

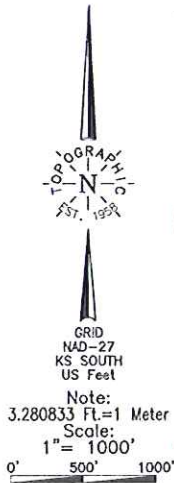
TOPOGRAPHIC LAND SURVEYORS

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

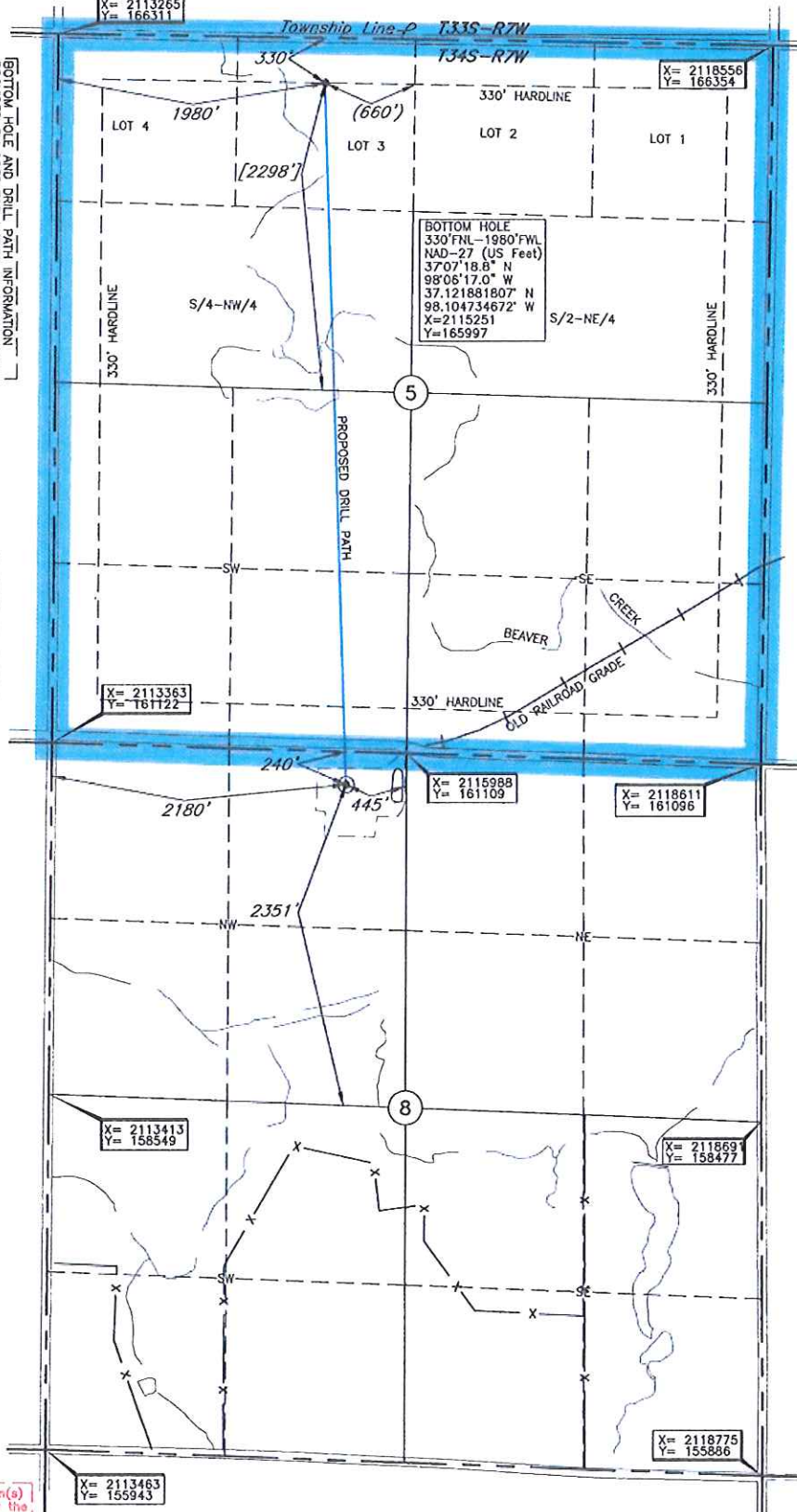
County, Kansas

240'FNL - 2180'FWL Section 8 Township 34S Range 7W P.M.



Distances shown in parentheses are calculated based on the corner locations shown in brackets are based on the (General Land Office) distances and have NOT been measured on the ground.

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



Operator: TAPSTONE ENERGY
 Lease Name: KAMAR S-34-7
 Topography & Vegetation Loc. fell on level pad, ±90' North of existing wells
 Good Drill Site? Yes
 Best Accessibility to Location From North off county road
 Distance & Direction From Anthony, KS, go ±4.5 mi. West on St. Hwy. 2, then ±3.0 mi. South to the NW Cor. of Sec. 8-134S-R7W
 Reference Stakes or Alternate Location Stakes Set None
 Well No.: 1H
 ELEVATION: 1345' Gr. at level pad

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

DATUM: NAD-27
 LAT: 37°06'28.1"N
 LONG: 98°06'13.6"W
 LAT: 37.107799068° N
 LONG: 98.103790689° W
 STATE PLANE COORDINATES: (US Feet)
 ZONE: KS SOUTH
 X: 2115548
 Y: 160871

Invoice # 230465 Date Staked: Sep. 18, 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

