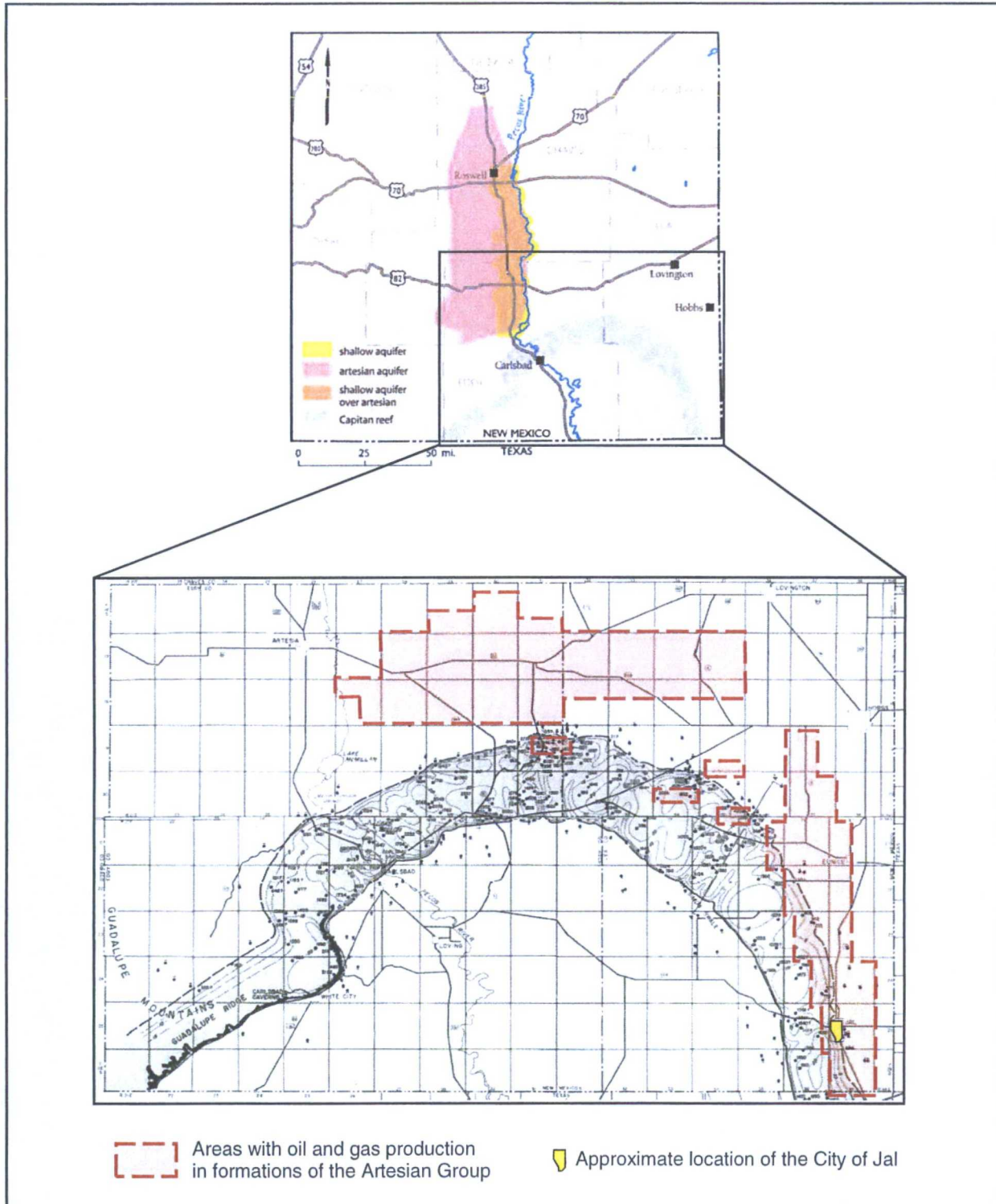




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FIGURE 1: General Location Map of City of Jal and Related Geologic Features





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FIGURE 2: Aerial Photograph Map Showing Major Features and Wells Near the Maralo Sholes B Well No. 2 Location

