Online Development of New Kansas Type Logs by

Paul Gerlach, Consultant, Miramar, Florida

Email: pgerlach@charterconsulting.biz

Website: www.charterconsulting.biz

John Victorine, Kansas Geological Survey, Lawrence, Kansas

Email: jvictor@neptune.kgs.ku.edu

Website: www.kgs.ku.edu

Why Type Logs in Kansas? Isn't Kansas all layer-cake and flat?

MESOZOIC									CENOZOIC			
TRIASSIC			JURASSIC			(CRETACEOUS		TERTIARY QUATERNARY			
Lower	Middle	Upper	Lower	Middle	Upper	Comanchean	Gulfian	Paleocene	Eocene Oligocene Miocene Pliocene Pleistocene			

		PALEOZOIC													
	DEVONIAN			MISSISSIPPIAN			PENNSYLVANIAN				PERMIAN				
Lower	Middle	Upper	Kinderhookian	Osogian	Meramecian	Chesteran	Morrowan	Atokan	Desmoinesian	Missourian	Virgilion	Wolfcampian	Leonardian	Guadalupian	Ochean

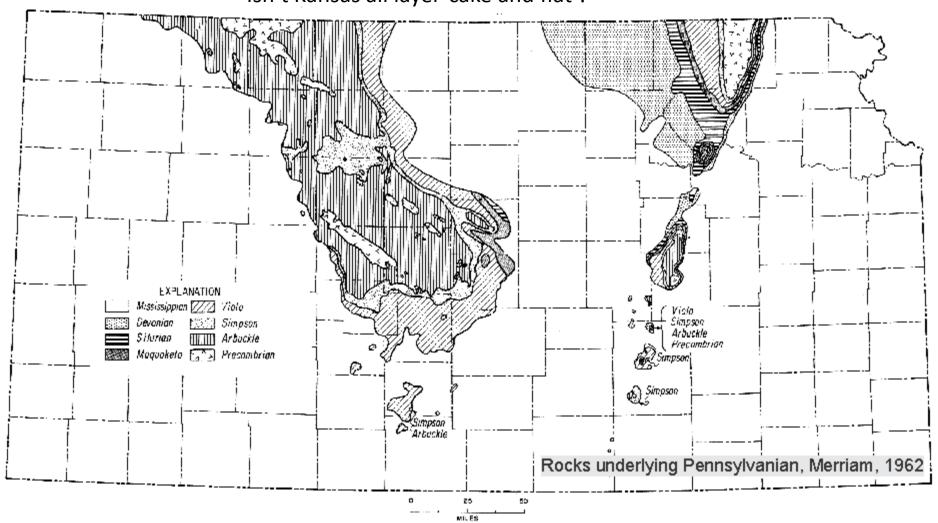
PRECAMBRIAN							PALEO	ZOIC	
Not t		CAMBRIAN			ORDOVICIAN			SILURIAN	
0 0	Lower	Middle	Upper	Conodian	Champlainian	Cincinnation	Lower	Niogaran	Cayugan
								illi,	

Present

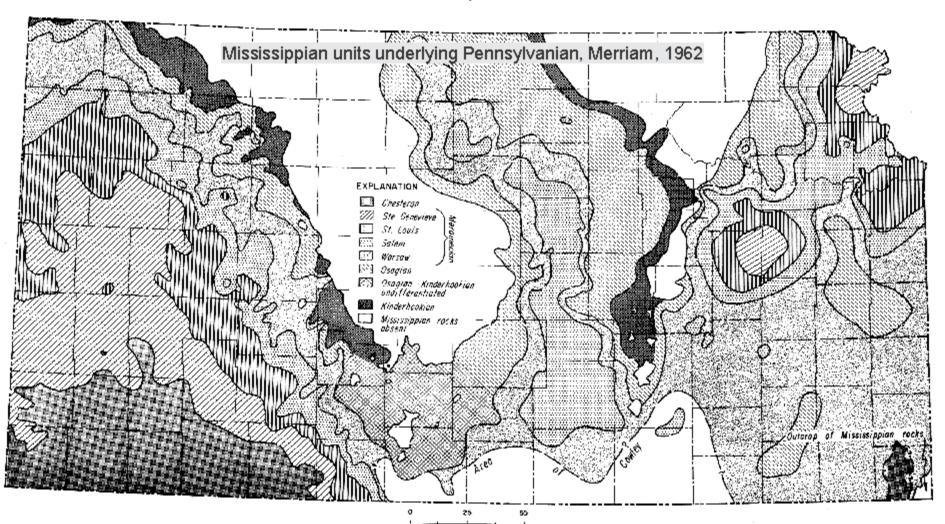
Absent

Chart of Geologic Time showing units present & absent, Merriam, 1962

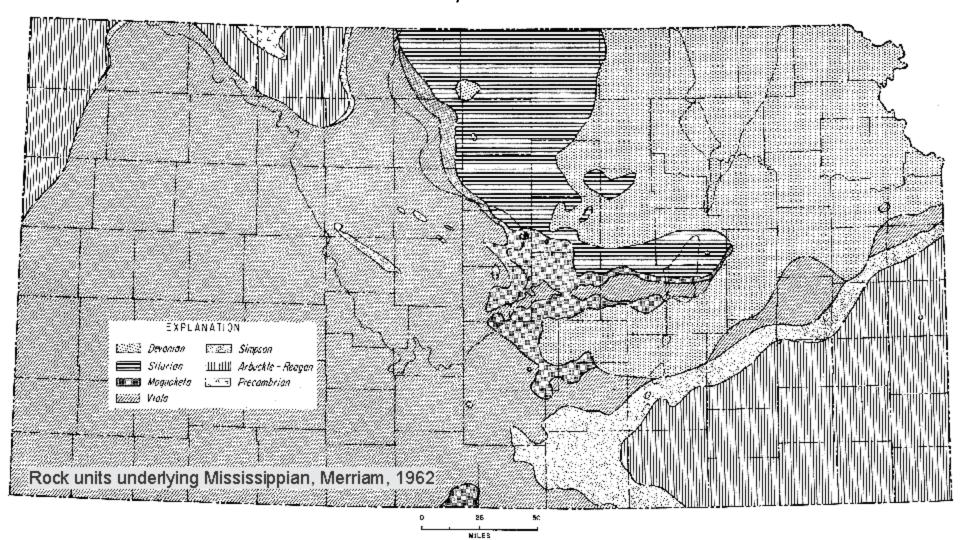
Why Type Logs in Kansas?
Isn't Kansas all layer-cake and flat?



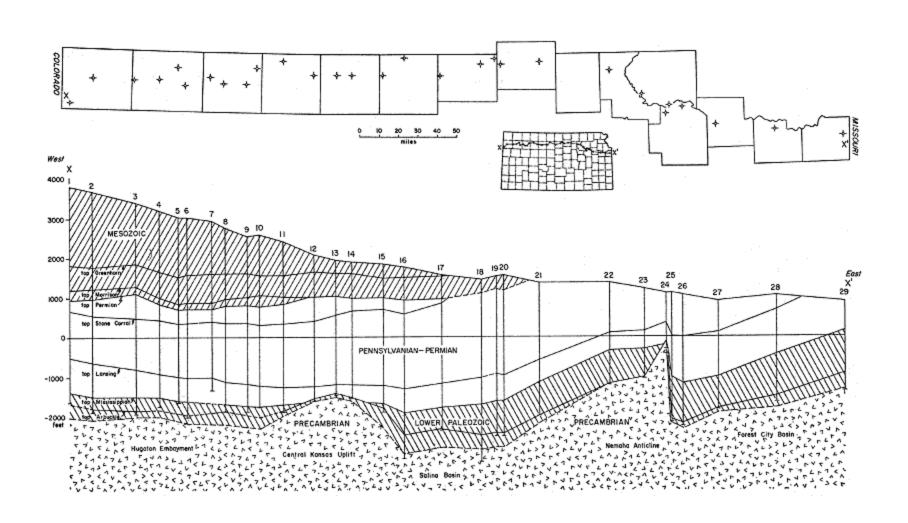
Why Type Logs in Kansas?
Isn't Kansas all layer-cake and flat?



