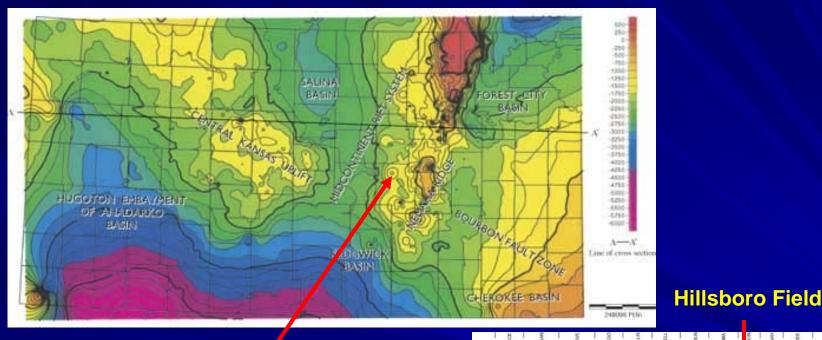
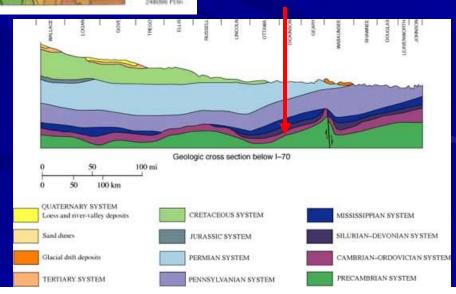
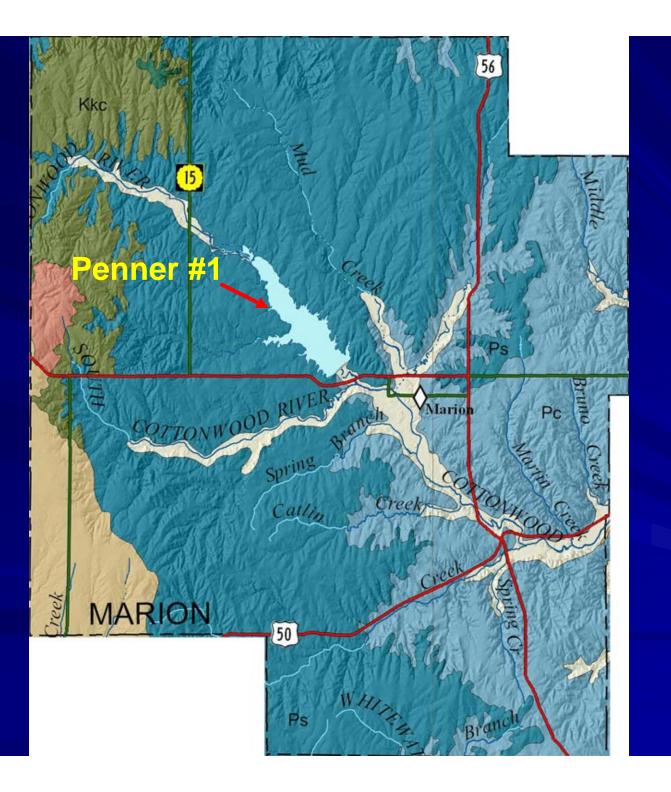
Configuration of Kansas Basement & Subsurface Cross Section