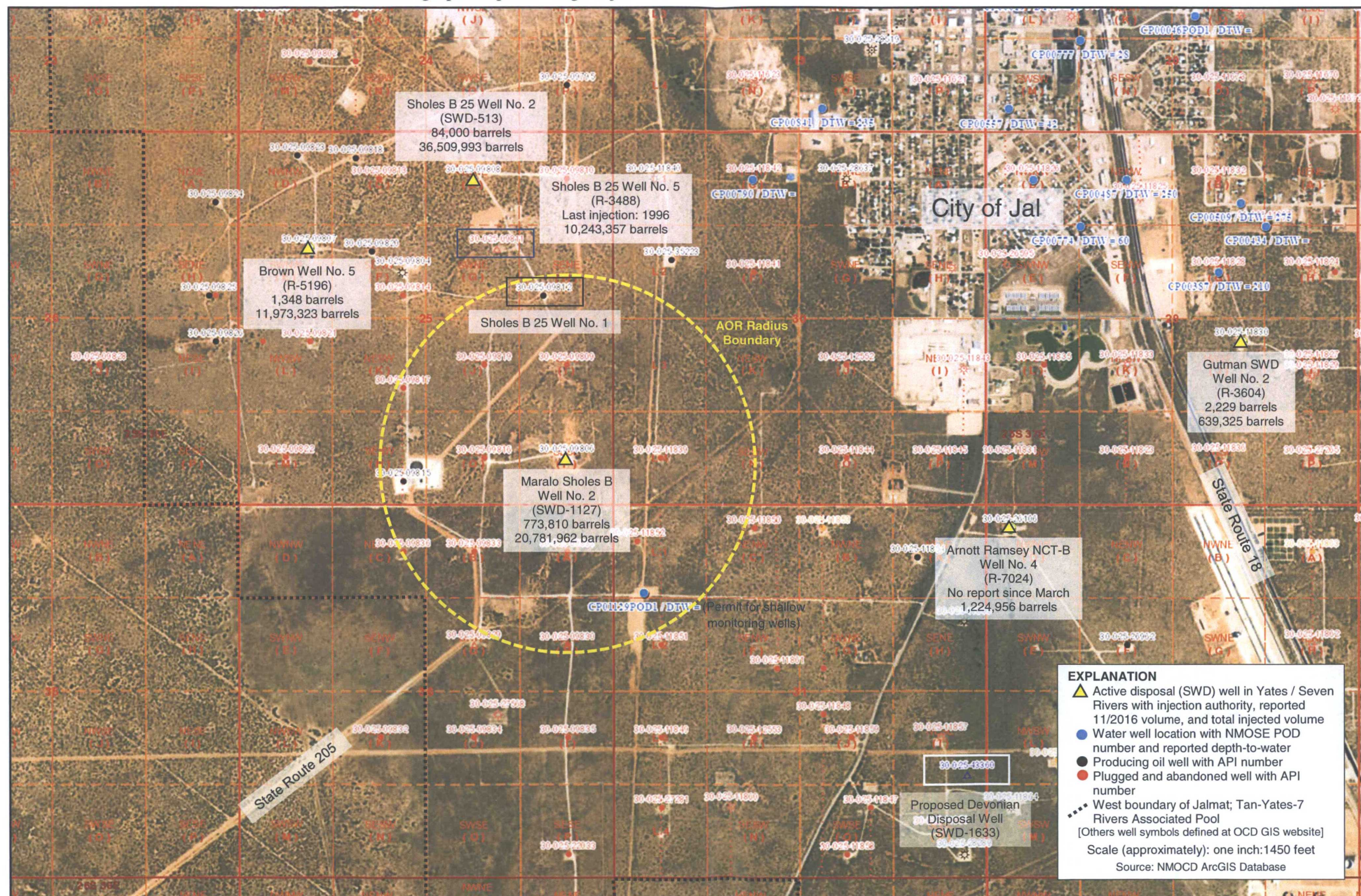




FIGURE 3: Well Completion Diagram for the Maralo Sholes B Well No. 2

Maralo Sholes B Well No. 2 (SWD-1127)
API 30-025-09806
OWL SWD Operating, LLC
UL P, Sec 25, T25S, R36E, NMPM; Lea County

Footage: 660' FSL & 660' FEL
Spud Date: 5/25/1947
Status: Former Yates Producer
Author: PRG; 1/2017

