

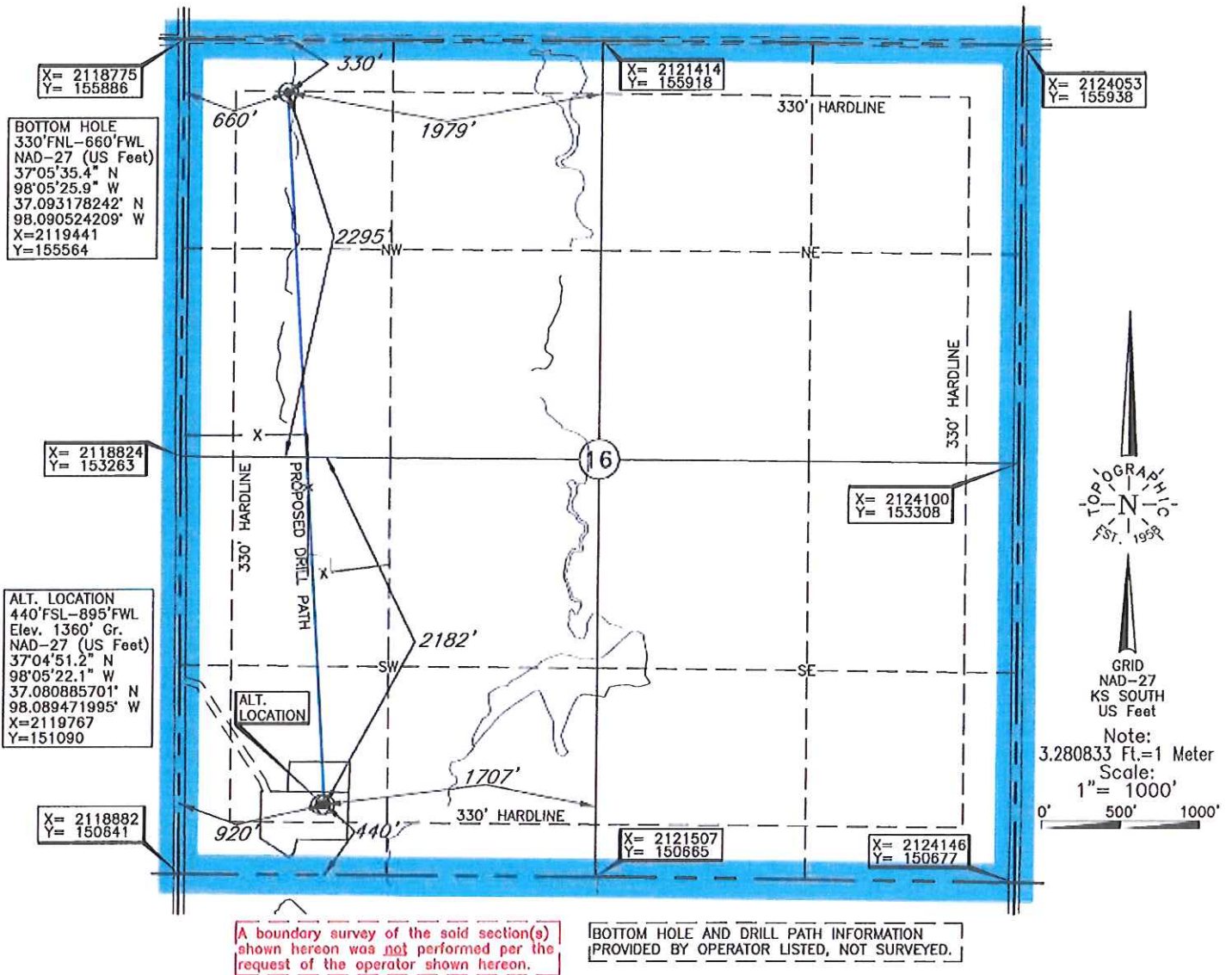
**TOPOGRAPHIC LAND SURVEYORS**

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

HARPER

County, Kansas

440'FSL - 920'FWL Section 16 Township 34S Range 7W P.M.



Operator: TAPSTONE ENERGY  
 Lease Name: KAUP 3407 Well No.: 16-2H **ELEVATION:** 1360' Gr. at Stake  
 Topography & Vegetation Loc. fell at level pad, ±81' South of pit fence, ±110' North of existing well heads, ±150' West of pad edge; Alt. loc. fell at level pad, ±175' West of pad edge  
 Reference Stakes or Alternate Location  
 Good Drill Site? Yes; Alt. Yes Stakes Set Alt. 440'FSL-895'FWL; Elev. 1360' Gr. at level pad  
 Best Accessibility to Location From West off lease road  
 Distance & Direction From Anthony, KS, go ±3.5 mi. West on St. Hwy. 14, then ±5.0 mi. South to the SW Cor. of Sec. 16-T34S-R7W

DATUM: NAD-27  
 LAT: 37°04'51.2"N  
 LONG: 98°05'21.8"W  
 LAT: 37.080886257' N  
 LONG: 98.089386492' W  
 STATE PLANE  
 COORDINATES: (US Feet)  
 ZONE: KS SOUTH  
 X: 2119792  
 Y: 151090

Date of Drawing: Sep. 16, 2014  
 Invoice # 230466 Date Staked: Sep. 12, 2014 AC

**CERTIFICATE:**

I, Lee K. Goss a Kansas Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors, do hereby certify to the information shown herein



This information was gathered with a GPS receiver with ±1 foot Horiz./Vert. accuracy