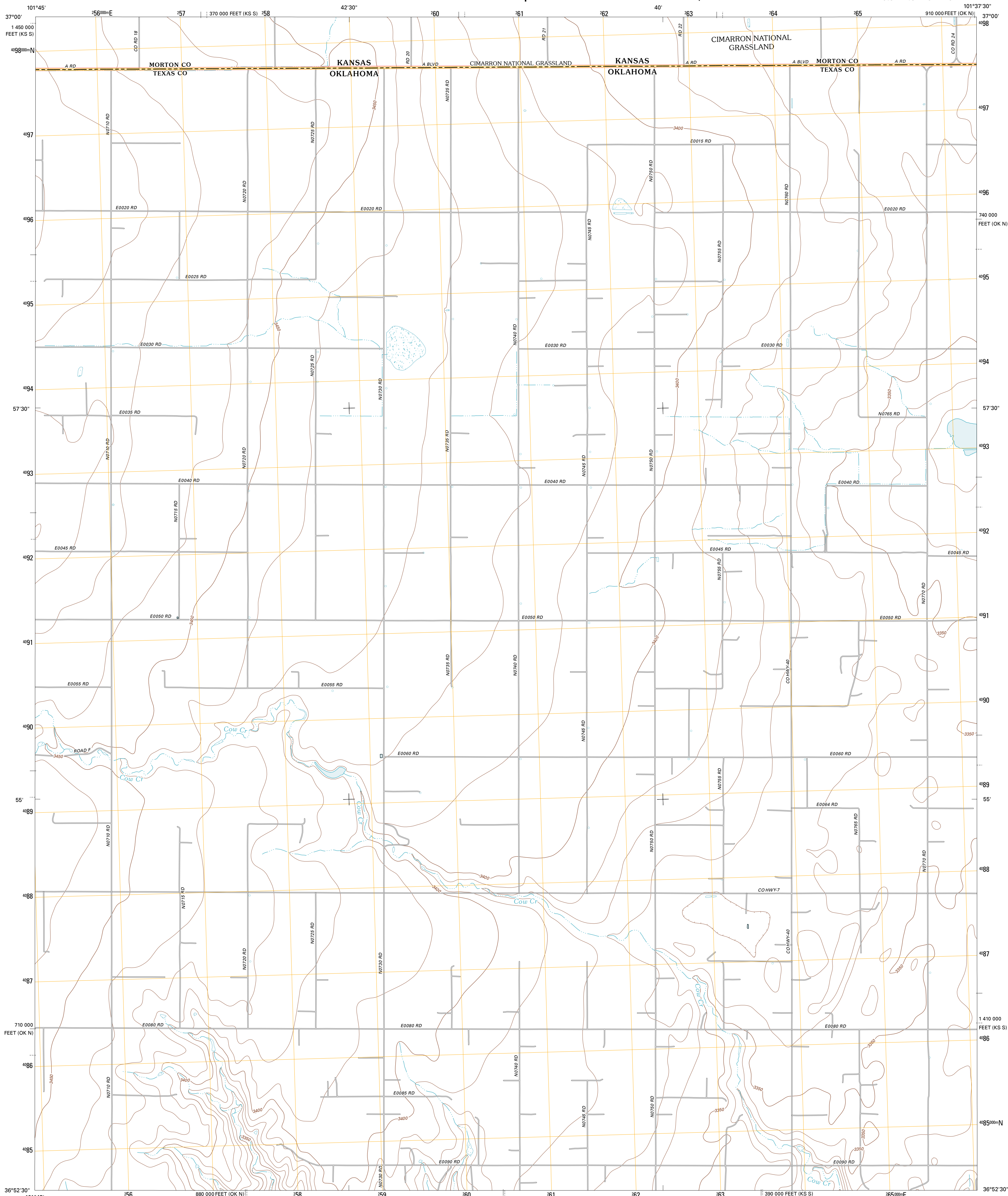




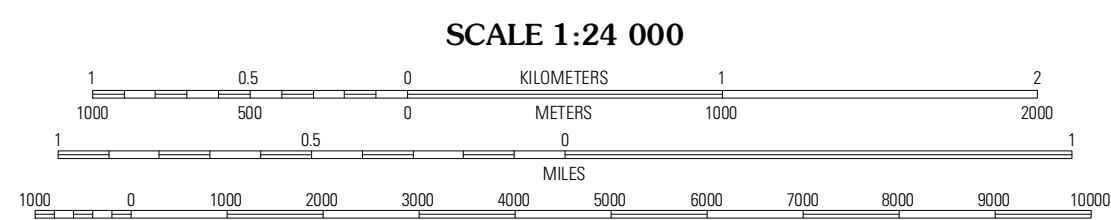
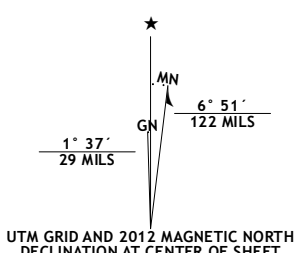
U.S. DEPARTMENT OF THE INTERIOR  
U. S. GEOLOGICAL SURVEY



HOUGH NW QUADRANGLE  
OKLAHOMA-KANSAS  
7.5-MINUTE SERIES



Produced by the United States Geological Survey  
North American Datum of 1983 (NAD83)  
World Geodetic System of 1984 (WGS84) Projection and  
1 000-meter grid: Universal Transverse Mercator, Zone 14S  
10 000-foot ticks: Oklahoma Coordinate System of 1983  
(north zone), Kansas Coordinate System of 1983 (south zone)



**ROAD CLASSIFICATION**

|                  |                    |                         |
|------------------|--------------------|-------------------------|
| Interstate Route | State Route        | Local Road              |
| US Route         | State Route        | 4WD                     |
| Ramp             | US Route           | FS High Clearance Route |
| FS Primary Route | FS Passenger Route |                         |

Check with local Forest Service unit for current travel conditions and restrictions.

QUADRANGLE LOCATION

|           |          |          |
|-----------|----------|----------|
| Wilburton | Rolla    | Rolla SE |
| Eva NE    | Hough NW | Hough NE |
| Eva SE    | Hough SW | Hough    |

ADJOINING 7.5' QUADRANGLES

Imagery: NAIP, May 2010  
Roads: ©2006-2011 TomTom  
Roads within US Forest Service Lands: FS Topo Data with limited Forest Service updates, 2012  
Names: GNIS, 2012  
Hydrography: National Hydrography Dataset, 2010  
Contours: National Elevation Dataset, 2007  
Boundaries: Census, IBWC, IBC, USGS, 1972 - 2012

U.S. National Grid  
100,000-m Square ID  
KF  
Grid Zone Designation  
14S

CONTOUR INTERVAL 10 FEET  
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the National Geospatial Program US Topo Product Standard, 2011. A metadata file associated with this product is draft version 0.6.6

HOUGH NW, OK-KS  
2012