

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

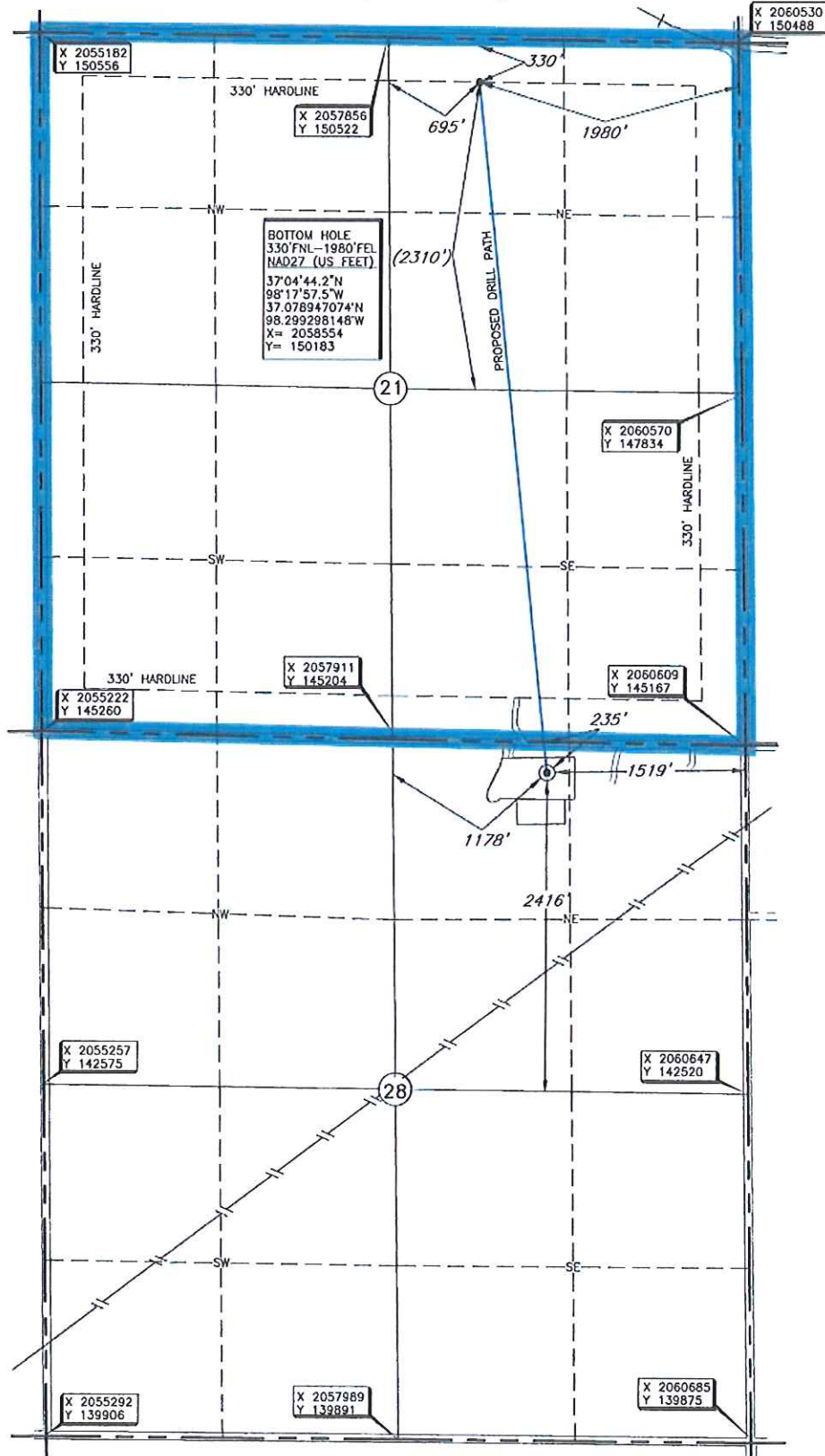
HARPER

County, Kansas

235' FNL-1519' FEL Section 28 Township 34S Range 9W P.M.



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



Operator: TAPSTONE ENERGY
 Lease Name: LEANN 21-34-9
 Topography & Vegetation Location fell on an existing pod ±95' North of existing well.
 Well No.: 1H
 ELEVATION: 1270' Gr. at level pod

Good Drill Site? Yes
 Best Accessibility to Location From North of county road.
 Distance & Direction From Hwy Jet or Town
 From State Hwy. 58 at State Line. 90 North ±4.5 miles to the NE corner of Section 28-34S-9W

Reference Stakes or Alternate Location Stakes Set None

DATUM: NAD-27
 LAT: 37°03'52.5" N
 LONG: 98°17'51.0" W
 LAT: 37.064578252° N
 LONG: 98.297490864° W
 STATE PLANE COORDINATES (US FEET):
 ZONE: KS SOUTH
 X: 2059093
 Y: 144952

Date of Drawing: Sept. 2, 2014
 Invoice # 229604 Date Staked: Aug. 27, 2014 JGW

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.

