

Science Camp #170802.8

02-04 August 2016 @ the Condo, the Nelson Cabin, and surrounding area



Advisors

H. Roice Nelson, Jr., Andrea S. Nelson,
Paul F. Nelson, Benjamin B. Nelson



Attendees

Ethan E. Nelson, Grant M. Nelson, Colby C. Wright,
Taylor R. Wright, Ella D. Nelson, Halle N. Wright,
Bobbie Sophia Waldron, Dallin Spencer Nelson,
Avalyn Joyce Wright, Rachel Lee, & Ian Lee

LAND MARK



Landmark Graphics Corporation will meet the needs of the seismic data interpretation market by introducing a stand-alone color raster computer graphics workstation with proprietary software. It will be used by explorationists in display, manipulation and interpretation of one-dimensional (1D) logs with synthetic traces, two-dimensional (2D) seismic and geologic sections, and three-dimensional (3D) seismic volumes.

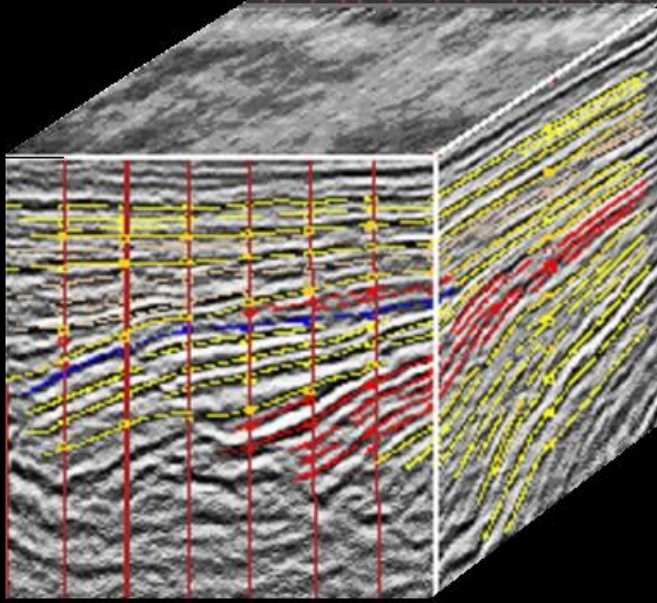
Landmark Graphics Corporation has assembled the best talent in the seismic industry to define, develop, assemble and market a computer graphics seismic interpretation system.

August 1, 1982

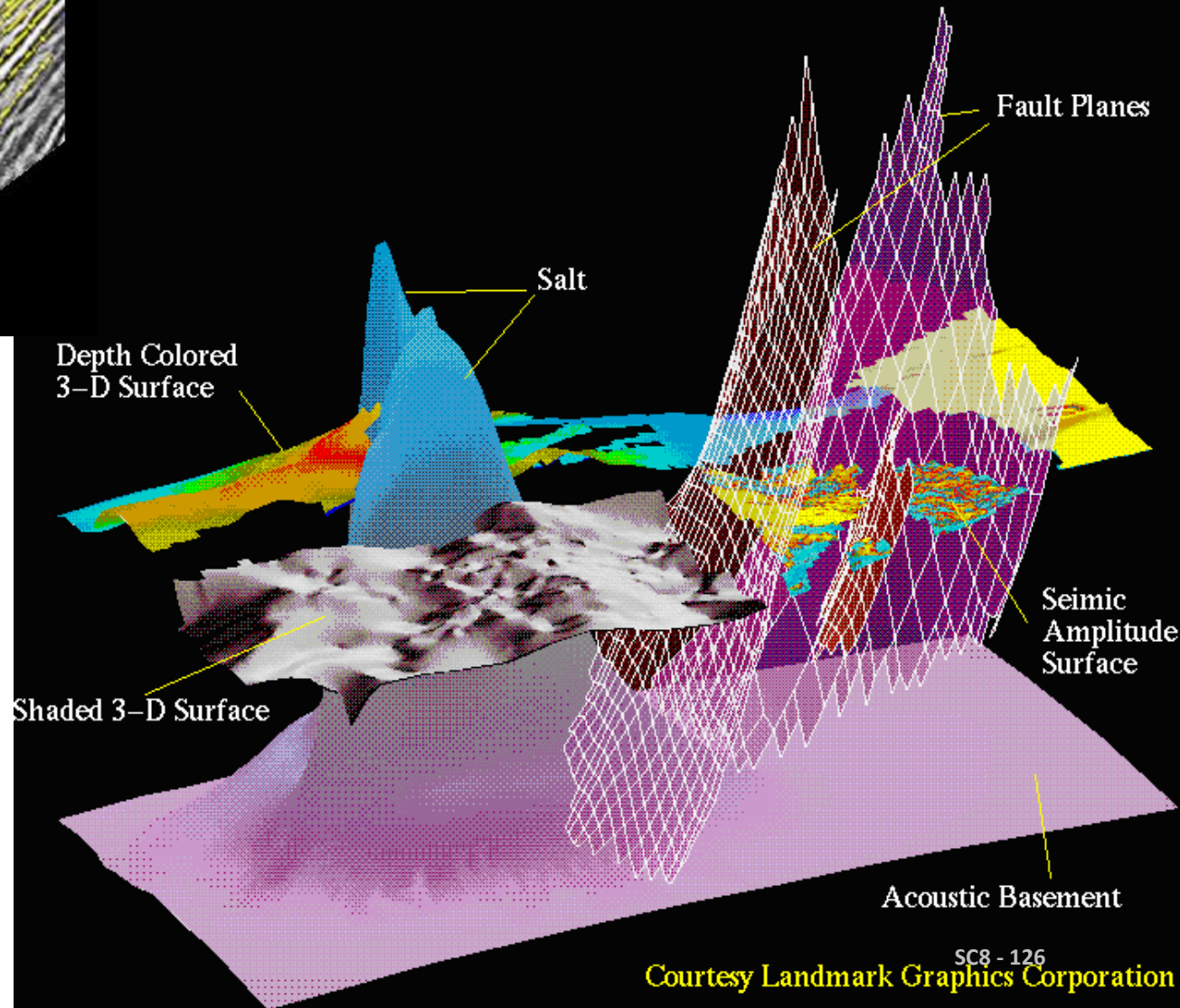
Landmark Graphics Corporation Business Plan