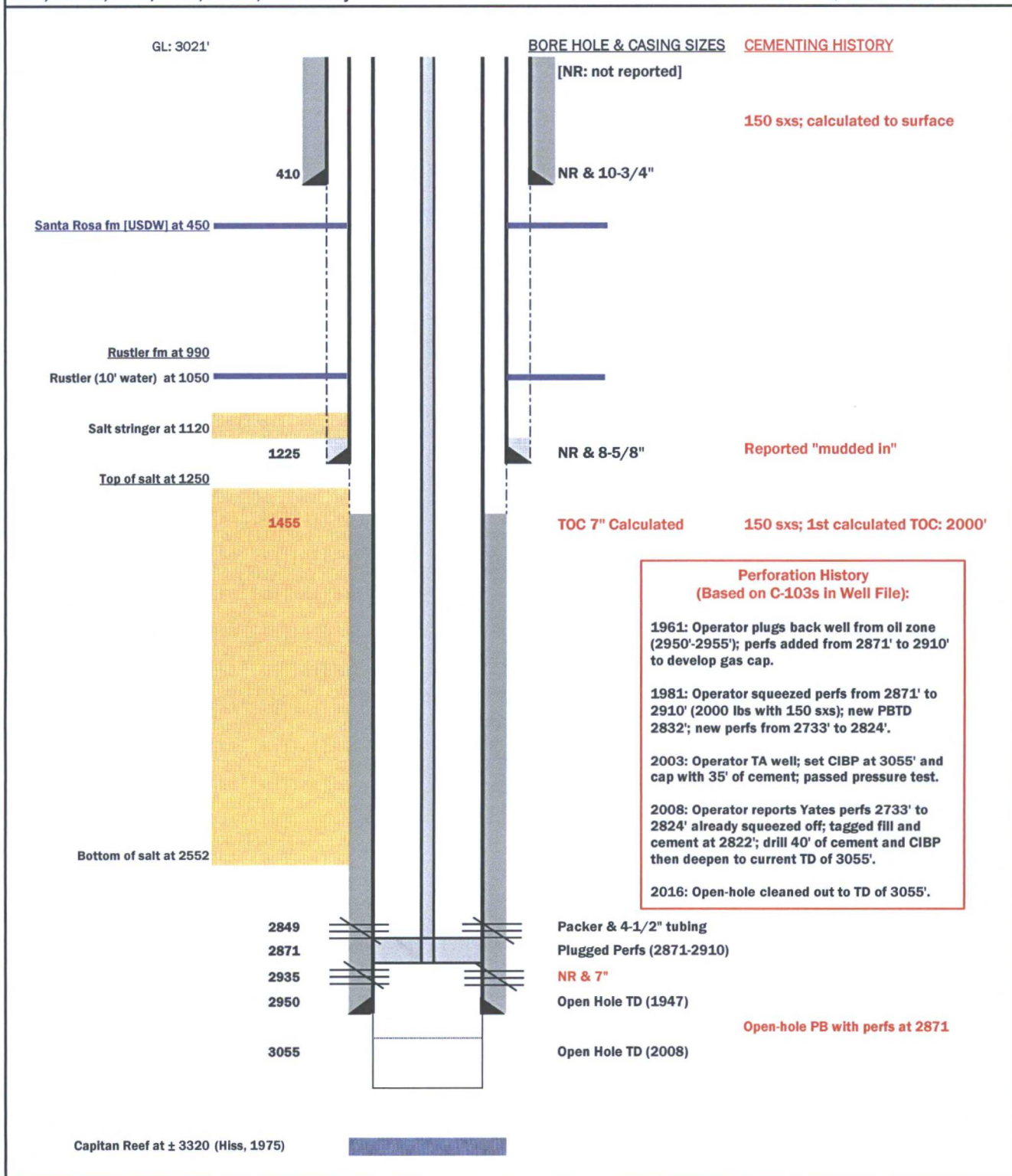




FIGURE 4: Relevant Excerpts from Referenced Reports on the Capitan Reef Aquifer

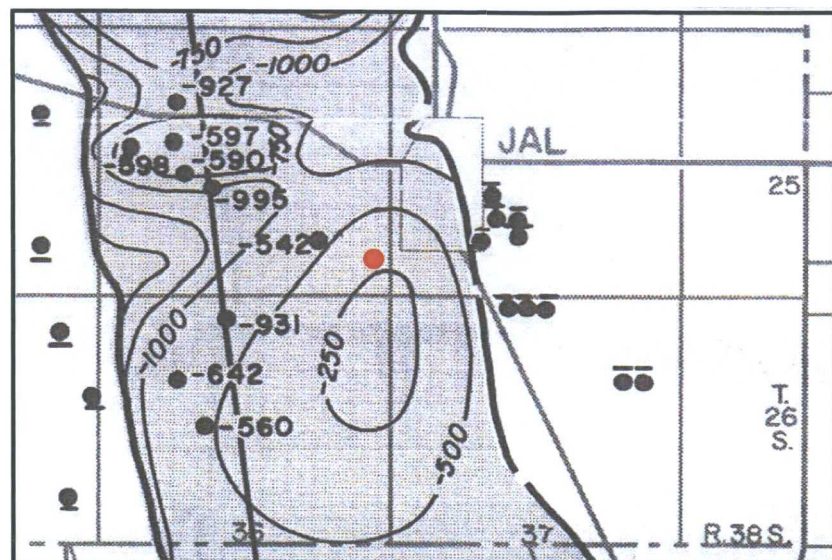


Figure 4A: Map Showing Structure of the Capitan Aquifer
Contour indicates the altitude of the top of the Capitan aquifer; in feet; datum is mean sea level. Source: NMBGMR Resource Map 6; Hiss (1976a)

EXPLANATION
