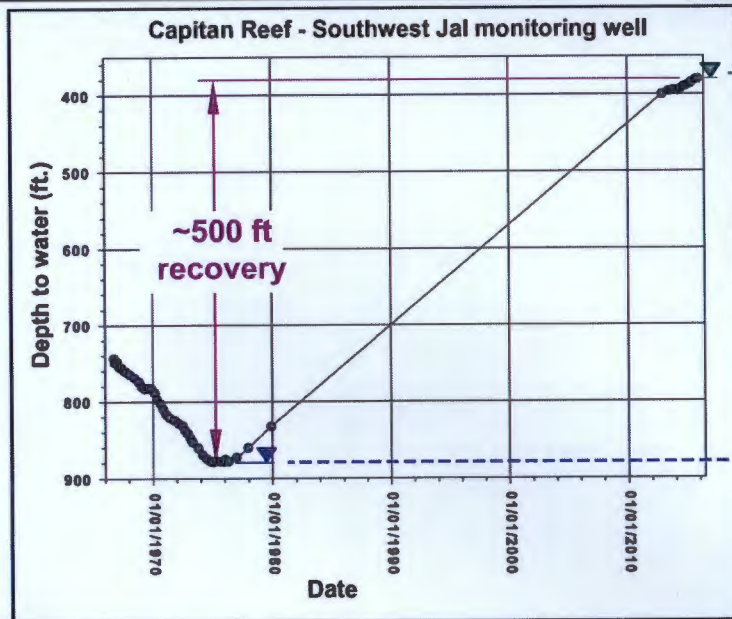
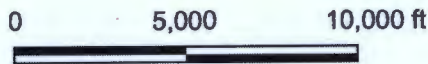
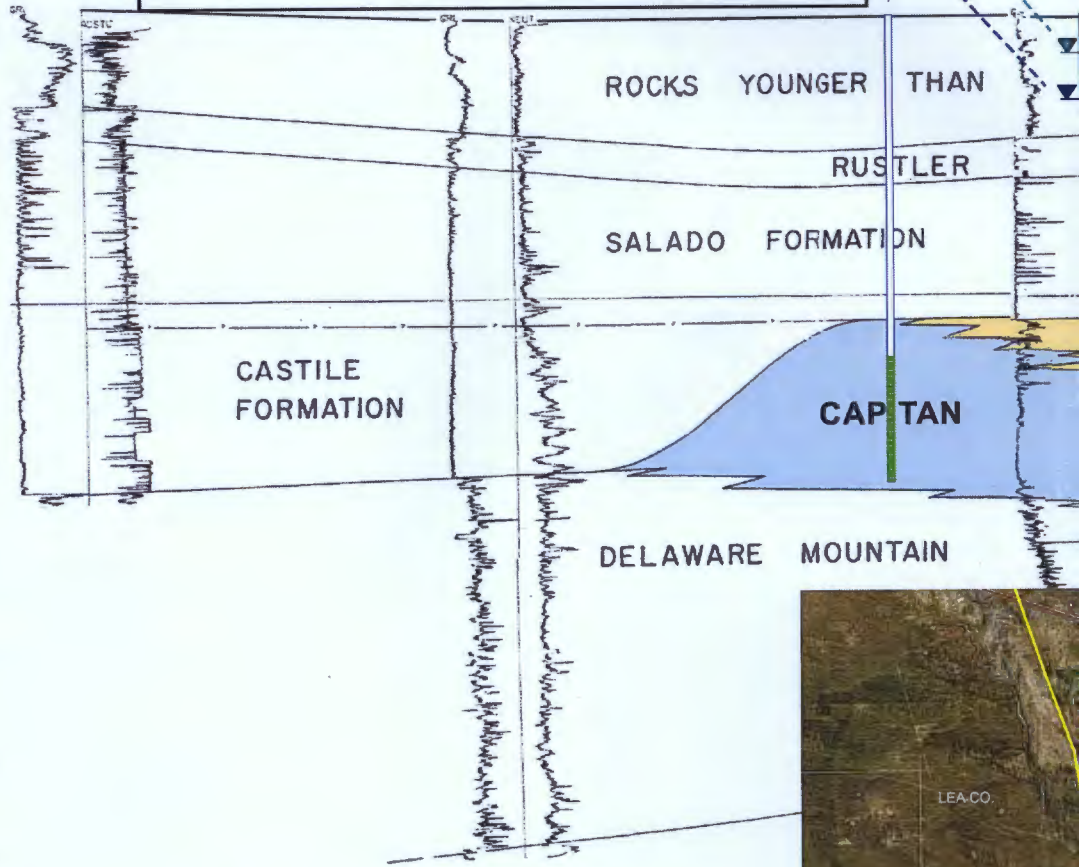
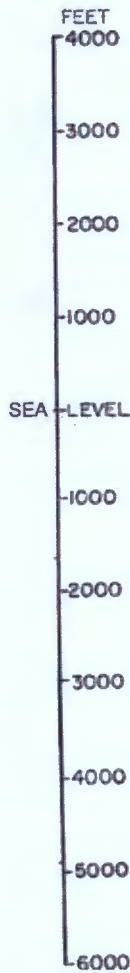


