

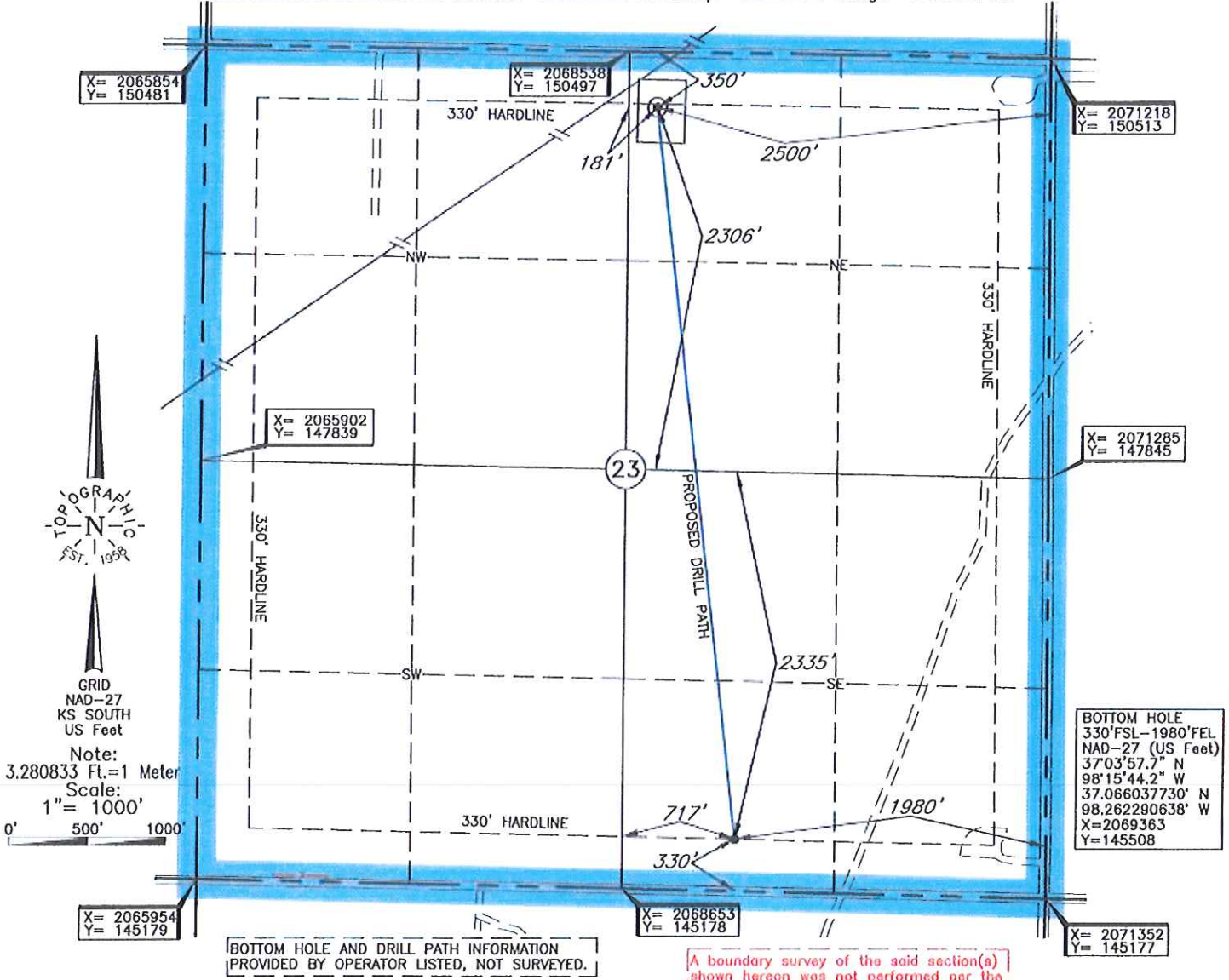
TOPOGRAPHIC LAND SURVEYORS

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

350'FNL - 2500'FEL Section 23 Township 34S Range 9W P.M.



Operator: TAPSTONE ENERGY
 Lease Name: HAZEL 23-34-9 Well No.: 2H **ELEVATION:** 1288' Gr. at Stake
 Topography & Vegetation Loc. fell in sandy grass pasture, pad under construction, ±190' South of E-W water line

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

Best Accessibility to Location From North off county road
 Distance & Direction From Hwy Jct or Town From Anthony, KS, go ±12.5 mi. West, then ±5.0 mi. South to the NE Cor. of Sec. 23-T34S-R9W

DATUM: NAD-27
 LAT: 37°04'43.6"N
 LONG: 98°15'52.0"W
 LAT: 37.078785628' N
 LONG: 98.264431169' W
 STATE PLANE COORDINATES: (US Feet)
 ZONE: KS SOUTH
 X: 2068727
 Y: 150148

Date of Drawing: Jul. 06, 2015
 Invoice # 247171 Date Staked: Jul. 02, 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.