

CHAUTAUQUA

County, Kansas

85'FNL-1920'FWL Section 18 Township 34S Range 9E P.M.



Operator: NEMAHA OIL AND GAS
 Lease Name: MASSEY SWD Well No.: 1A-18-34-9 **ELEVATION:** 946' Gr. at Stake
 Topography & Vegetation Loc. fell in pasture
 Good Drill Site? Yes Reference Stakes or Alternate Location Stakes Set None
 Best Accessibility to Location From East off county road
 Distance & Direction From Cedar Vale, KS, go East ±2.0 mi, then ±1.0 mi South to arrive at the Northeast corner of Sec. 18-T34S-R9E

This information was gathered with a GPS receiver with Sub-Meter accuracy.

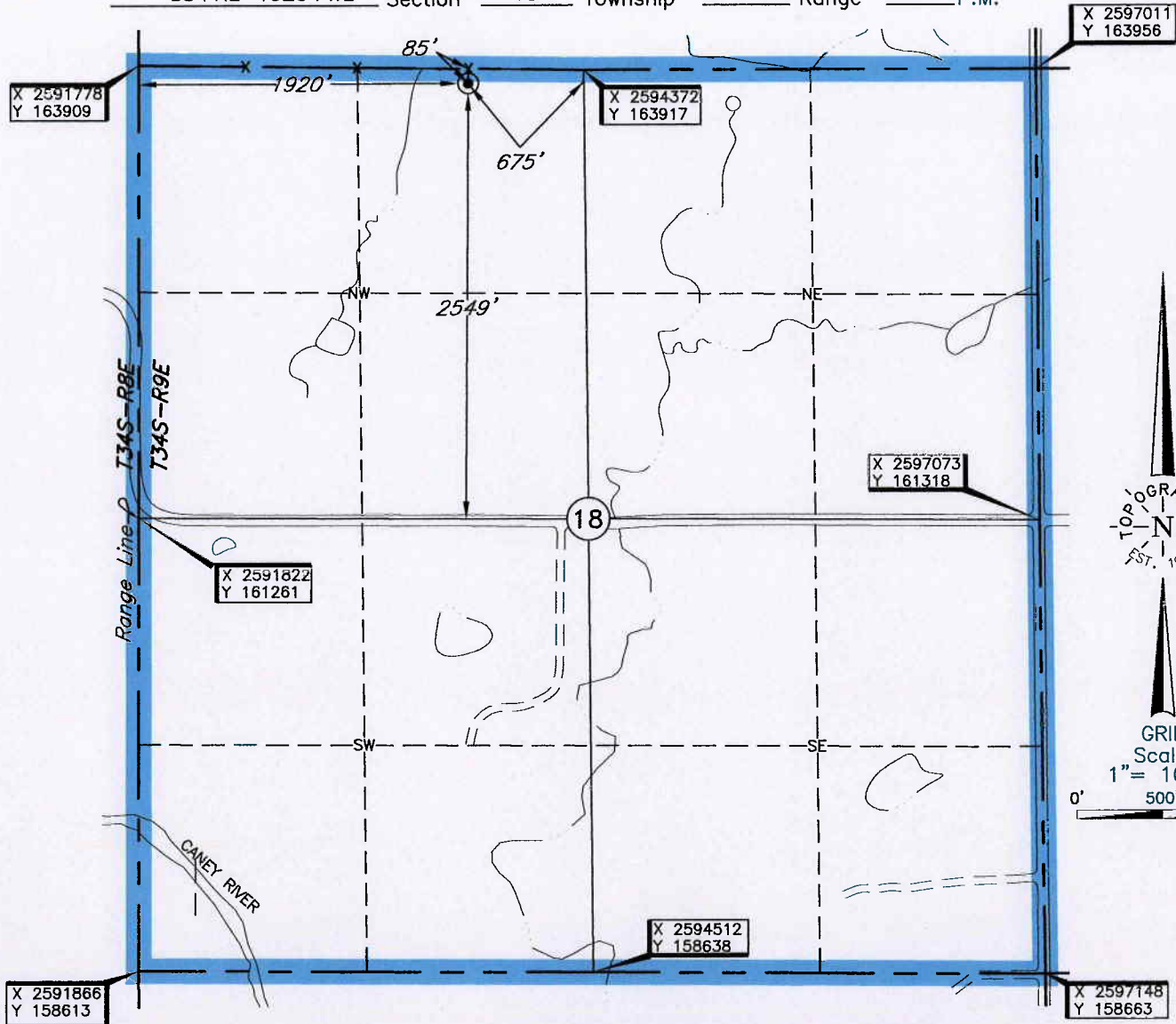
DATUM: NAD-27
 LAT: 37°05'55.7"N
 LONG: 96°27'51.6"W
 LAT: 37.098799651
 LONG: 96.464335107
 STATE PLANE
 COORDINATES: (US Feet)
 ZONE: KANSAS SOUTH
 X: 2593699
 Y: 163830

Revision A Date of Drawing: Nov. 29, 2012
 Invoice # 192525A Date Staked: Nov. 17, 2012

CERTIFICATE:
 I, Michael Blake Brown a Kansas Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors, do hereby certify that the above described well location was surveyed and staked on the ground as shown herein.