Exhibit
13

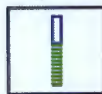
D'
West



Elevation (ft msl)



Explanation



Well with perforated or open interval



Historical high water level elevation

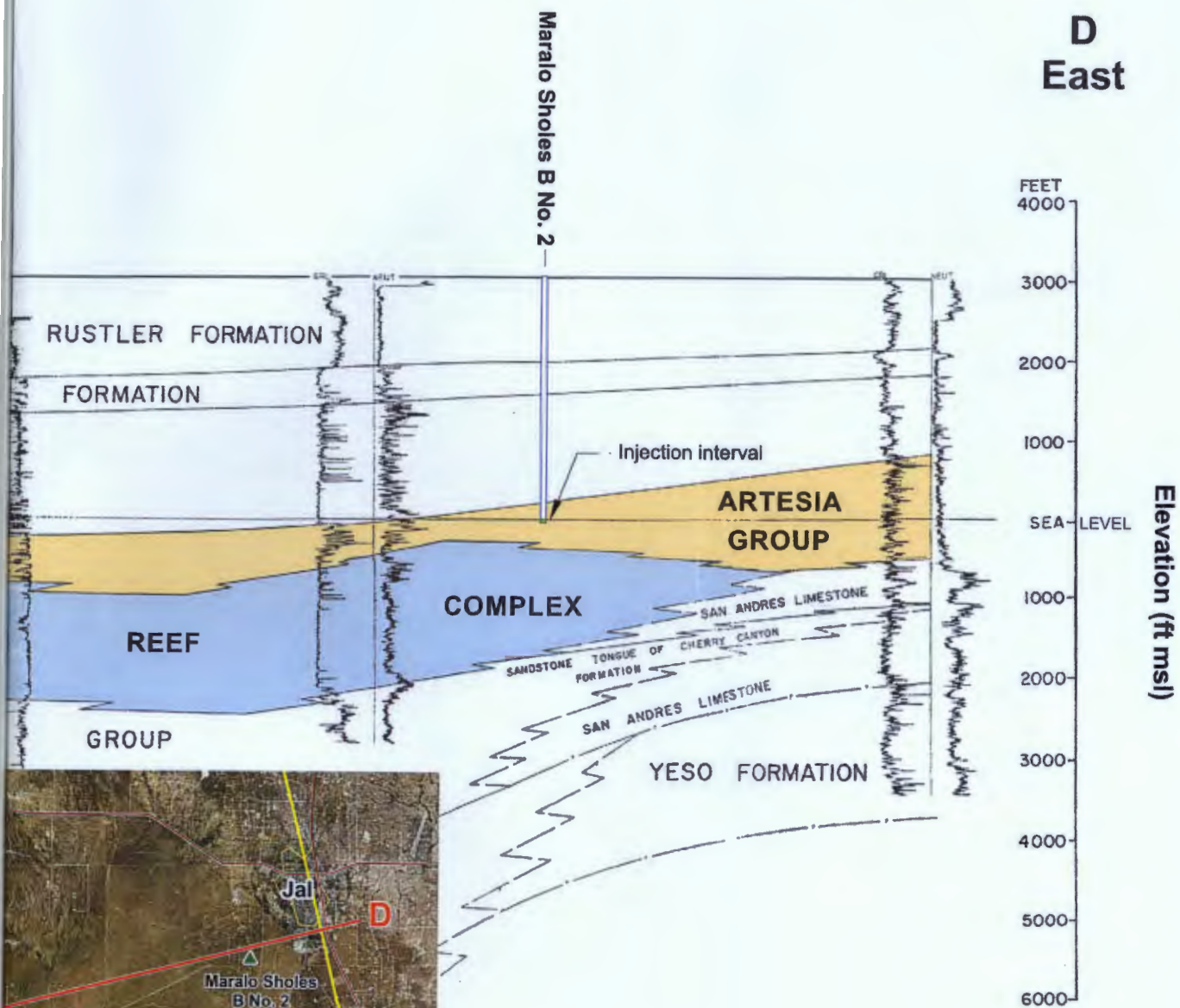


