



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

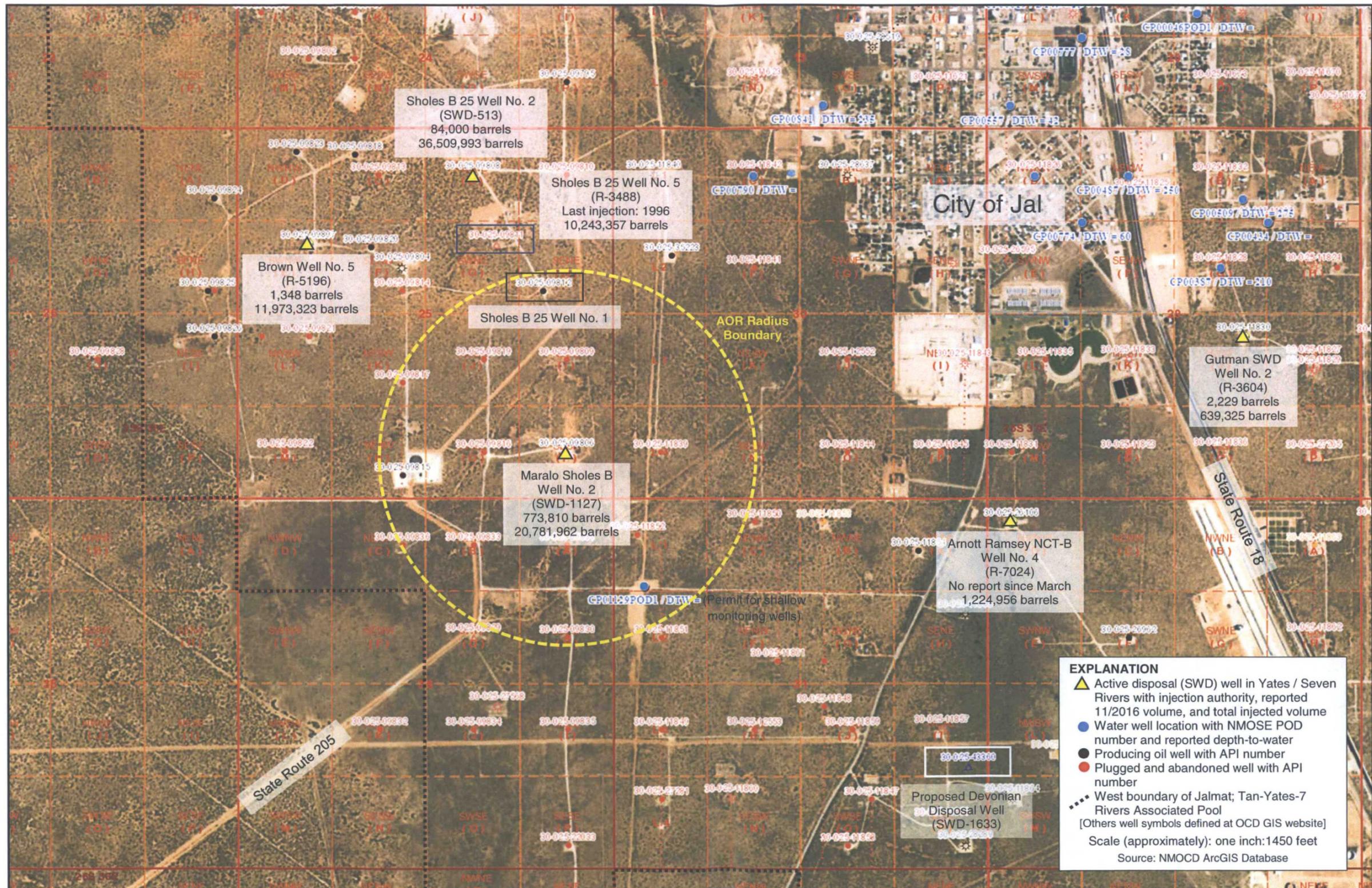




FIGURE 3: Well Completion Diagram for the Maralo Sholes B Well No. 2

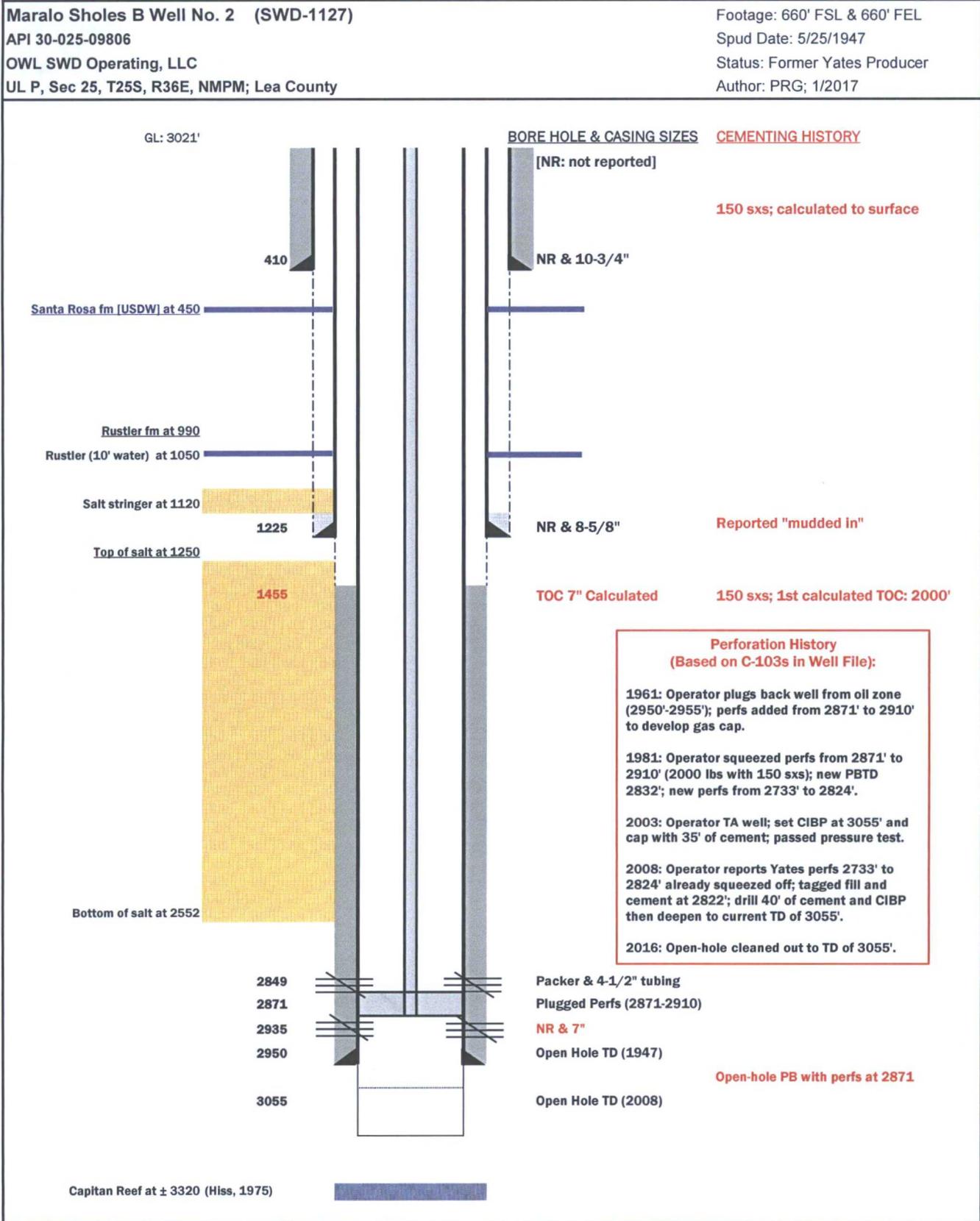




FIGURE 4: Relevant Excerpts from Referenced Reports on the Capitan Reef Aquifer