● Approximate location of Maralo Sholes B Well No. 2

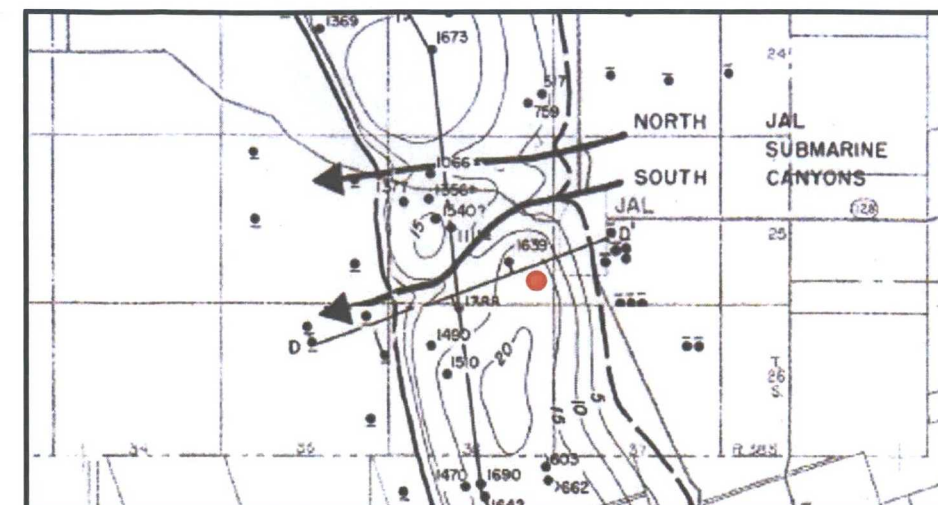


Figure 4C: Map Showing the Thickness of the Capitan Aquifer
Lines of equal thickness; in hundreds of feet and interval is 500 feet; wells: ● wells penetrating reef and (or) shelf margin facies; ● wells penetrating shelf facies; ● wells penetrating basal facies. Source: Figure 11; Hiss (1975)

