



CVL CONSULTANTS OF COLORADO, INC.  
CIVIL ENGINEERING • LAND SURVEYING

July 17, 2012

Sue Liu, PE  
Arapahoe County  
Public Works and Development  
Engineering Services Division  
6924 South Lima Street  
Centennial, CO 80112

**RE: Tebo 1-1H Well Site  
Use by Special Review  
Drainage Compliance Letter  
Arapahoe County Pre-submittal Case No. Q12-037  
CVL Project No. 8.13.0201601**

To Ms. Liu:

The Tebo 1-1H well site is located northeast of the Airline Road and East Quincy Avenue intersection, in Section 1, Township 5 South, Range 64 West. Proposed improvements, including a graded 400' x 400' flat pad site and a 16' wide gravel access road, will be constructed in support of drilling an oil well.

The landscape could be characterized as open range land. The existing topography generally drains from the southwest corner to the northeast corner of the pad site at an existing grade of approximating 5.3%. The access road topography drains from west to east along the 350' access road route. The site is located in a watershed tributary to Kiowa Creek, by way of a western side tributary to that major drainageway. FEMA does not map this tributary with a 100 year floodplain. There are no springs or irrigation ditches on the site. No other non-stormwater sources are contemplated at this project site.

Airline Road is located on a ridge line, so there is little drainage conveyed across the improvements. Two 18" diameter CMP culverts are proposed. One conveys drainage in the roadside ditch at Airline Road. The other conveys drainage from the diversion ditch at the toe of the well pad's cut slope under the access road. Please refer to the attached exhibit.

No adverse short term or long term drainage impacts resulting from the construction of the pad site or access road are anticipated to the floodplain.

If you have any questions regarding the stormwater drainage associated with this project, please do not hesitate to call me at 720.249.3539.

Sincerely,  
**CVL Consultants of Colorado, Inc.**

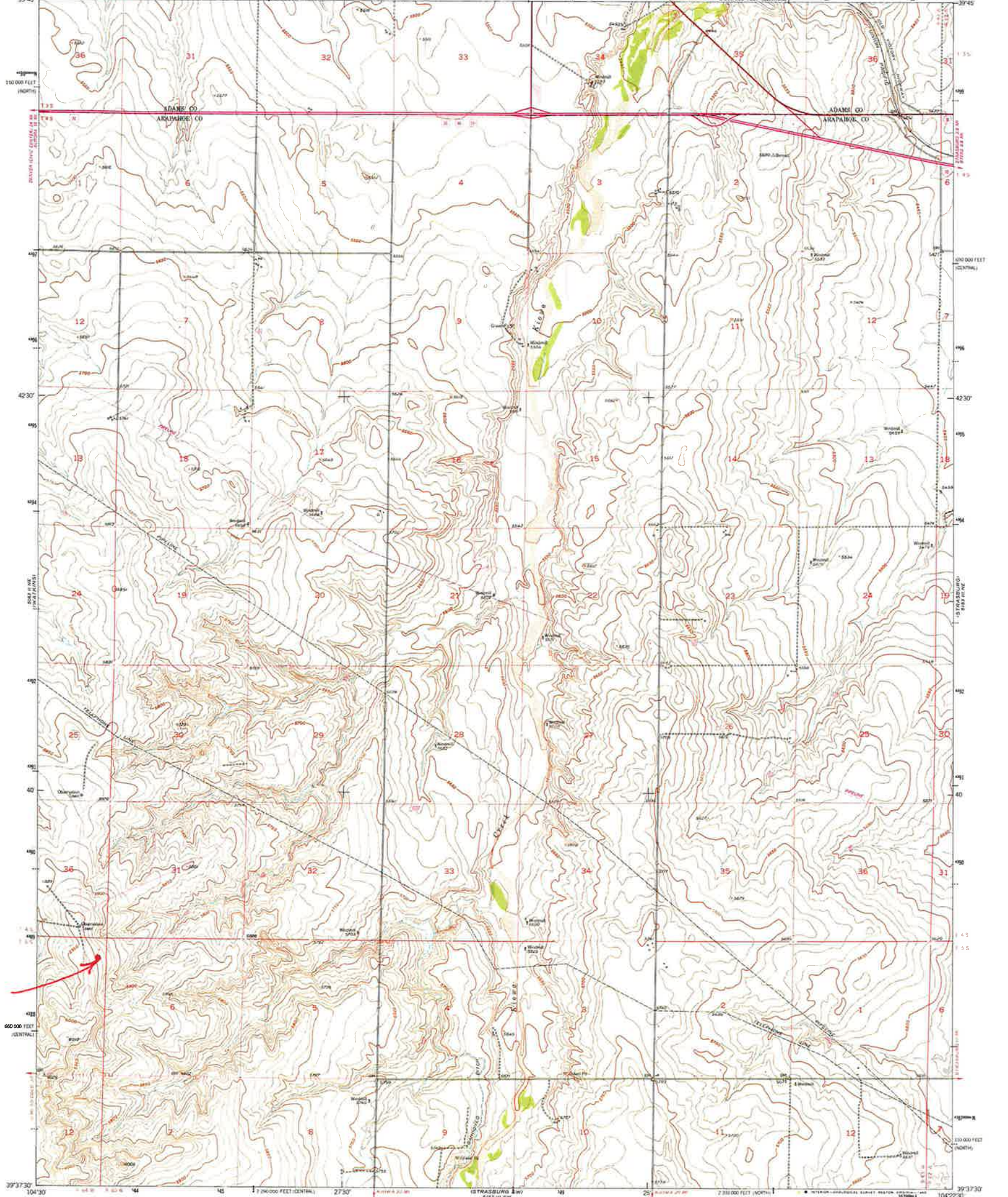
Melinda E. Lundquist, PE, LEED AP  
*Senior Project Manager*

cc: Wayne McCreesh, ConocoPhillips Company  
Maxwell Blair, ConocoPhillips Company

