

# Randy Stilwell - Sr. Geologic Advisor

## Education:

BS (Geology) – Cleveland State University

MS (Earth Sciences) – Univ. of New Orleans

## Work Experience:

34 years as a Petroleum Geologist ( 22 years in Permian Basin)

- Shell Oil Company – 1979-2000
  - Exploration Geologist on numerous U.S. onshore plays including: Williston Basin (N.D.), Michigan Basin, Rio Grande Rift (N.M. & CO), Permian Basin (TX & N.M.) and Texas Gulf Coast.
- Oxy Permian– 2000 to present
  - Integrated Reservoir Management Geologist responsible for creating 3-D geologic models of Oxy-operated properties in the Permian Basin, including Hobbs Field.
  - Currently: Production Geologist assigned to the Hobbs Field team, utilizing the 3-D model I created & revised, to assist in improving field performance, including the implementation of CO2 flood in a portion of the North Hobbs Unit.



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## Professional Affiliations:

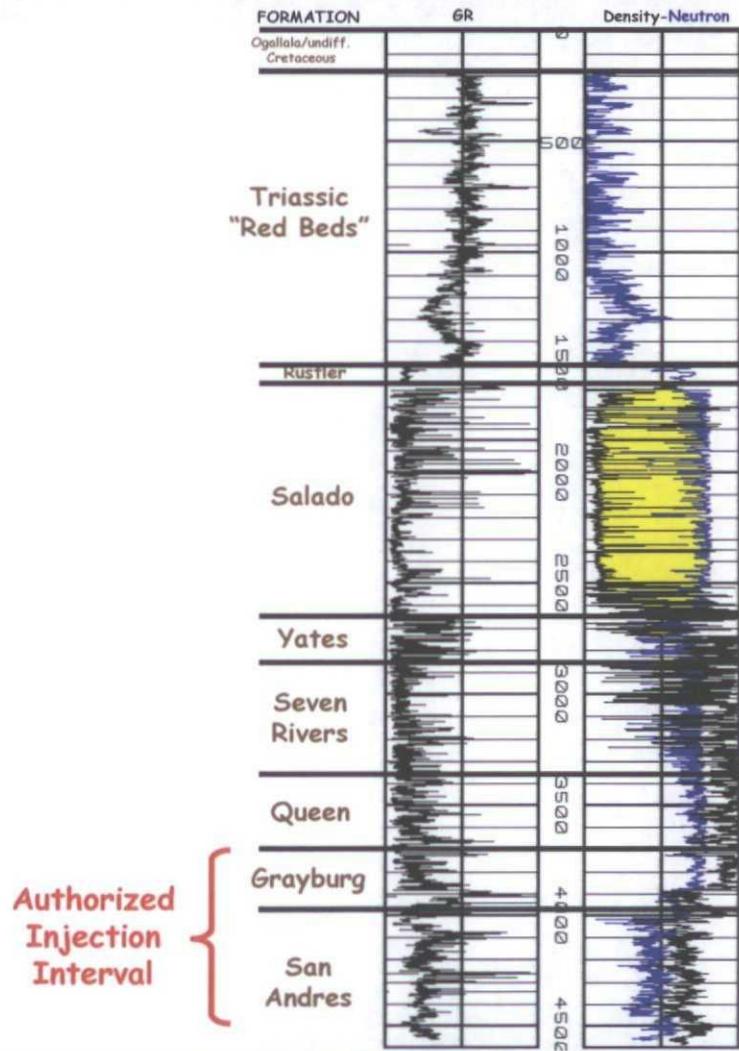
- American Association of Petroleum Geologists
- Houston Geologic Society
- West Texas Geologic Society
- Permian Basin Section-Society of Economic Paleontologists and Mineralogists

## Certifications:

- Texas licensed Professional Geoscientist (#6375)