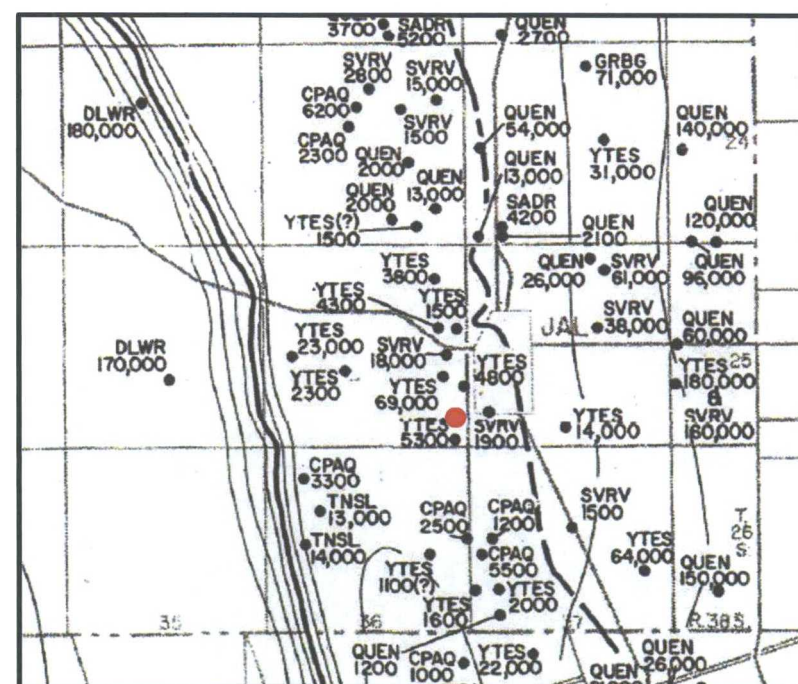


Figure 4B: Map Showing Chloride-Ion Concentration in Permian Age Sedimentary Rocks
Number represents chloride-ion concentration in milligrams per liter; Relevant unit codes: CPAQ – Capitan aquifer; QUEN – Queen formation; SVSR – Seven Rivers formation; YTES – Yates formation. Source: Figure 26; Hiss (1975)