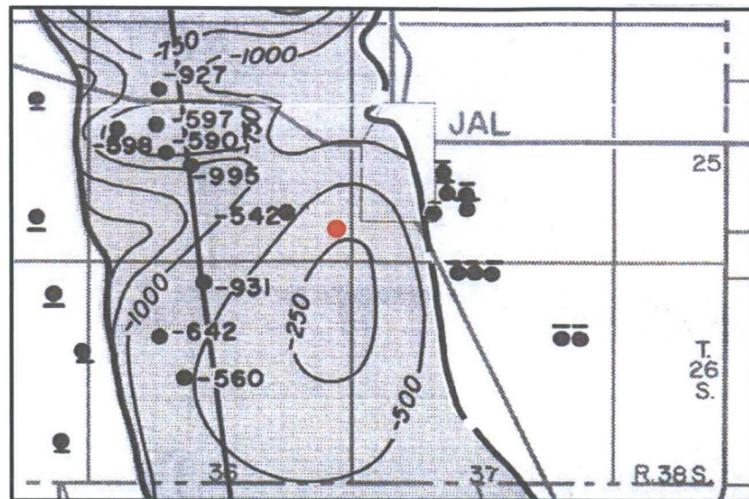


Figure 4A: Map Showing Structure of the Capitan Aquifer
Contour indicates the altitude of the top of the Capitan aquifer; in feet; datum is mean sea level. Source: NMBGMR Resource Map 6; Hiss (1976a)