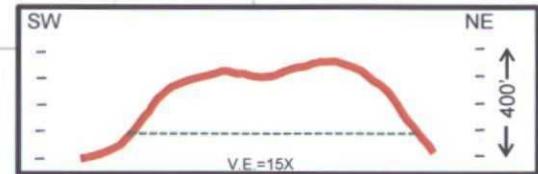
# North Hobbs Unit General Type Log



# Hobbs Field Structure Map

North Hobbs Unit

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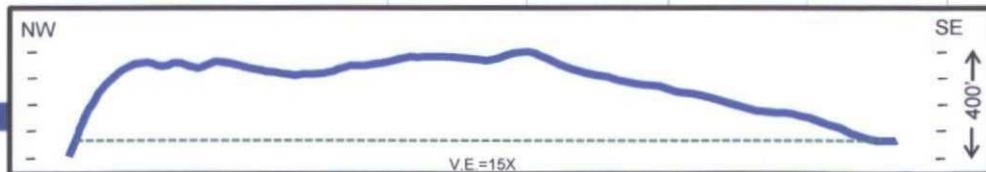


Hobbs Field  
Lea County, N.M.

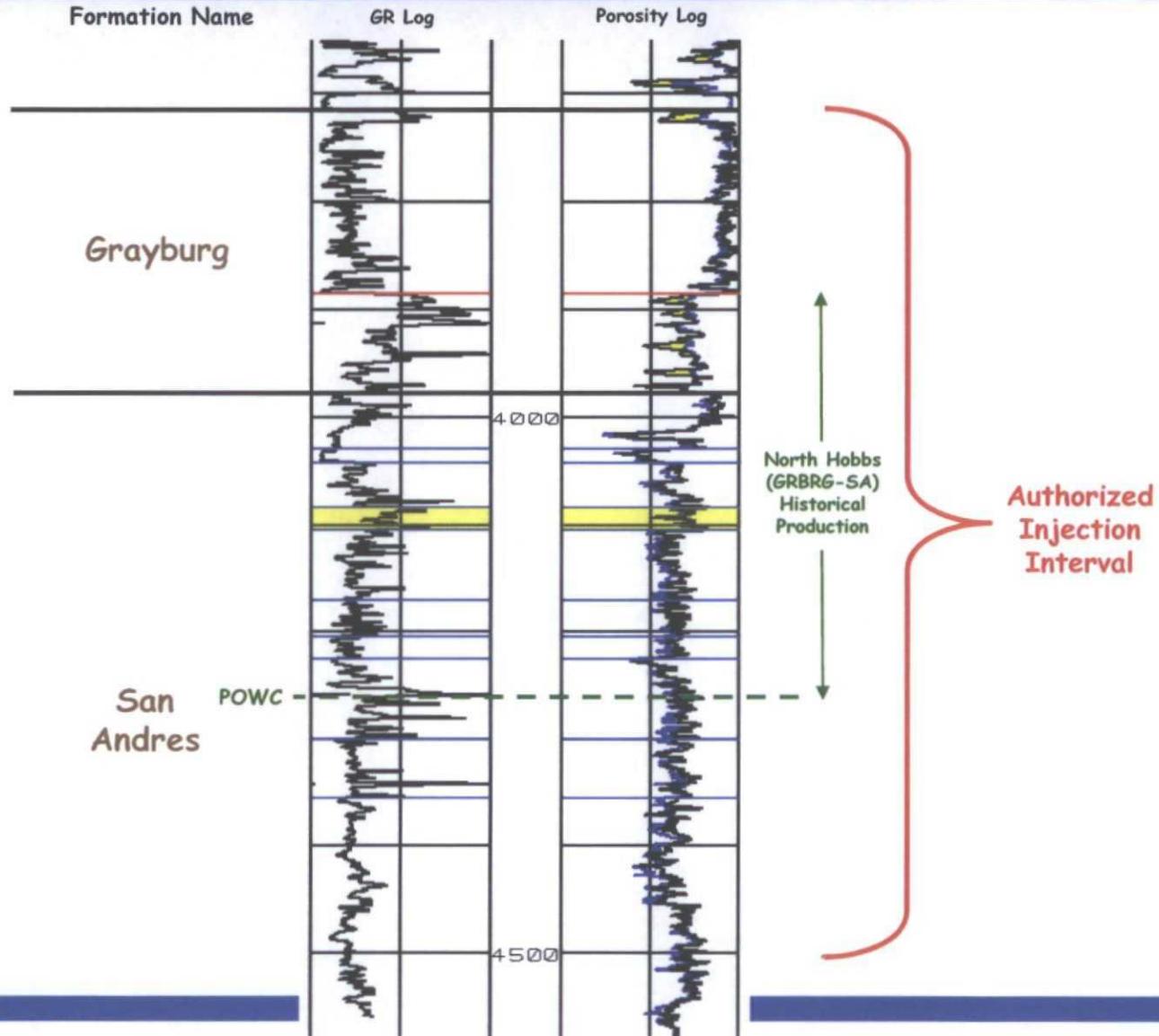
Subsea Structure Map  
Top San Andres Fm.  
(C.I. = 50')