Founded by: Roice Nelson, John Mouton, Andy Hildebrand, Bob Limbaugh

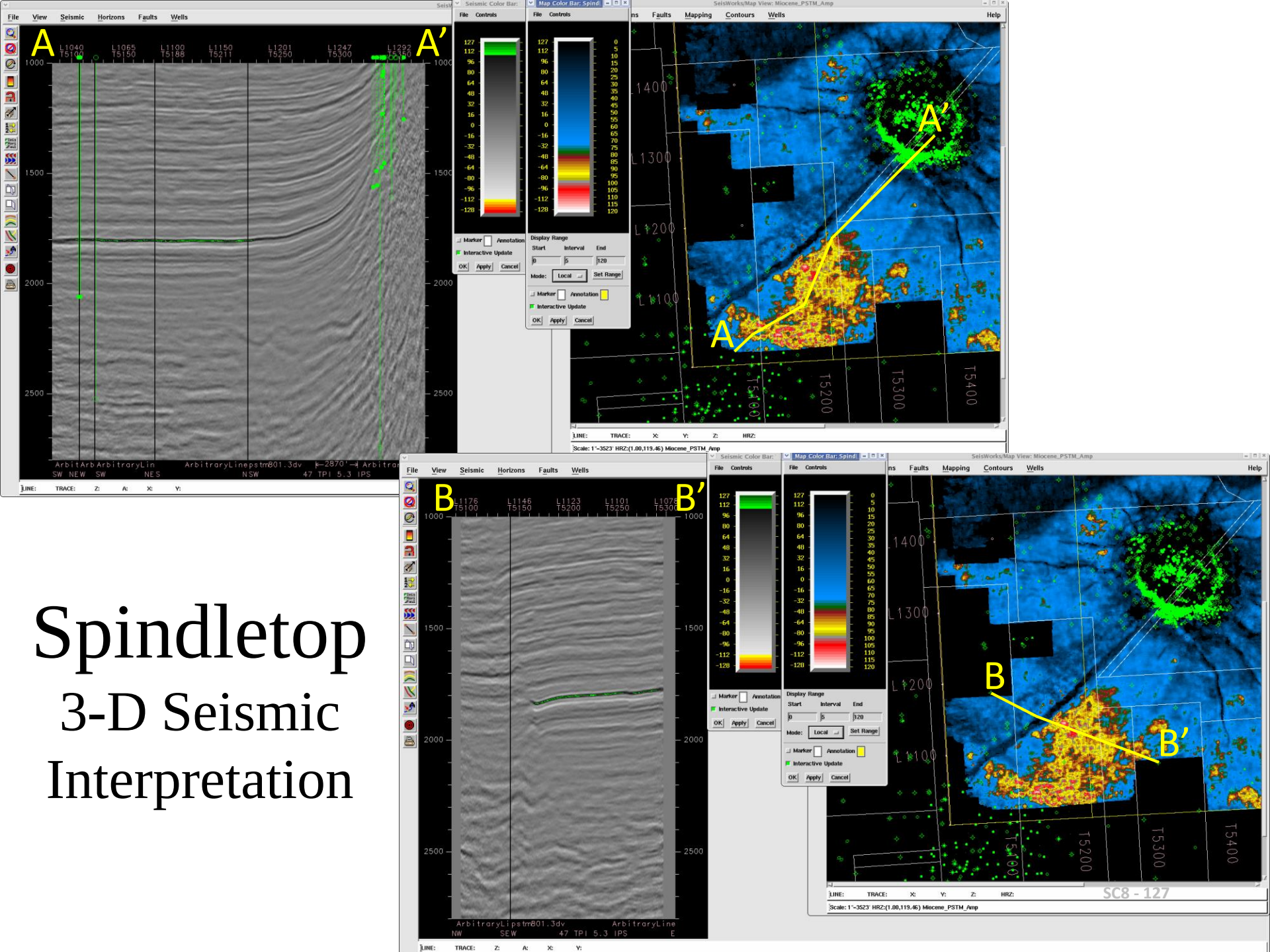
3-D Landmark Displays



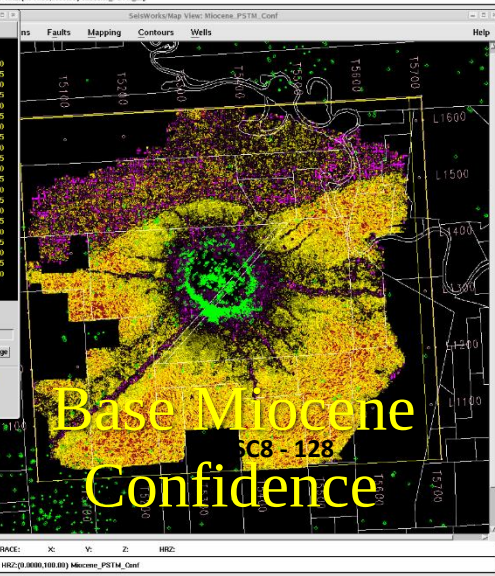
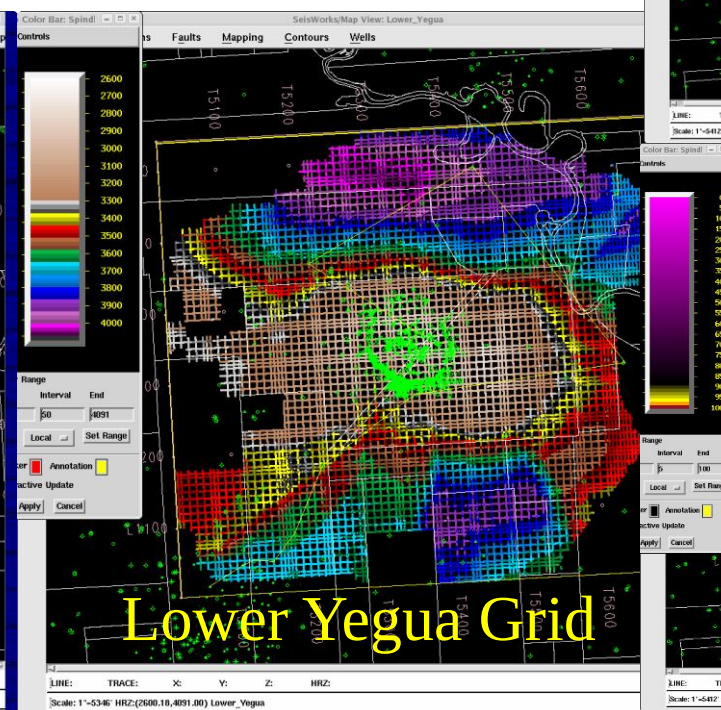