Location of Marion County and Hillsboro Field



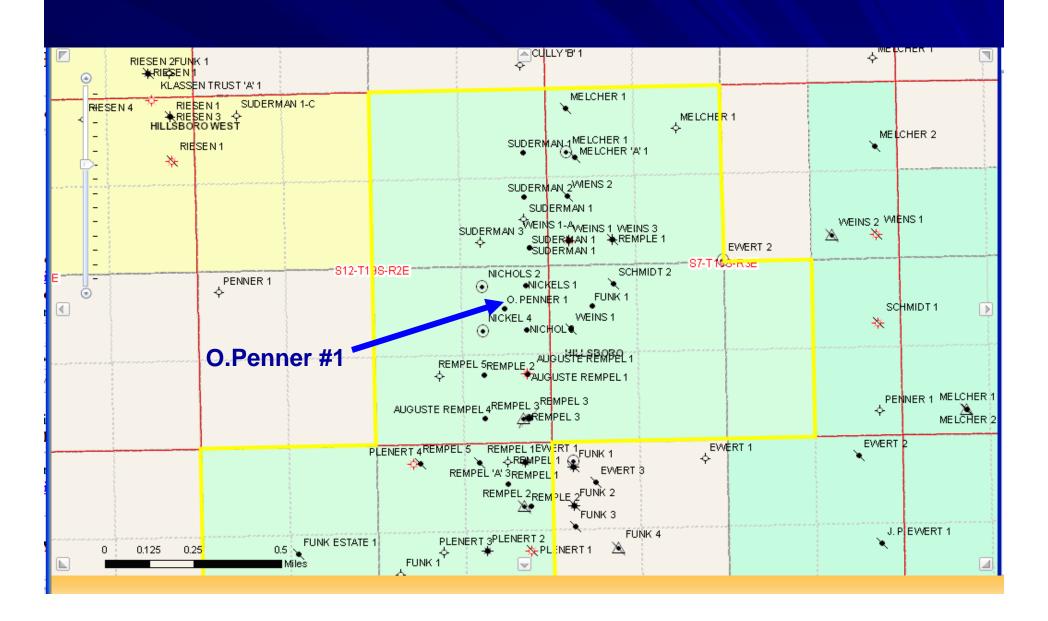


Marion County

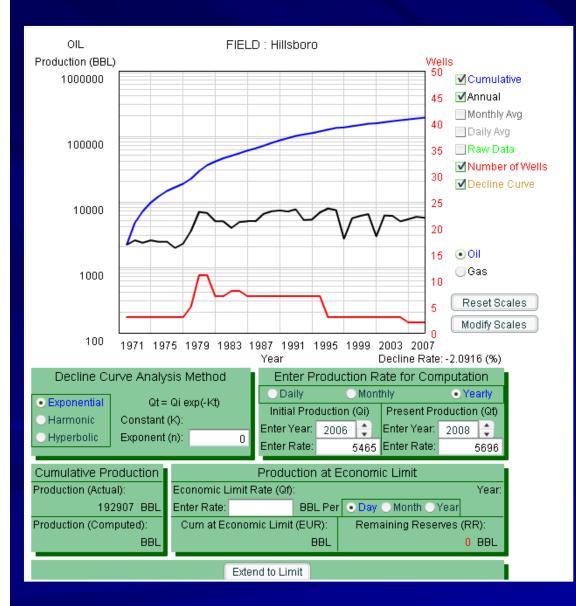
Surface Geologic Map

Location of Penner #1 well in Hillsboro Field

Section 7 and 12 with O. Penner #1 in Hillsboro Field, Marion County

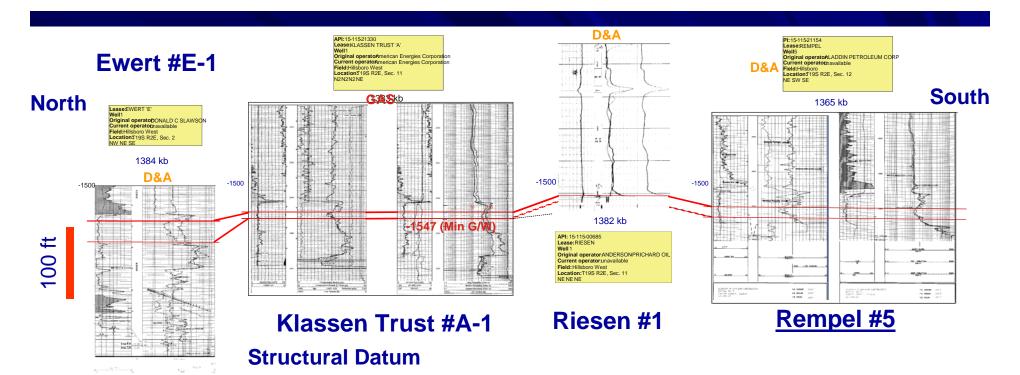


Hillsboro Field



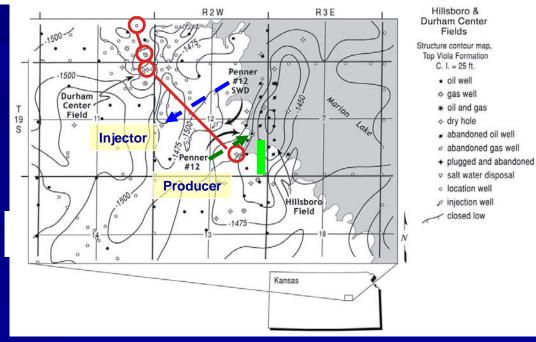
| <u>Year</u> | Annual | # wells | Cum. |
|-------------|--------|---------|---------|
| 2004 | 6,105 | 3 | 538,363 |
| 2005 | 5,042 | 3 | 543,405 |
| 2006 | 5,465 | 2 | 548,870 |
| 2007 | 5,923 | 2 | 554,793 |
| 2008* | 5,696 | 2 | 560,489 |