POWC -----

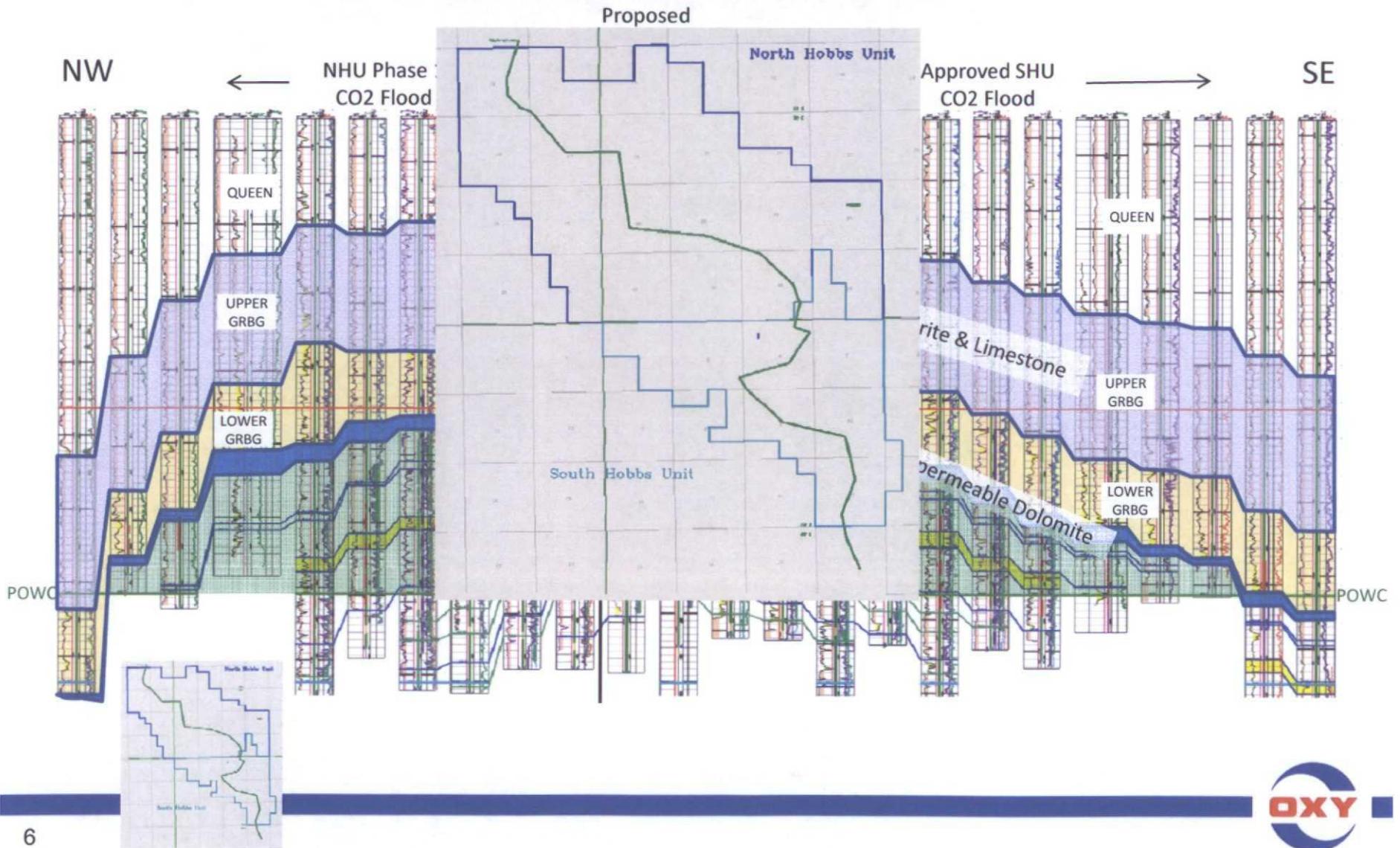
South Hobbs Unit



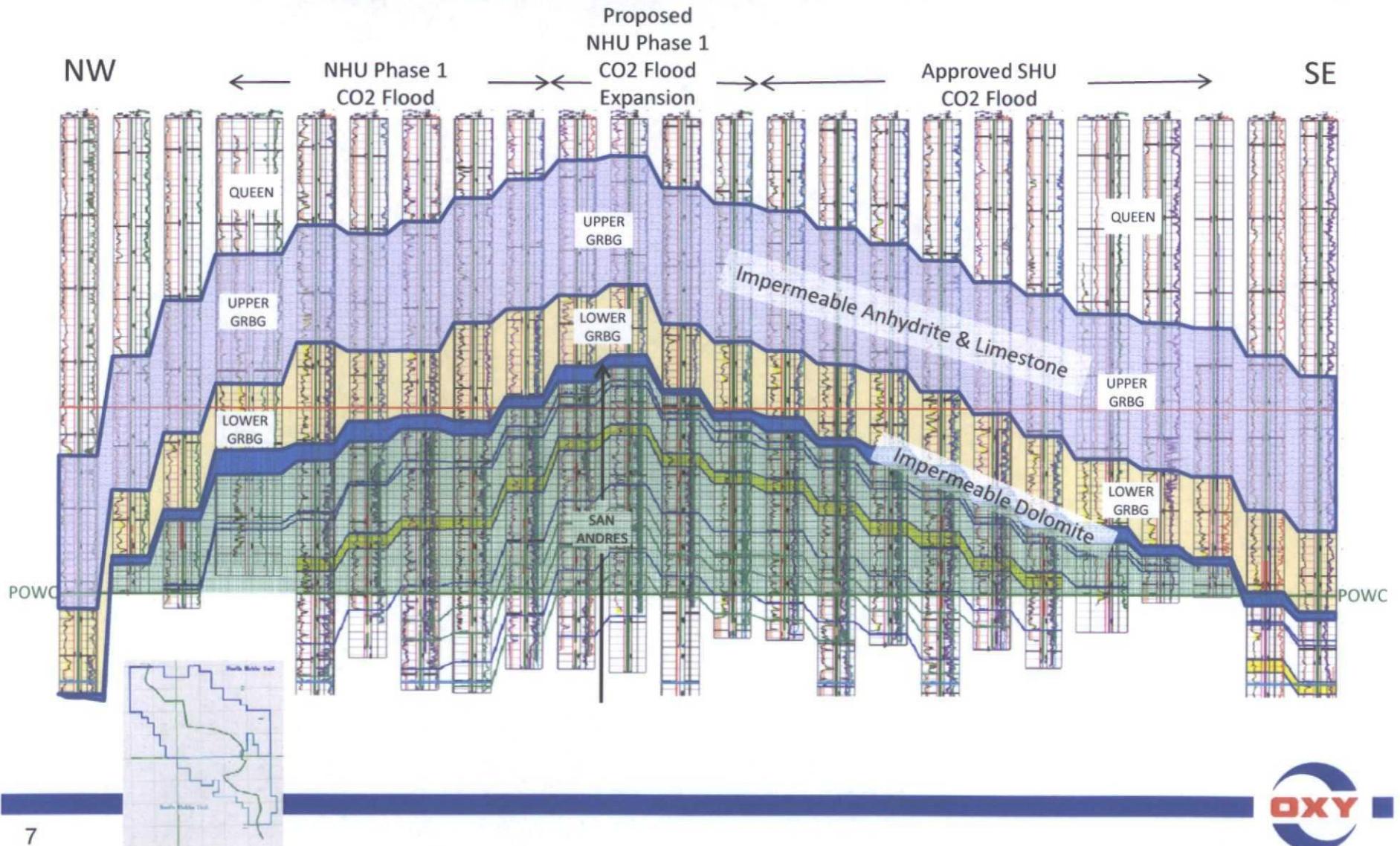