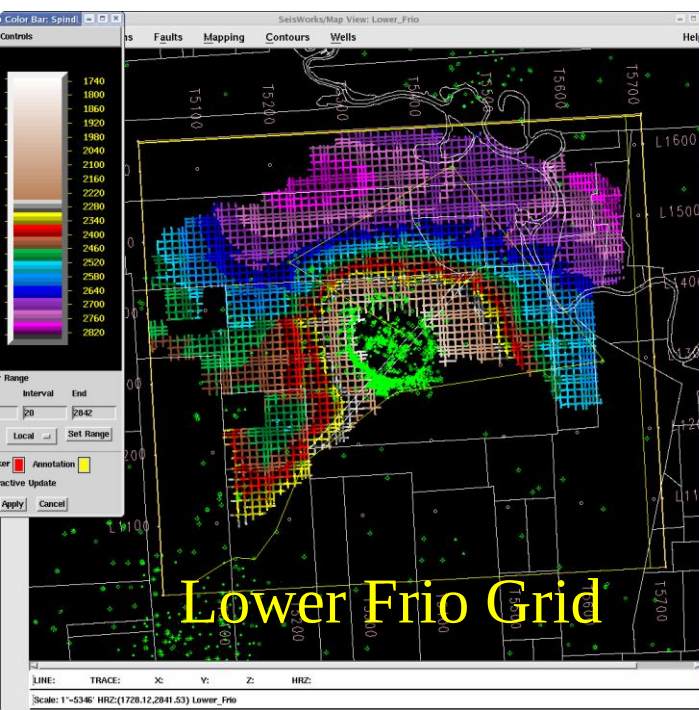
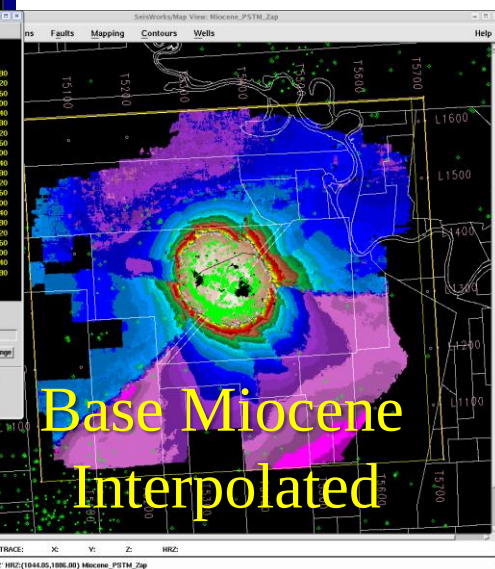
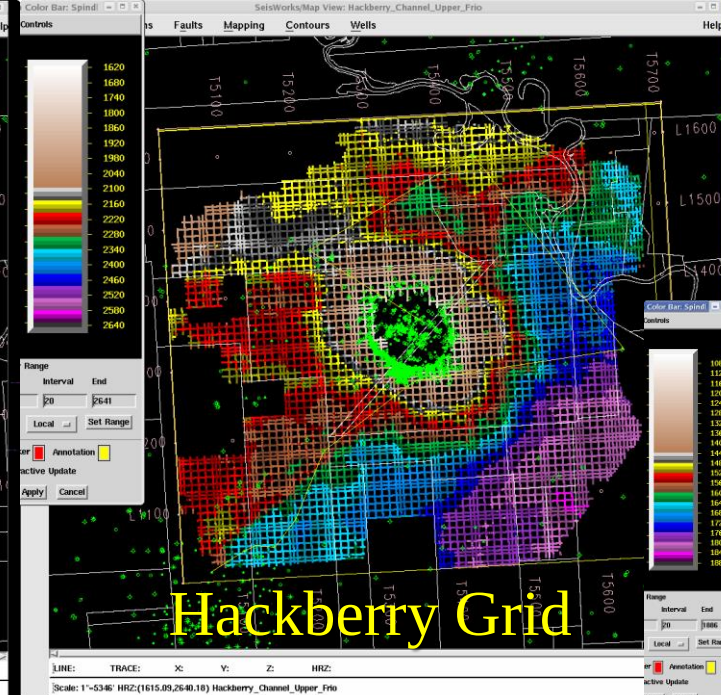
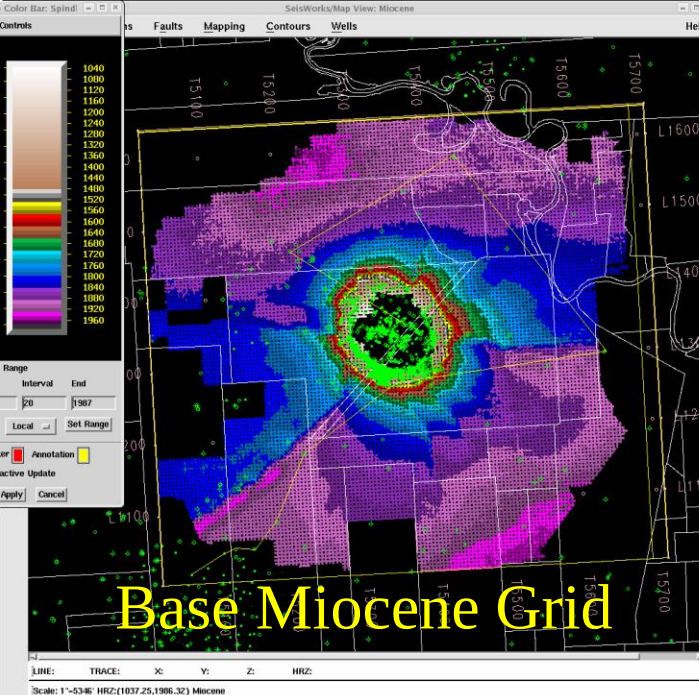
1994, Still Doing
Jimmy-Rig
3-D Displays
(Stratton Above)