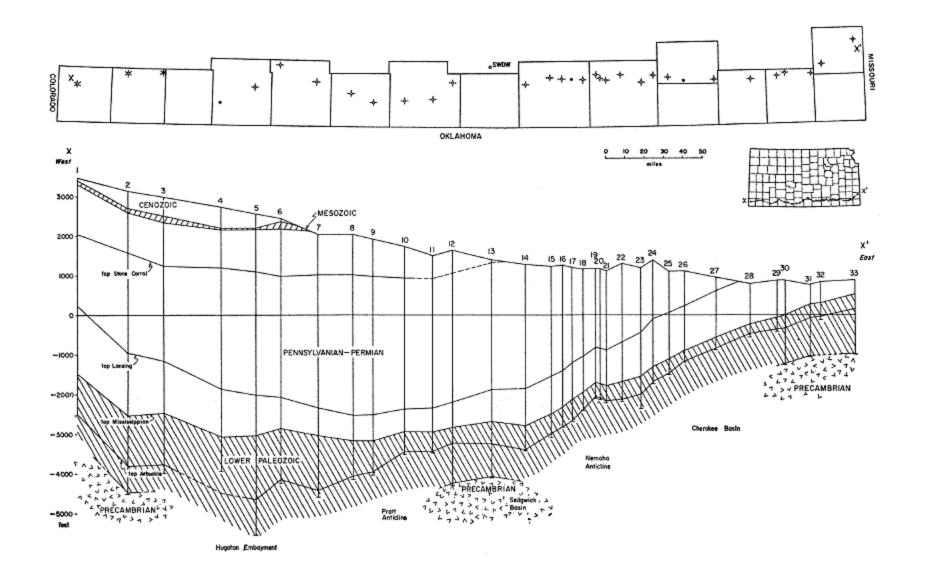
Why Type Logs in Kansas?
Isn't Kansas all layer-cake and flat?



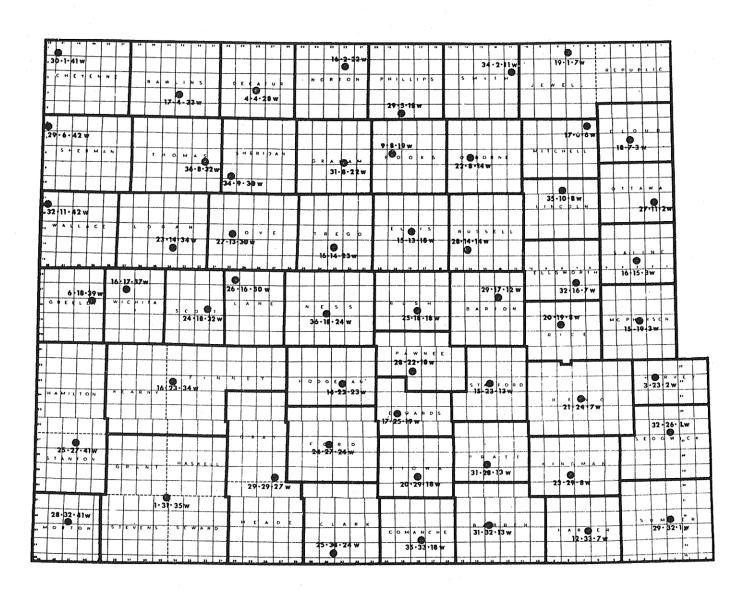
Why Type Logs in Kansas? Isn't Kansas all layer-cake and flat?



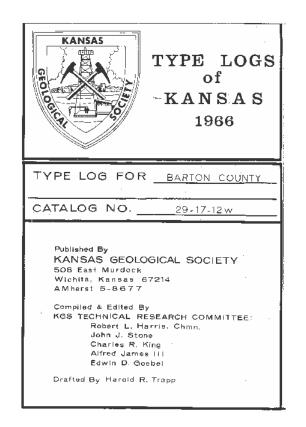
Why Type Logs in Kansas? Isn't Kansas all layer-cake and flat?