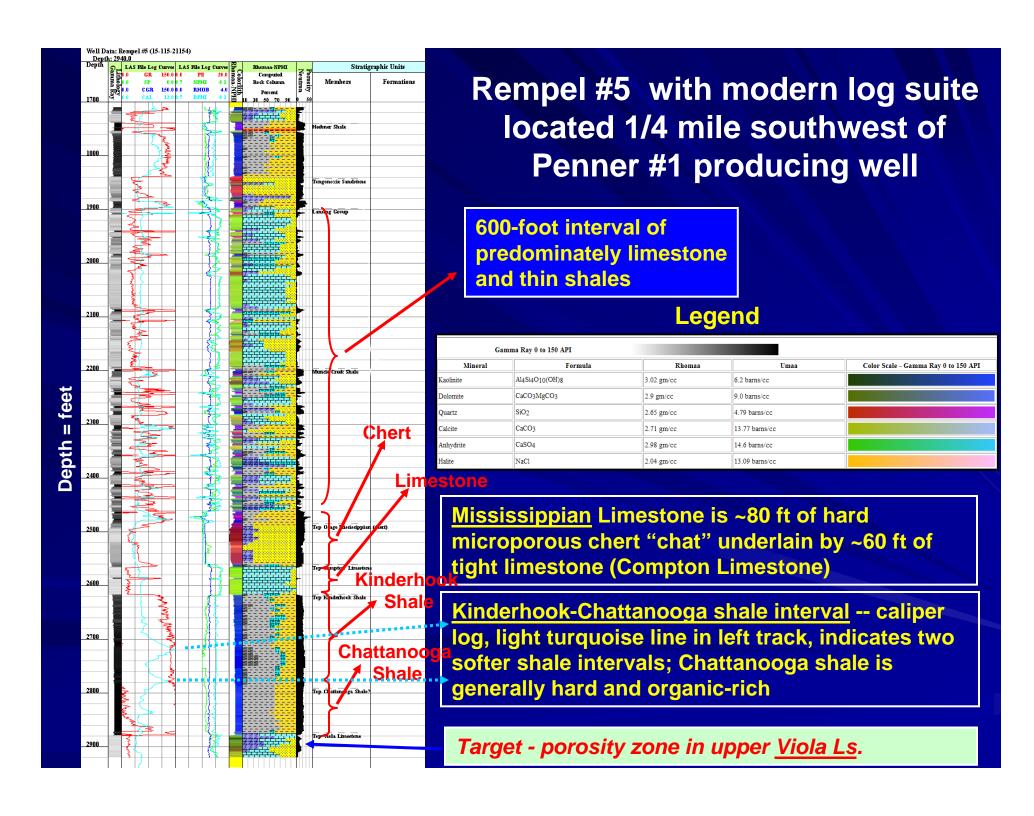
- Hillsboro Field discovered in 1928 with production from Mississippian chert (oil & gas) and Viola Ls.
- 22 original producing wells, cumulative 560,489 BO
- Currently:
 - Ave. 16 BOPD, 2 remaining wells
 - ~97% water cut
 - Increase total fluid result increase oil production