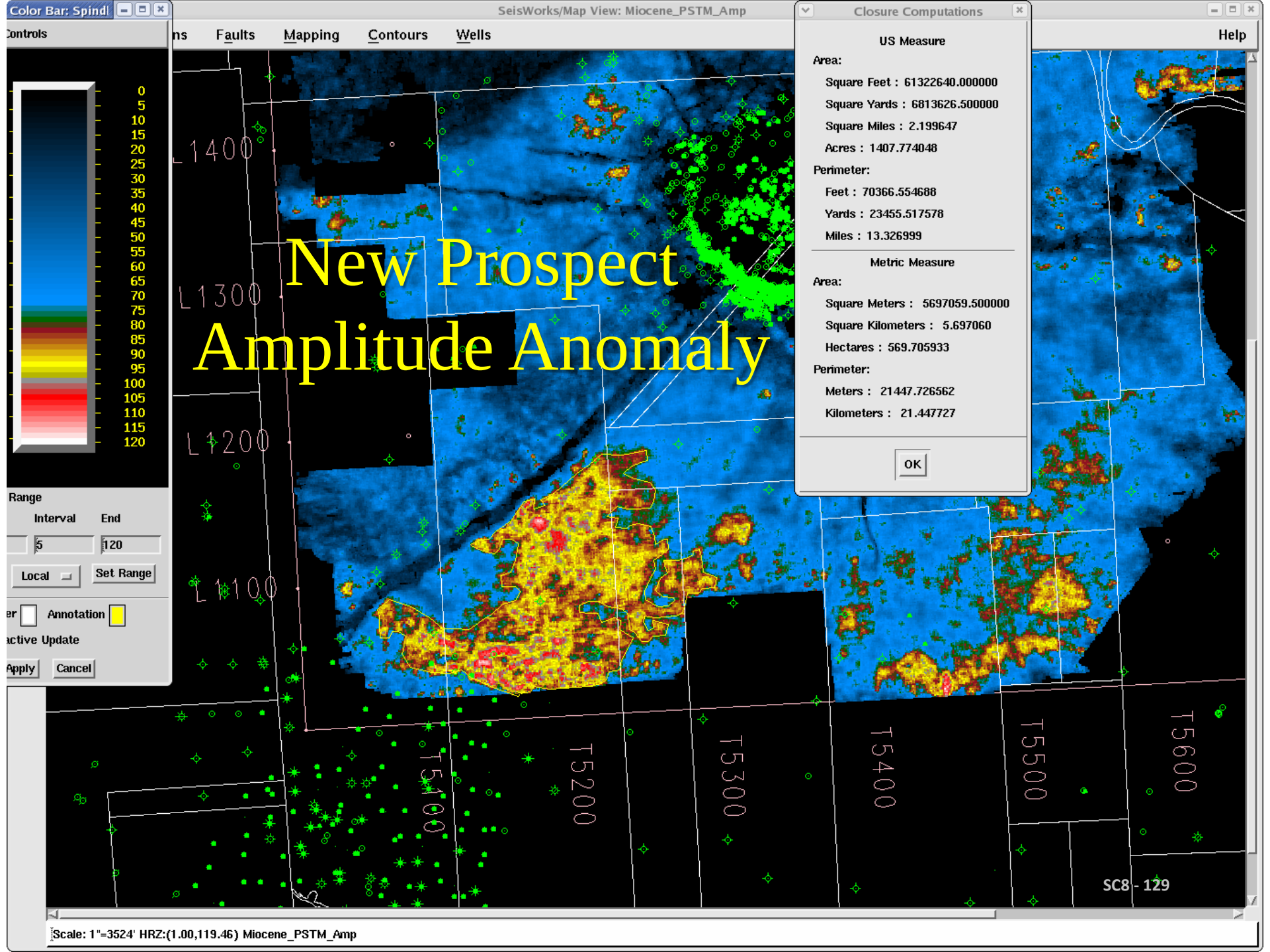


Spindletop 3-D Seismic Interpretation



3-D Interpretation