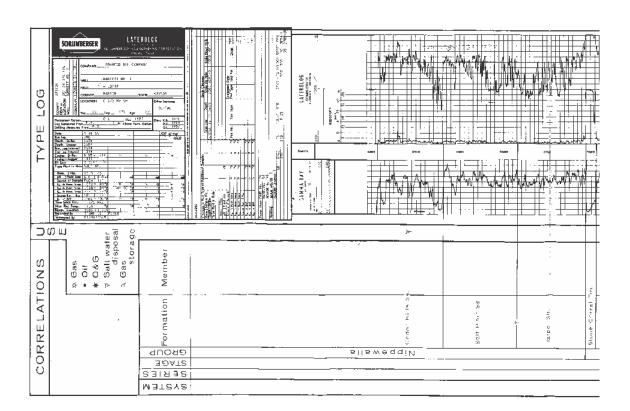


Current Status of Type Logs Counties with Current Type Logs

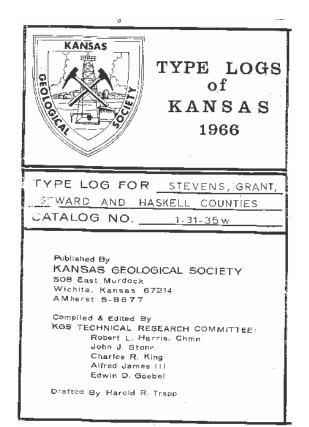


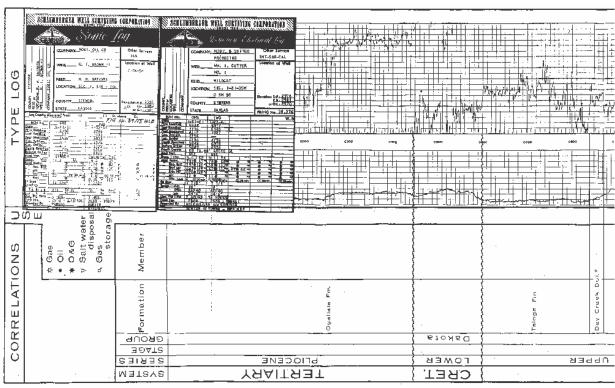
Current Format of Type Logs



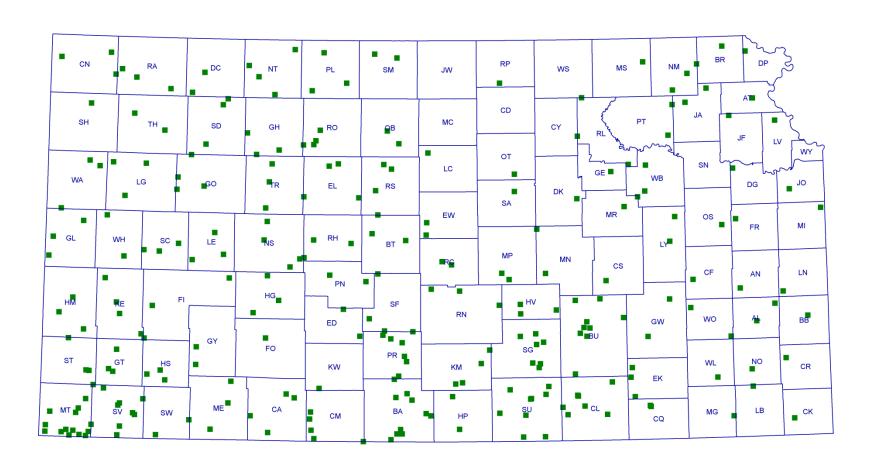


Current Format of Type Logs

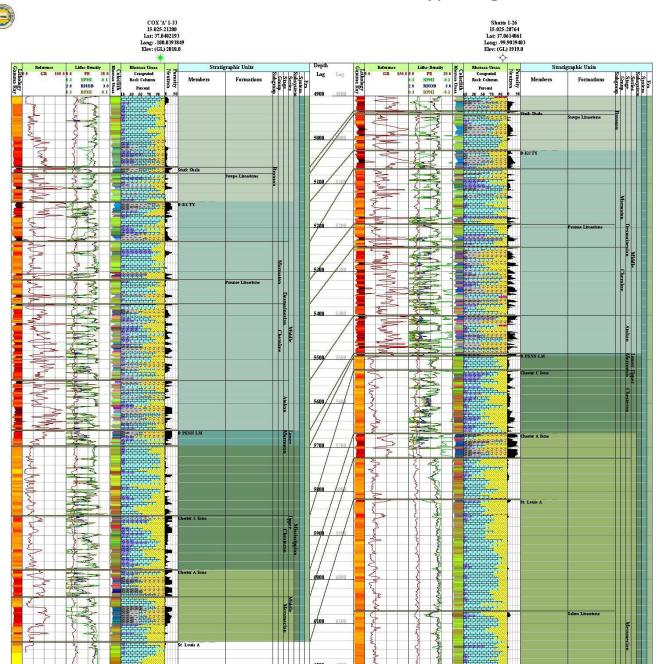




Current Candidates for Type Logs



Future Online Format of Type Logs

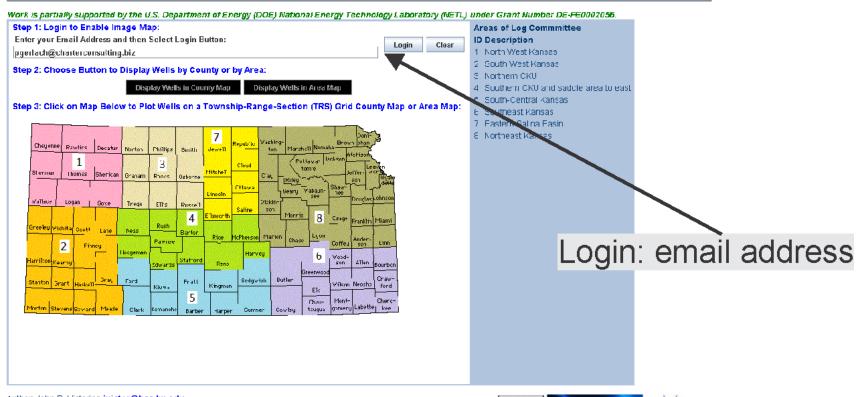




Bob Slamal Digital Type Logs Project Applet



Introduction | Is Java JRE on your PC? | Applet Security Warning | Applet | Strat Units | Help | Copyright & Disclaimer |



Author, John R. Victorine jvictor@kgs.ku.edu

The URL for this page is http://www.kgs.ku.edu/PRS/Czark/TYFE_LOC/applet.html





Bob Slamal Digital Type Logs Project Applet

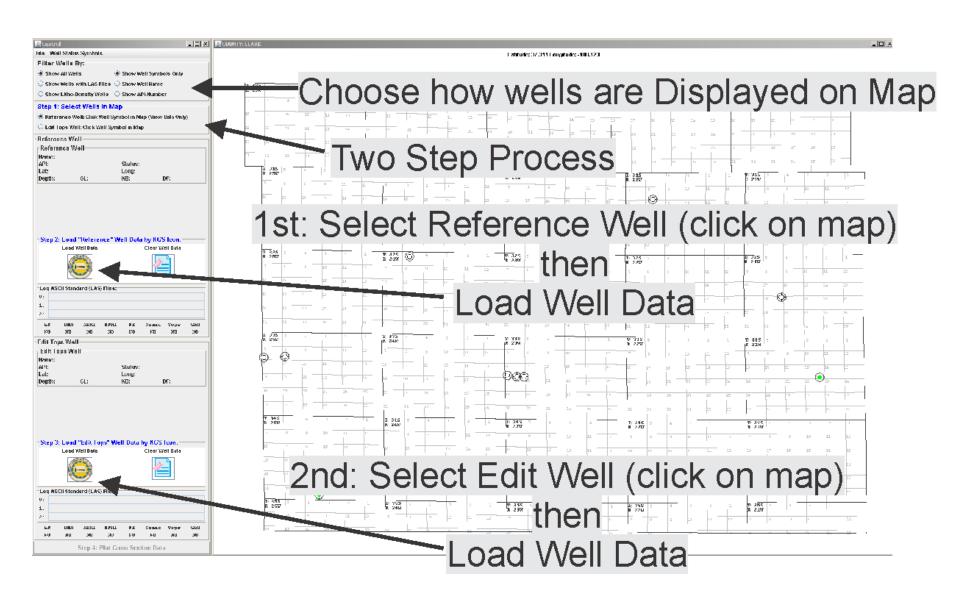


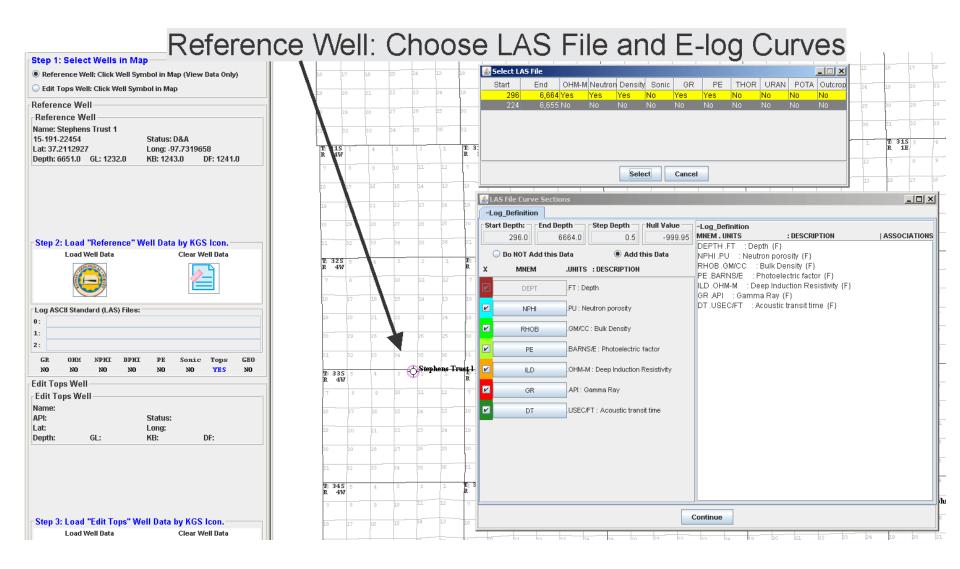
Introduction | Is Java JRE on your PC? | Applet Security Warning | Applet | Strat Units | Help | Copyright & Disclaimer |

