FIGURES

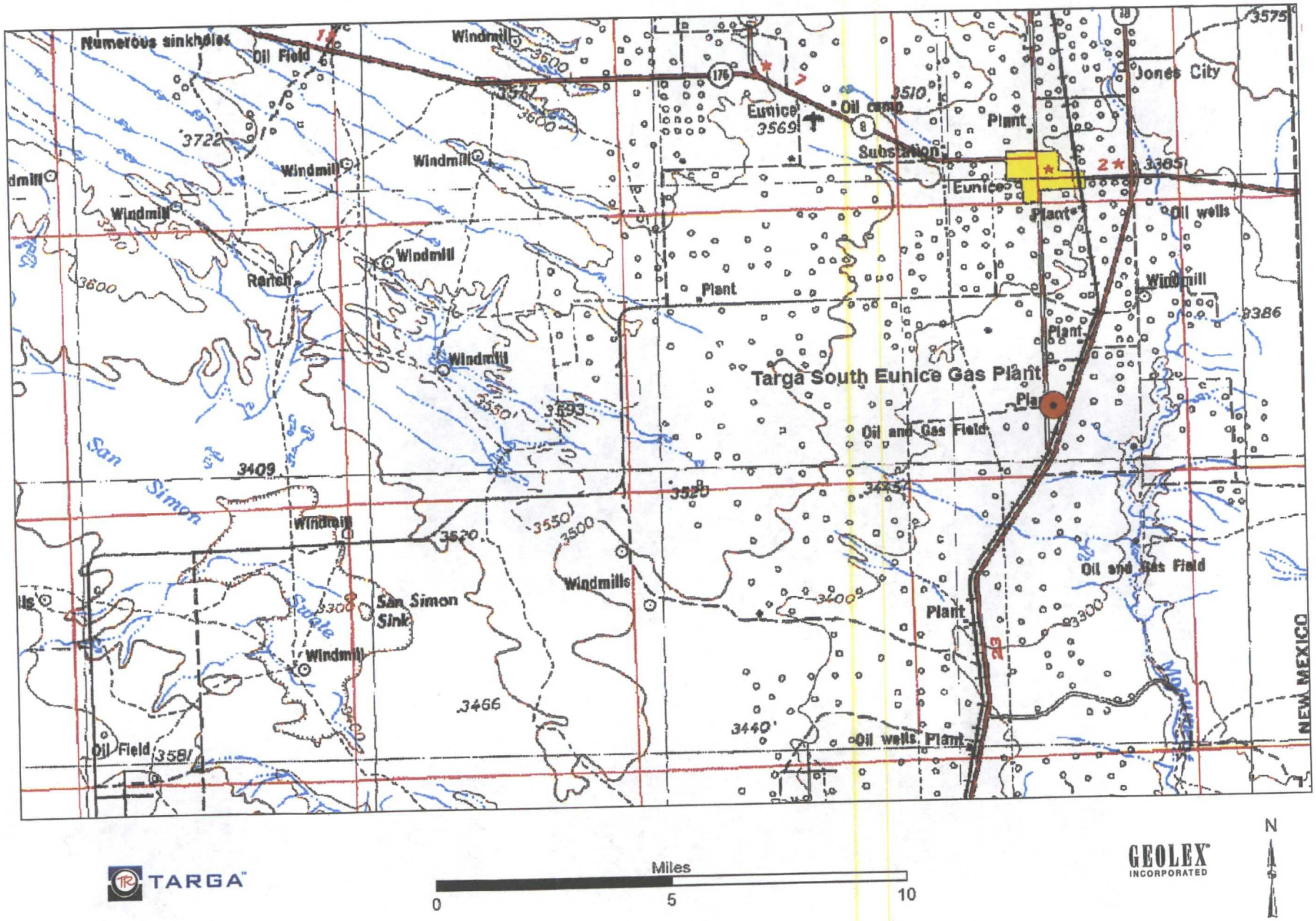
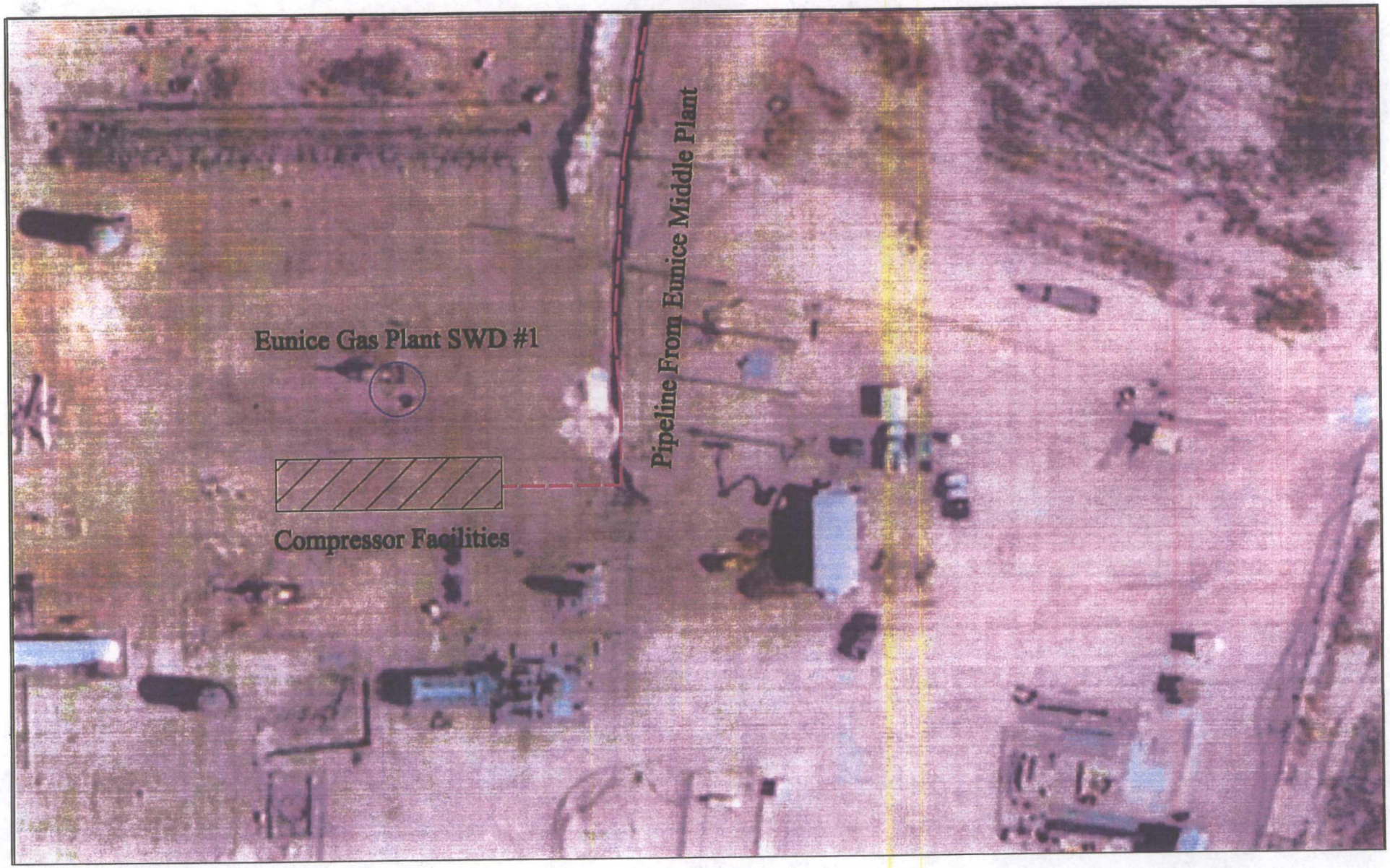