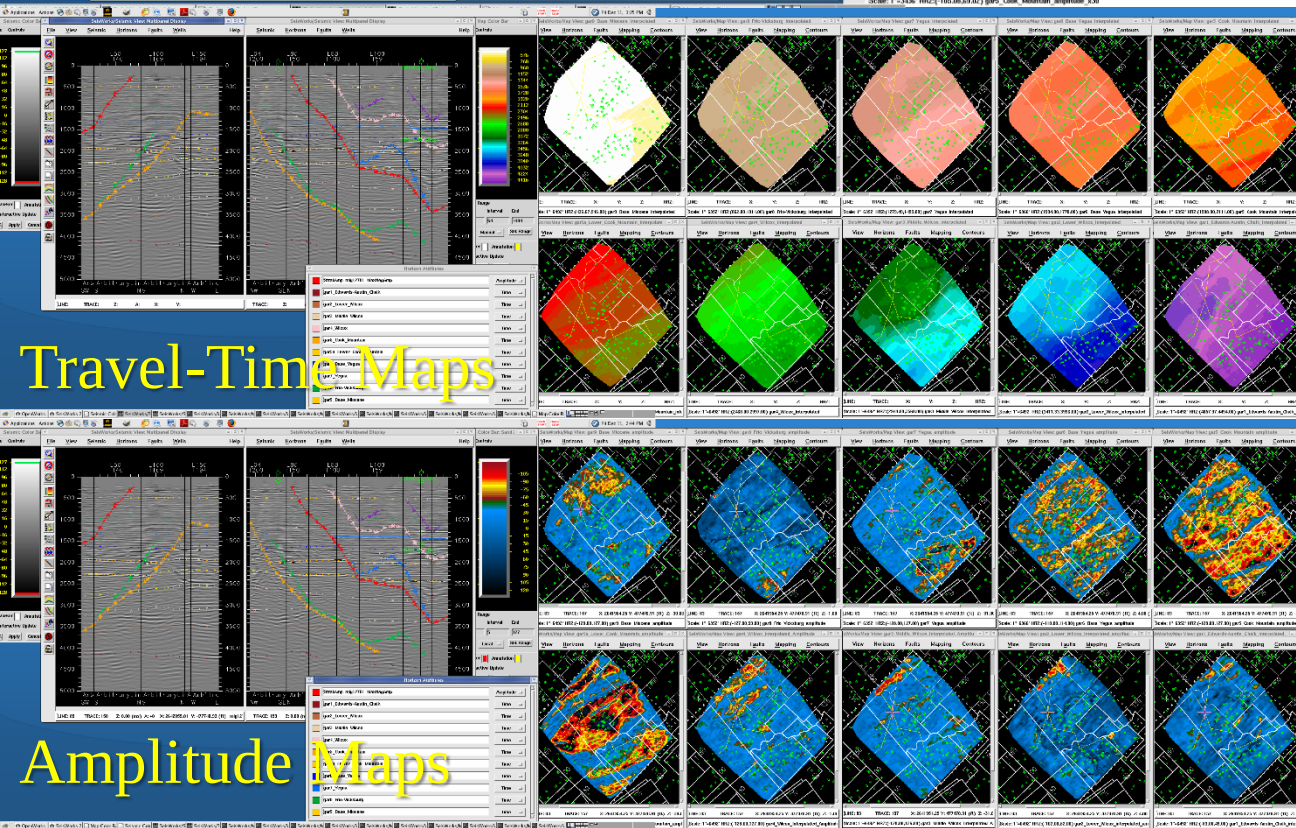
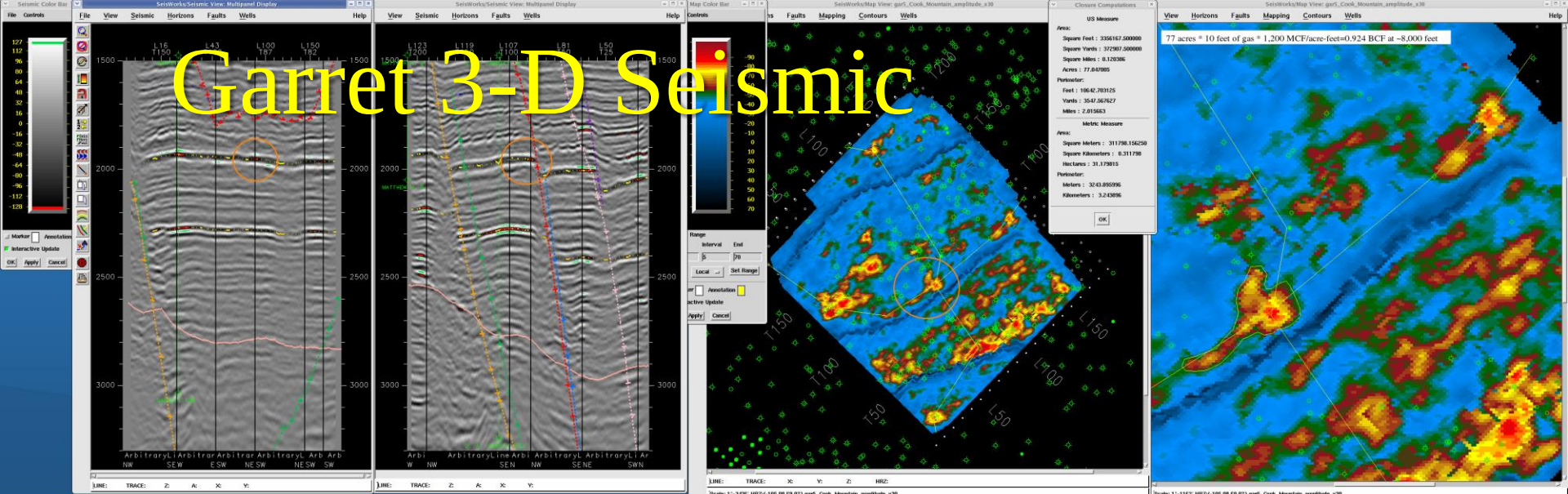