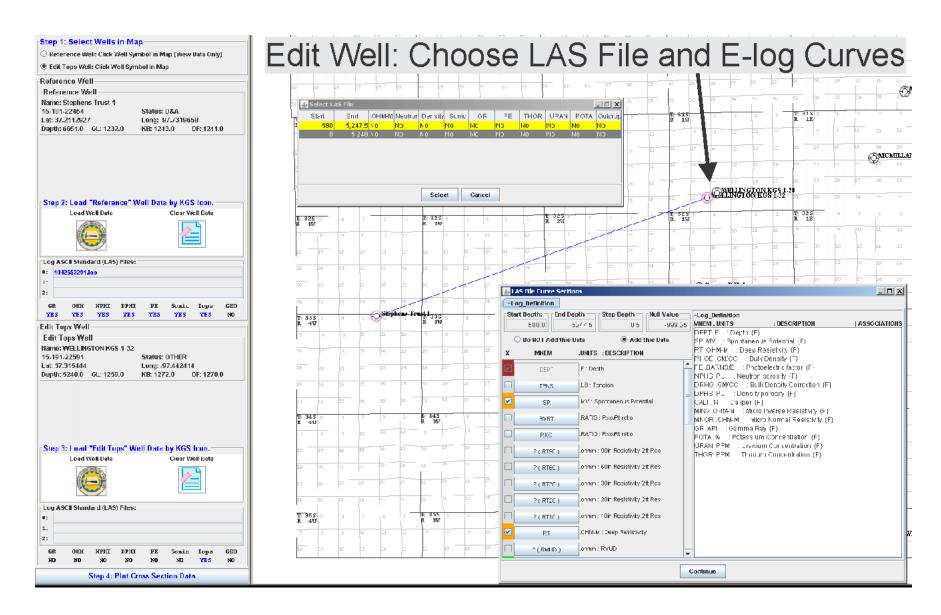
Work is partially supported by the U.S. Department of Energy (DOE) National Energy Technology Laboratory (NETL) under Grant Number DE-FE0002056. Step 1: Login to Enable Image Map: Areas of Log Commmittee Enter your Email Address and then Select Login Button: **ID Description** Clear Login pgerlach@charterconsulting.biz North West Kansas. South West Kansas. Step 2: Choose Button to Display Wells by County or by Area: 3. Northern CKU. Display Wells in County Map Display Wells in Area Map 4. Southern CKU and saddle area to east 5 South-Central Kansas Step 3: Click on Map Below to Plot Wells on a Township-Range-Section (TRS) Grid County Map or Area Map: Southeast Kansas 7 Eastern Salina Basin. Northeast Kansas. Devalue Norton -milips Smith Jewell Cloud Thomas Sherndan Graham Rcoks Ocherre Oftawa Linco'n Wallace | Logar Tirego Ellis Russell Caline 4 Osage Franklin Miami Choose wells Greeley Vichita Scott Rush Lane Ness Rice HoPherson Marton Paw ies Firney Hoogeman Harvey Wood Hamilton Kearnu Stafford Allen G Reno by County or Area Butler Prat: Grant Haske' Wilson Neosho Kingman ford Kiowa omerij Labette Clark Comanohe You have successfully logged in

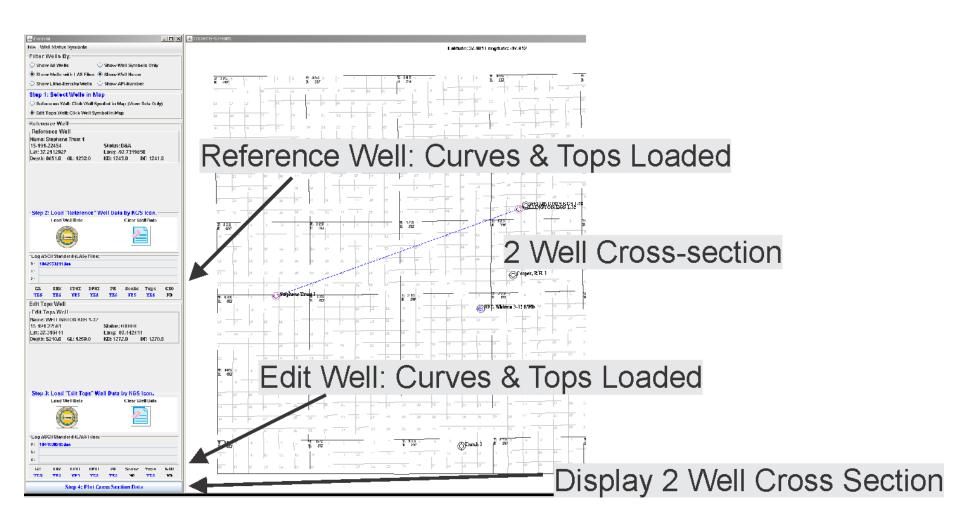
Author: John R. Victorine jvictor@kgs.ku.edu