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

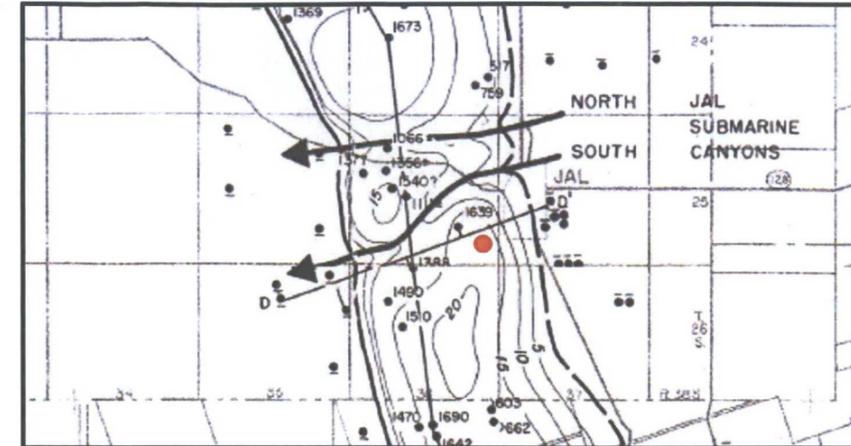


Figure 4C: Map Showing the Thickness of the Capitan Aquifer
Lines of equal thickness; in hundreds of feet and interval is 500 feet; wells: ● wells penetrating reef and (or) shelf margin facies; ◐ wells penetrating shelf facies; ◑ wells penetrating basal facies. Source: Figure 11; Hiss (1975)

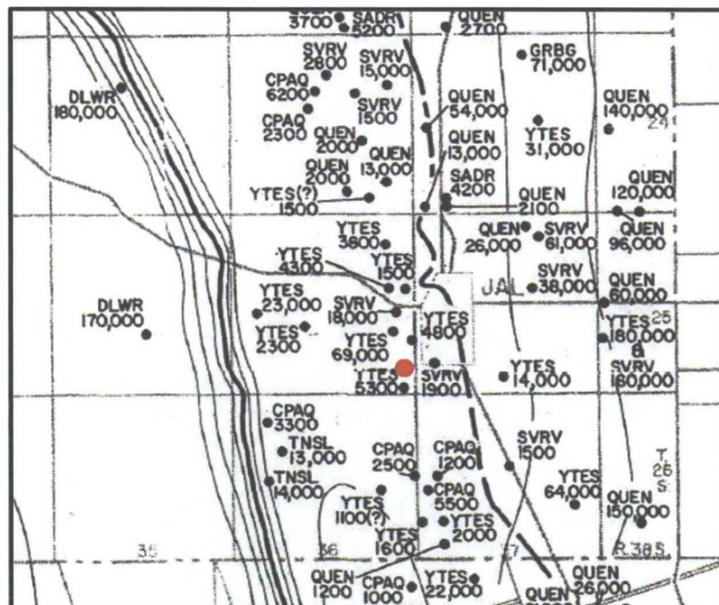


Figure 4B: Map Showing Chloride-Ion Concentration in Permian Age Sedimentary Rocks
Number represents chloride-ion concentration in milligrams per liter; Relevant unit codes: CPAQ – Capitan aquifer; QUEN – Queen formation; SVSR – Seven Rivers formation; YTES – Yates formation. Source: Figure 26; Hiss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

