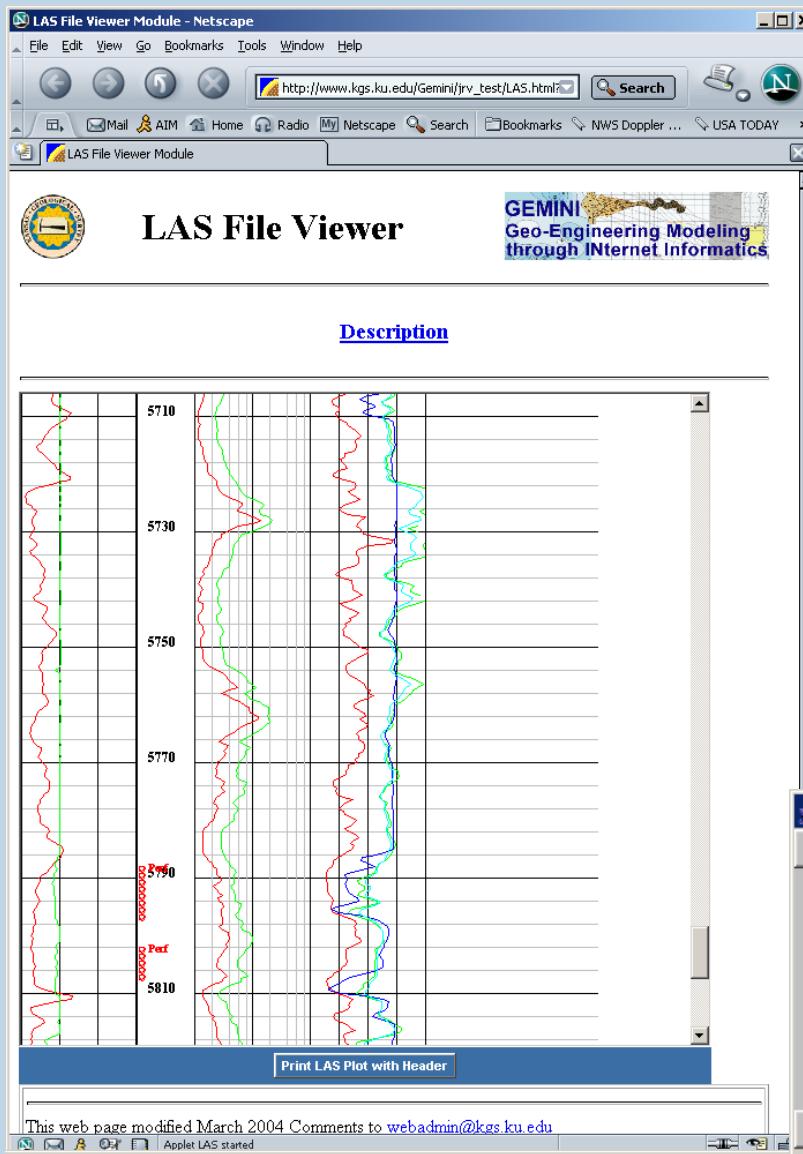
Modify LAS Plot Depth Range & Depth Scale

Depth Range		Log Depth Scale
Original Depth Range		
From:	4914.0	To: 5660.5
Modify Depth Range		
From:	4914.0	To: 5660.5
Modify Depth		Reset to Original
		Close

Java Applet Window

<http://www.kgs.ku.edu/Gemini/Tools/DPA/DPACatalogA.html?sField=Arroyo&sKID=1000152060>





