BUREAU OF ECONOMIC GEOLOGY
THE UNIVERSITY OF TEXAS AT AUSTIN

University Station, Box X • Austin, Texas 78713-8924 • (512) 471-1534 • FAX (512) 471-0140
10100 Burnet Road, Bldg. 130 • Austin, Texas 78758-4497

MONTHLY PROGRESS REPORT

Date May 5, 2011 **Reporting Period** April 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

Project Manager Jeffrey G. Paine Telephone (512) 471-1260

Email Address jeff.paine@beg.utexas.edu

BEG staff continued to sort uncataloged geophysical logs into individual counties and to segregate "keeper" logs with resistivity or induction logs that reach within about 200 ft of the ground surface, but the principal effort has shifted toward determining log locations, checking new logs against already-filled cells, scanning logs from unfilled cells, and entering log attribute data. At the end of April, our collection of previously unsorted logs has yielded 61,623 logs that are candidates for scanning. These logs are distributed across 248 of Texas' 254 counties.

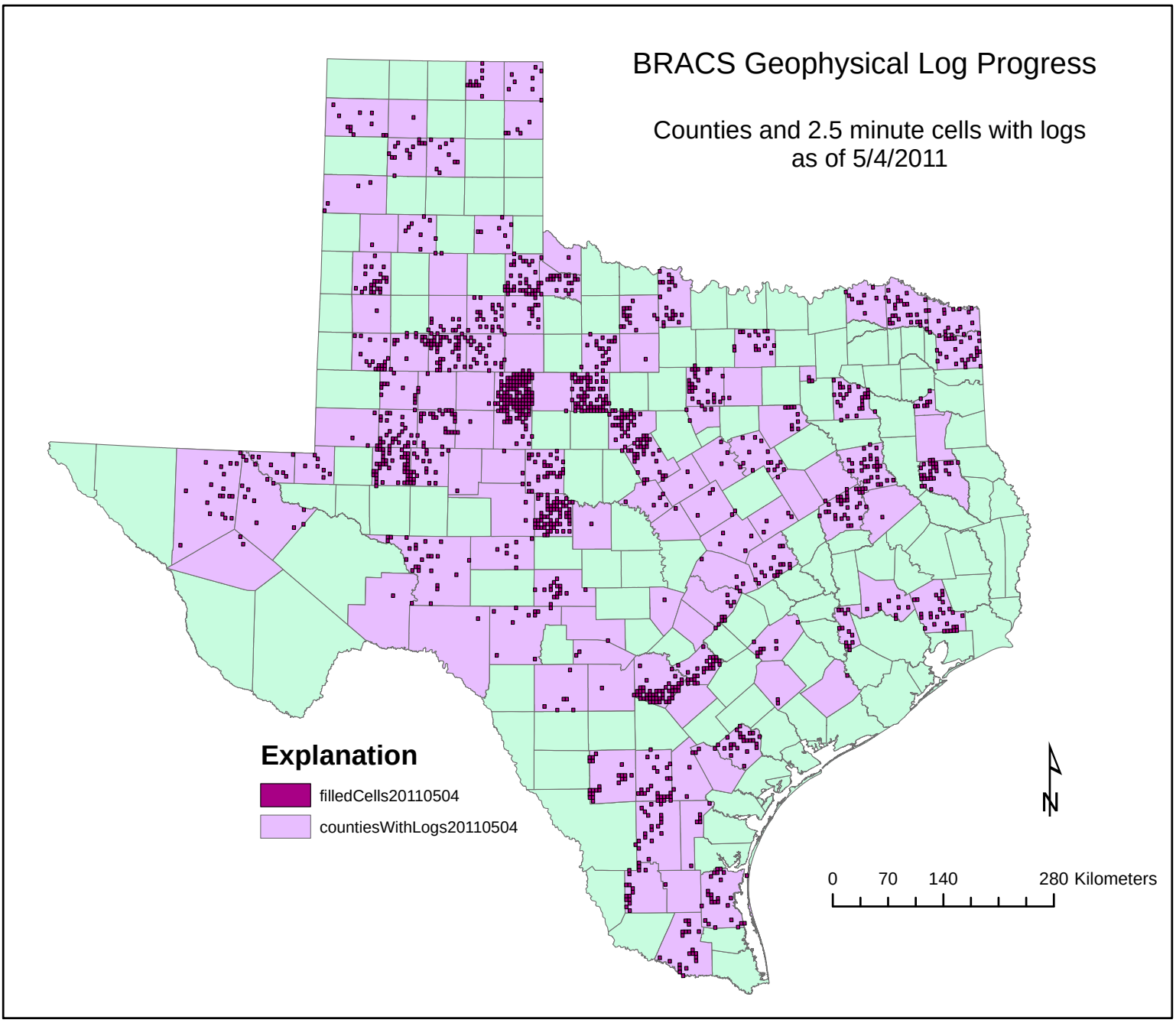
Progress was also made in the effort to identify API numbers for keeper logs, determine locations, and scan logs from select counties. As of 4/29, 4,522 logs have been scanned (at 300 dpi for color and 400 dpi for gray scale). Data entry has been completed for 3,150 of the scanned logs. These logs are distributed among 117 counties (see attached map) and fill 1,615 cells. A web application developed at BEG was modified to allow staff to check whether a newly determined well location falls within an already filled cell to avoid the effort required to scan and enter logs that fall within a cell that has already been filled. We currently have two temporary staff members continuing to identify historical logs for scanning. Five others have begun determining log locations, checking for cell matches, scanning logs, and entering data.

During May, we will continue our efforts to locate, scan, and enter the candidate logs, with increased emphasis on scanning and data entry as we enter the last four months of the project. We will begin supplementing these logs by scanning previously unscanned, criteria-matching logs from the IGOR collection in counties that have yielded few historical logs. We will also be evaluating 20,000 scanned logs donated by The University of Texas at El Paso for inclusion in the BRACS database. We are seeking to add at least two licenses to our online database service subscription that will allow us to increase log location rates, which to date has been the rate-limiting process.

Summary Table (through the end of April, 2011)

Logs that are scanning candidates	61,623
Counties having candidate logs	248
Scanned logs	4,522
Database entries (through 5/4)	3,150

Attached is a pdf version of a map showing the distribution of filled 2.5 minute cells and counties with at least one filled cell as an aid to visualizing status.


BRACS Geophysical Log Progress
Counties and 2.5 minute cells with logs
as of 5/4/2011
Explanation
filledCells20110504
countiesWithLogs20110504
N
0
70
140
280 Kilometers