Figure 1: Location of Targa South Eunice Gas Plant



TARGA

GEOLEX INCORPORATED

Figure 2: Site Layout of Compressor and Eunice Gas Plant SWD #1

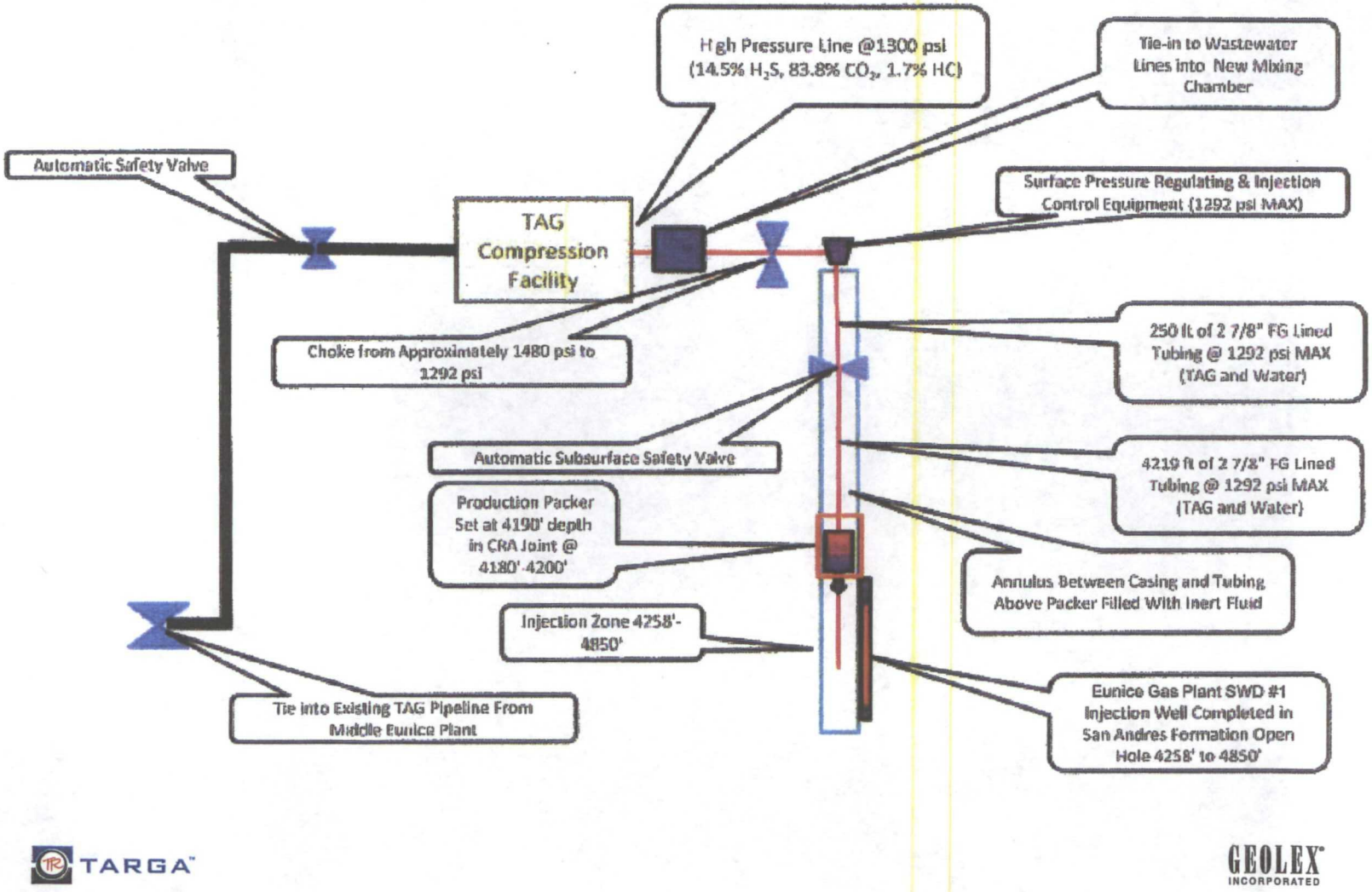
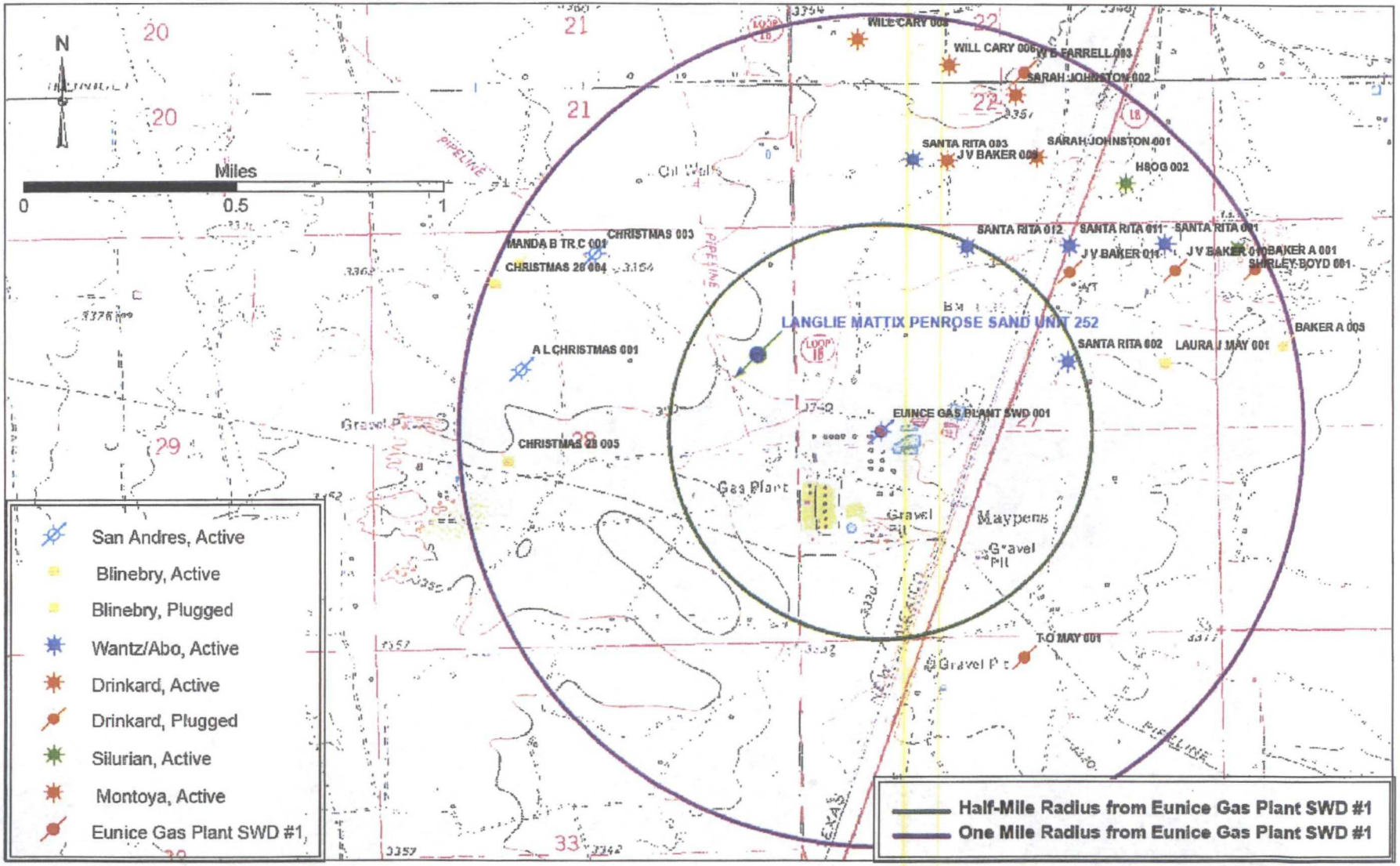


Figure 3: Schematic of Eunice Gas Plant SWD #1 Injection System Components

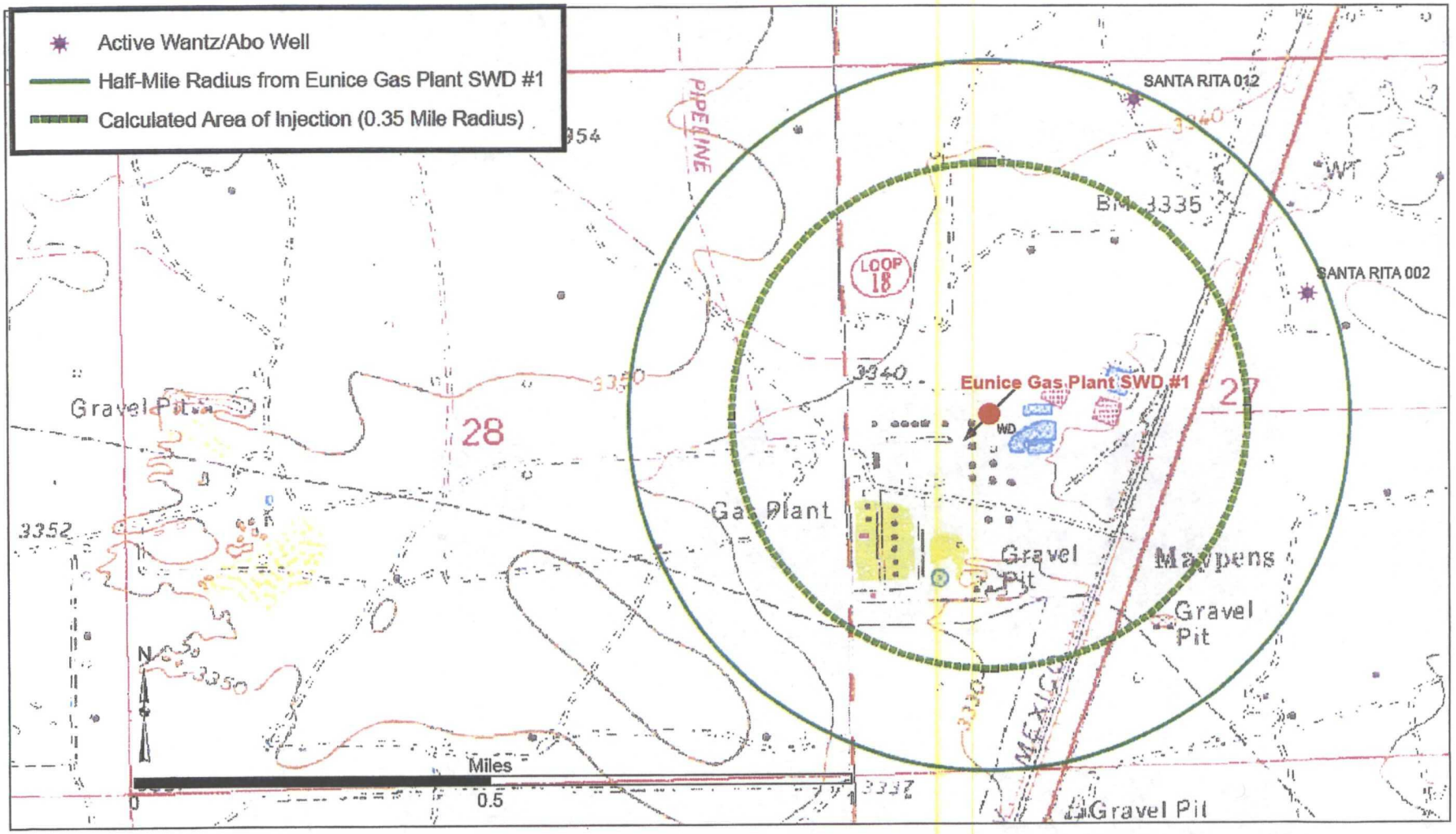


See Table 2 For Well Details

TARGA

GEOLEX INCORPORATED

Figure 4: Locations of All Wells Within One Mile of Eunice Gas Plant SWD #1



TARGA

GEOLEX INCORPORATED

Figure 5: Calculated Area of Reservoir Affected by Injection after 30 Years
(Total Injection Rate - TAG + WasteWater - of 4,075 Bbls/Day