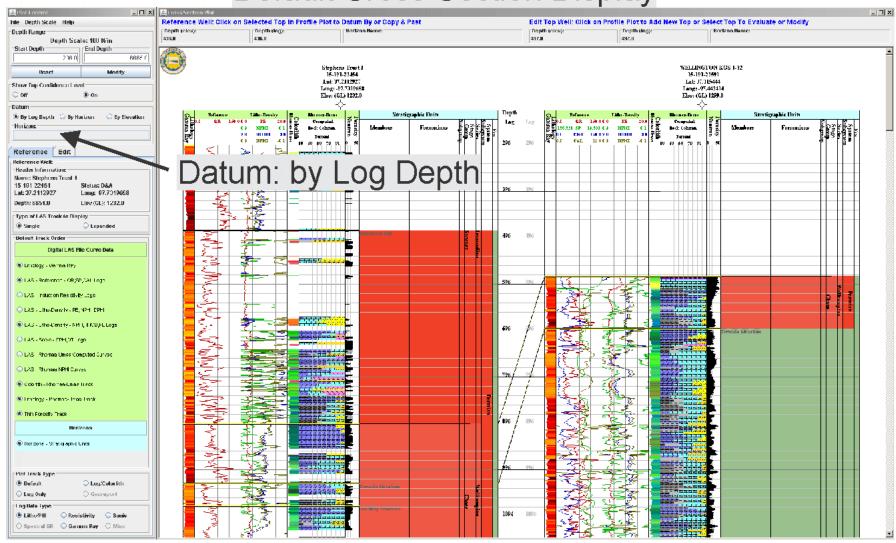


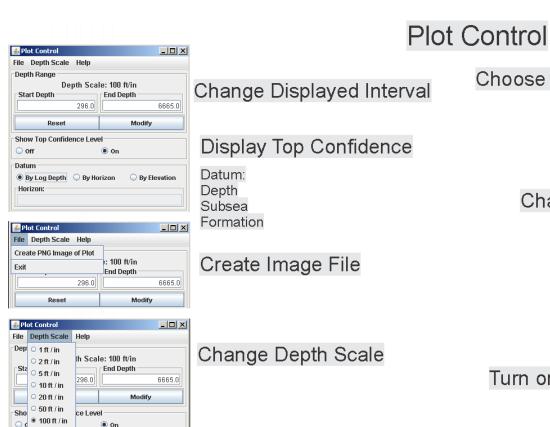






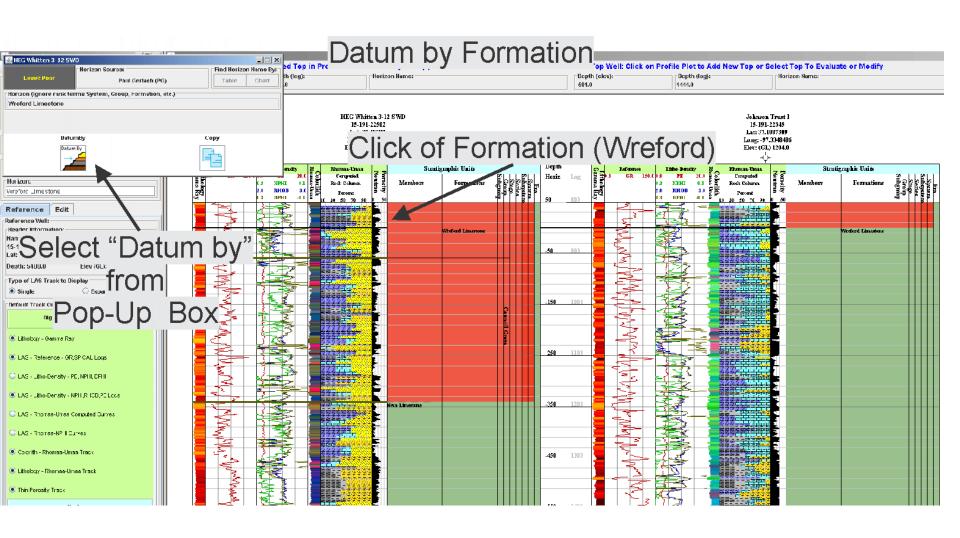
Default Cross Section Display



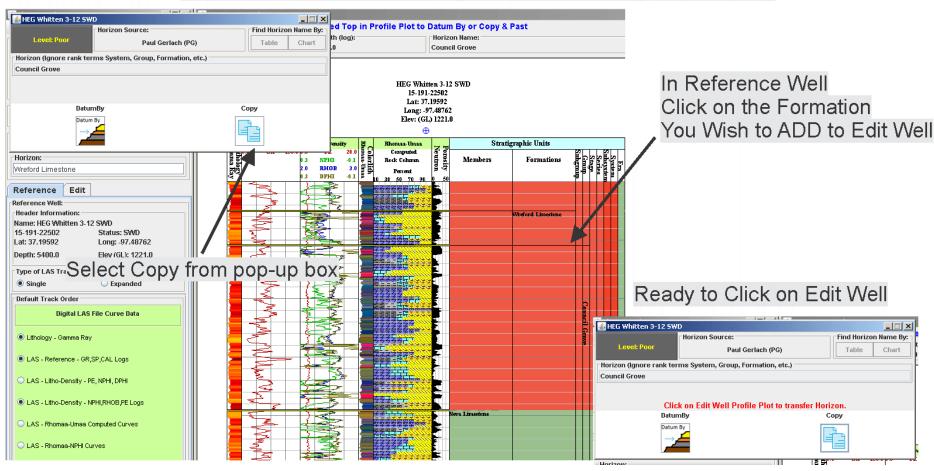


200 ft / in

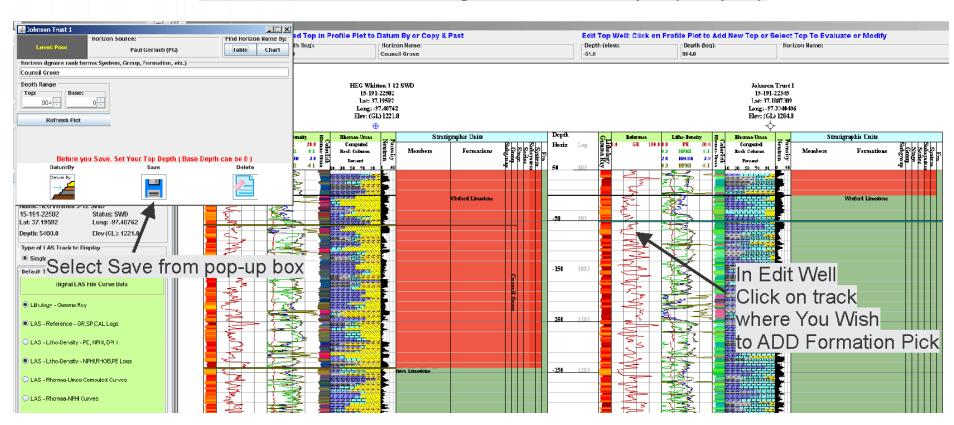
Reference Edit Reference Well: Header Information: Name: Stephens Trust 1 15-191-22454 Status: D&A Choose Reference or Edit Well Lat: 37.2112927 Long: -97.7319658 Depth: 6651.0 Type of LAS Track to Display Change Track Width Single Expanded Default Track Order Digital LAS File Curve Data Lthology - Gamma Ray LAS - Reference - GR,SP,CAL Logs Change Curves to Display LAS - Induction Resistivity Logs LAS - Lithc-Density - PE, NPHI, DPHI LAS - Lithc-Density - NPHI,RHOB,PE Logs LAS - Sonic - SPHI,CT Logs LAS - Rhomaa-Umaa Computed Curves LAS - Rhomaa-NPHI Curves Colorlith - Phomaa-I Imaa Track Lthology - Rhomaa-Umaa Track Thin Porosity Track Horizons Turn on/off Stratigraphic Units Horizons - Stratigraphic Units Plot Track Type Turn on/off Tracks Default Log/Colarlith O I ng Only ○ Genreport

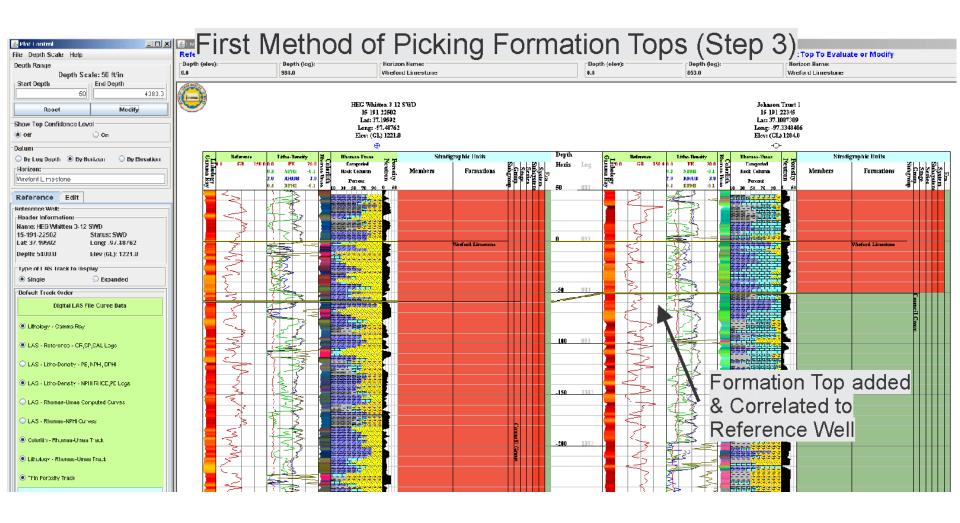


First Method of Picking Formation Tops (Step 1)