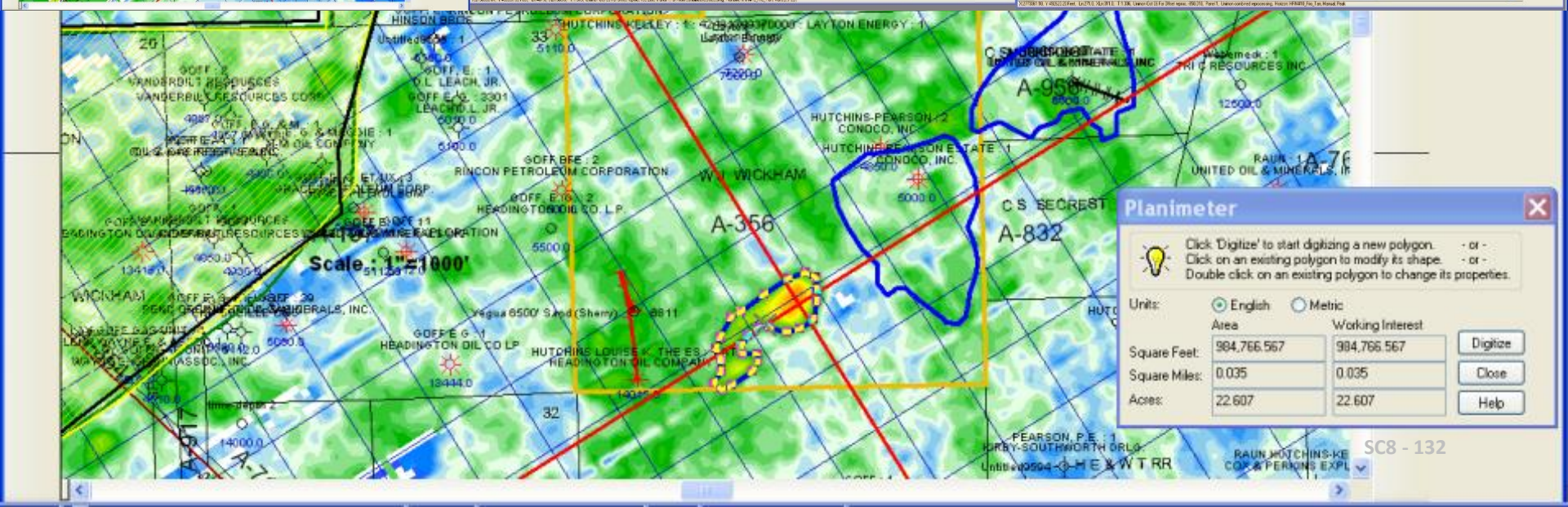
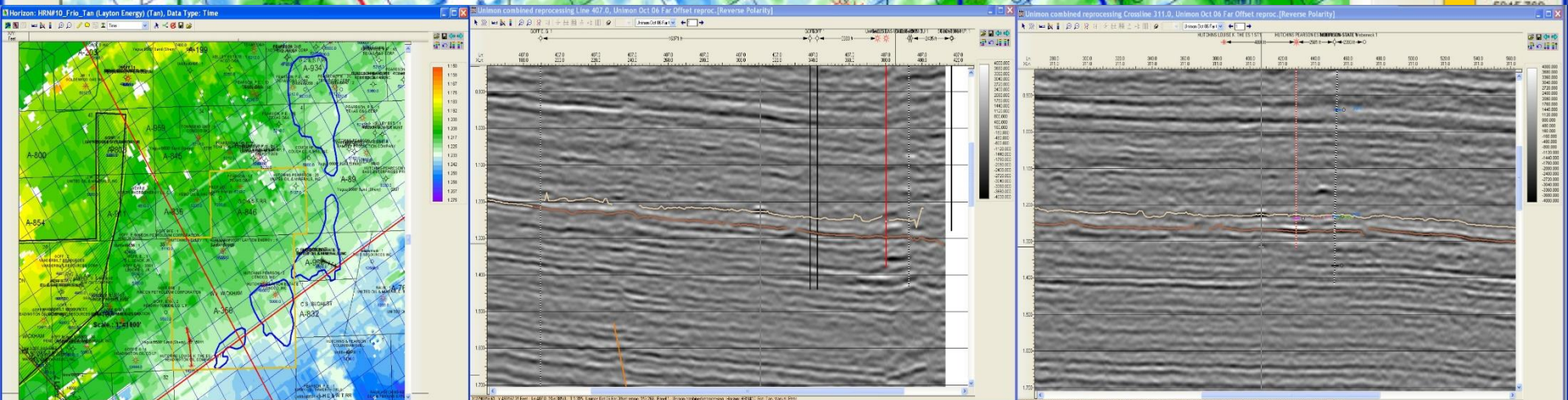
Depth	Formation	Acreage	Formation Acreage	Reserves in BCF (acres*20 ft gas * 1.2 MCF/acre ft / 1000 MCF/BCF)				
1	100-500ms Miocene	5		0.12	20	1.2	\$3	
2	500-1s Miocene	39		0.936				
3	1s-Base Miocene	32.7		0.7848				
3	1s-Base Miocene	140		3.36				
3	1s-Base Miocene	152		3.648				
3	1s-Base Miocene	158		3.792				
3	1s-Base Miocene	177		4.248				
3	1s-Base Miocene	229		5.496				
3	1s-Base Miocene	235		5.64				
3	1s-Base Miocene	342		8.208				
3	1s-Base Miocene	375		9				
3	1s-Base Miocene	479	2363.7	11.496	56.7288	\$170,186,400		
4	Base Miocene +-20	46		1.104				
4	Base Miocene +-20	79.8		1.9152				
4	Base Miocene +-20	94		2.256				
4	Base Miocene +-20	207		4.968				
4	Base Miocene +-20	1663	2089.8	39.912	50.1552	\$150,465,600	\$119,736,000	
5	Middle Frio +-100	27		0.648				
6	Middle Frio-Lower Frio	29	56	0.696	1.344	\$4,032,000		
7	Lower Frio	59	59	1.416	1.416	\$4,248,000		
8	Hackberry+-100	5	5	0.12	0.12	\$360,000		
9	Hackberry-Lower Yegua	24.9		0.5976				
9	Hackberry-Lower Yegua	25		0.6				
9	Hackberry-Lower Yegua	25.2		0.6048				
9	Hackberry-Lower Yegua	28		0.672				
9	Hackberry-Lower Yegua	28.2		0.6768				
9	Hackberry-Lower Yegua	31		0.744				
9	Hackberry-Lower Yegua	50	212.3	1.2	5.0952	\$15,285,600		
10	Lower Yegua +-100	39		0.936				
10	Lower Yegua +-100	43	82	1.032	1.968	\$5,904,000		
11	Lower Yegua-5000	24.2		0.5808				
11	Lower Yegua-5000	34	58.2	0.816	1.3968	\$4,190,400		
		4926	4926	118.224	118.224	\$354,672,000		SC8 - 130

Potential Value Undrilled Anomalies

Garret 3-D Seismic



Prospect	Time	Depth	CFGE
gar-m98	488	1850	1176000
gar-m66	498	1900	792000
gar-fv46	941	3450	552000
gar-fv163	989	3650	1956000
gar-y26	1406	5350	312000
gar-y16	1406	5350	192000
gar-y90	1440	5500	1080000
gar-y161	1454	5550	1932000
gar-y245	1437	5500	2940000
gar-by133	1634	7100	1596000
gar-cm77		8000	924000
gar-cm54		7800	660000
gar-cm61		8200	732000
gar-cm35		7800	420000
gar-cm307		7800	3684000
gar-lcm279		9750	3348000
gar-lcm138		10200	1656000
gar-lcm40		10900	480000
gar-lcm30		10900	360000
			24792000