Historical low water level elevation



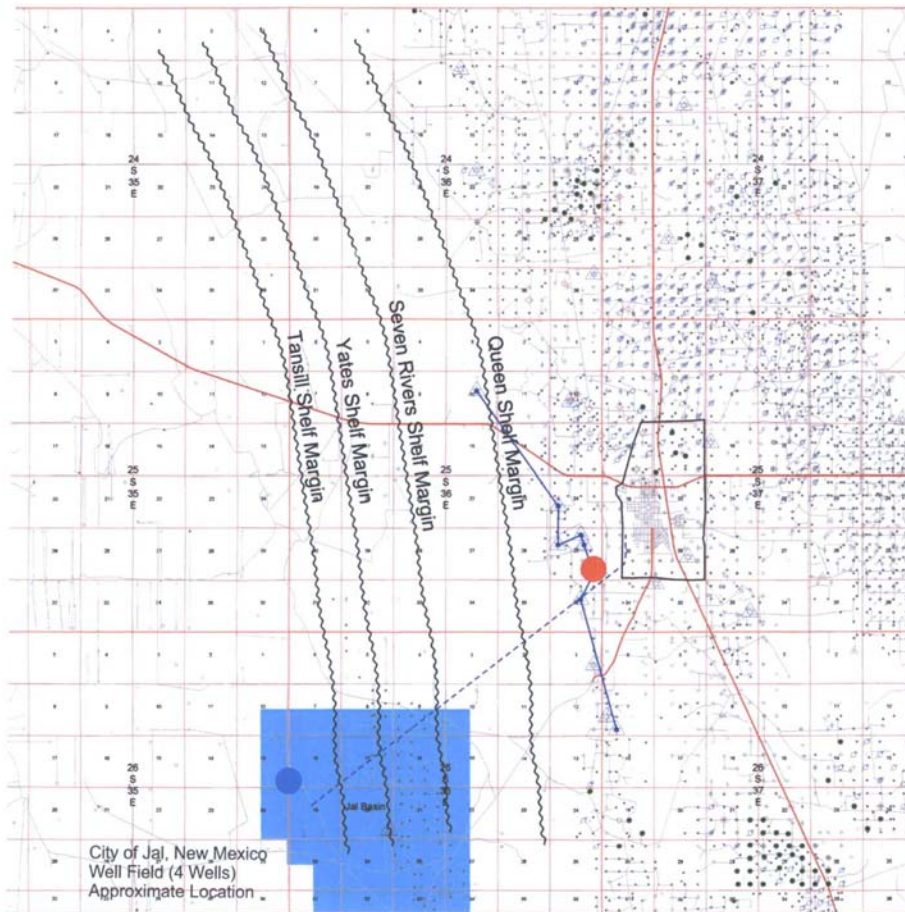
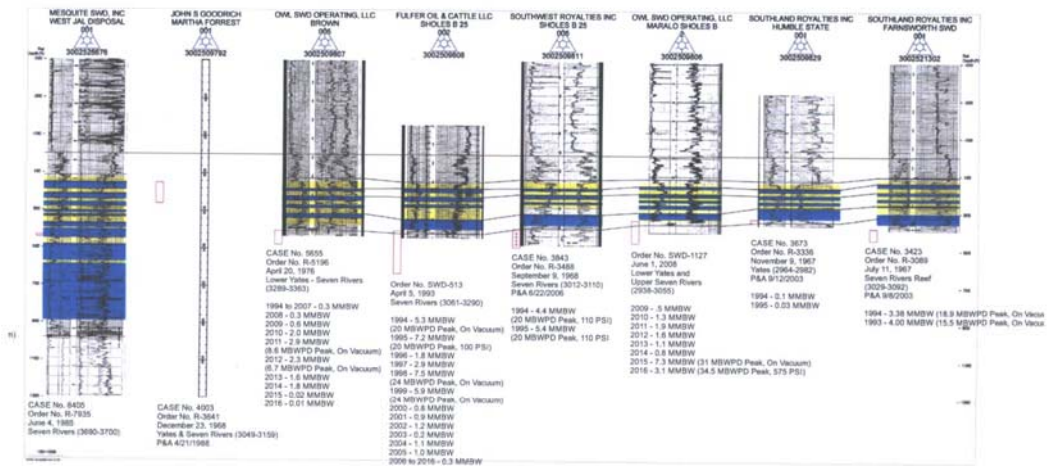
Daniel B. Stephens & Associates, Inc.
8/3/2017 JN DB17.1137