Log & Core Viewer

- Interactive
Adjust Scale
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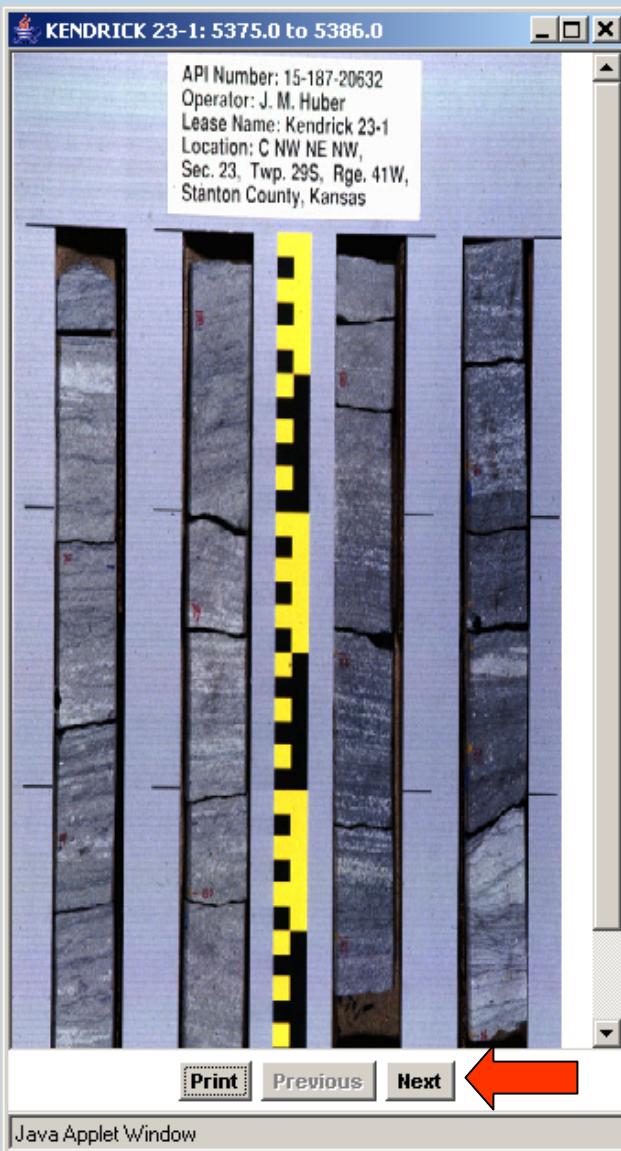
Modify LAS Plot Depth Range & Depth Scale

Depth Range		Log Depth Scale
Original Depth Range		
From:	4632.0	To: 5926.0
Modify Depth Range		
From:	4632.0	To: 5926.0
Modify Depth		Reset to Original
		Close
		100 Feet / Inch
		50 Feet / Inch
		20 Feet / Inch
		10 Feet / Inch
		5 Feet / Inch

Java Applet Window

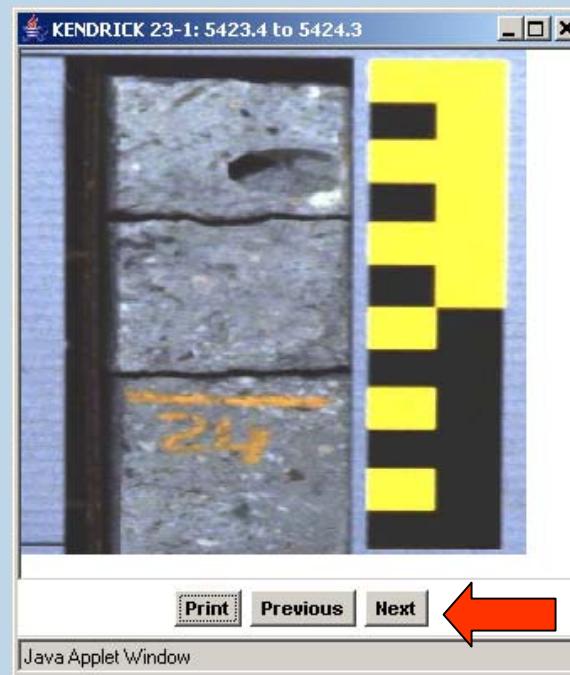
<http://www.kgs.ku.edu/Gemini/Tools/DPA/DPACatalogA.html?sField=Arroyo&sKID=1000152060>