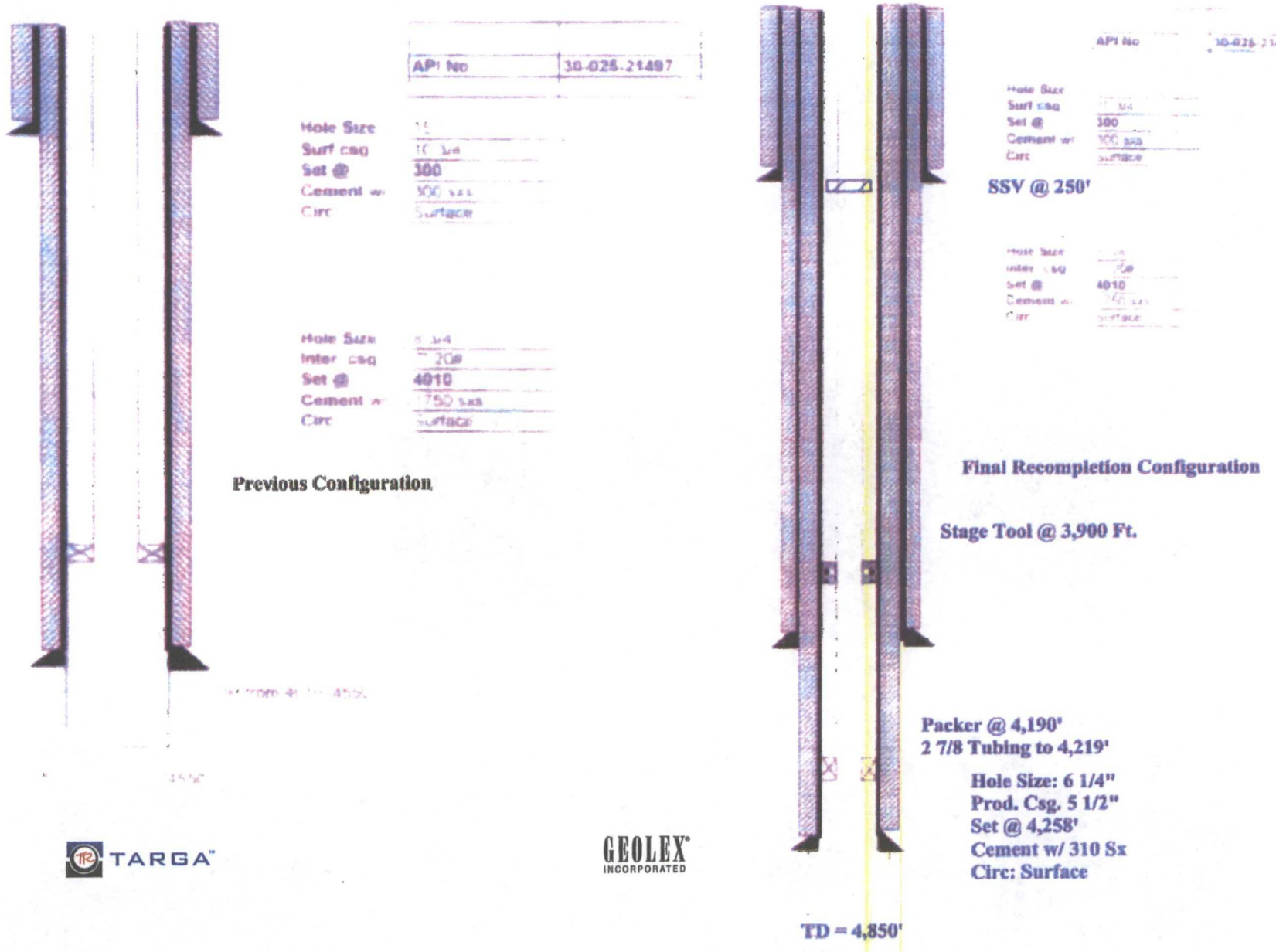
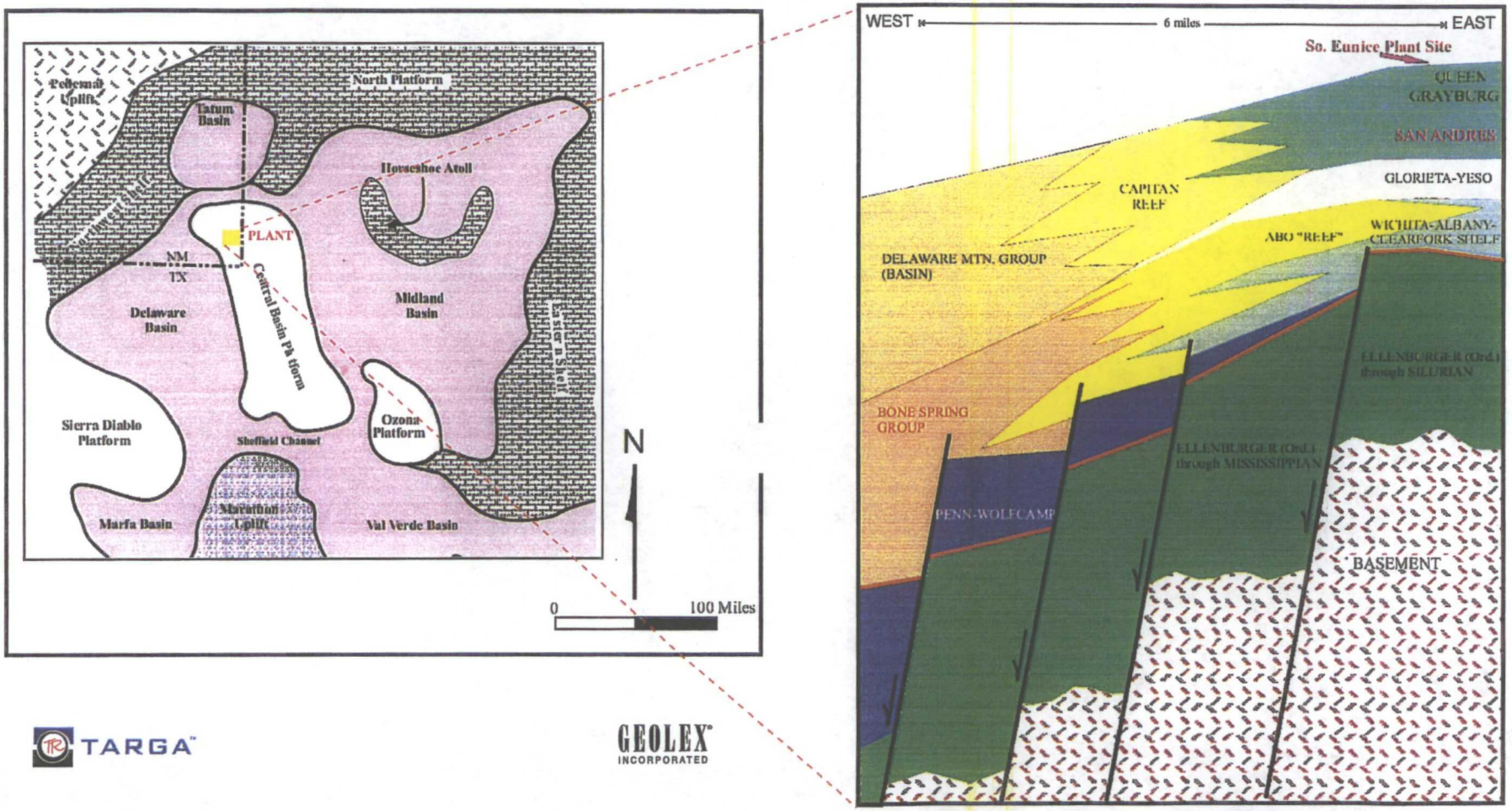


Figure 6: Previous and Final Well Configurations, Eunice Gas Plant SWD #1



TARGA

GEOLEX INCORPORATED

Figure 7: Regional Setting of South Eunice Plant and General Stratigraphy of the Northwest Side of the Central Basin Platform