# North Hobbs Unit Detailed Type Log



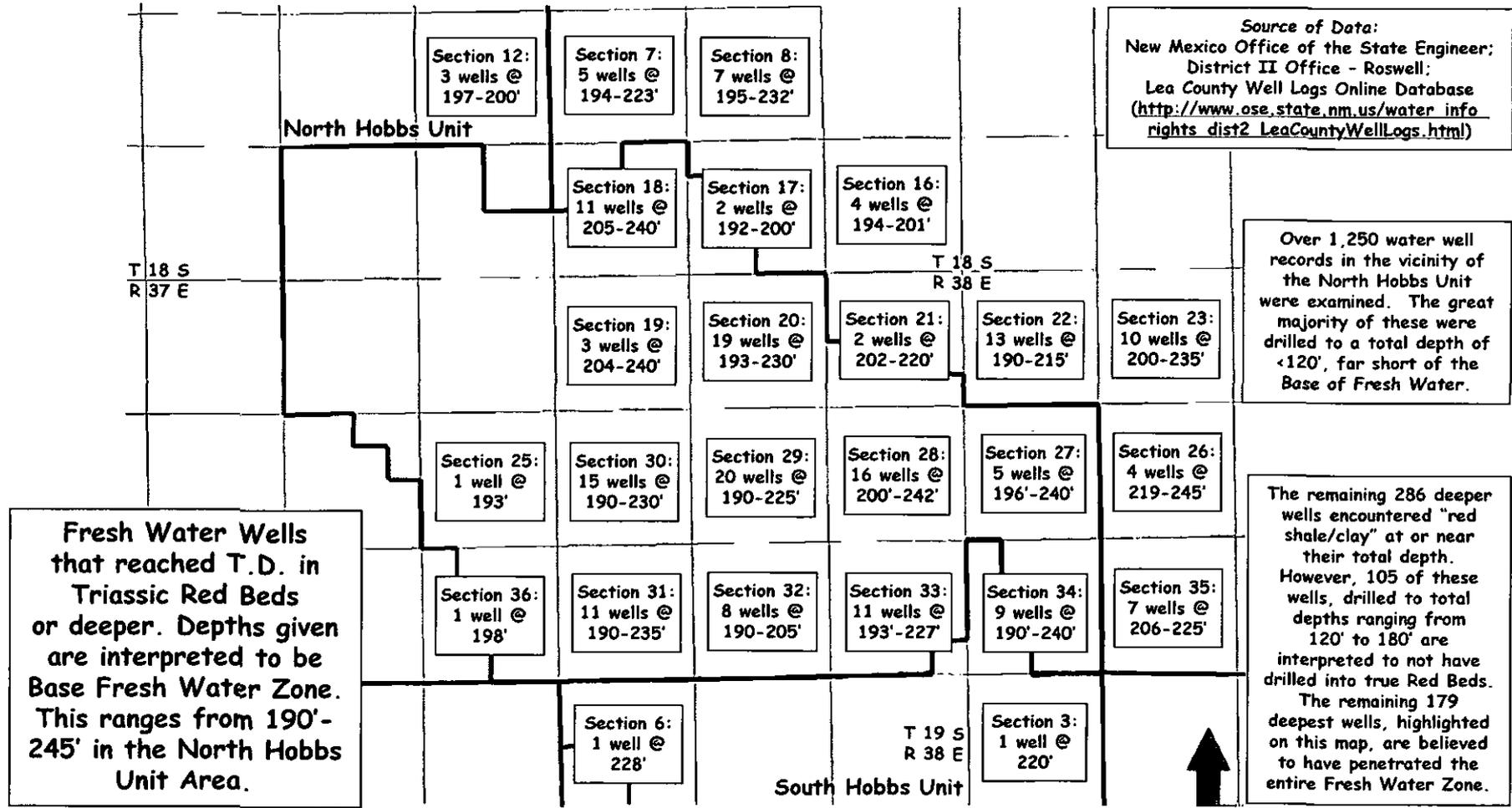
# Hobbs Field Regional Cross-section



# Hobbs Field Regional Cross-section



# North Hobbs Unit - Base Fresh Water Zone



# North Hobbs Unit Type Log – Fresh Water Zones Isolation