Core Images

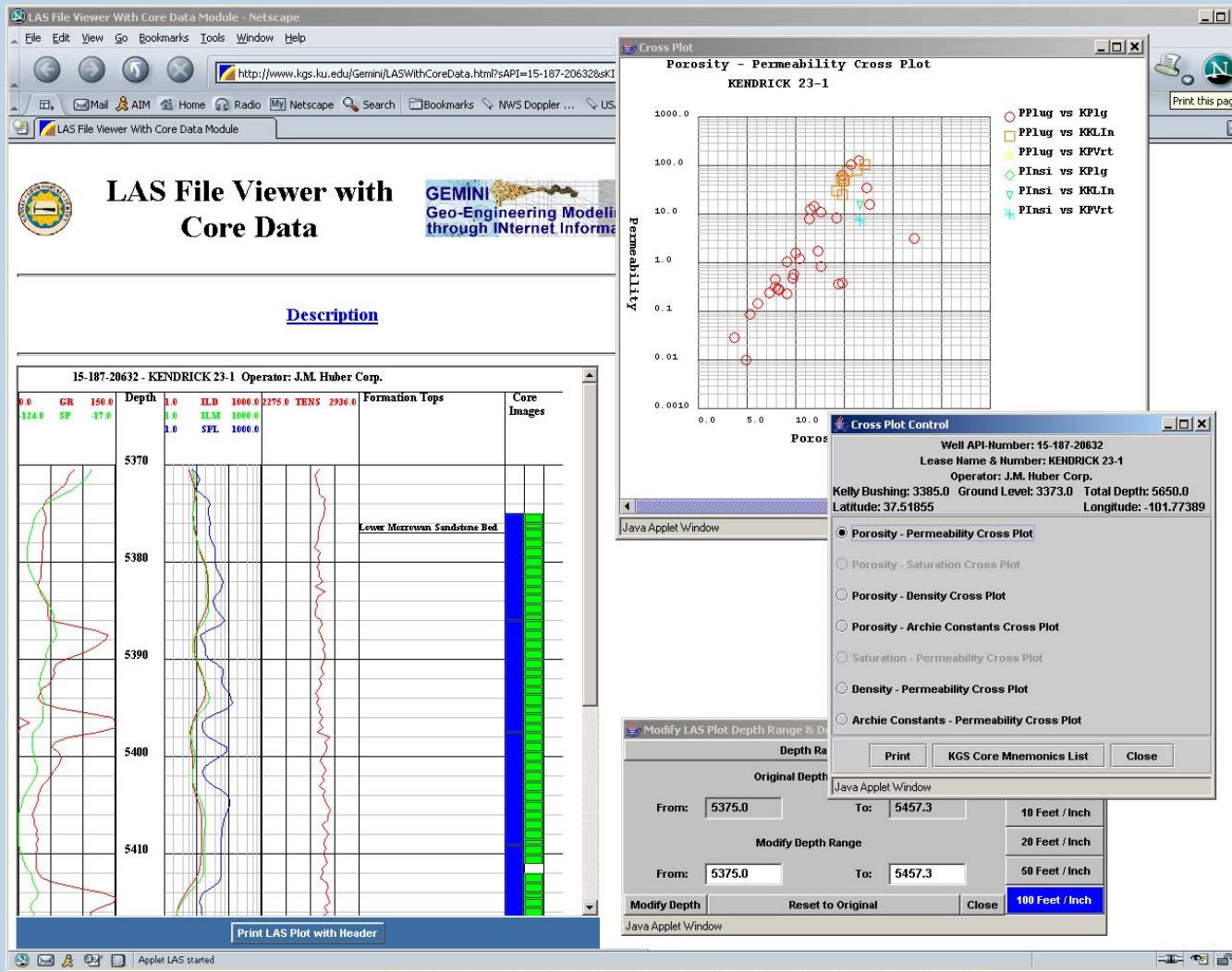
- Interactive
Click on Log or Scroll Down Through Core
View Box Images or Close-ups



<http://www.kgs.ku.edu/Gemini/Tools/DPA/DPACatalogA.html?sField=Arroyo&sKID=1000152060>