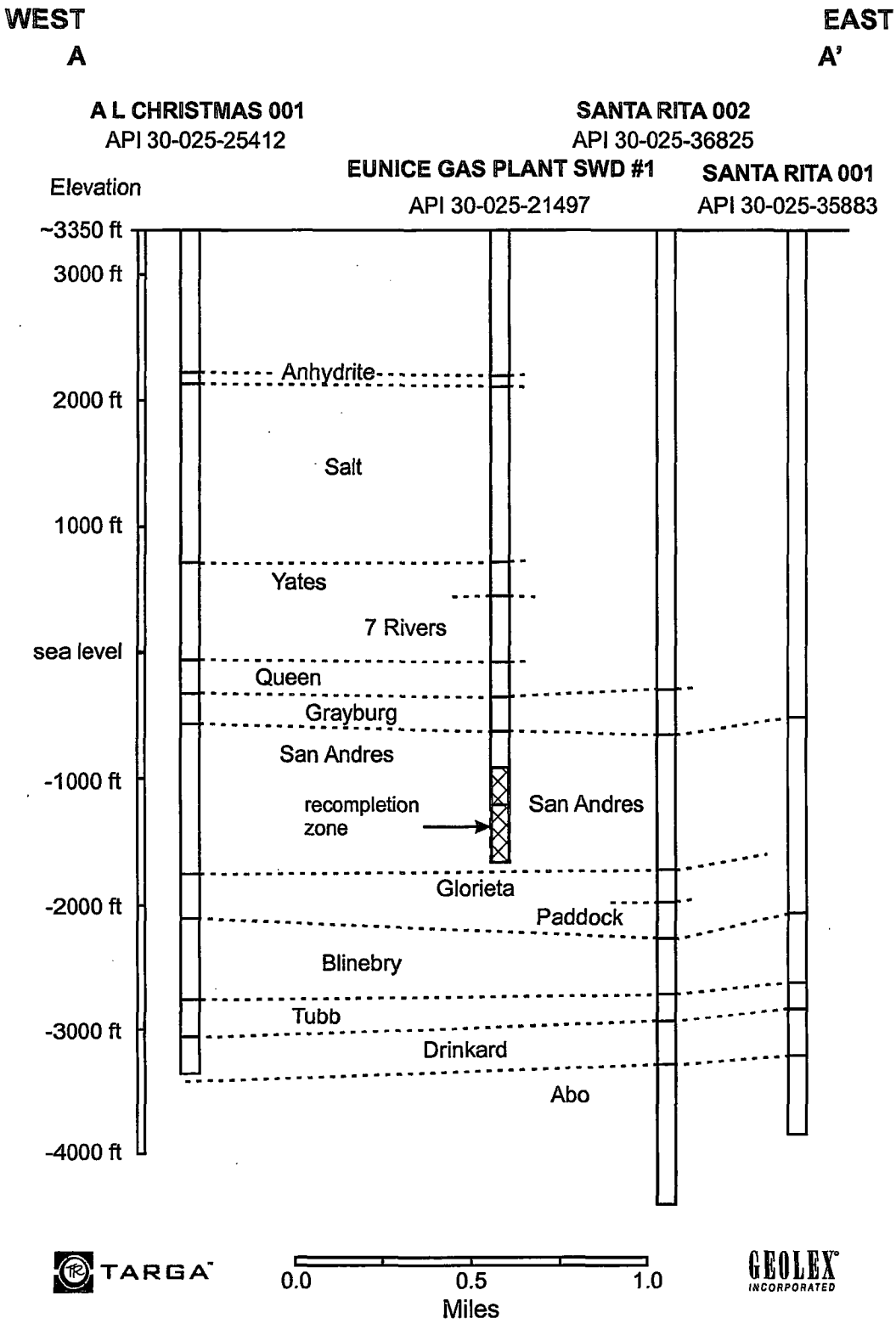


Figure 8: General Cross-section Through the Area of Eunice Gas Plant SWD #1.

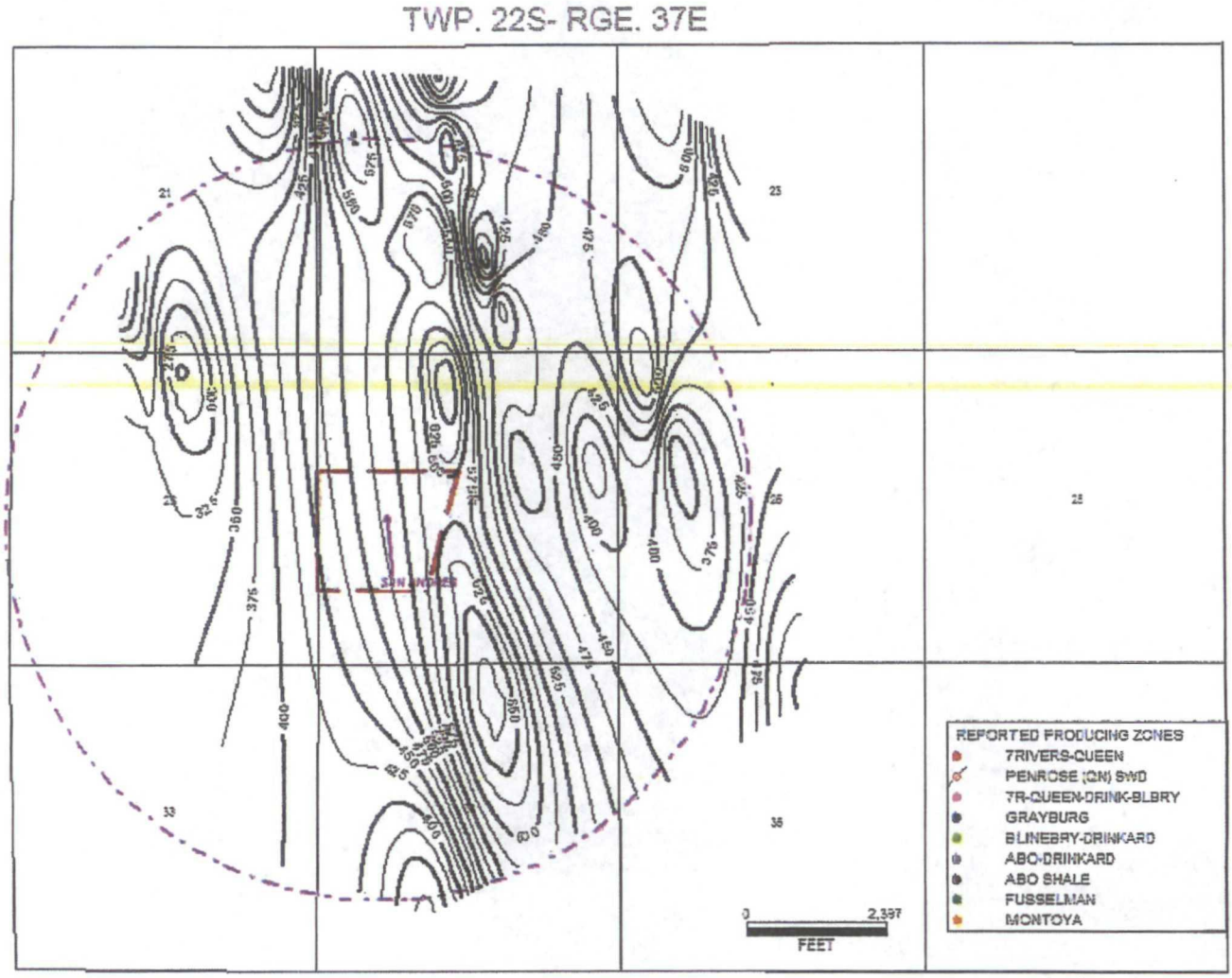


Figure 9: Net Porosity (>6%) in the San Andres Carbonate, Top of San Andres to Top of Glorieta Formation