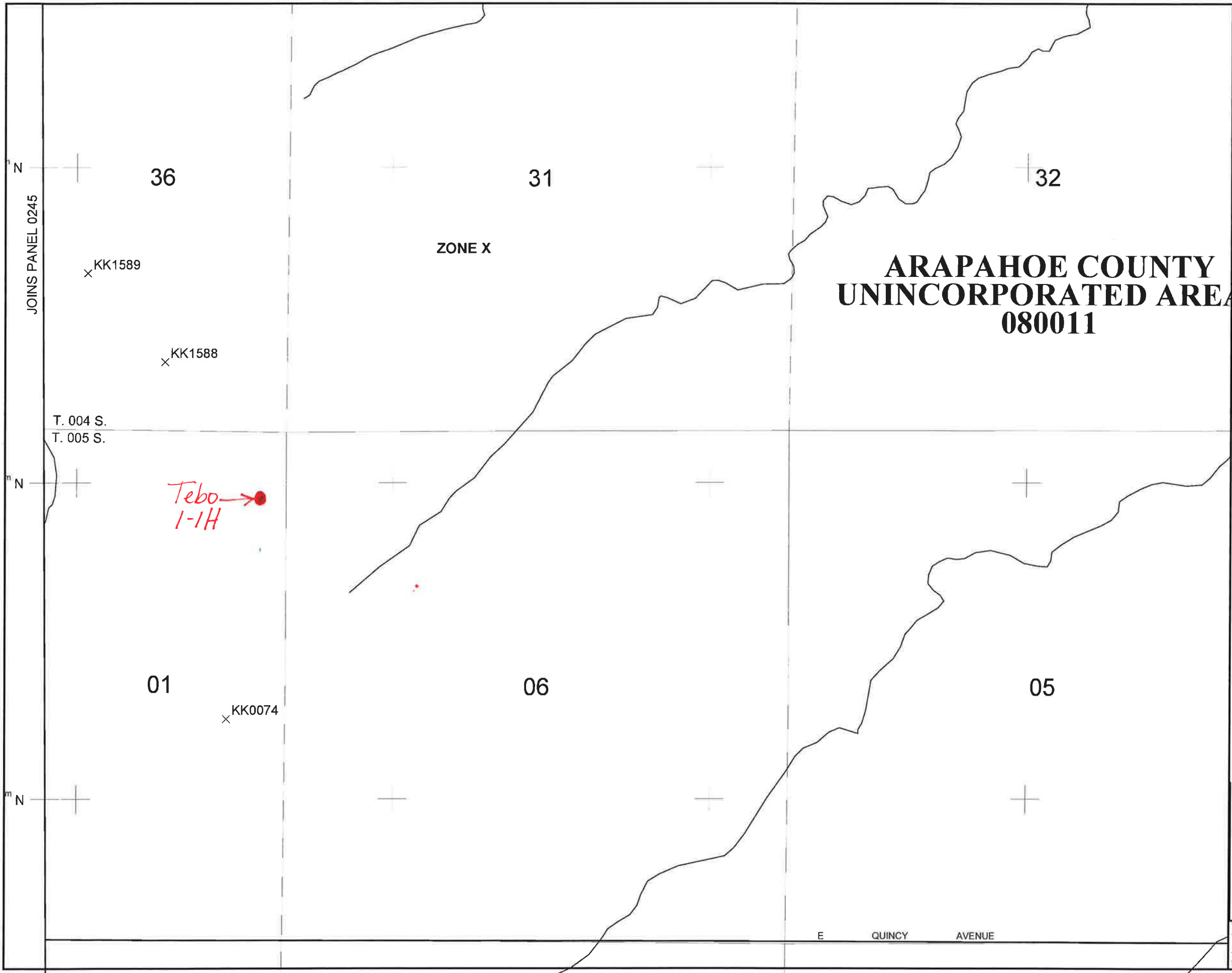




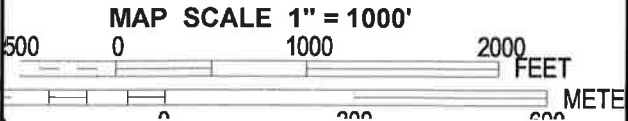
Tebo  
1-14







JOINS PANEL 0245



PANEL 0265K

**FIRM**  
**FLOOD INSURANCE RATE MAP**  
**ARAPAHOE COUNTY,**  
**COLORADO**  
**AND INCORPORATED AREAS**

**PANEL 265 OF 725**  
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:			
COMMUNITY	NUMBER	PANEL	SUFFIX
ARAPAHOE COUNTY	080011	0265	K

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.



**MAP NUMBER**  
**08005C0265K**  
**MAP REVISED**  
**DECEMBER 17, 2010**

Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at [www.msc.fema.gov](http://www.msc.fema.gov)