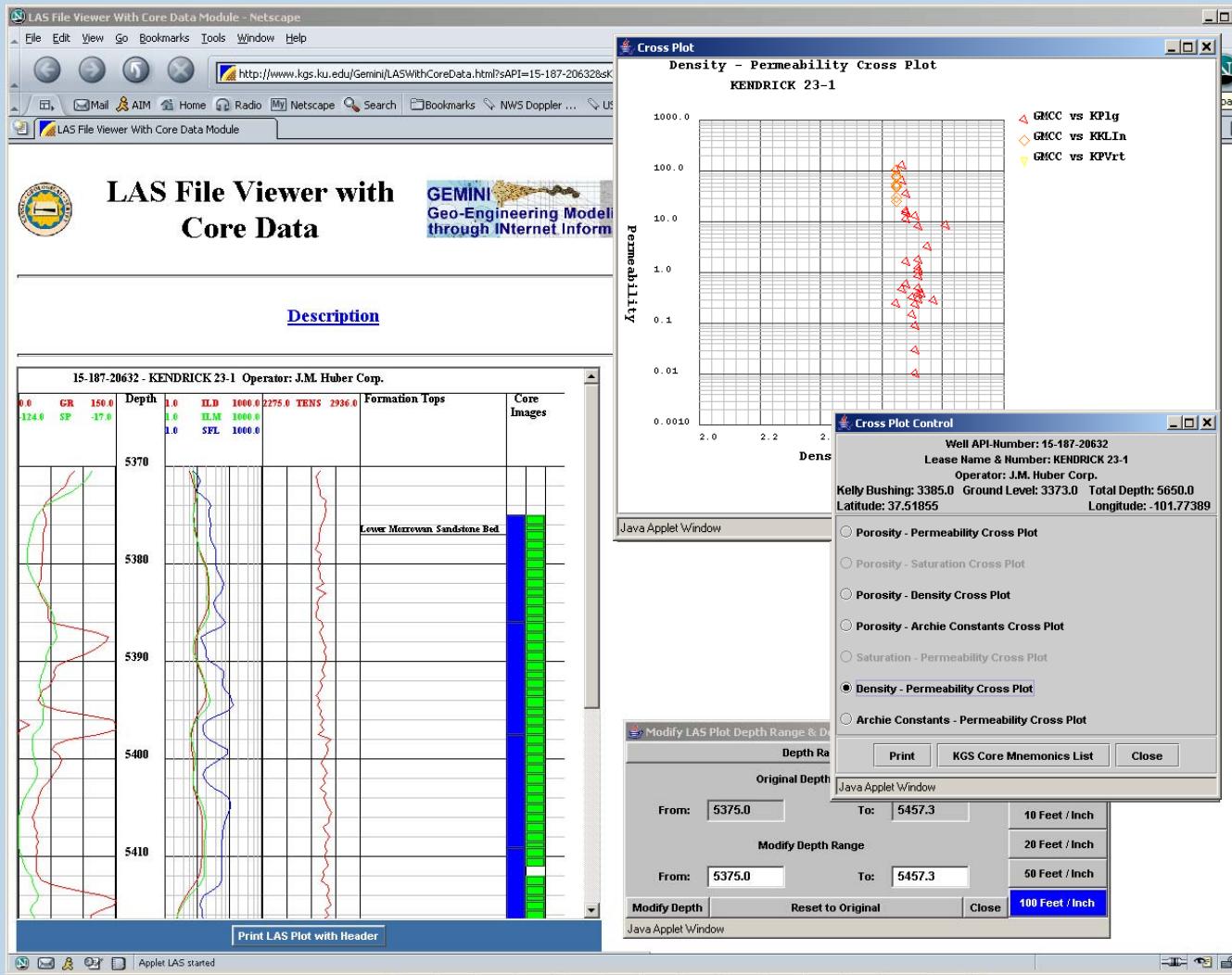
Interactive Core Data



<http://www.kgs.ku.edu/Gemini/Tools/DPA/DPACatalogA.html?sField=Arroyo&sKID=1000152060>