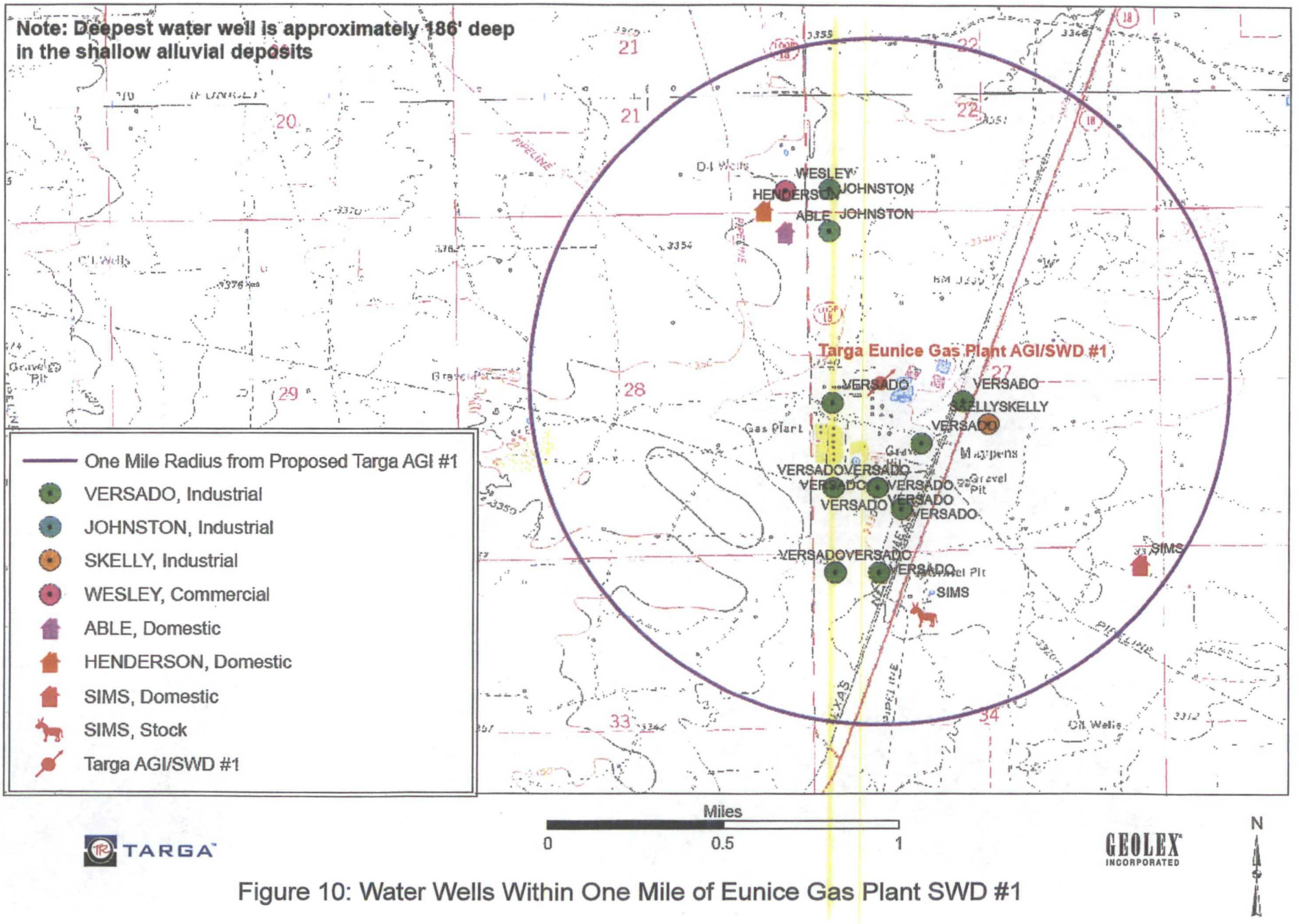


Figure 10: Water Wells Within One Mile of Eunice Gas Plant SWD #1

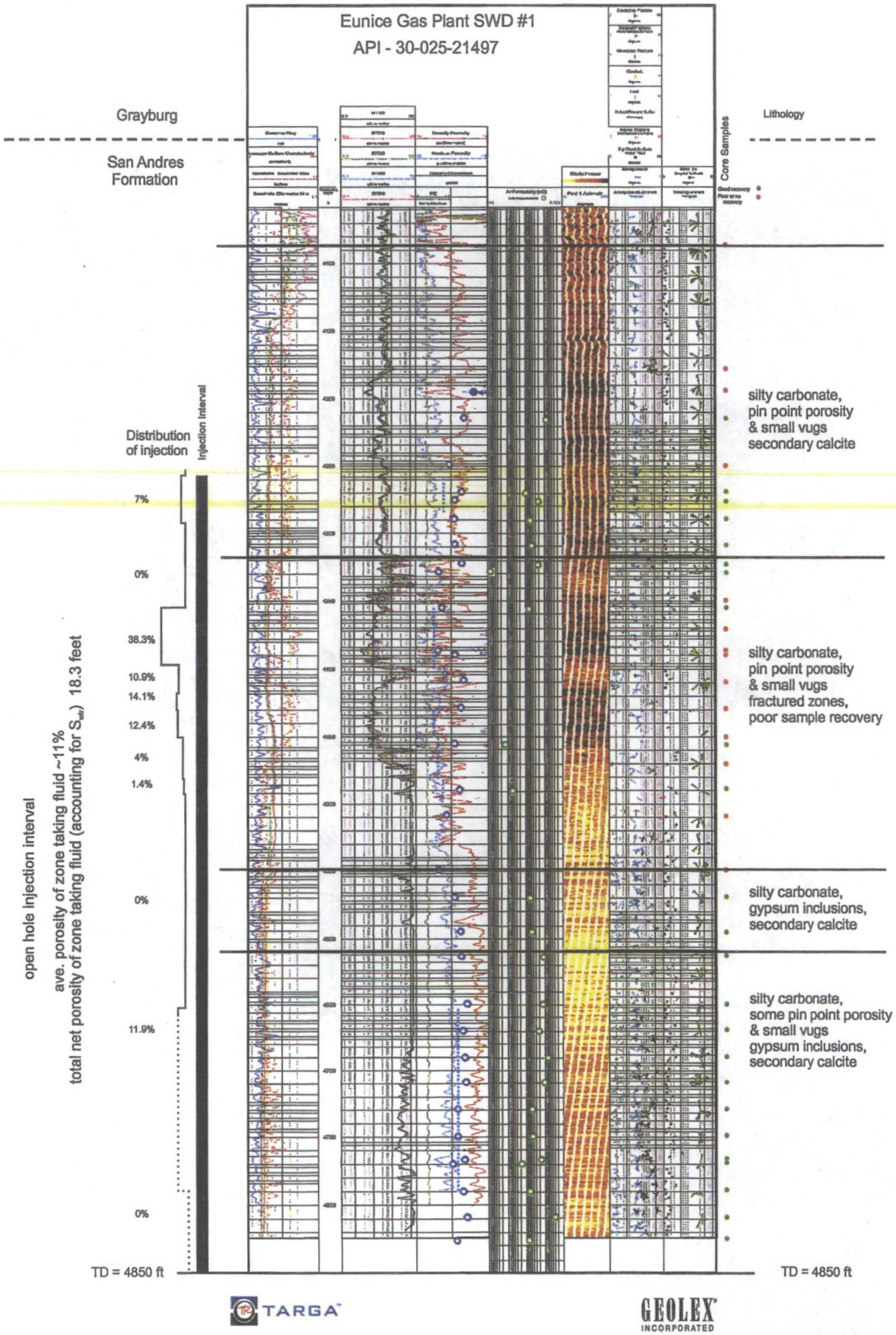


Figure 11. Combined Results of Geophysical Logging, Core Analysis and Reservoir Tests at Eunice Gas Plant SWD #1

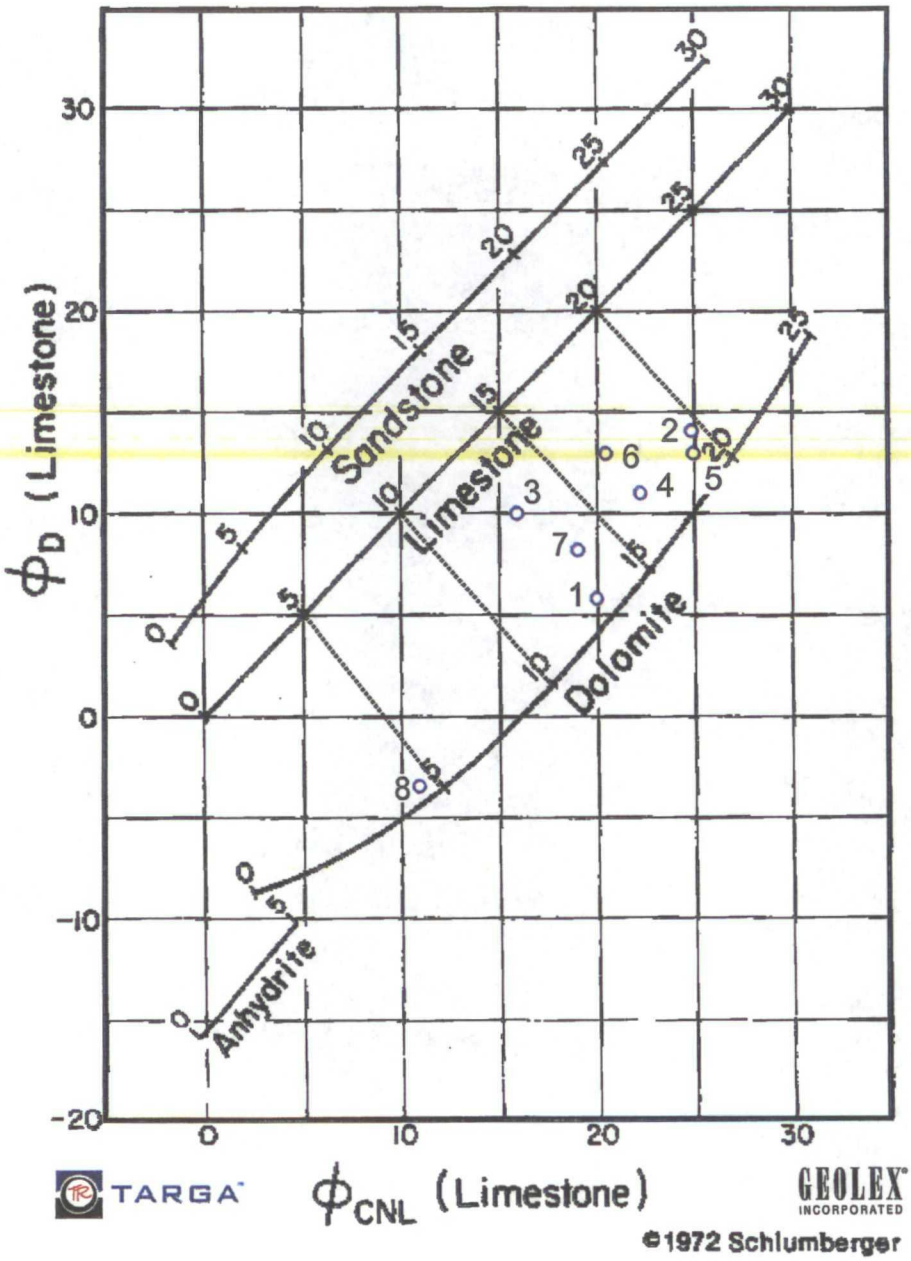


Figure 12: Crossplot Analysis of Average Porosities for Zones Accepting Fluid During Tracer Survey at Eunice Gas Plant SWD #1

