

MEMORANDUM No. 119

DATE: July 27, 2007

TO: All Operators and Interested Persons

FROM: Nebraska Oil and Gas Conservation Commission

SUBJECT: LANDSAT Photogeologic-Geomorphic Study

The Commission will be releasing the subject study during the first week of August 2007. The material will include twelve LANDSAT scenes, covering all of Nebraska and a portion of northeastern Colorado, their companion lineament and curvi-linear interpretations, the 1:250,000 topographic maps, and a written report. The report will also be available in PDF format. All of the images will be accessible at our website, www.nogcc.ne.gov, for inspection and downloading. Notification of the release date will also be posted on our website.

The study was conducted by Mr. David Koger of Fort Worth, TX. LANDSAT data were reprocessed and then interpreted for lineaments, curvi-linears, and tonal anomalies. Mr. Koger's interpretation integrated the existing aeromagnetic and gravity information for Nebraska. Each scene has anomalous areas that could be categorized as "lead areas" for further exploration efforts.

We have recently introduced a searchable Geographic Information System using a Google search engine. It can be accessed at our website under "GIS Data Mining". Individual well data can be accessed and downloaded from the site. We have now scanned the important documents and well information in all but seven counties. The counties which remain to be scanned include Cheyenne, Kimball, Morrill, and Scotts Bluff in the panhandle; Hitchcock and Red Willow in southwestern Nebraska; and Richardson in the southeast. Our goal is to stimulate exploration in all parts of our state by providing more and better data for everyone.

If anyone desires a copy of the LANDSAT study materials, they will be made available on CD, upon request, for a cost of \$25.00. Please contact our Sidney office if you desire a copy.

William H. Sydow
Director