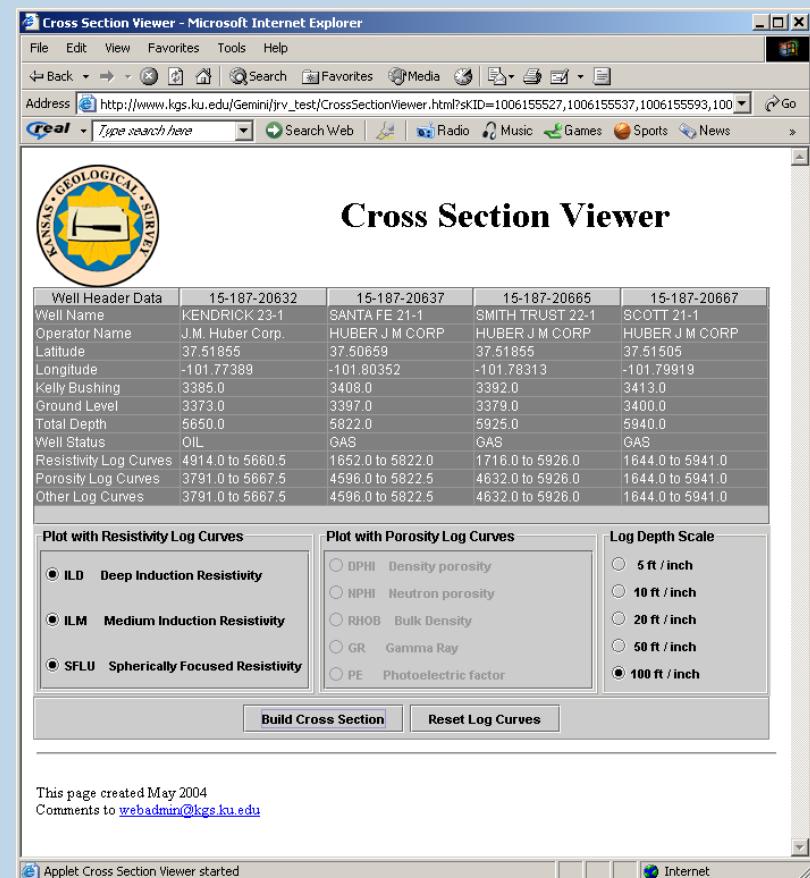
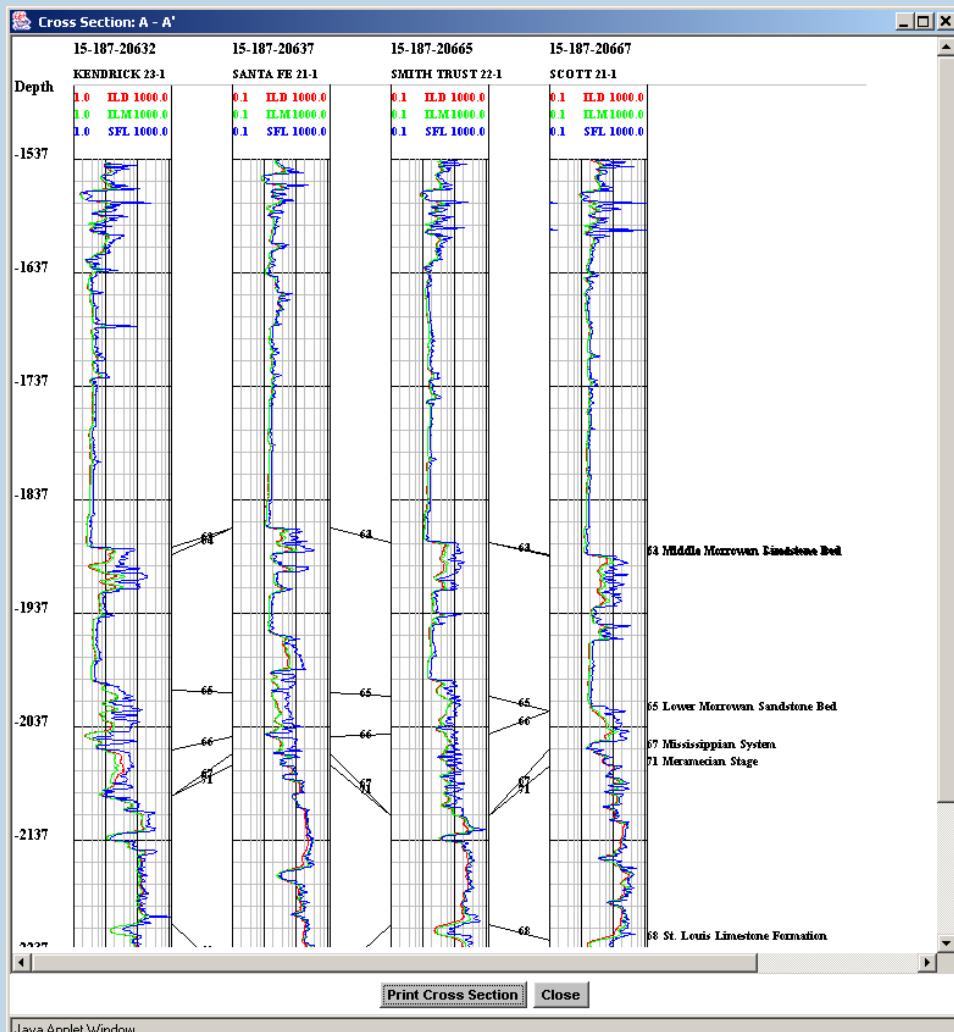
Interactive Core Data



<http://www.kgs.ku.edu/Gemini/Tools/DPA/DPACatalogA.html?sField=Arroyo&sKID=1000152060>



Interactive Cross-Sections



<http://www.kgs.ku.edu/Gemini/Tools/DPA/DPACatalogA.html?sField=Arroyo&sKID=1000152060>

Digital Petroleum Atlas – Next Generation

Interactive Field Data

DPA Catalog General Information - Microsoft Internet Explorer

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Back Forward Stop Search Favorites Media Print