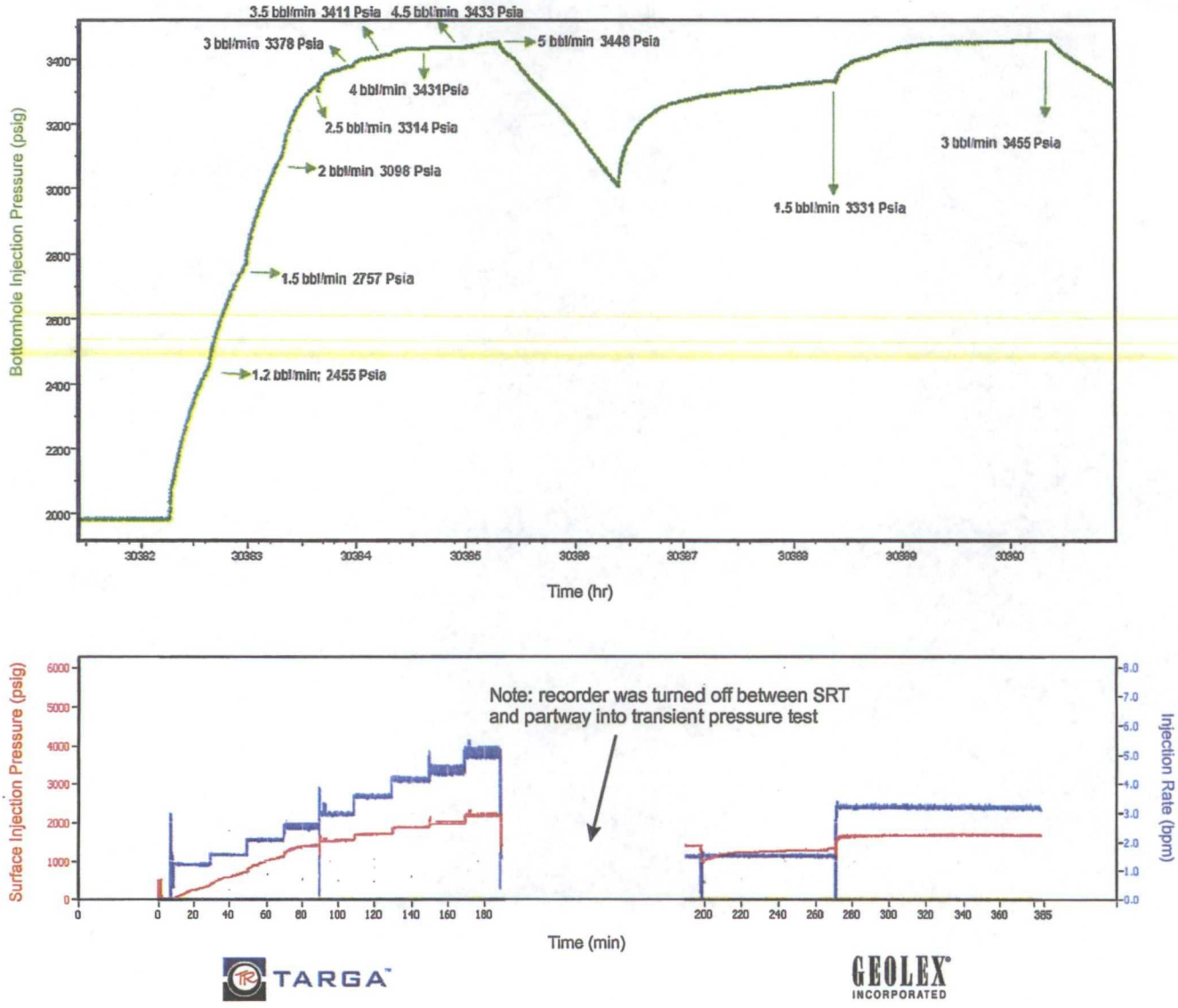


Figure 13: Pressure Measurements During Step-Rate Test at Eunice Gas Plant SWD #1