Frio Point Bars



Time_0814



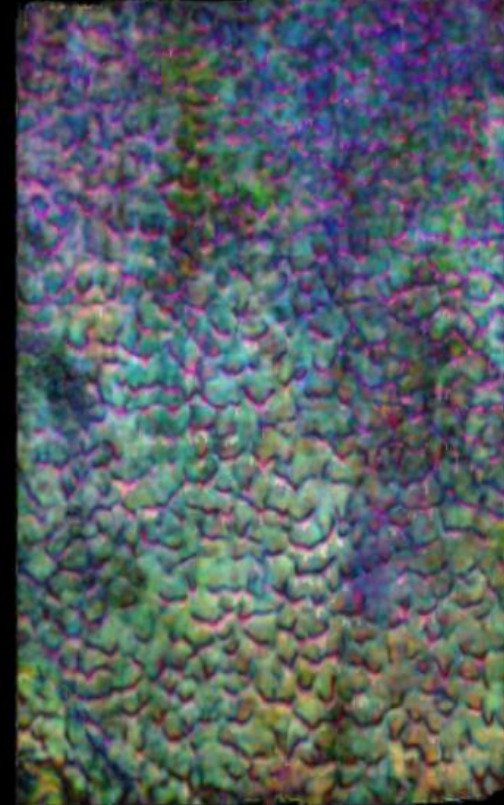
Time_0824



Time_0834

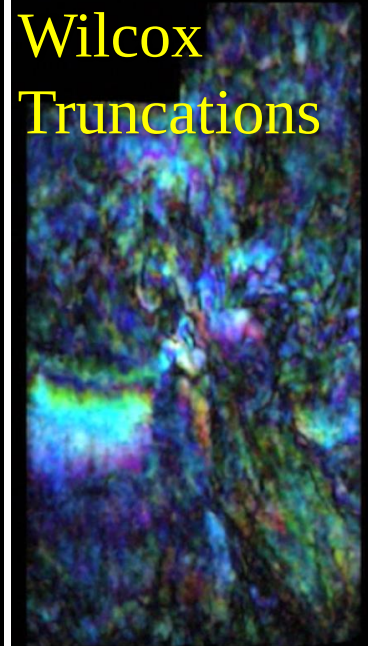
Tracy Stark Processing

Clinoforms along
Age Surface



RGT_1150

Wilcox
Truncations

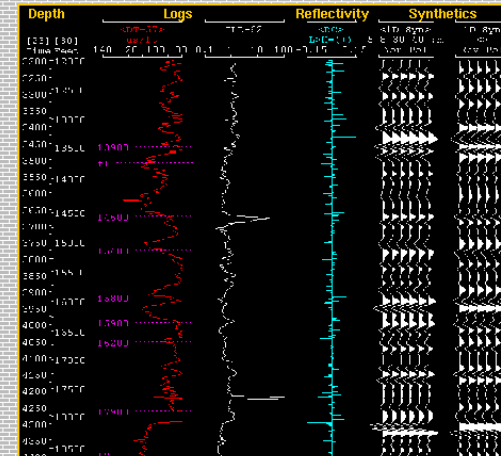
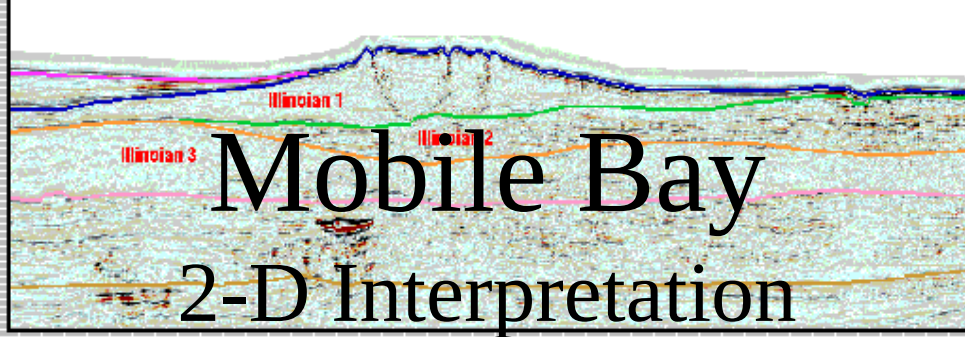


Time_2400

Data are instances of specific meanings occurring in the real-world.

Knowledge is the progressive gathering of bits of experience, along with the links which associate these disparate parts into a unified whole.

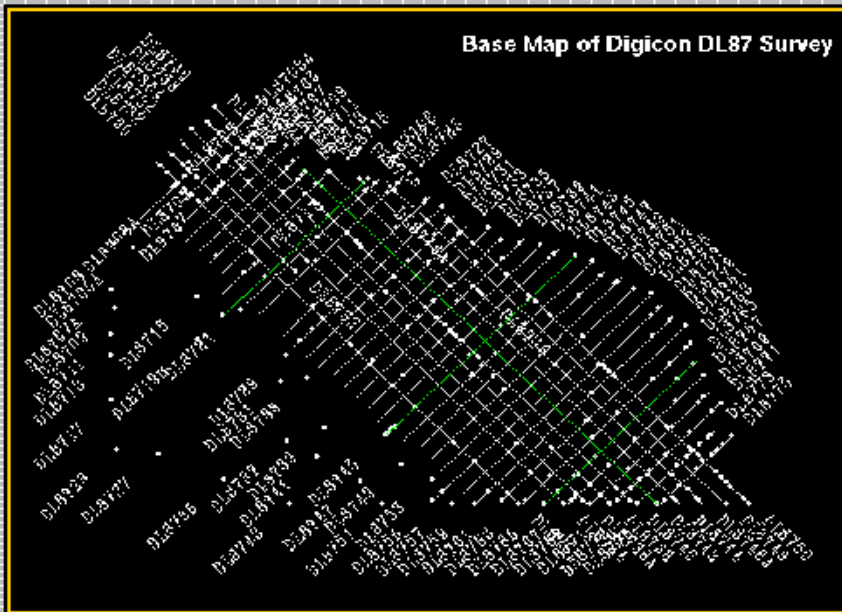
Seismic Line DL87-45



Information is data in context, related to a specific purpose.