County, Kansas
 85'FNL-1920'FWL Section 18 Township 34S Range 9E P.M.



Corner Coordinates are Taken from Points Surveyed in the Field.

Distances shown in (parenthesis) are calculated based upon the Quarter Section being 2640 feet, those shown in [brackets] are based on GLO (General Land Office) distances and have NOT been measured on the ground.

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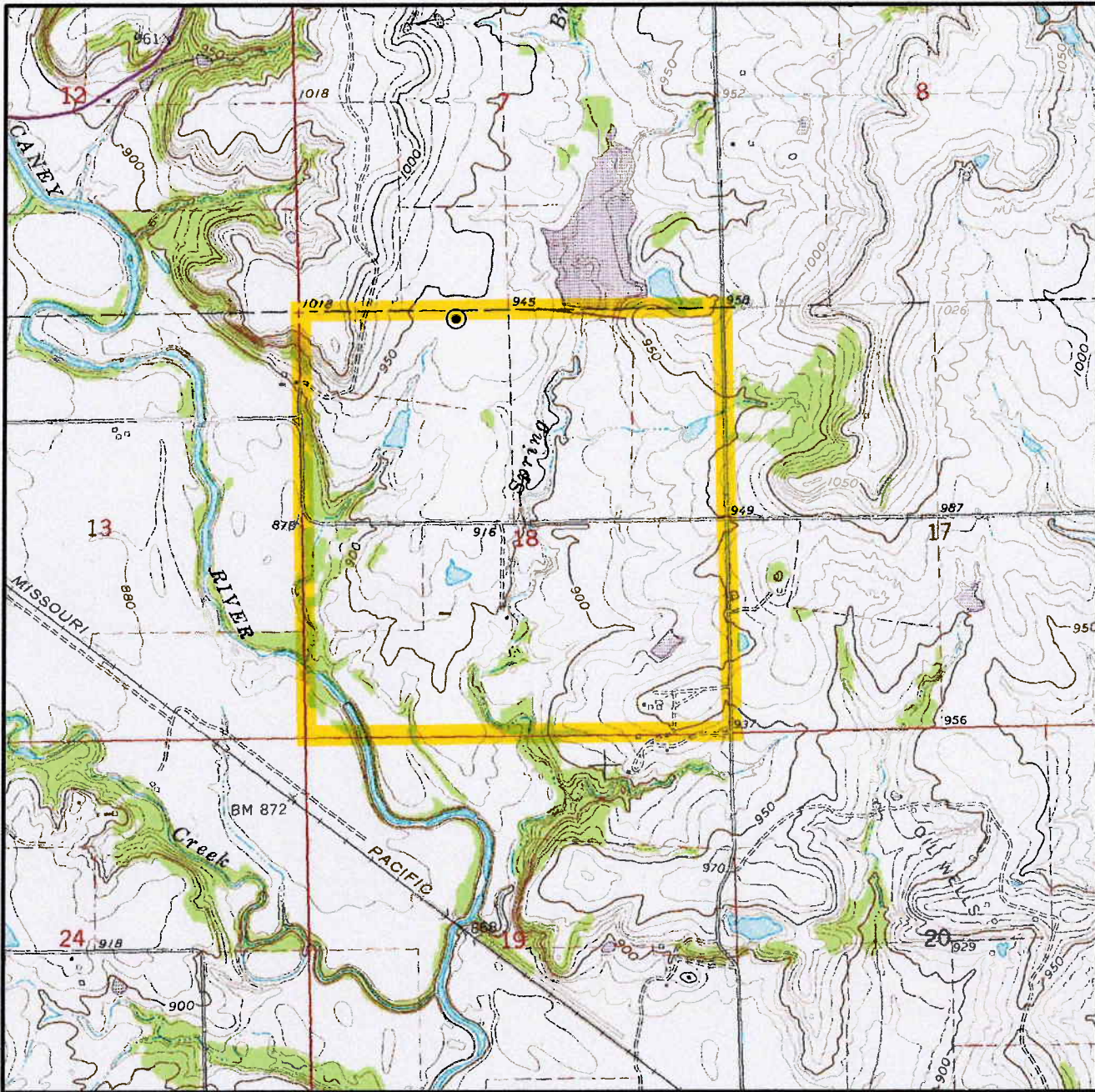
TOPOGRAPHIC LAND SURVEYORS

Surveying and Mapping for the Energy Industry

6709 North Classen Blvd. Oklahoma City, OK 73116 www.topographic.com

Telephone Numbers: Local (405) 843-4847 Toll Free (800) 654-3219

LOCATION & ELEVATION VERIFICATION MAP



Sec. 18 Twp. 34S Rng. 9E

County CHAUTAUQUA State KS

Operator NEMAHA OIL AND GAS

Description 85'FNL-1920'FWL

Lease MASSEY SWD 1A-18-34-9

Elevation 946' Gr. at Stake

U.S.G.S. Topographic
Quadrangle Map CEDAR VALE EAST, KS

Above Background Data from
U.S.G.S. Topographic Map
Scale: 1"=2000'

Contour Interval 10'

This location has been very carefully staked on the ground according to the best official survey records, maps and photographs available to us, but its accuracy is not guaranteed. When elevation is shown hereon it is the ground elevation of the location stake.
Review this plat and inform us immediately of any possible discrepancy.