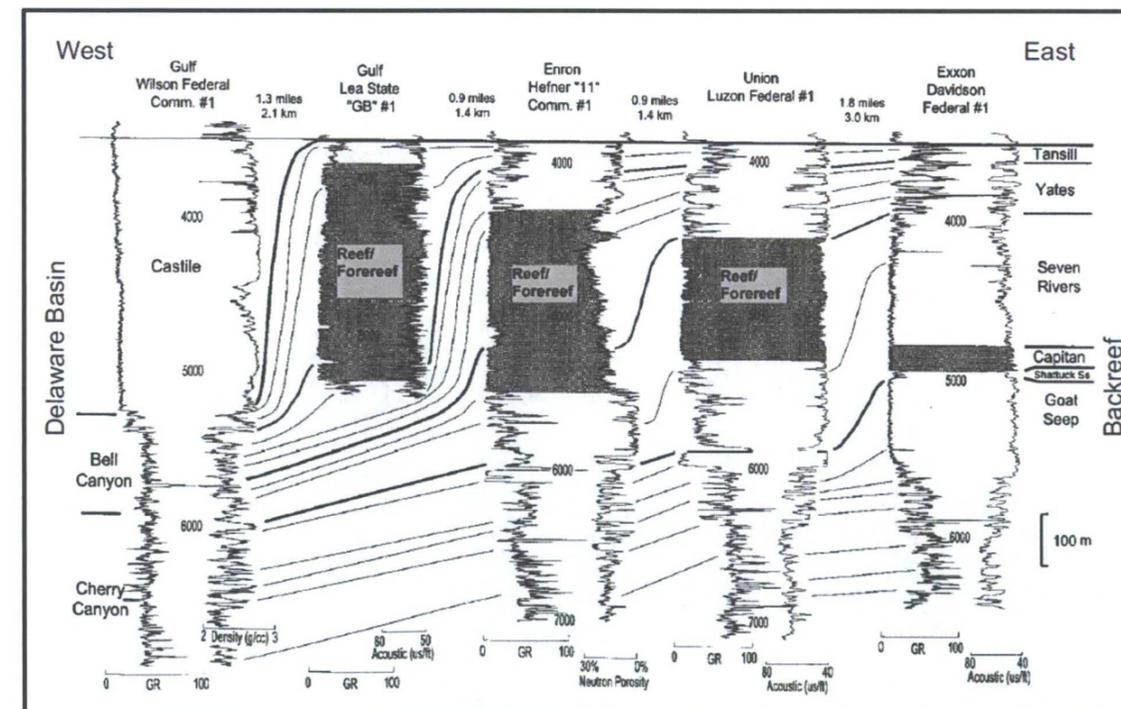


Figure 4D: Type Geophysical Log Response with Correlations
Cross section through Capitan aquifer complex showing relationship with backreef Artesian Group units; cross section is located approximately 10.5 miles northwest of Jal. Source: Harris and Saller (1999)



