



BUREAU OF ECONOMIC GEOLOGY

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MONTHLY PROGRESS REPORT

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Reporting Period June 2011

Project Title Locate and Acquire Digital Geophysical Wells Logs and Conduct Data Entry

TWDB Contract No. 1100011198

Sub-grantee Bureau of Economic Geology, The University of Texas at Austin

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During June, BEG staff continued efforts to determine log locations, scan criteria-matching logs, and conduct data entry and have begun identifying logs in the TCEQ surface casing scanned collection and the Bureau's IGOR collection to supplement logs being scanned and entered from the historical collection of unscanned and uninventoried logs.

Progress continued in the effort to identify API numbers for criteria-matching logs, determine locations, and scan logs from select counties. As of 7/1, 13,389 logs have been scanned (at 300 dpi for color and 400 dpi for gray scale or black-and-white). Data entry has been completed for 10,655 of the scanned logs. These logs are distributed among 251 counties (see attached map) and fill 7,430 2.5-minute grid cells. Through June, we employed nine temporary staff members to identify historical logs for scanning, determine log locations, check for cell matches, scan logs, and enter data. We also compared the locations of the more than 2,937 logs that have been scanned for the TCEQ Surface Casing Estimator project and found that 588 of those could be used to fill additional cells (see map) for which we yet have no log. We compared the IGOR database log locations with the unfilled cell locations and found that we have records for 17,400 logs in our database that meet the project criteria and fall within 4,295 cells that have yet to be filled. Project staff are pulling these logs from the collection, checking to ensure proper log type and depth range, and scanning them if they are suitable. We began scanning gamma logs in cells where we have no electrical (resistivity or induction) log.

During July, we will continue our increased efforts to scan and enter the candidate logs already identified, add IGOR logs to the BRACS collection, identify Surface Casing Estimator logs from several additional counties, and look for logs at TCEQ that could supplement coverage in numerous low-count counties. We now have six available log-locating service licenses available to us, two scanners operating at or near full capacity, and nine to ten temporary employees working on the project.

Summary Table (through the end of June 2011)

Scanned logs (through 7/1)	13,389
Database entries (through 7/1)	10,655
Filled 2.5 minute grid cells	7,430
Counties with at least one entry	251

Attached is a map showing the distribution of filled 2.5 minute cells, currently empty cells that could be filled with logs scanned for the TCEQ Surface Casing Estimator project, and counties with at least one filled cell.