

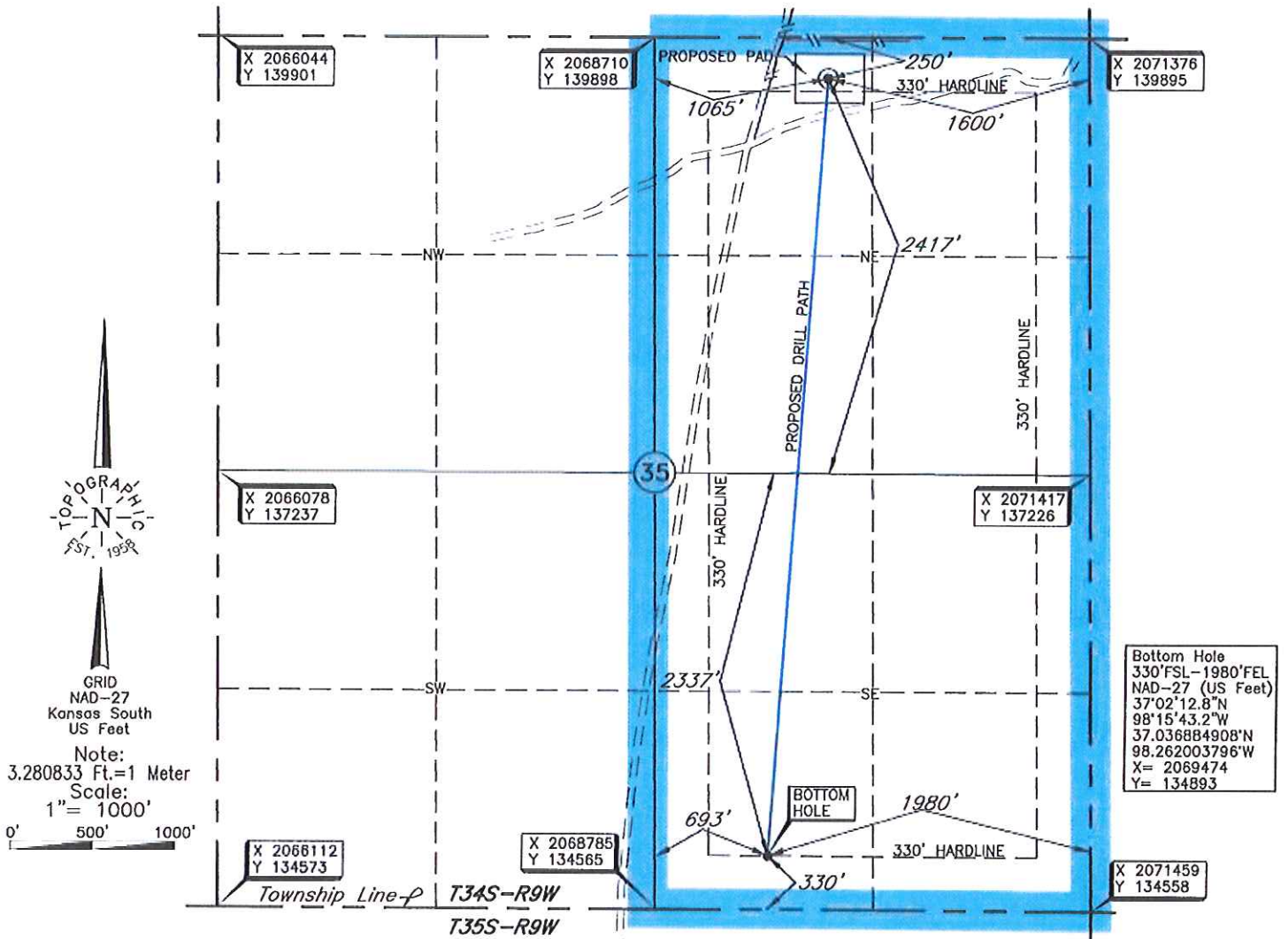
**TOPOGRAPHIC LAND SURVEYORS**

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

250'FNL - 1600'FEL Section 35 Township 34S Range 9W P.M.



Bottom Hole  
 330'FSL-1980'FEL  
 NAD-27 (US Feet)  
 37°02'12.8"N  
 98°15'43.2"W  
 37.036884908°N  
 98.262003796°W  
 X= 2069474  
 Y= 134893

BOTTOM HOLE AND DRILL PATH INFORMATION PROVIDED BY OPERATOR LISTED, NOT SURVEYED.

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: ANDY 35-34-9

Well No.: 1H **ELEVATION:** 1270' Gr. at Stake

Topography & Vegetation Loc. fell in sandy hilly pasture, ±340' East of pipeline, ±232' South of pipeline

Good Drill Site? Yes Reference Stakes or Alternate Location Stakes Set None

Best Accessibility to Location From SW off lease road

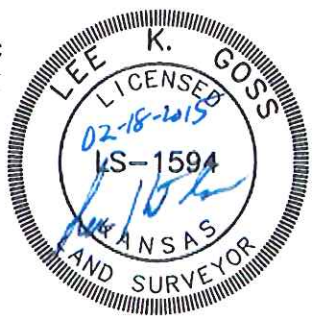
Distance & Direction From Oklahoma-Kansas State Line on St Hwy. 58, go ±1.1 mi. North on county road to lease road East, then ±3.4 mi. NE - North on lease road to the location in the NE/4 of Sec. 35-T34S-R9W

DATUM: NAD-27  
 LAT: 37°02'59.8"N  
 LONG: 98°15'39.3"W  
 LAT: 37.049936839° N  
 LONG: 98.260915798° W  
 STATE PLANE COORDINATES: (US Feet)  
 ZONE: KS SOUTH  
 X: 2069779  
 Y: 139647

Date of Drawing: Feb. 18, 2015  
 Invoice # 240475 Date Staked: Feb. 17, 2015 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.