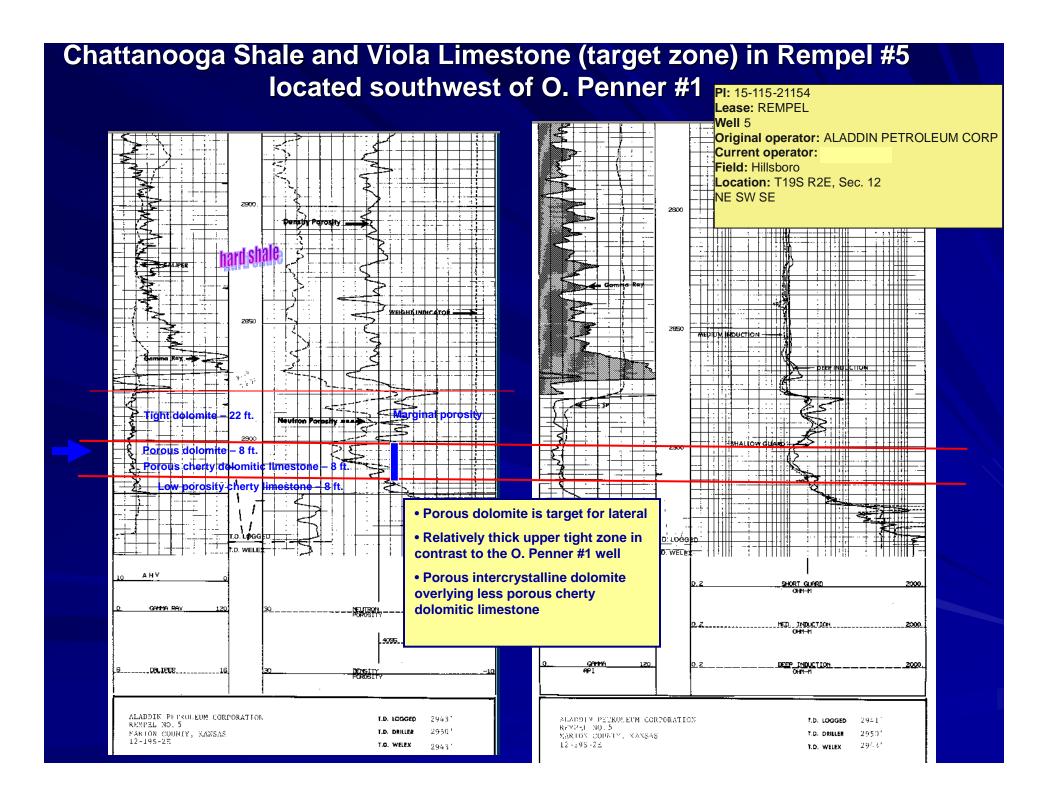


North-South Structural Cross Section in Vicinity of the Penner Lease in Hillsboro Field, Marion County, Kansas.

