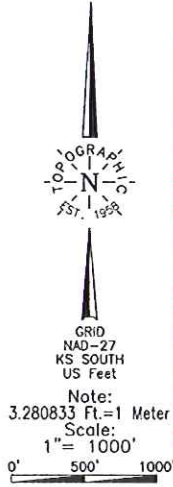


HARPER

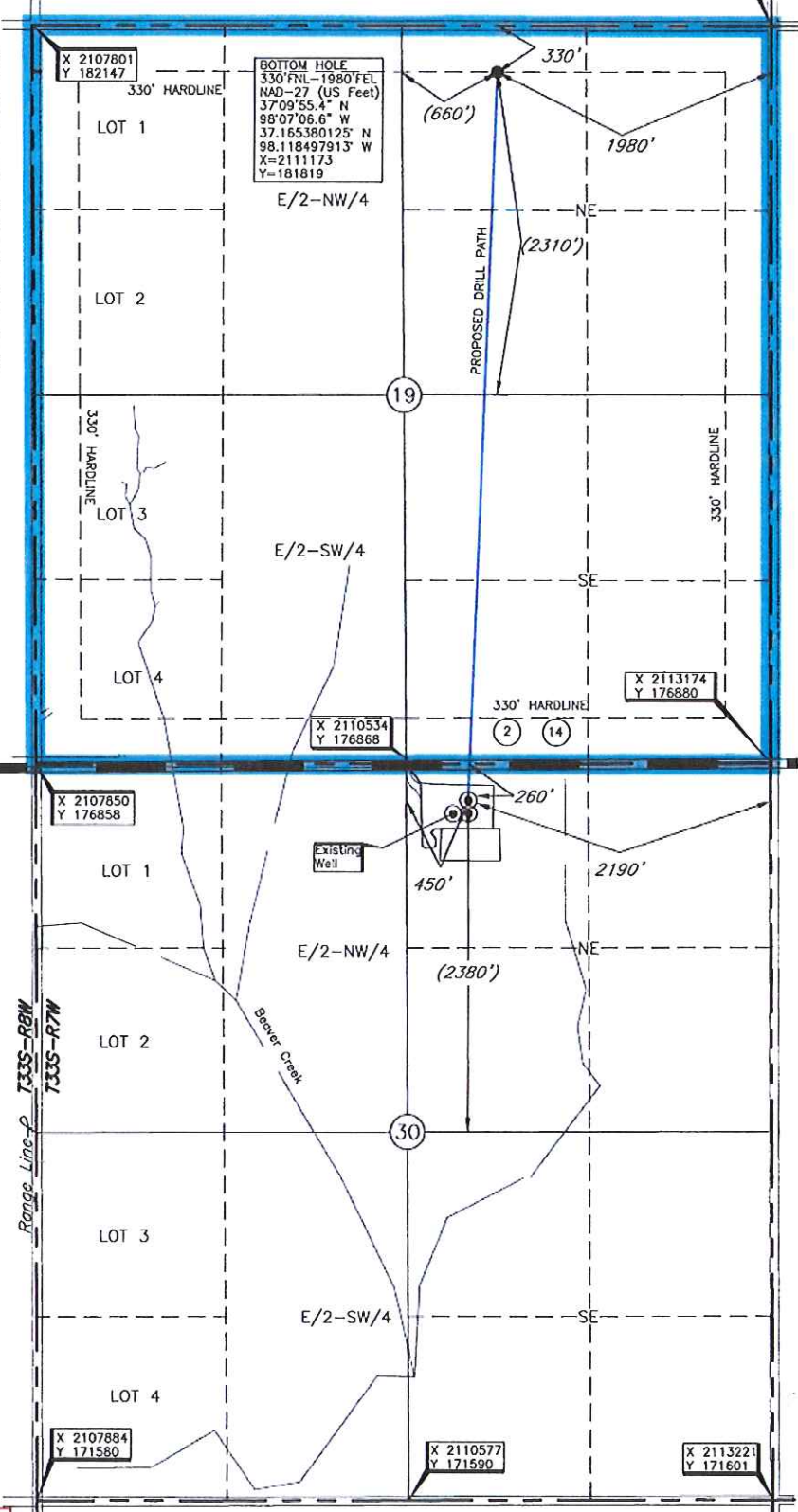
County, Kansas

260'FNL - 2190'FEL Section 30 Township 33S Range 7W P.M.

X 2113152
Y 182149



Distances shown in (parenthesis) are calculated based upon the Quarter Section being 2640 feet; those shown in [brackets] are based on GLO (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: ROGER 19-33-7
 Topography & Vegetation Location fell on level pod, 89' North of wellhead

Well No.: 2H
ELEVATION:
 1386' Gr. at Level Pod

Good Drill Site? YES NO
 Reference Stakes or Alternate Location
 Stakes Set YES NO
 None

Best Accessibility to Location From North on lease road
 Distance & Direction From Hwy Jct or Town From Anthony, KS, go west on State Highway 14 for ± 5.5 miles to the NW Corner of Section 30, T33S - R7W

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°09'03.9"N
 LONG: 98°07'09.2"W
 LAT: 37.151076304°N
 LONG: 98.119214266°W
 STATE PLANE
 COORDINATES: (US Feet)
 ZONE: KS SOUTH
 X: 2110986
 Y: 176610

Invoice # 230464 Date Staked: Sep. 14, 2014 DP

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