Q:\Projects\DB17.1137_OWL_SWDIVR Drawings\Blandford Rebuttal-XX Hydraulic Head Open Intervals Along Cross Sec D-D' from Hiss.dwg



Cross section location

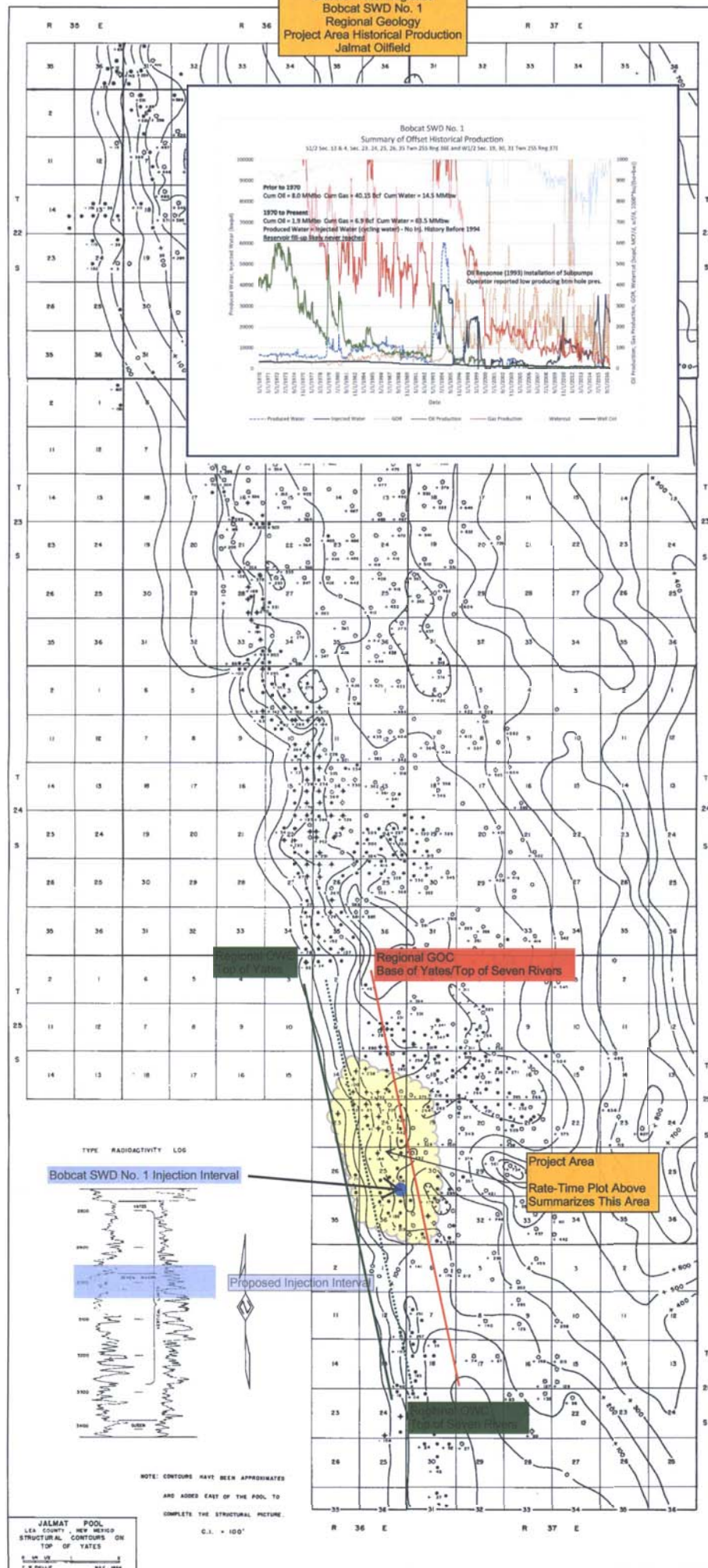
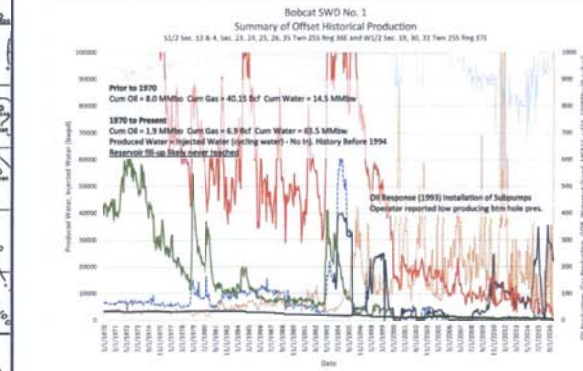
OILFIELD WATER LOGISTICS
**Hydraulic Head and Open Intervals Along
 Cross Section D-D' from Hiss (1975a)**



Jal, New Mexico (Artesia Group) Injection Wells Map

Exh

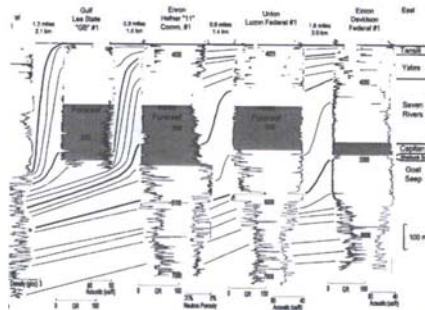
Oilfield Water Logistics
Bobcat SWD No. 1
Regional Geology
Project Area Historical Production
Jalmat Oilfield



2
1

Jal, New Mexico (Middle Seven Rivers) Lithology Map

Bobcat



a-section using wells located near the seismic line shown in Figs. 3 and 4. Stratigraphy and shelf-to-basin correlations for the Captain Reef system are approximately dip-oriented. Correlations follow seismic geometries as well as log patterns. Section is stratigraphic; datum is for basin well where up Castle is used. Well locations are shown in Fig. 1.