Structure Map to Viola Limestone Pay Cross section index

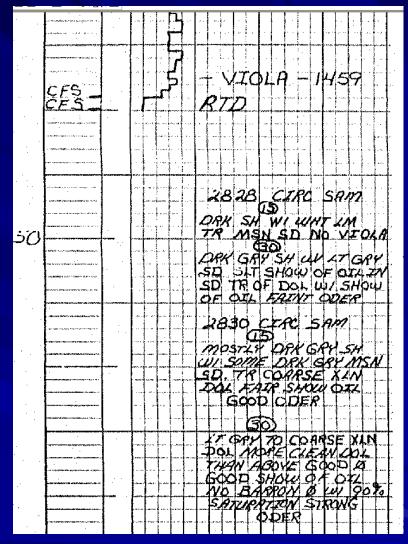






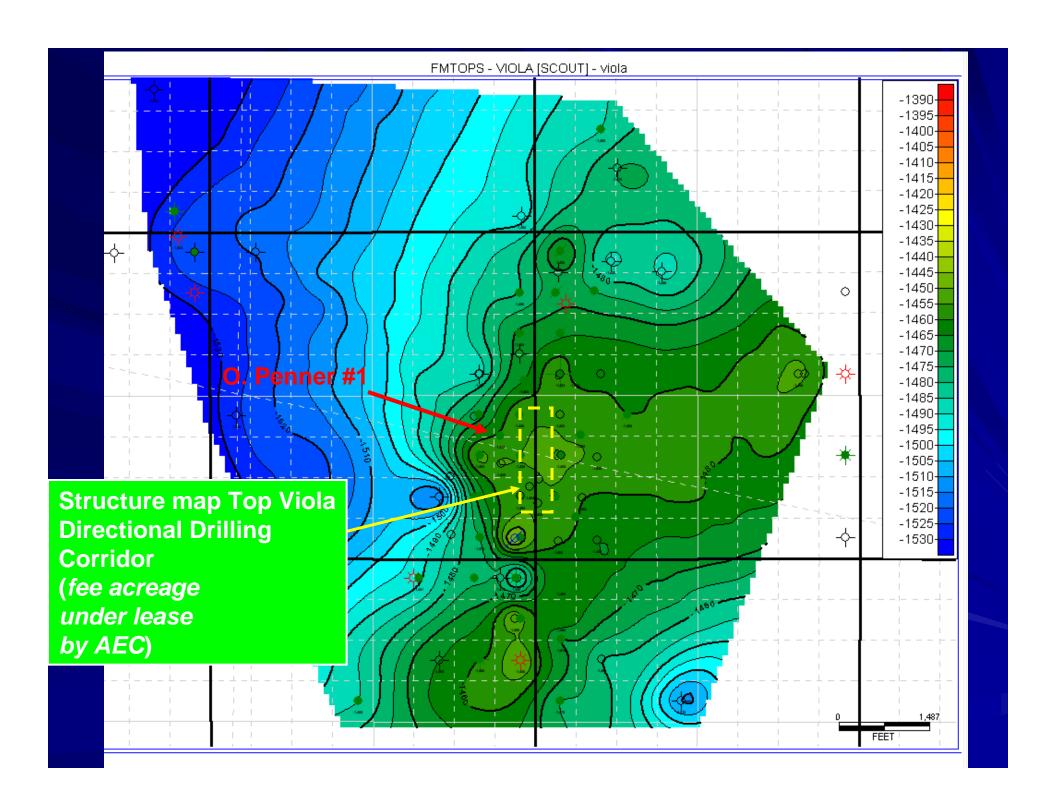
Drillers Log on O. Penner #1

| STATE | GOMPANYWILDCAT RES. TNC | | |
|--------------------|---|--|--|
| COUNTY | COMPANY WILD CAT RES. TNC FARM WELL NO. O. PENNER I | | |
| BLOCK | SURVEY 1980 N F - 5E CNE SE 660 W F SE | | |
| SEC. 12 | 4PI# 115-21,133 2830' | | |
| 1. R. 19 2E | TOTAL DEPTH | | |
| | CONTRACTOR KANSAS ZIPTLLTNG | | |
| | COMMENCED 8-20-84 | | |
| | COMPLETED 8-25-84 | | |
| ALTITUDE | BEMARKS BIT TRIP 2620 | | |
| PRODUCTION 1366 KB | | | |
| CASING RECORD | | | |
| | GL 2827 OF 52" 15.5# | | |
| CEMENTED L | 11 150 K.B. 100 SAX 60-40 POZ | | |
| | ACOMMON WI SLAS GIL PER SACK | | |
| 3% CC a C | TACULATED 'S LB FLOW SEAL YOF | | |
| SHOT | U% CR-2 QUANTS BETWEEN | | |
| | MALITAÇI | | |

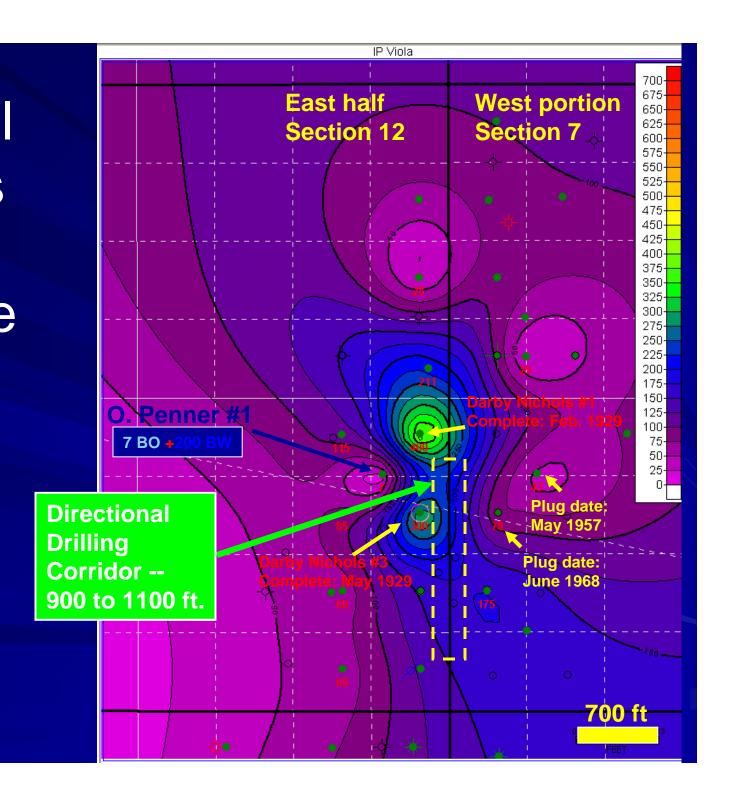


Top Viola: 2825 ft. (-1459 subsea)
TD: 2830 ft (5 ft below top of Viola Ls.)
Casing shoe: 2827 ft.

Circulate at 2828: trace dolomite
Circulate at 2830: coarsely crystalline
Dolomite good porosity and even
Oil show (est. 90% saturation)



Initial Well Potentials for Viola Limestone as reported on scout tickets



Vitals for Directional Drilling

- Optimal to drill new well with hybrid coiled tubing rig using latest directional drilling technology
 - More cost effective that re-entry of old well fast drilling, precise
 - Avoid mechanical problems and possible fluid leaks in old casing which could junk new well or water-out lateral
 - Cost effective, short down hole assembly, LWD suite, near real-time data for logging and steering
 - Drill on existing well site right of way with low environmental impact, portable self contained system with small footprint and no or limited in ground pit construction
- Depth for target horizon: ~2900 ft.
- Kickoff point to begin lateral: ~2600 ft. in dense Mississippian Compton Ls., avoiding overlying water and gas in Mississippian 'chat'
- Build interval for lateral: estimate 200 to 250 ft vertical depth to achieve flat entry into pay
- Length of lateral: 600 to 1100 ft.
- Pay: Sucrosic dolomite with scattered dense chert nodules
- Porous interval: 10-25 ft.
- Overlying formation: hard Chattanooga shale

Viola Petrophysics

Petrophysical Properties (from Dave Newell)

