

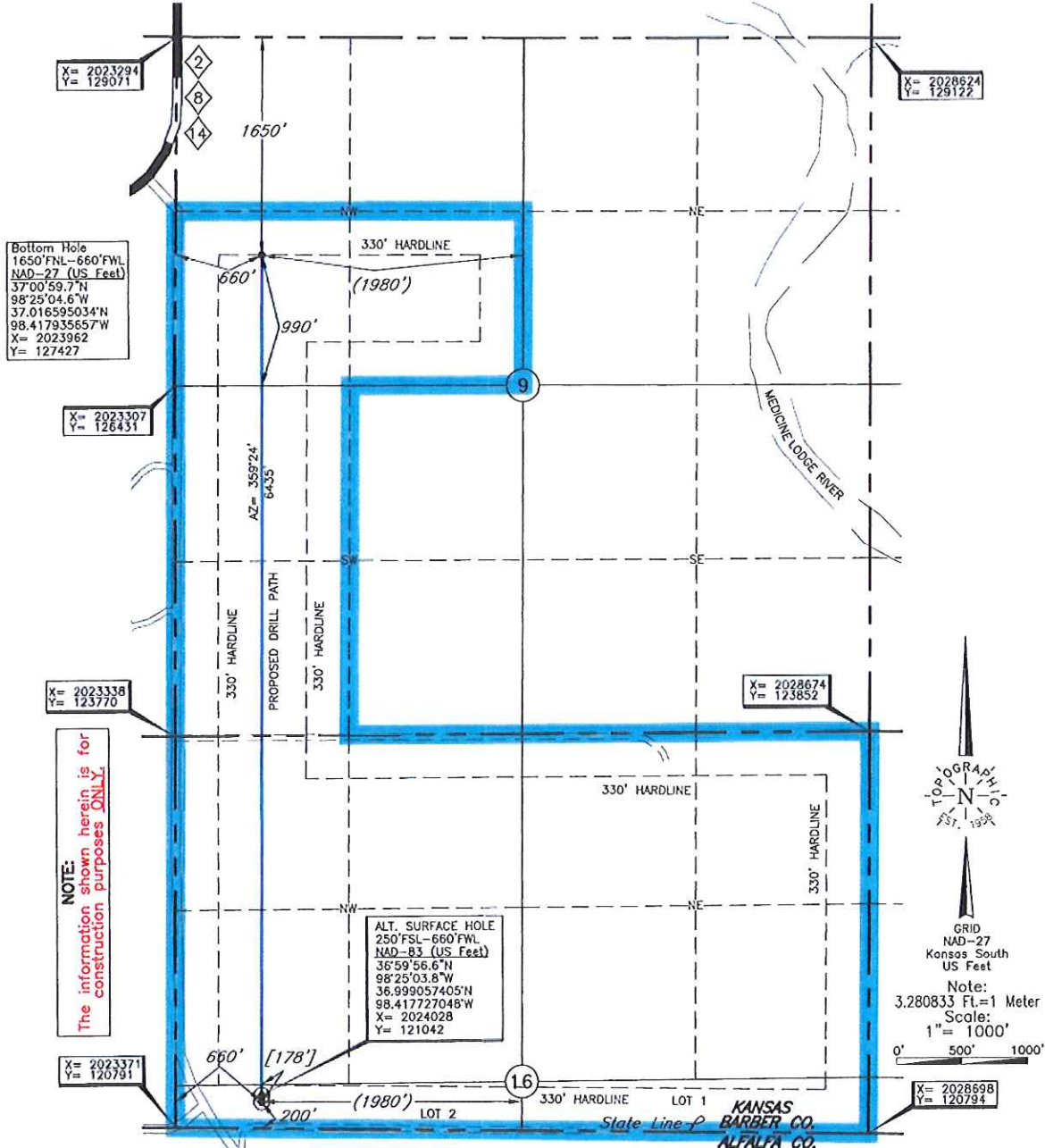
**TOPOGRAPHIC LAND SURVEYORS**

6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 \* LOCAL (405) 843-4847 \* OUT OF STATE (800) 654-3219  
 Certificate of Authorization No. LS-99, Exp. Dec. 31, 2015

BARBER

County, Kansas

200'FSL-660'FWL Section 16 Township 35S Range 10W P.M.



**NOTE:**  
 The information shown herein is for construction purposes ONLY.

Bottom Hole, Unit Line, and Drill Path information provided by operator listed, NOT Surveyed;

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.

A boundary survey of the said section(s) shown hereon was not performed per the request of the operator shown hereon.

Operator: TAPSTONE ENERGY  
 Lease Name: SCHUPBACH 3510 Well No.: 16-2H ELEVATION: 1317' Gr. at Stake  
 Topography & Vegetation Loc. fell in sloping wheat field ±125' North of drain running E-W  
 Alt. Loc. fell in sloping wheat field ±175' North of drain running E-W  
 Reference Stakes or Alternate Location  
 Good Drill Site? Yes; Alt. Yes Stakes Set 250'FSL-660'FWL 1318' Gr. at Stake  
 Best Accessibility to Location From South off county road  
 Distance & Direction from Hwy Jct or Town From Kiowa, KS., go ±3.5 mi. East on Tri City road, then go ±1.4 mi. South on county road to SW corner of Section 16-T35S-R10W

DATUM: NAD-27  
 LAT: 36°59'56.1"N  
 LONG: 98°25'03.8"W  
 LAT: 36.998920059°N  
 LONG: 98.417724950°W  
 STATE PLANE  
 COORDINATES: (US Feet)  
 ZONE: KS SOUTH  
 X: 2024029  
 Y: 120992

Date of Drawing: May 1, 2014  
 Invoice # 220487 Date Staked: Apr. 30, 2014 JAL

**CERTIFICATE:**

I, Lee K. Goss 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.