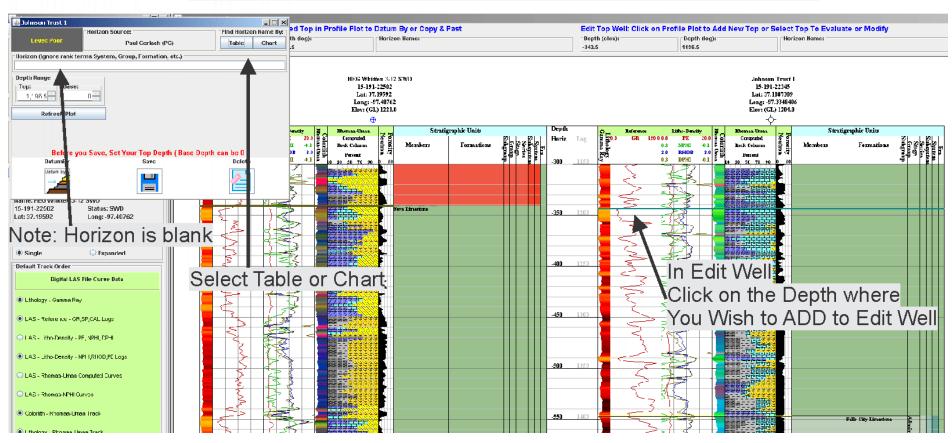


First Method of Picking Formation Tops (Step 2)

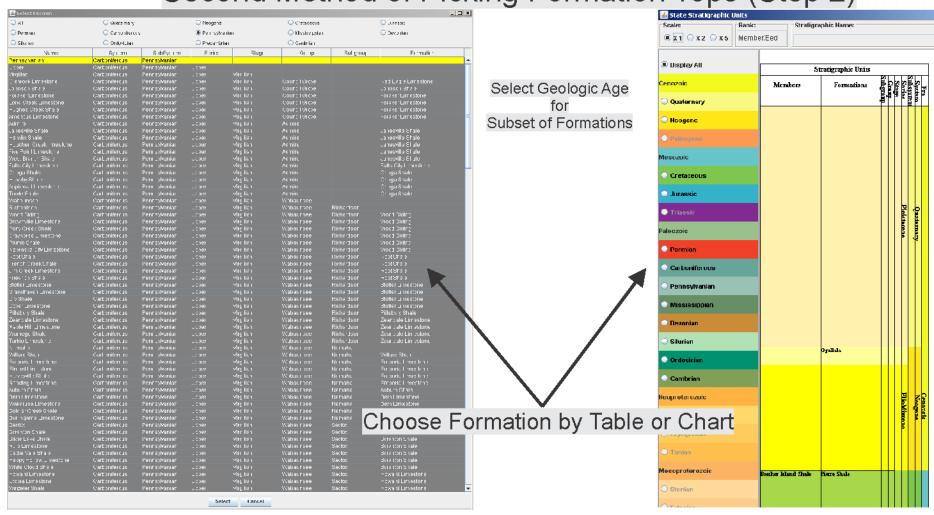




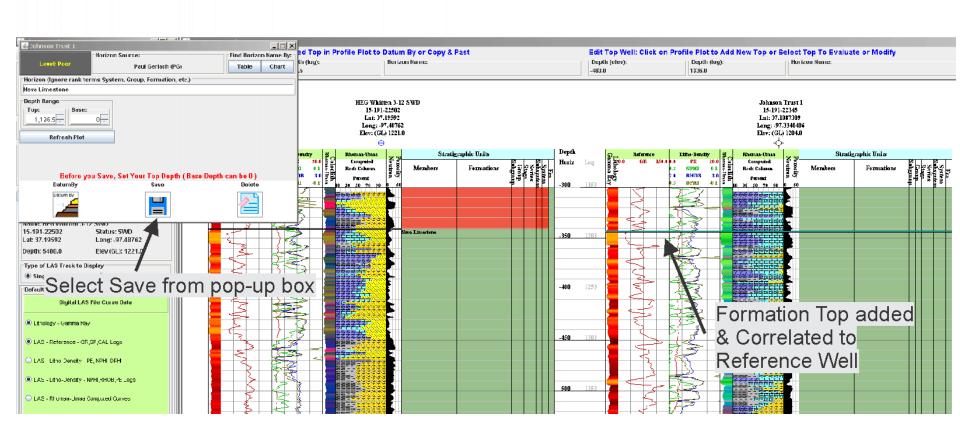
Second Method of Picking Formation Tops (Step 1)



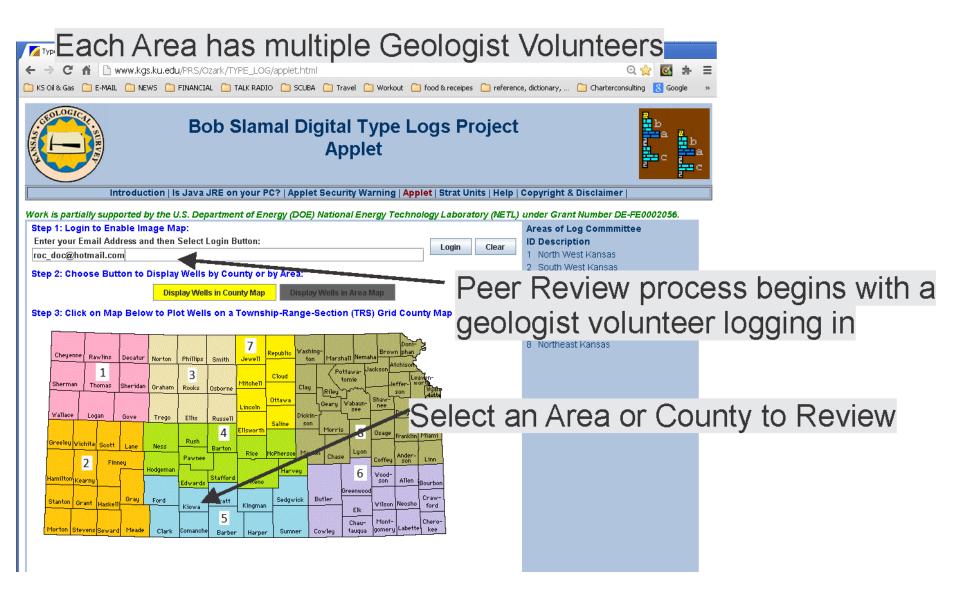
Second Method of Picking Formation Tops (Step 2)



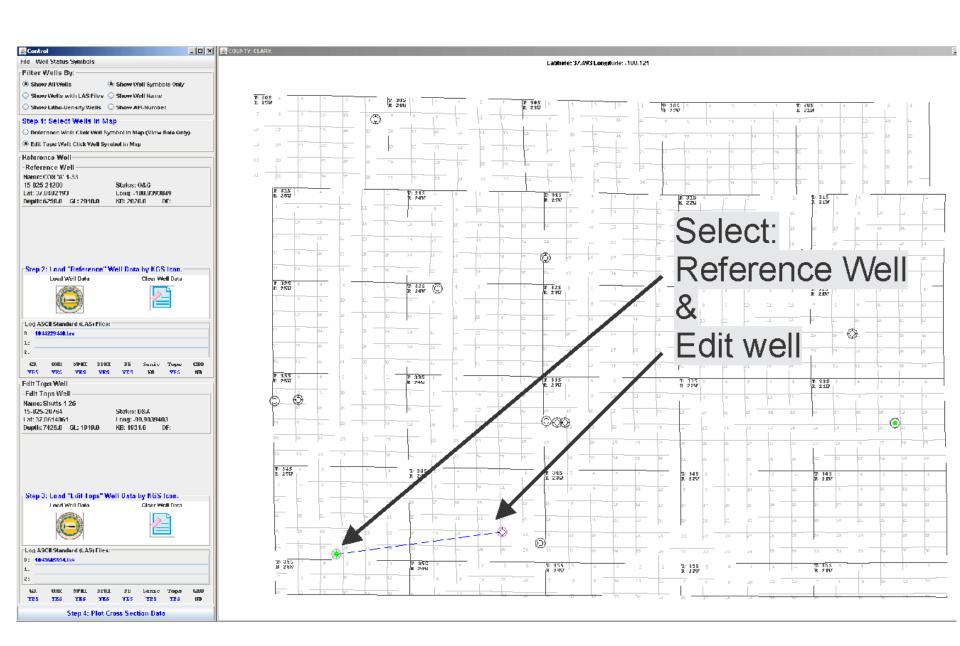
Second Method of Picking Formation Tops (Step 3)