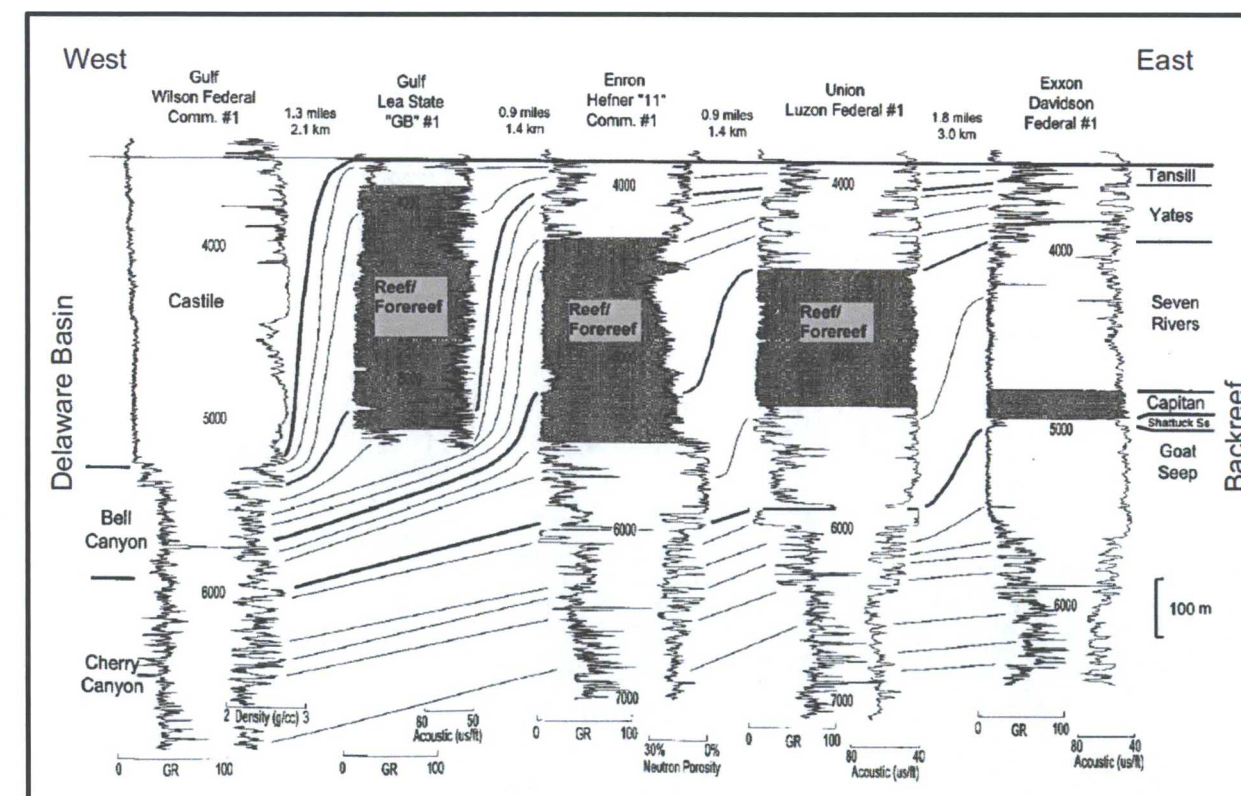
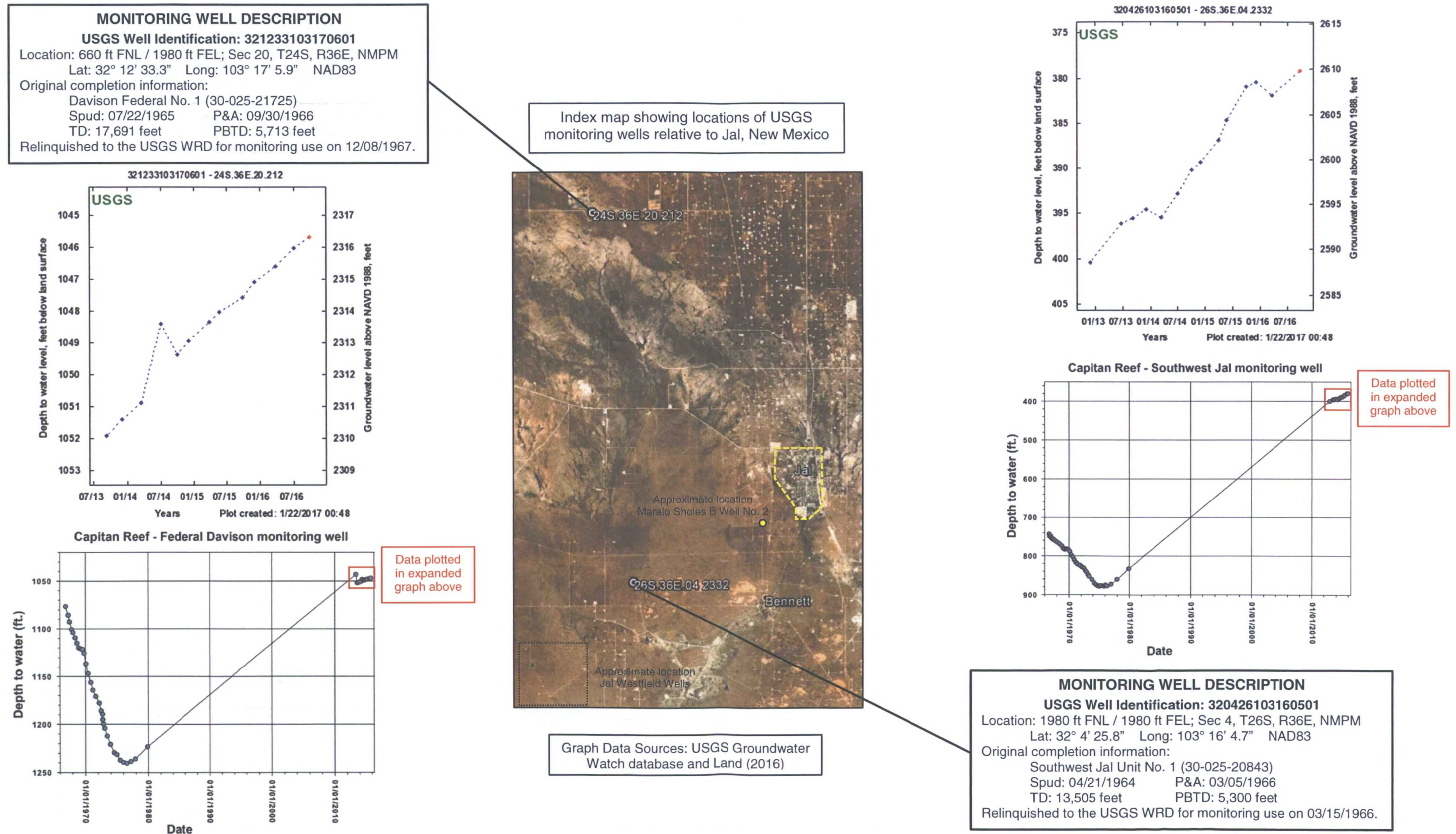