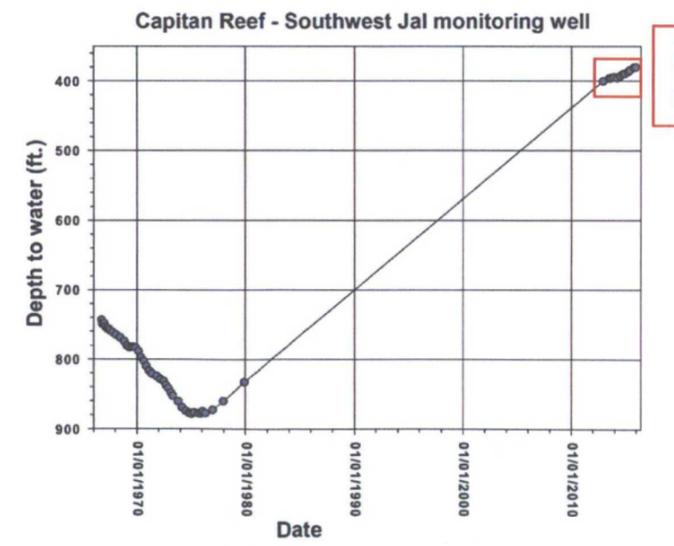
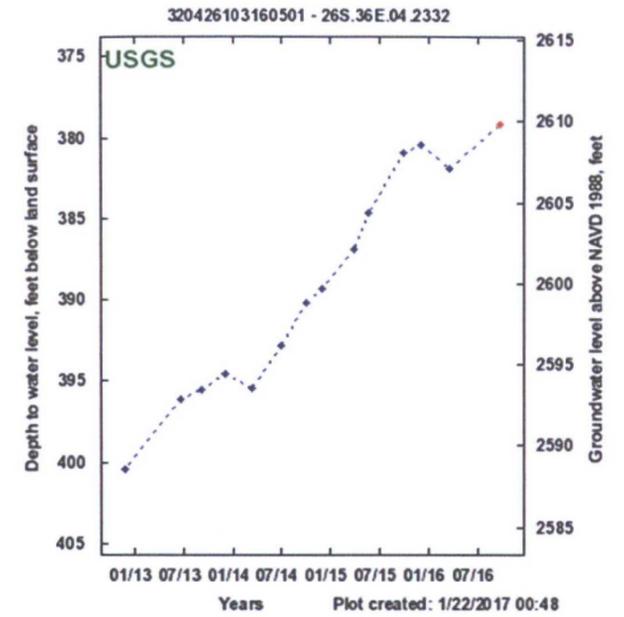
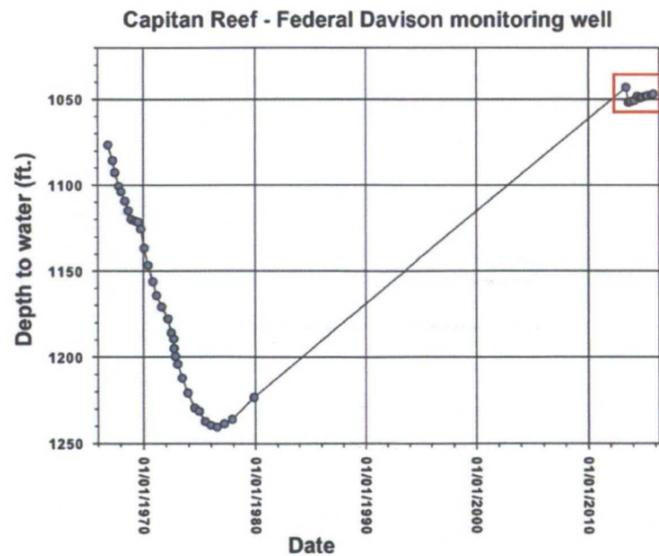
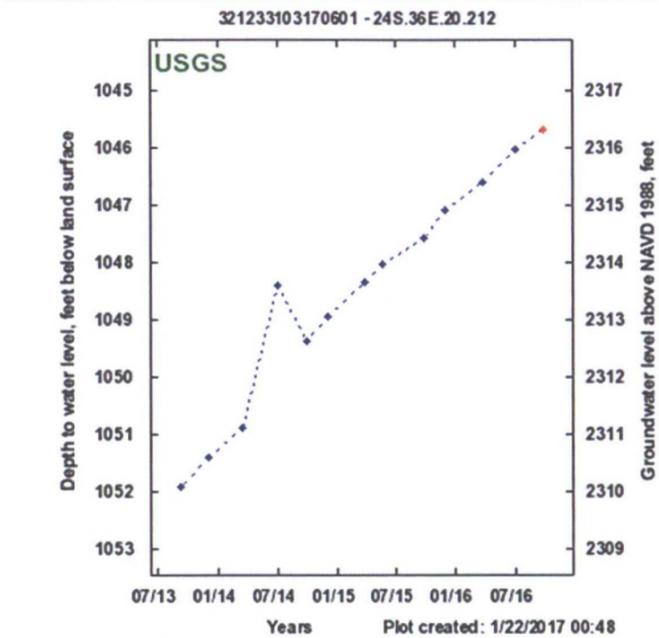
FIGURE 5: Hydrographs of Capitan Reef Aquifer Monitoring Wells Near Jal, New Mexico

MONITORING WELL DESCRIPTION
USGS Well Identification: 321233103170601
 Location: 660 ft FNL / 1980 ft FEL; Sec 20, T24S, R36E, NMPM
 Lat: 32° 12' 33.3" Long: 103° 17' 5.9" NAD83
 Original completion information:
 Davison Federal No. 1 (30-025-21725)
 Spud: 07/22/1965 P&A: 09/30/1966
 TD: 17,691 feet PBD: 5,713 feet
 Relinquished to the USGS WRD for monitoring use on 12/08/1967.

Index map showing locations of USGS monitoring wells relative to Jal, New Mexico



Graph Data Sources: USGS Groundwater Watch database and Land (2016)



MONITORING WELL DESCRIPTION
USGS Well Identification: 320426103160501
 Location: 1980 ft FNL / 1980 ft FEL; Sec 4, T26S, R36E, NMPM
 Lat: 32° 4' 25.8" Long: 103° 16' 4.7" NAD83
 Original completion information:
 Southwest Jal Unit No. 1 (30-025-20843)
 Spud: 04/21/1964 P&A: 03/05/1966
 TD: 13,505 feet PBD: 5,300 feet
 Relinquished to the USGS WRD for monitoring use on 03/15/1966.

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

