

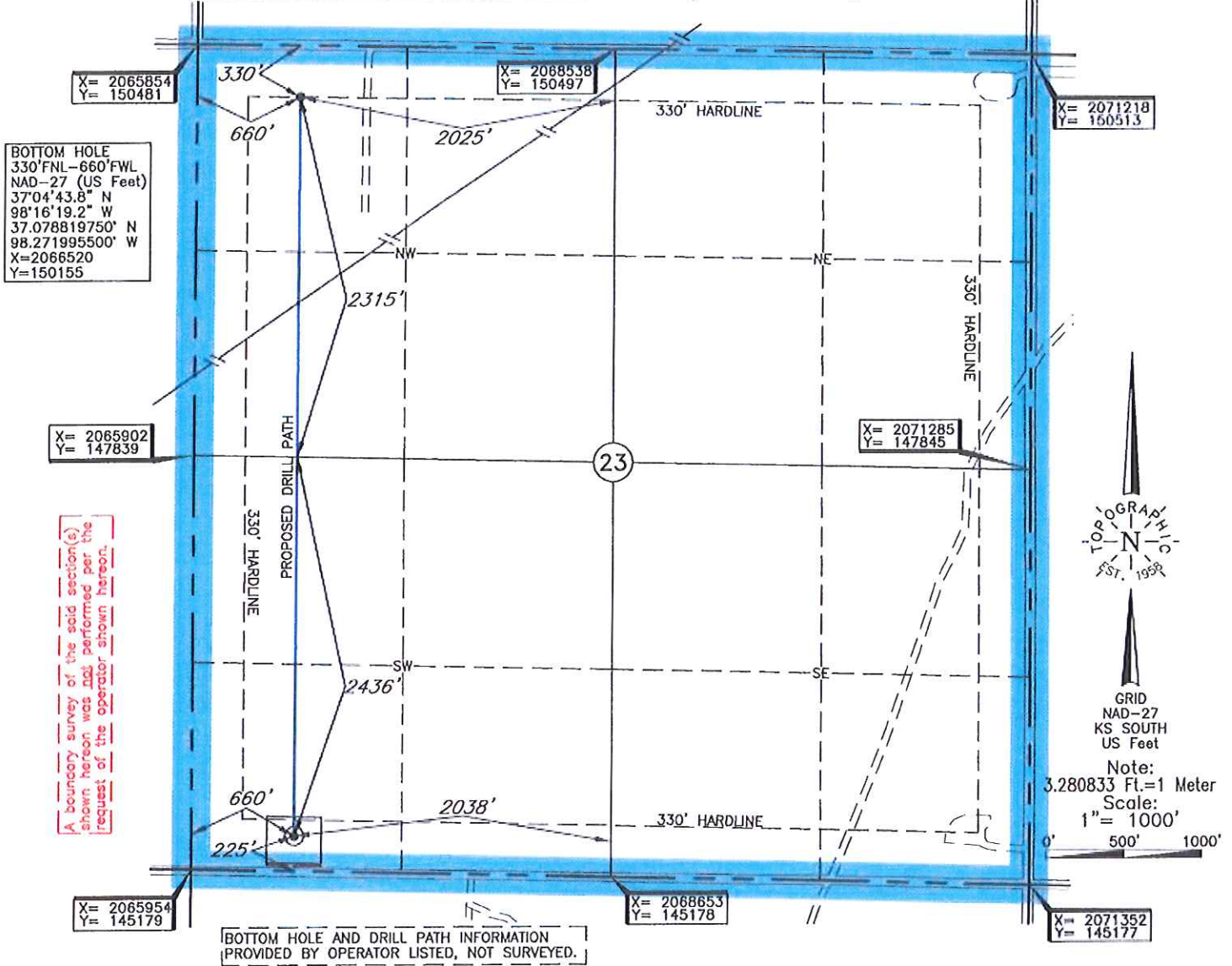
TOPOGRAPHIC LAND SURVEYORS

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

225'FSL - 660'FWL Section 23 Township 34S Range 9W P.M.



TOPOGRAPHIC
 SURVEYORS
 EST. 1959

GRID
 NAD-27
 KS SOUTH
 US Feet

Note:
 3.280833 Ft.=1 Meter
 Scale:
 1"= 1000'
 0' 500' 1000'

Operator: TAPSTONE ENERGY
 Lease Name: HAZEL 23-34-9 Well No.: 1H ELEVATION: 1275' Gr. at Stake
 Topography & Vegetation Loc. fell in slightly rolling pasture, ±186' North of E-W fence
 Good Drill Site? Yes Reference Stakes or Alternate Location Stakes Set None
 Best Accessibility to Location From South off county road
 Distance & Direction From Hwy Jct or Town From Anthony, KS, go ±12.5 mi. West, then ±6.0 mi. South,
then ±1.0 mi. West to the SW Cor. of Sec. 23-T34S-R9W

This information was gathered with a GPS receiver with ±1 foot horiz./vert. accuracy.

DATUM: NAD-27
 LAT: 37°03'56.8"N
 LONG: 98°16'18.2"W
 LAT: 37.065769847° N
 LONG: 98.271726135° W
 STATE PLANE
 COORDINATES: (US Feet)
 ZONE: KS SOUTH
 X: 2066610
 Y: 145404

Date of Drawing: May 22, 2015
 Invoice # 244659 Date Staked: May 21, 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