Permeability

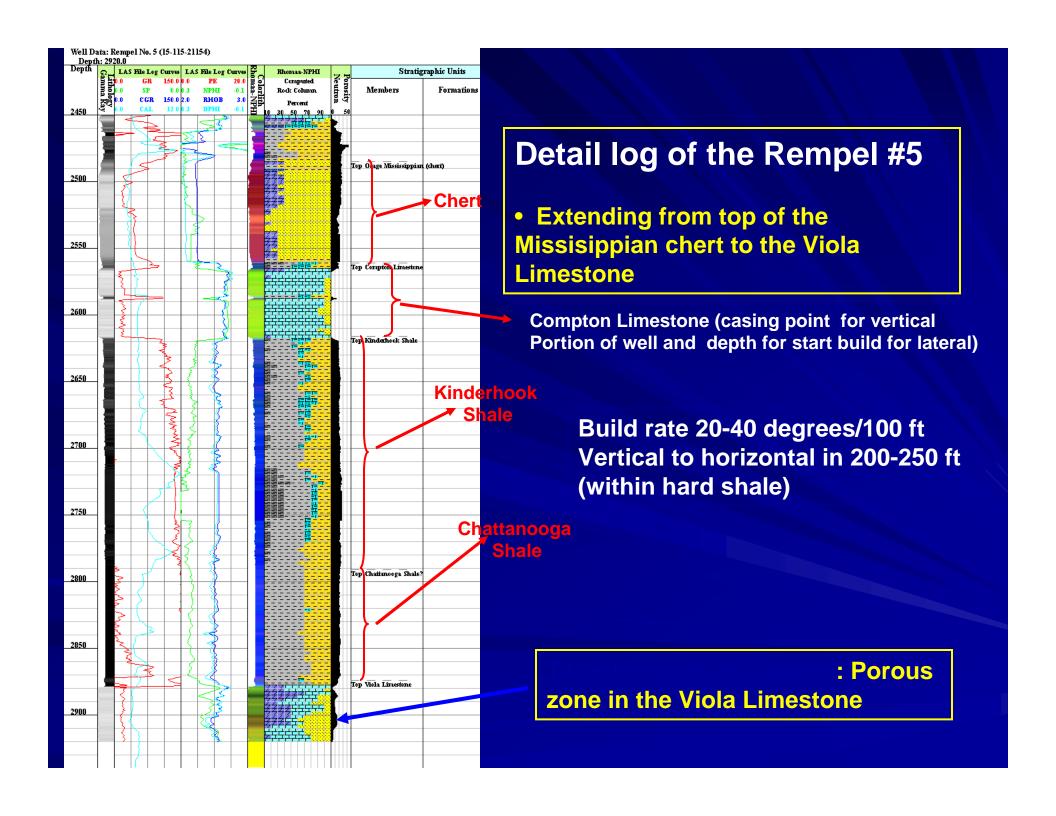
Normally between 15 to 55 md

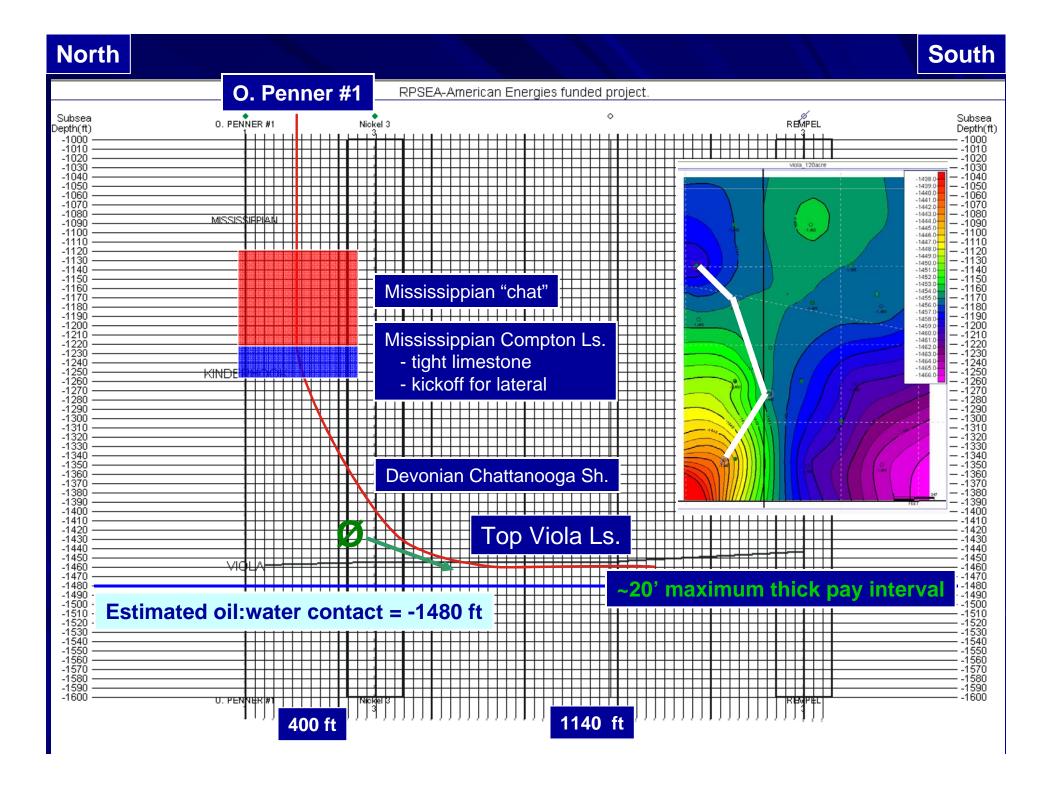
Average 25 md

May be as 80 md (due to fractures)