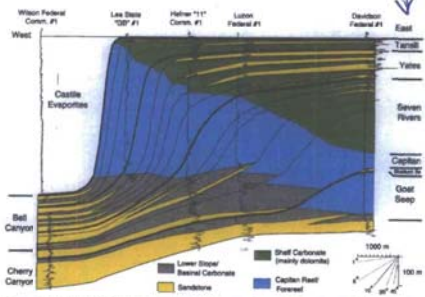
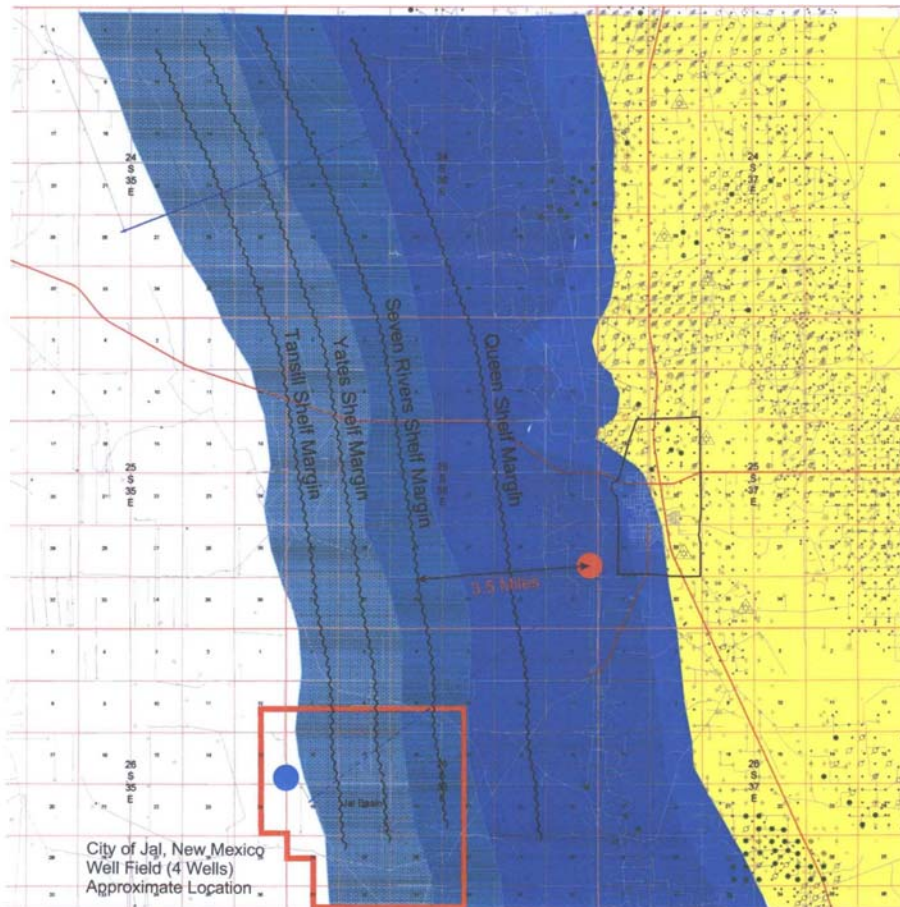
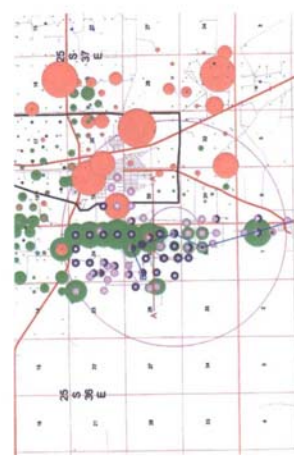