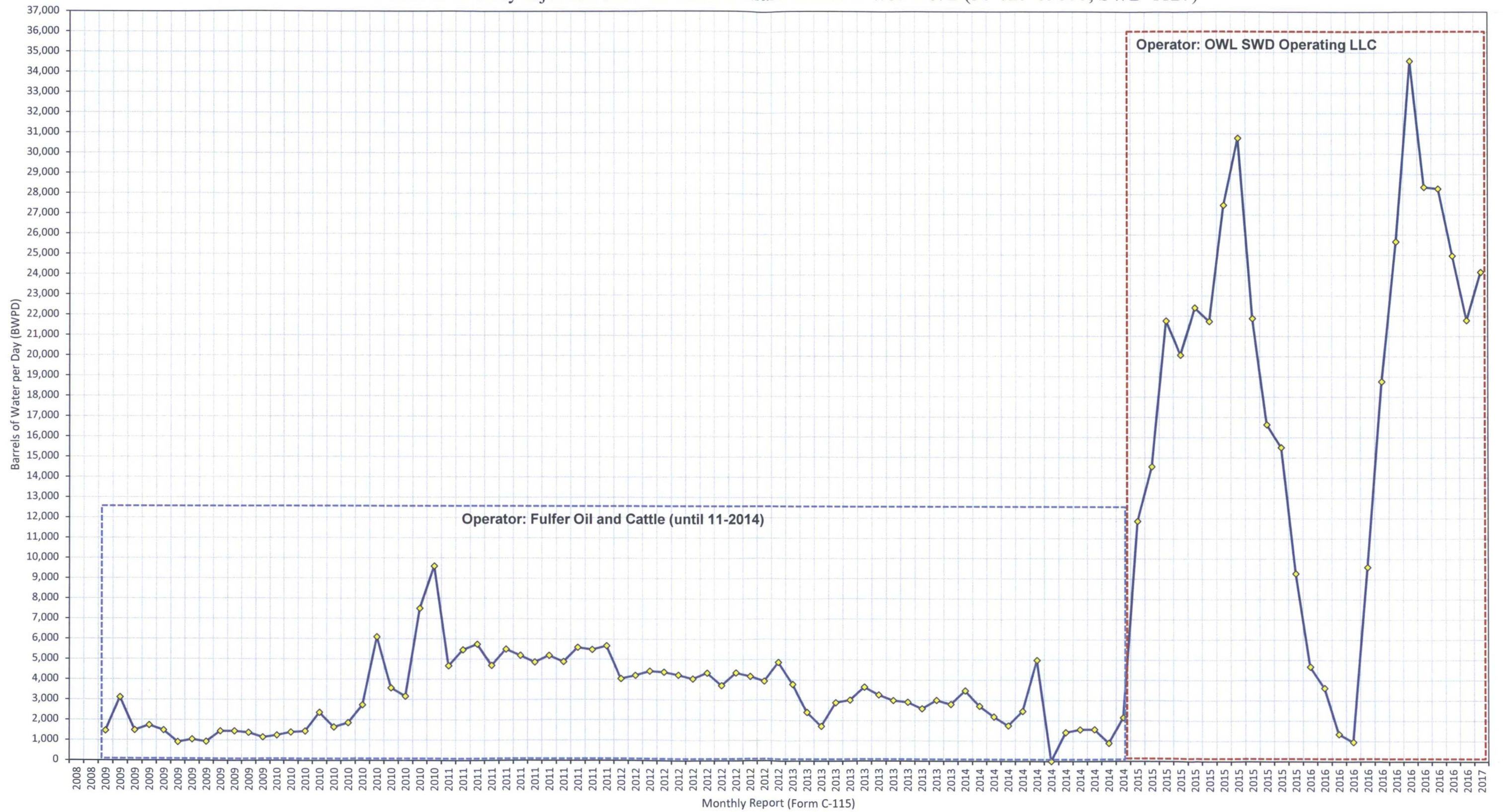
Figure 4D: Type Geophysical Log Response with Correlations
Cross section through Capitan aquifer complex showing relationship with backreef Artesian Group units; cross section is located approximately 10.5 miles northwest of Jal. Source: Harris and Saller (1999)



FIGURE 5: Hydrographs of Capitan Reef Aquifer Monitoring Wells Near Jal, New Mexico



GRAPH 1: Daily Injection Rate vs. Time: Maralo Sholes B Well No. 2 (30-025-09806; SWD-1127)



GRAPH 2: Recent Production vs. Time: Sholes B 25 Well No. 1 (30-025-09812)