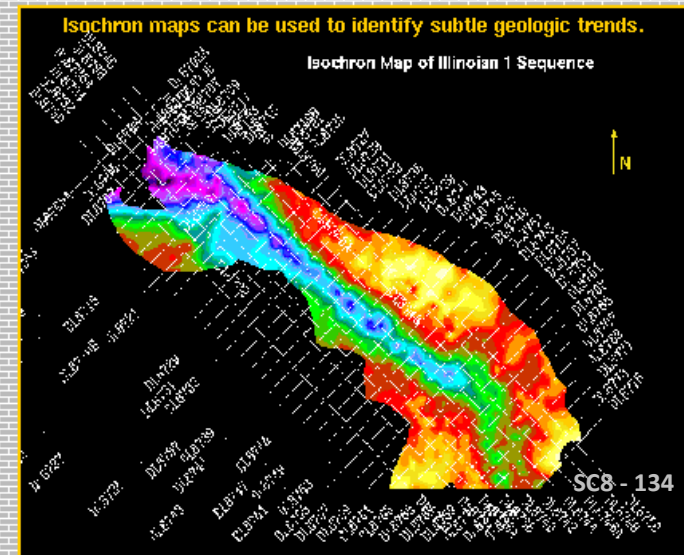
Wisdom is knowledge of what is true or right coupled with good judgement, and is embodied in those who remember the recipe and can tell the stories.

Base Map of Digicon DL87 Survey

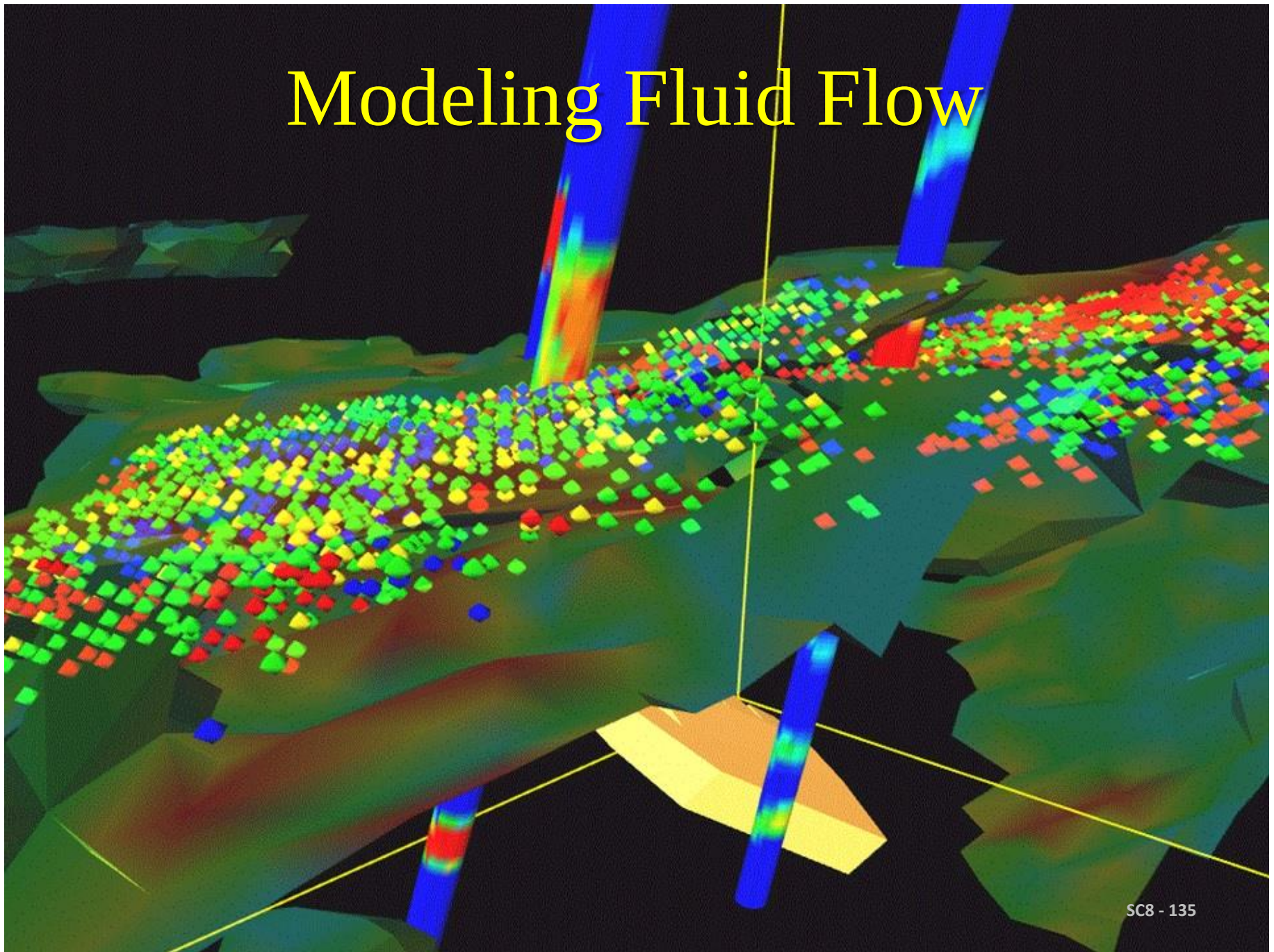


Isochron maps can be used to identify subtle geologic trends.

Isochron Map of Illinoian 1 Sequence



Modeling Fluid Flow



Notes

This image shows a single sheet of white paper with horizontal blue ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

2017 Science Camp

- What was best about 2017 Science Camp?

- _____
- _____
- _____

- What would be your ideal 2018 Science Camp Theme?

- _____
- _____
- _____