TOPOGRAPHIC

SURVEYING • MAPPING • GIS • GPS

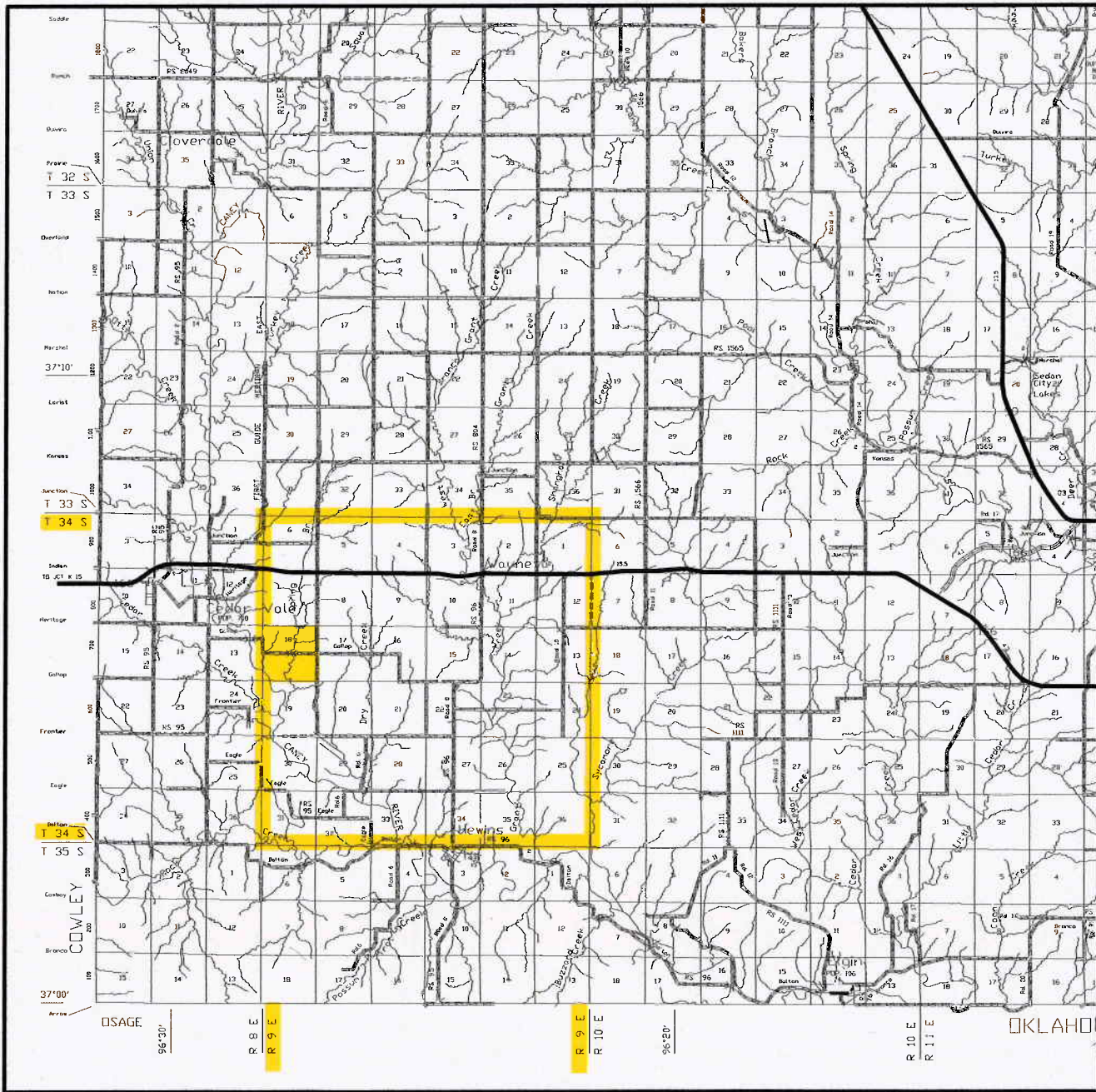
LAND SURVEYORS

Nov. 17, 2012

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VICINITY MAP



Scale: 1" = 3 Miles

Sec. 18 Twp. 34S Rng. 9E

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