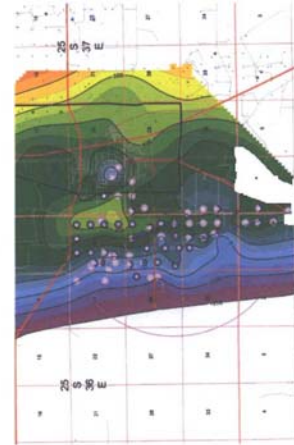
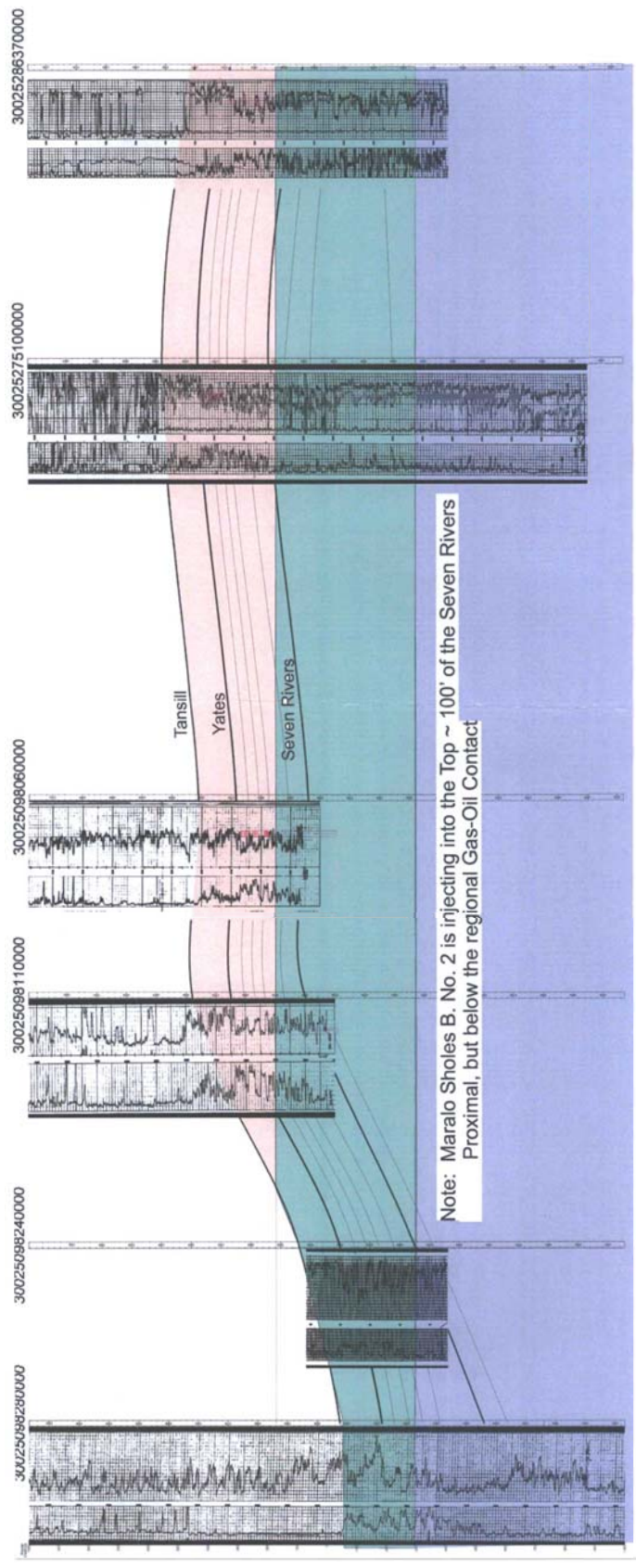