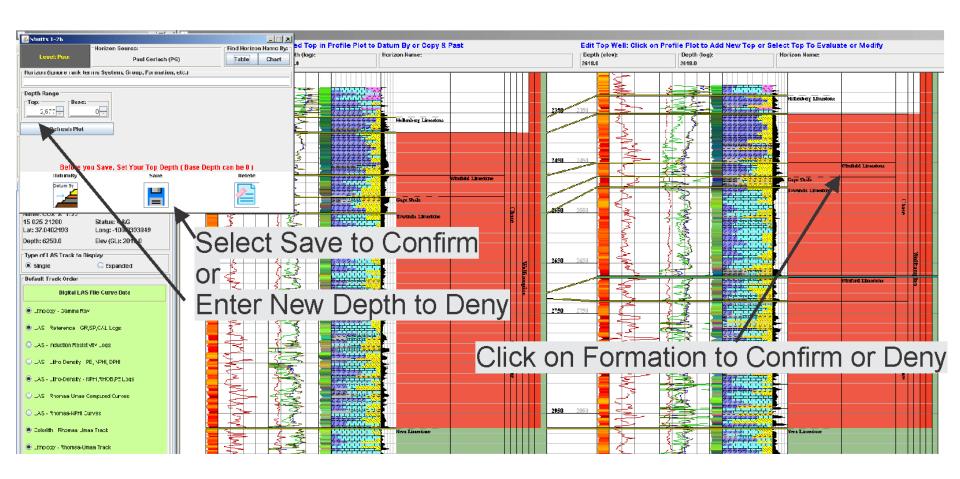
Peer Review Process



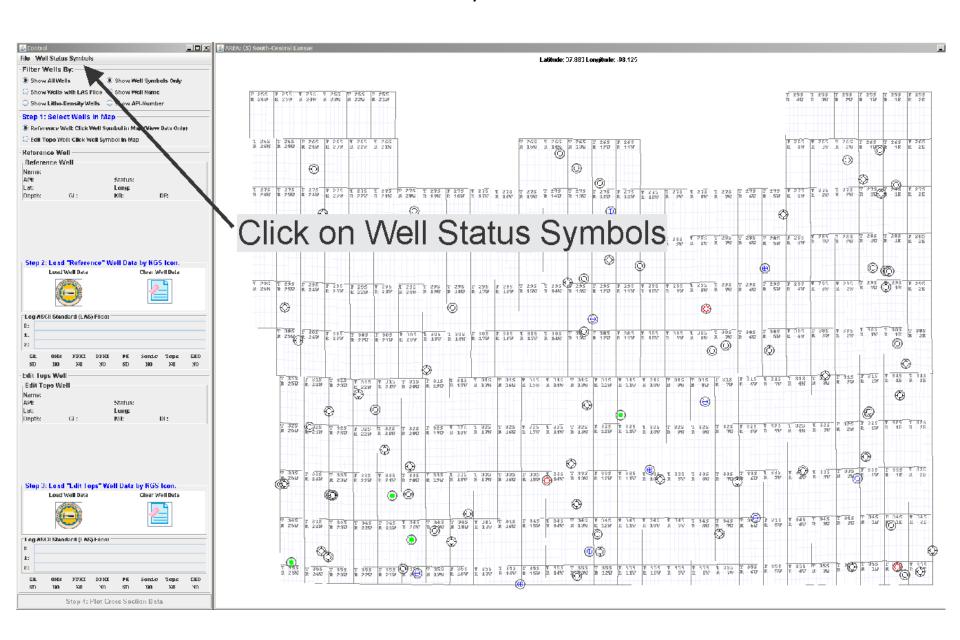
Peer Review Process

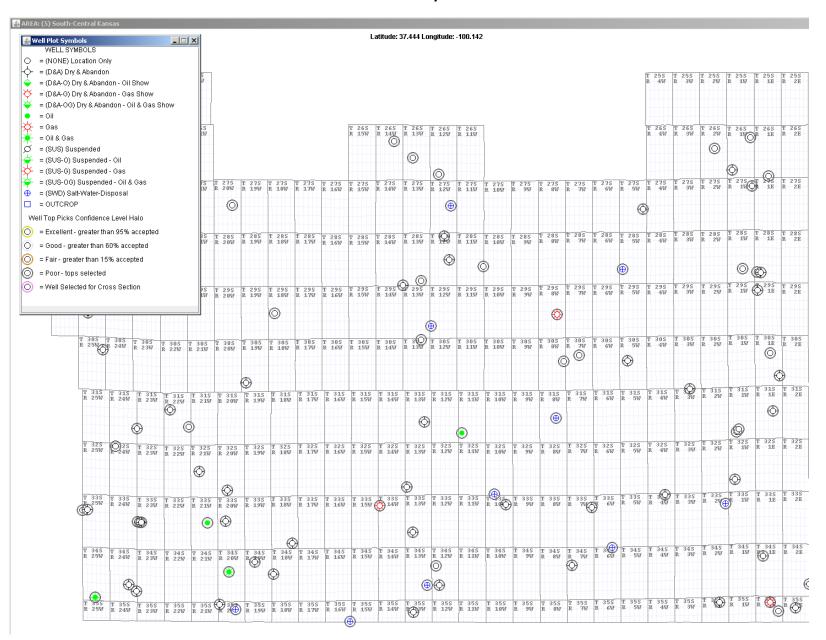


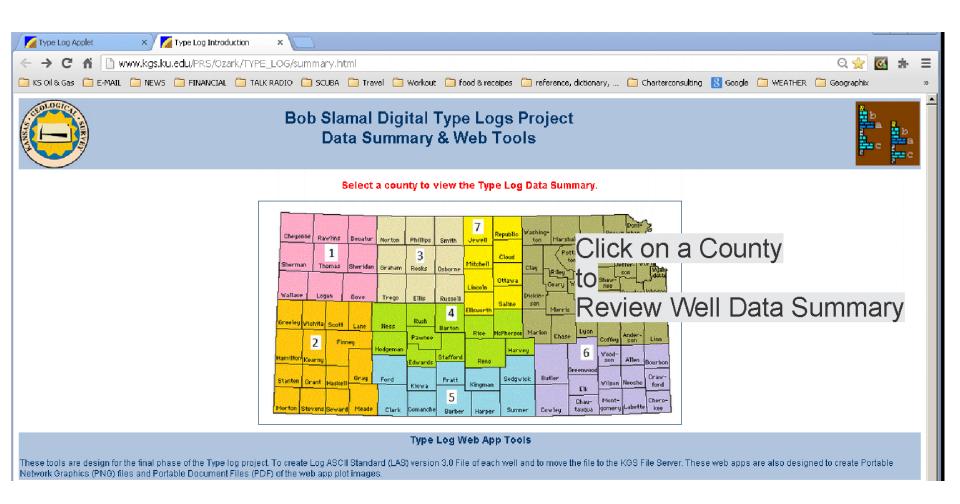
Peer Review Process









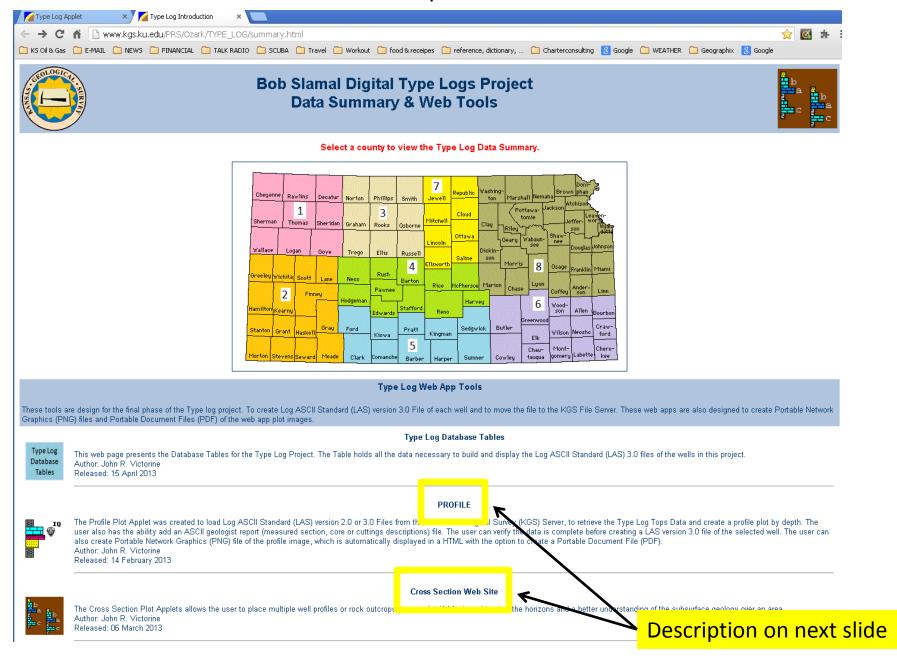




				Wells with							
KID	API-Number	Well Name	TRS	LAS Files	Tops	Accepted	Georeport	LAS 3.0	Status		
1006163689	15-191-22220	MCMILLAN 1	T31S R1E sec. 15	1	38	0		VIEW	Poor		
1032691953	15-191-22454	Stephens Trust 1	T33S R4W sec. 3	2	43	0	ASCII Text	VIEW	Poor		
1036243987	15-191-22502	HEG Whitten 3-12 SWD	T33S R2W sec. 12	1	31	0		VIEW	Poor		
1006789907	15-191-62745	WHITE 1	T35S R1E sec. 12	1	22	0		VIEW	Poor		
1008430325	15-191-22345	Johnson Trust 1	T34S R1E sec. 8	1	24	0		VIEW	Poor		
1006162671	15-191-21679	Unruh 1	T35S R2W sec. 3	1	18	0	TIFF (Other)	VIEW	Poor		
1006163571	15-191-22156	BATES 12	T35S R1E sec. 3	1	18	0	ASCII Text	VIEW	Poor		
1043234370	15-191-22591	WELLINGTON KGS 1-32	T31S R1W sec. 32	2	40	0	ASCII Text	VIEW	Poor		
1002952839	15-191-11350	MANNION 2	T34S R2E sec. 25	1	19	0			Poor		
1006161235	15-191-20881	MATZEN A (PRUITT-BRIBACH 1) 1	T30S R1E sec. 25	1	44	0		VIEW	Poor		
1006162525	15-191-21600	ZEKA 2	T30S R1E sec. 15	1	33	0		VIEW	Poor		
1002951195	15-191-00430	Cooper, R.H. 1	T32S R1W sec. 29	3	27	0	ASCII Text	VIEW	Poor		
1043234355	15-191-22590	WELLINGTON KGS 1-28	T31S R1W sec. 28	2	45	4	ASCII Text	VIEW	Poor		
1006161223	15-191-20875	Hartman 1	T31S R3W sec. 3	1	53	0		VIEW	Poor		
1037041756	15-191-22516	HORTON-MCCLASKEY 1	T35S R2E sec. 9	1	23	n		VIEW	Poor		

Click for Legend

This web page generated by ORACLE PLSQL Stored Procedure http://chasm.kgs.ku.edu/pls/abyss/iqstrat.type_log_summary_pkg.build_web_page?sCounty=sumner