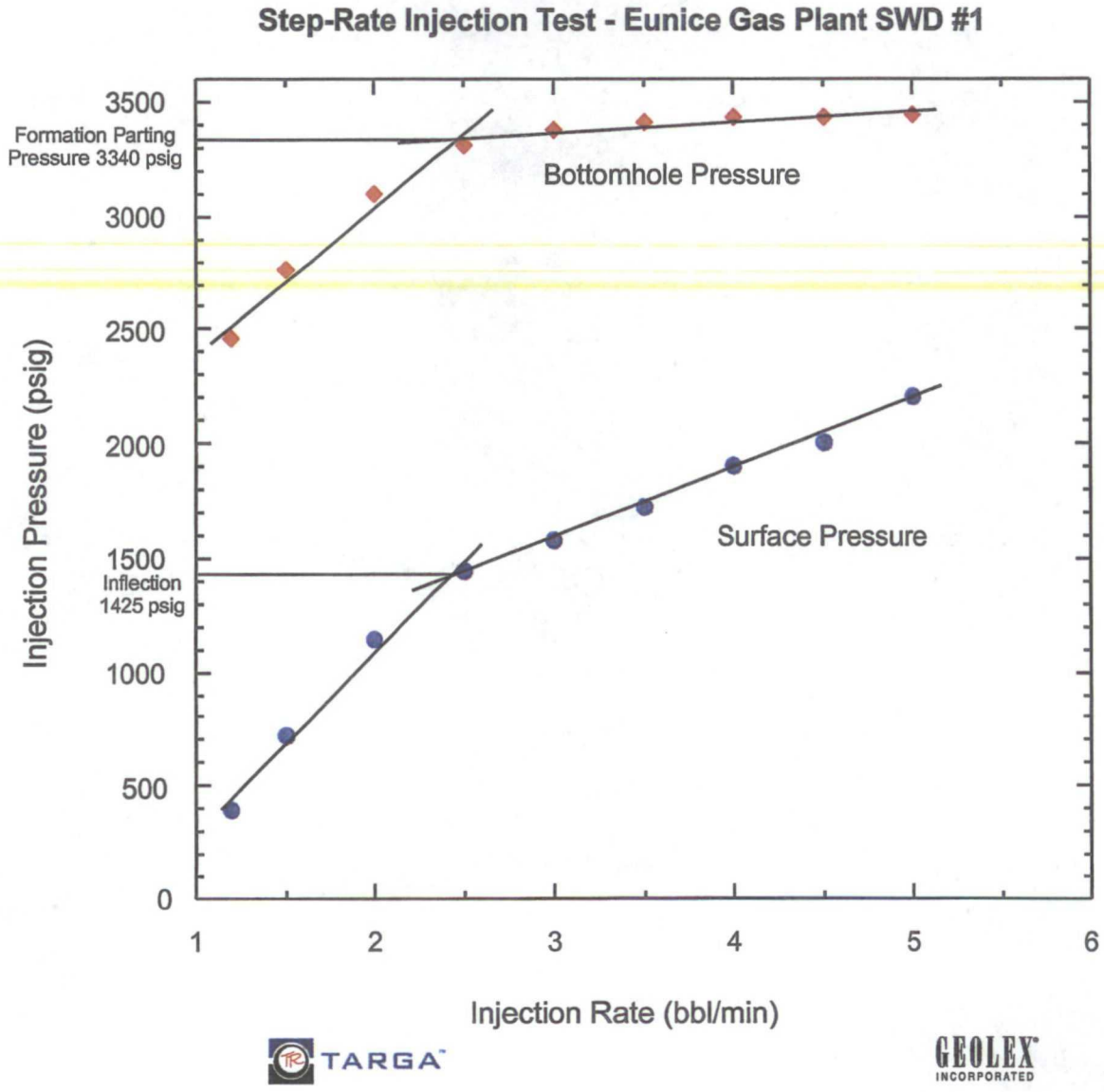


Figure14: Results of Step-Rate Test at Eunice Gas Plant SWD #1

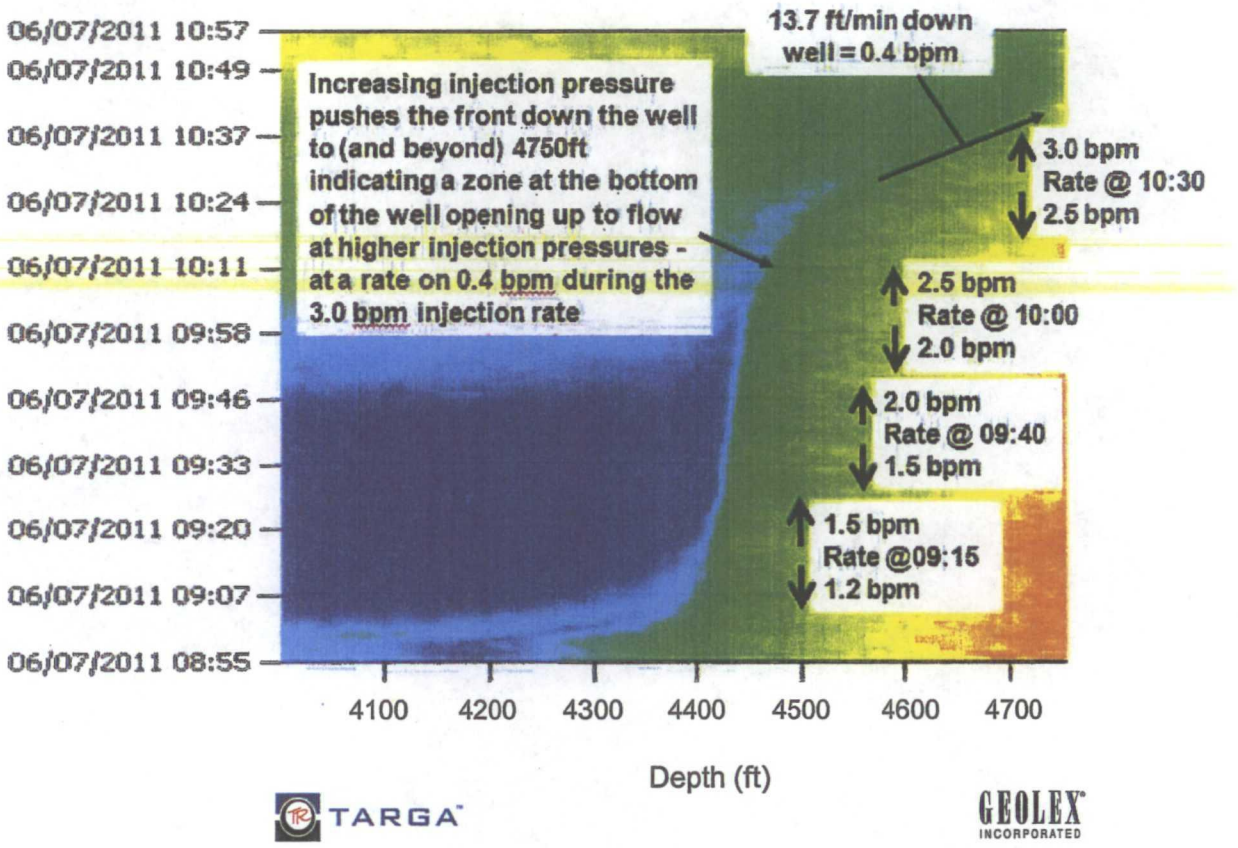


Figure 15: Flow Velocity Calculations During Step Rate Test at Eunice Gas Plant SWD #1 Using Digital Temperature Survey Data

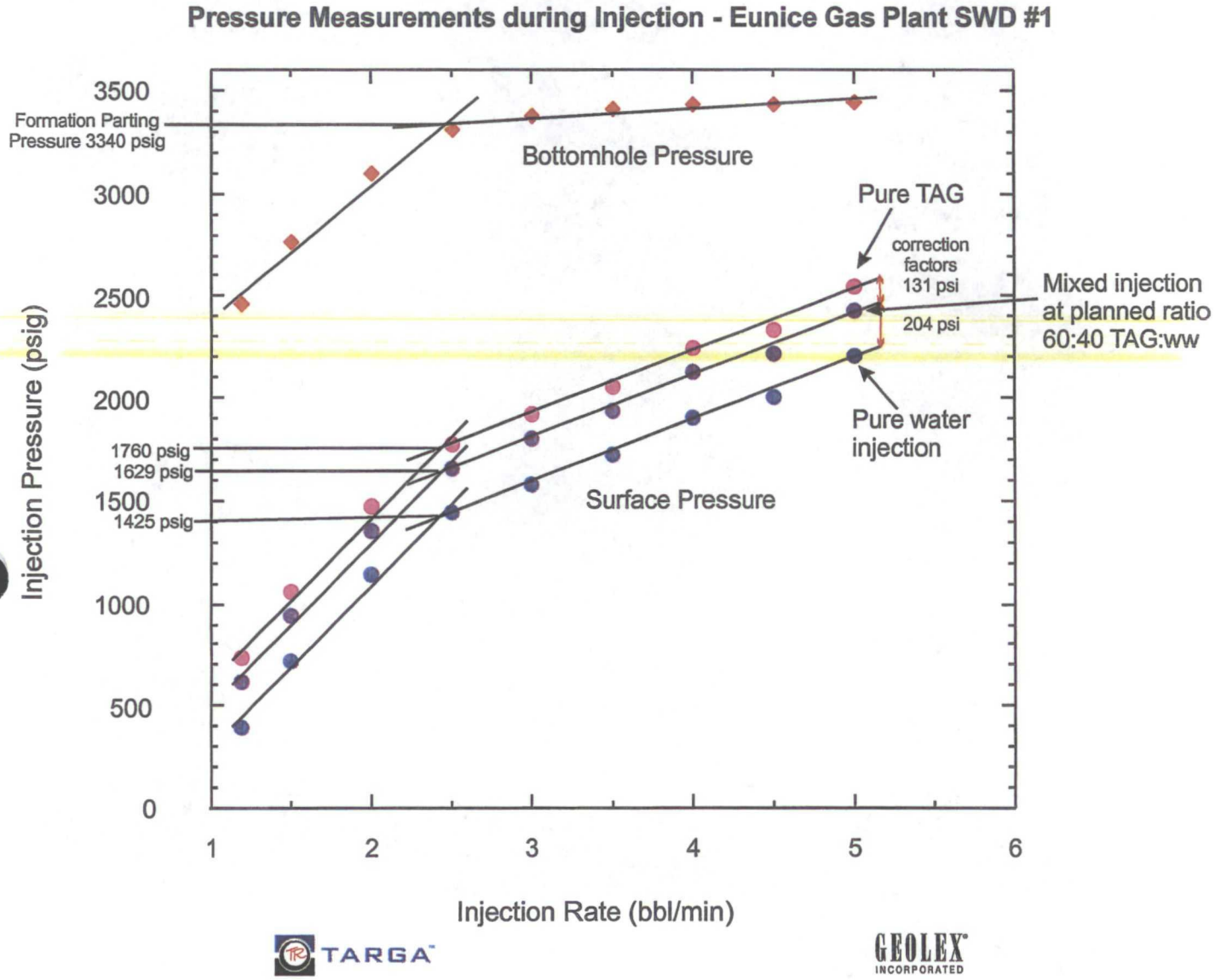


Figure16: Results of Step-Rate Test at Eunice Gas Plant SWD #1, With Surface Injection Pressure Curves Corrected for Injection Mixtures of 60:40 TAG:Wastewater and Pure TAG

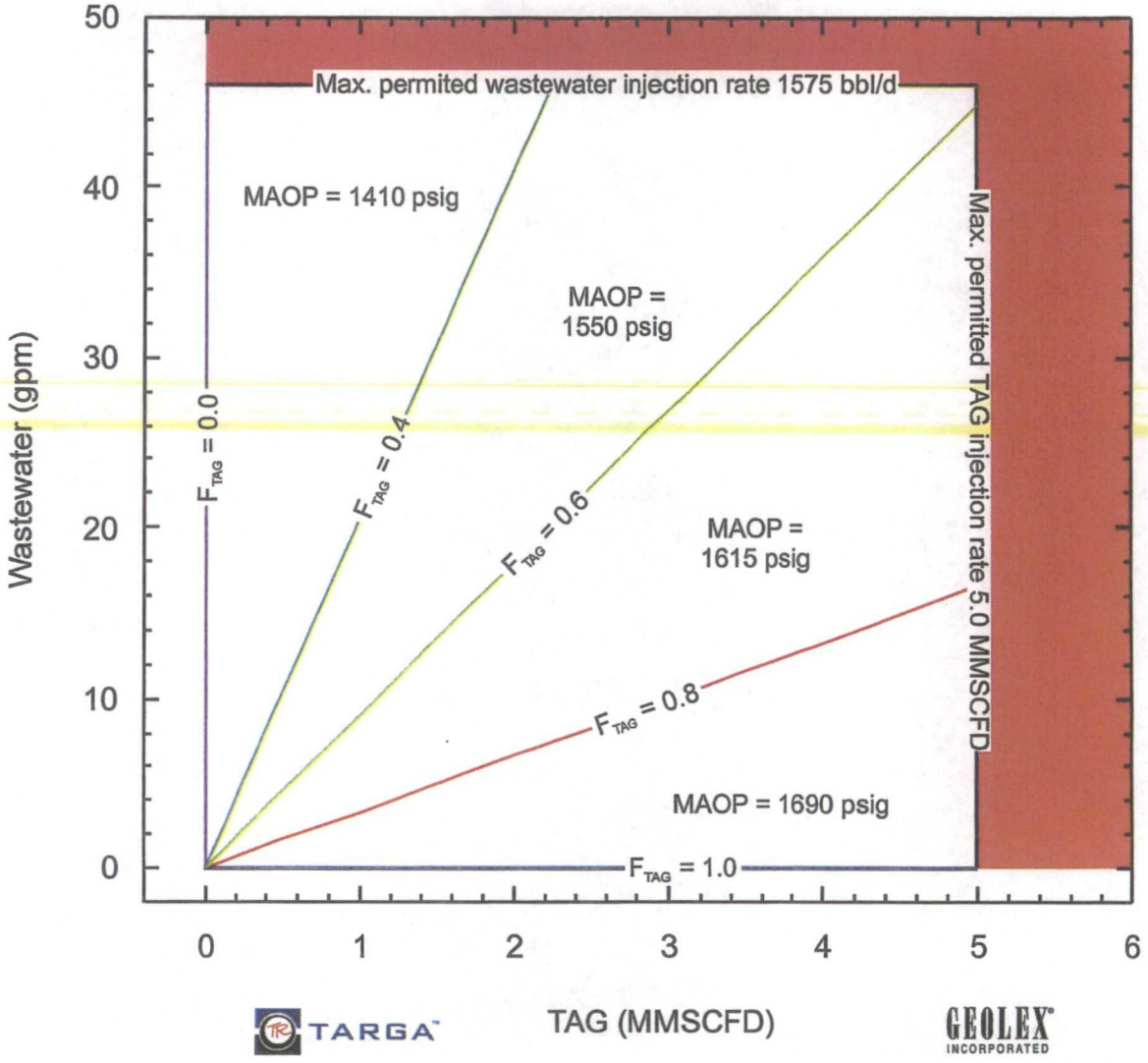


Figure17: Graphical Representation of Proposed Mixture Dependent MAOP for Eunice Gas Plant SWD #1. Injection Mixtures with F_{TAG} Between 0.0 and 0.4 Would Have an MAOP 1410 psig; Mixtures with F_{TAG} Between 0.4 and 0.6 Would Have an MAOP 1550 psig; Mixtures with F_{TAG} Between 0.6 and 0.8 Would Have an MAOP 1615 psig; Mixtures with F_{TAG} Between 0.8 and 1.0 Would Have an MAOP 1690 psig; and Pure TAG Would Have an MAOP of 1745 psig.