Address http://abyss.kgs.ku.edu/pls/abyss/gemini.dpa_general_pkg.build_general_web_page?FieldID=1000152060 Go

DPA Catalog General Information

Arroyo Field

Discovery Well(s)

Discovery Date	Lease & Well Number	Well Location	Production Zone	Rotary Total Depth	Available Well Data
23 JUN 1992	KENDRICK 23-1	30°E NW NE NW 23-T29S-R41W	Mississippian System	5650	
12 APR 1990	PRO FARMS 27-1	20°S NW NE SW 27-T29S-R41W	Lower Kearny Member	5680	

Field Size: 6240 acres
Total Wells: 52
Productive Oil Wells: 12
Productive Gas Wells: 25
Abandoned Wells: 14
Cumulative Oil: 1,327,149.14 bbls as of February 2004
Cumulative Gas: 32,515,340.00 mcf as of February 2004

Producing Formation: Keyes Sandstone Bed

Depth Top: 5396 feet
Formation Lithology: Sandstone
Formation Geometry: Upward coarsening shoreface deposits
Trap Type: Combination, channel scour with subsequent anticlinal folding

Keyes Sandstone Bed Thickness

Maximum Thickness: 60 feet

<http://www.kgs.ku.edu/Gemini/Tools/DPA/DPACatalogA.html?sField=Arroyo&sKID=1000152060>



Online Status

DPA Fields Support - Summary Page - Netscape

File Edit View Go Bookmarks Tools Window Help

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

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DPA Fields Support - Summary Page

DPA Fields Support Pages

Click on the county you wish to examine, or select from the list below. Counties colored in include oil and gas field data. Counties colored in have had no oil or gas production.

[Allen](#) || [Anderson](#) || [Atchison](#) || [Barber](#) || [Barton](#) || [Bourbon](#) || [Brown](#) || [Butler](#) || [Chase](#) || [Chautauqua](#) || [Cherokee](#) || [Cheyenne](#) || [Clark](#) || [Clay](#) || [Cloud](#) || [Coffey](#) || [Comanche](#) || [Cowley](#) || [Crawford](#) || [Decatur](#) || [Dickinson](#) || [Doniphan](#) || [Douglas](#) || [Edwards](#) || [Ellis](#) || [Ellsworth](#) || [Finney](#) || [Ford](#) || [Franklin](#) || [Geary](#) || [Gove](#) || [Graham](#) || [Grant](#) || [Gray](#) || [Greeley](#) || [Greenwood](#) || [Hamilton](#) || [Harper](#) || [Harvey](#) || [Haskell](#) || [Hodgeman](#) || [Jackson](#) || [Jefferson](#) || [Jewell](#) || [Johnson](#) || [Kearny](#) || [Kingman](#) || [Kiowa](#) || [Labelle](#) || [Leavenworth](#) || [Lincoln](#) || [Linn](#) || [Logan](#) || [Lyon](#) || [Marion](#) || [Marshall](#) || [McPherson](#) || [Meade](#) || [Miami](#) || [Mitchell](#) || [Montgomery](#) || [Morris](#) || [Morton](#) || [Nemaha](#) || [Ness](#) || [Norton](#) || [Osage](#) || [Osborne](#) || [Ottawa](#) || [Pawnee](#) || [Phillips](#) || [Pottawatomie](#) || [Pratt](#) || [Rawlins](#) || [Reno](#) || [Republic](#) || [Rice](#) || [Riley](#) || [Rooks](#) || [Saline](#) || [Scott](#) || [Sedgwick](#) || [Seward](#) || [Shawnee](#) || [Sheridan](#) || [Sherman](#) || [Smith](#) || [Stafford](#) || [Stanton](#) || [Stevens](#) || [Sumner](#) || [Trego](#) || [Wabaunsee](#) || [Wallace](#) || [Washington](#) || [Wichita](#) || [Wilson](#) || [Woodson](#) || [Wyandotte](#)

Kansas Geological Survey
Comments to webadmin@kgs.ku.edu

[DPA Su...](#) [Calend...](#) [Deep_P...](#) [DPA Ca...](#) [DPA Fi...](#) [ARROY...](#) [DPA Fil...](#) [DPA Fil...](#) [DPA Fil...](#)

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



Digital Petroleum Atlas – Next Generation

Online Status

DPA Support - Stanton County - Netscape

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DPA Support - Stanton County

DPA Catalog Support

Stanton County

Click on icons to view Database Tables and Column Names that need to be filled.

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

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

