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MONTHLY PROGRESS REPORT

Date August 4, 2011 **Reporting Period** July 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 July, BEG staff continued efforts to determine log locations, scan criteria-matching logs, and conduct data entry and began scanning logs in the TCEQ surface casing collection and the Bureau's IGOR collection to supplement logs being scanned and entered from the historical collection of unscanned and uninventoried logs.

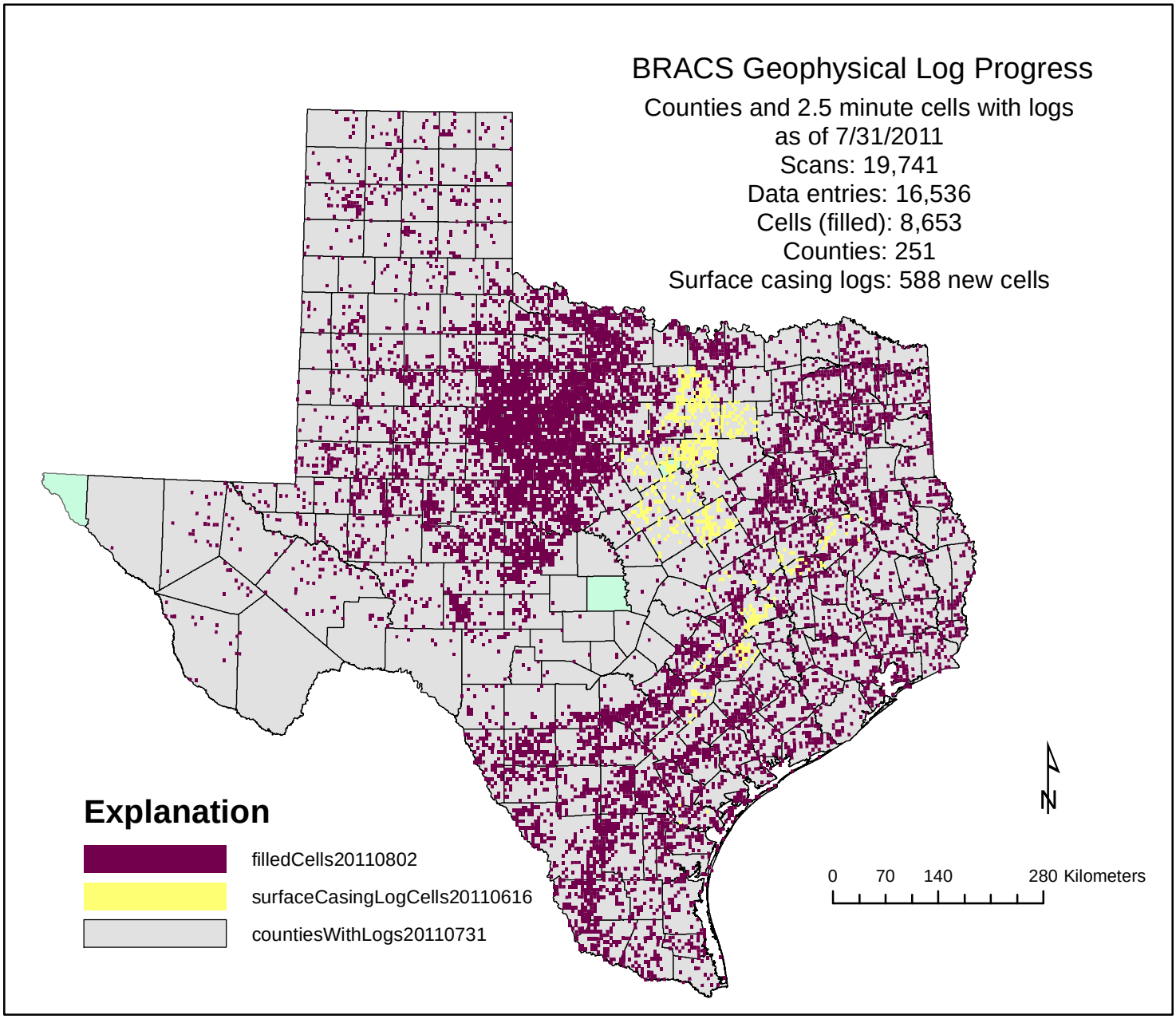
Progress continued in the effort to identify API numbers for criteria-matching logs, determine locations, and scan logs from select counties. As of 7/31, 19,741 logs have been scanned (at 300 dpi for color and 400 dpi for gray scale or black-and-white). Data entry has been completed for 16,536 of the scanned logs. These logs are distributed among 251 counties (see attached map) and fill 8,653 2.5-minute grid cells. Through July, we employed eight to ten temporary staff members to identify historical and IGOR 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 588 that could be used to fill additional cells (see map) for which we yet have no log. We again compared the IGOR database log locations with the unfilled cell locations and found that we have 2004 logs in our database that meet the project criteria and fall within unique 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 continued scanning gamma logs in cells where we have found no electrical (resistivity or induction) log. We deployed two staff and one scanner to the TCEQ Surface Casing offices to identify and scan logs in counties for which we have poor coverage. A no-cost extension was requested from TWDB to extend the ending date from 8/31/2011 to 12/31/2011 to allow continued scanning and database entry activities.

During August, we will continue our efforts to scan and enter the candidate logs already identified, add criteria-matching IGOR logs to the BRACS collection, identify suitable Surface Casing Estimator logs from past and current counties, and scan logs at TCEQ that supplement coverage in numerous low-count counties. We will also be evaluating and incorporating criteria-matching logs from a collection of more than 42,000 scanned logs we will receive in August from the University Lands collection.

Summary Table (through the end of July 2011)

Scanned logs (through 7/31)	19,741
Database entries (through 7/31)	16,536
Filled 2.5 minute grid cells	8,653
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.


BRACS Geophysical Log Progress
Counties and 2.5 minute cells with logs
as of 7/31/2011
Scans: 19,741
Data entries: 16,536
Cells (filled): 8,653
Counties: 251
Surface casing logs: 588 new cells
Explanation
filledCells20110802
surfaceCasingLogCells20110616
countiesWithLogs20110731
N
0 70 140 280 Kilometers