WELL NAME: Eunice Gas Plant SWD #1 FIELD: San Andres

LOCATION: 2580' FSL & 1200 FWL Unit L Sec 27 T22S R37E LeaCounty

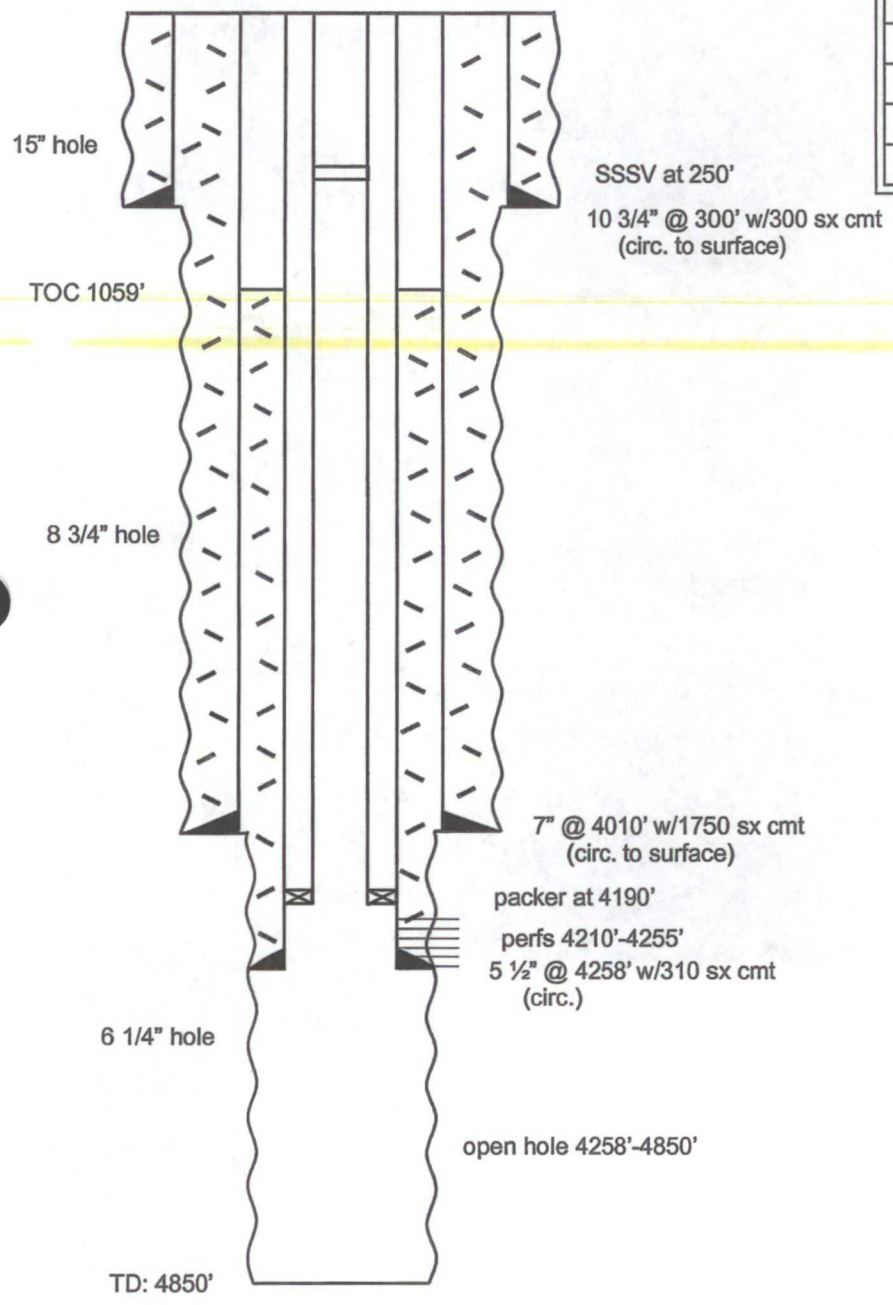
GL: 3345' ZERO: KB:

SPUD DATE: 10/26/61 RECOMPLETION DATE: 6/13/11

COMMENTS: API #30-025-21497 PLUG DATE:

CASING PROGRAM

10 3/4" 32.7#	300'
7" 20#	4010'
5 1/2" 17#	4258'
2 7/8" tubing	4219'



TOPS

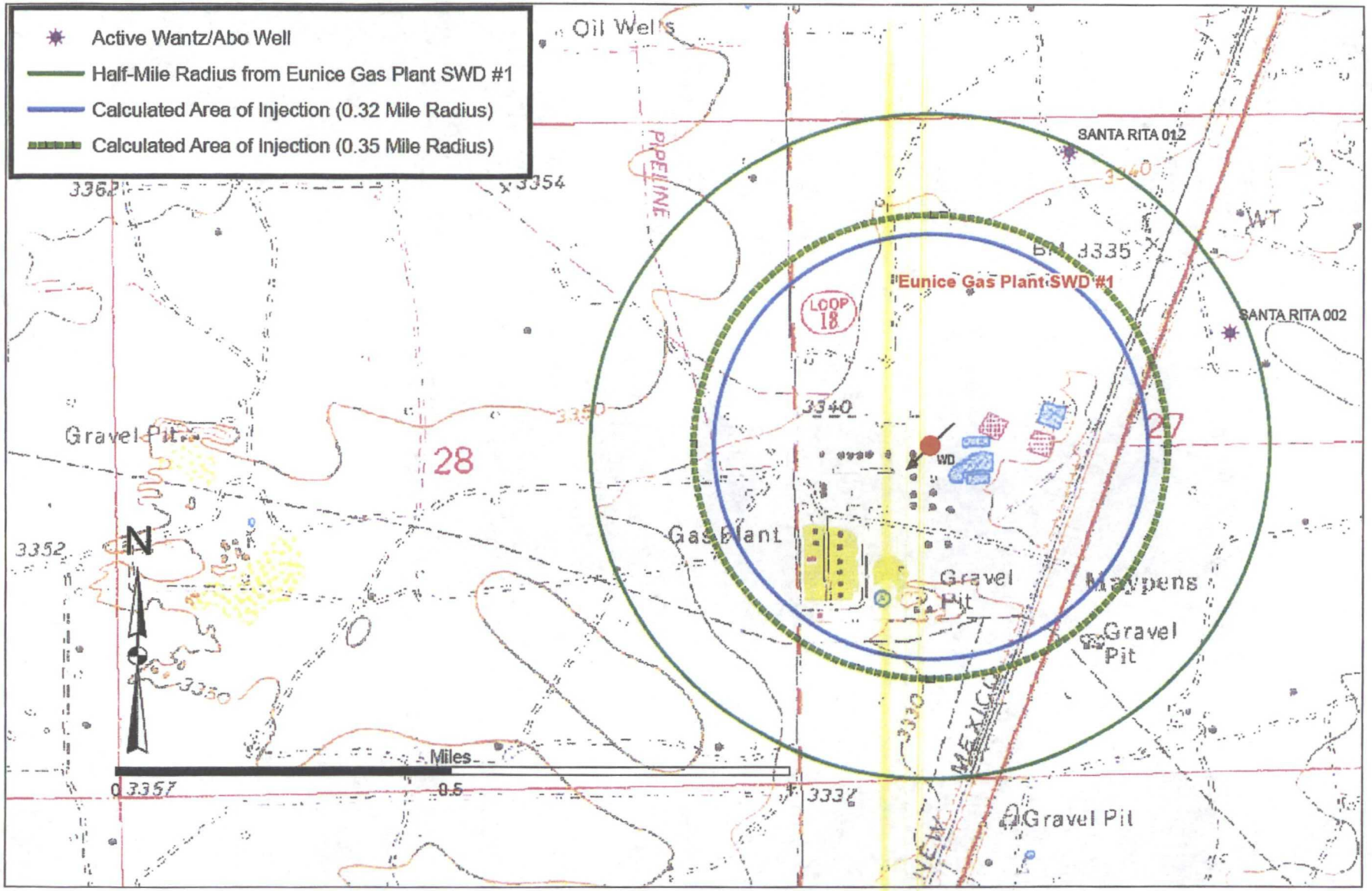
Anhydrite	1138'
Salt	1226'
Salt (bottom)	2611'
Yates	2661'
Queen	2880'
Grayburg	3416'
San Andres	4008'

Not to Scale
10/12/11
Geolex, Inc.

TARGA

GEOLEX INCORPORATED

Figure18: Completion Diagram for Eunice Gas Plant SWD #1 Showing Position of Packer and Location of Proposed Perforations (4210-4255 Feet)



TARGA

GEOLEX INCORPORATED

Figure 19: Calculated Area of Reservoir Affected by Injection after 30 Years into Increased Injection Interval of 4210-4850 feet. (Total Injection Rate - TAG + WasteWater - of 4,075 Bbls/Day