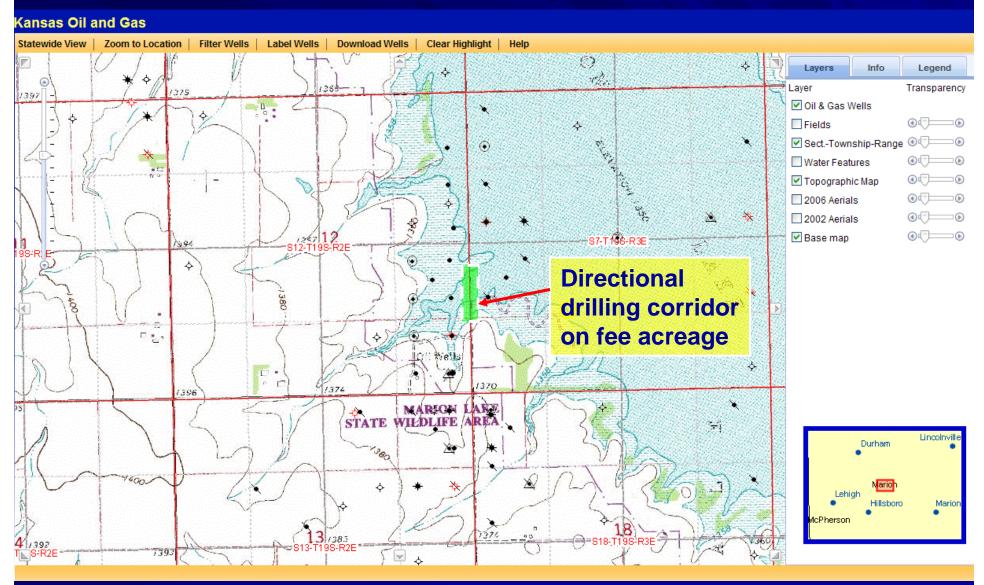
Porosity

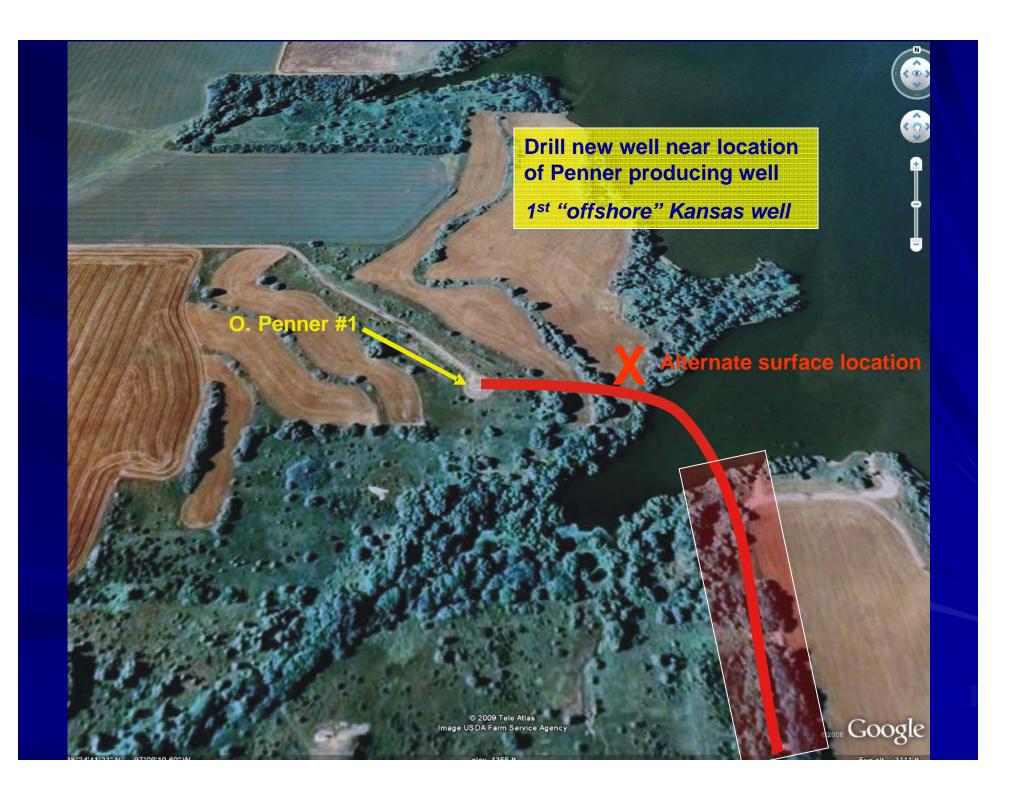
Normally between 12 to 14%



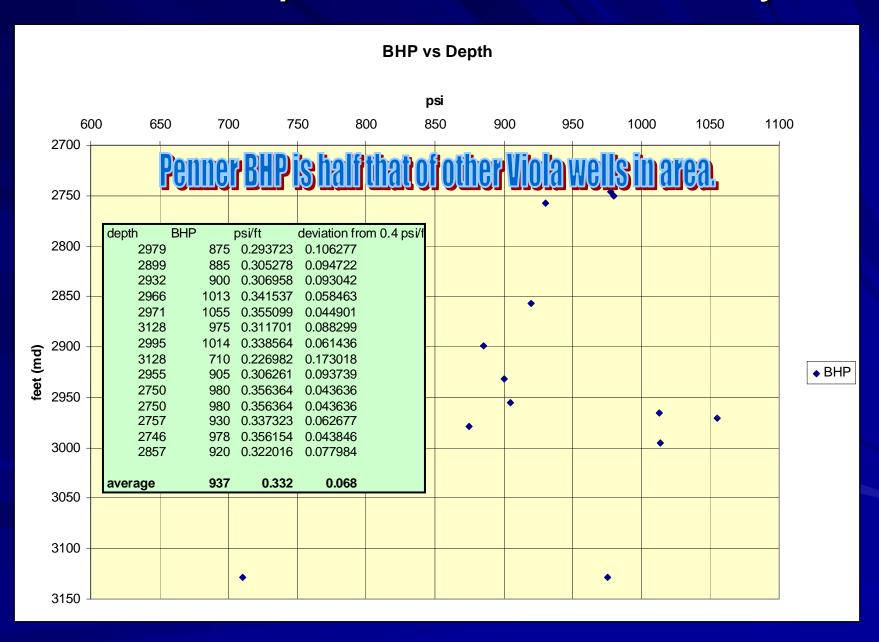


Hillsboro Field and surface topography with location of O. Penner and directional drilling corridor

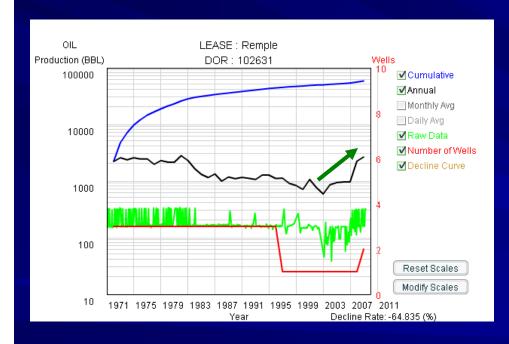


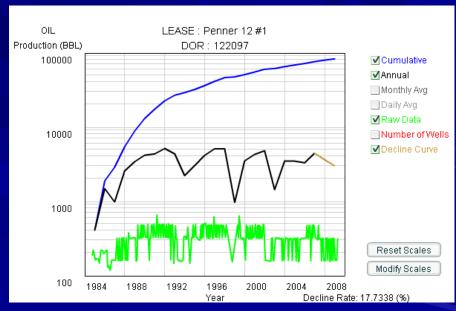


Bottom hole pressure from nearby wells



Remple lease, adjacent to Penner on south Increase in production in 2008 to 2660 bbls. Similar elevation as Penner, off structure





Viola -1443
Remple #3 in se se se
Shut-in BHP: _____
Cumulative production: 59,000 bbls

Viola -1459
Penner #12-1 in c ne se
Shut-in BHP: ~ 400 psi??
Cumulative production: 84,000 bbls

Conclusions

- Low pressure encountered in Penner well suggest limited reservoir without a strong water drive
- Locations updip from Penner on crest of anticline may be drained by Penner well
- Gravity drainage of oil downdip from crest of structure may account for increase in oil production in Penner well and nearby lease to south
- Drilling lateral on crest of anticline east of the Penner well deemed unnecessary since oil is probably being drained by downdip wells.
- Moved on to study Unger Field