PROFILE

The Profile Plot Applet was created to load Log ASCII Standard (LAS) version 2.0 or 3.0 Files from the Kansas Geological Survey (KGS) Server, to retrieve the Type Log Tops Data and create a profile plot by depth. The user also has the ability add an ASCII geologist report (measured section, core or cuttings descriptions) file. The user can verify the data is complete before creating a LAS version 3.0 file of the selected well. The user can also create Portable Network Graphics (PNG) file of the profile image, which is automatically displayed in a HTML with the option to create a Portable Document File (PDF).

Author: John R. Victorine

Released: 14 February 2013

Cross Section Web Site

The Cross Section Plot Applets allows the user to place multiple well profiles or rock outcrops on one plot (4 Maximum) to view the horizons and a better understanding of the subsurface geology over an area.

Author: John R. Victorine

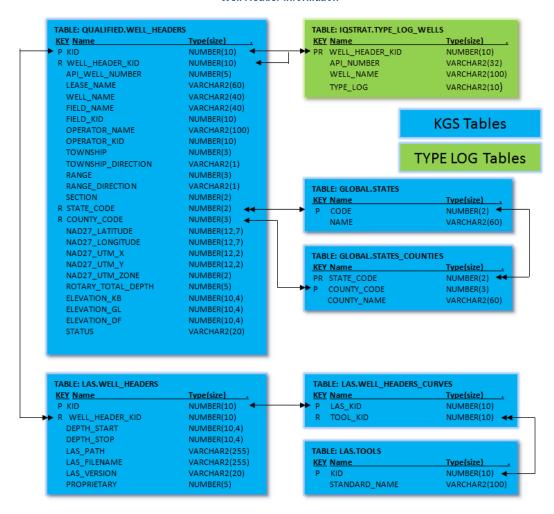
Released: 06 March 2013



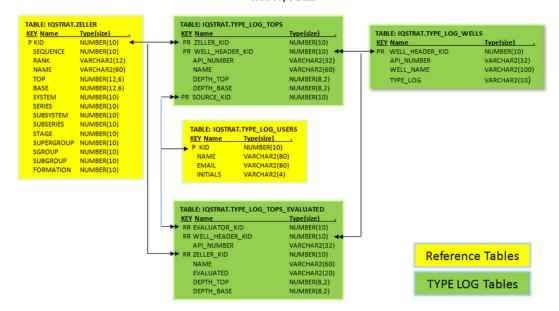
Bob Slamal Digital Type Logs Project Database Tables



Well Header Information



Well Tops Data



The Type Log Tops DB Table is the primary table for holding the well tops for each well and the owner of the tops which was identified for each selected well in the Type Log Project. The Type Log Tops Evaluated DB Table holds the result of the Type Log Committee evaluation of the tops selected in the Type Log Tops DB Table. The Zeller Database Table holds the Stratigraphic Units for the Type Log Project. CO₂ Project. The Type Log Users Table holds all the Committee members for the Type Log Project that are selecting & evaluating the tops.

Final Log ASCII Standard (LAS) 3.0 File Information