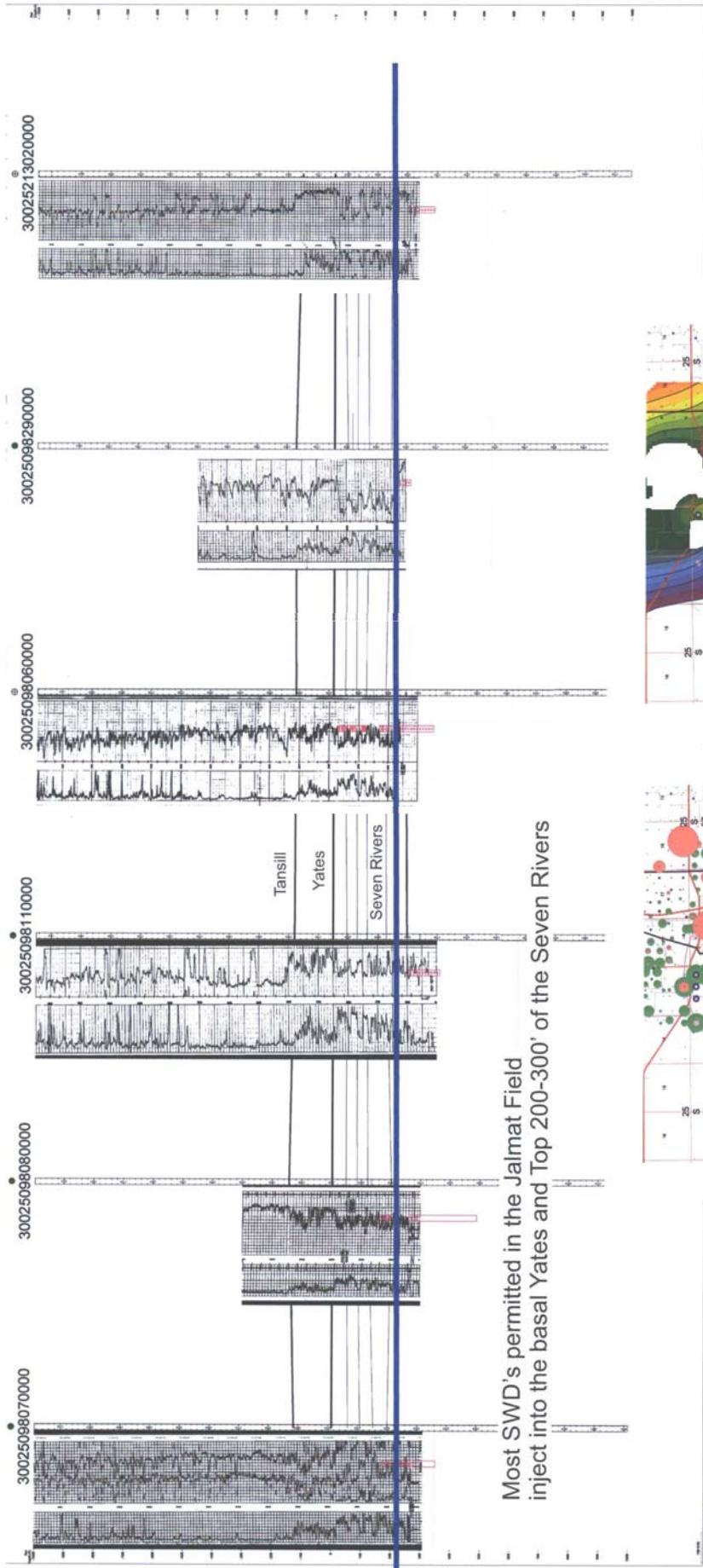
Fig. 1.—Stratigraphic cross-section of the Captain Reef system showing gamma-ray logs, stratigraphic correlation, and lithology. Section is stratigraphic; datum is for basin well where up Castle is used. Well locations are shown in Fig. 1.

Harris, P. M. and Saller, A. H., "Subsurface Expression of the Captain Reef System and Implications for Hydrocarbon Reservoirs, Northeastern Delaware Basin", *Geologic Framework of the Captain Reef*, Society of Sedimentary Geology (SEPM), 1999.



Owl SWD Oper.
 Maralo Sholes B #
 30-025-09806
 SWD-1127 (June)
 Lower Yates / Upg
 Open Hole 2938-





Most SWD's permitted in the Jalmat Field
inject into the basal Yates and Top 200-300' of the Seven Rivers

