

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

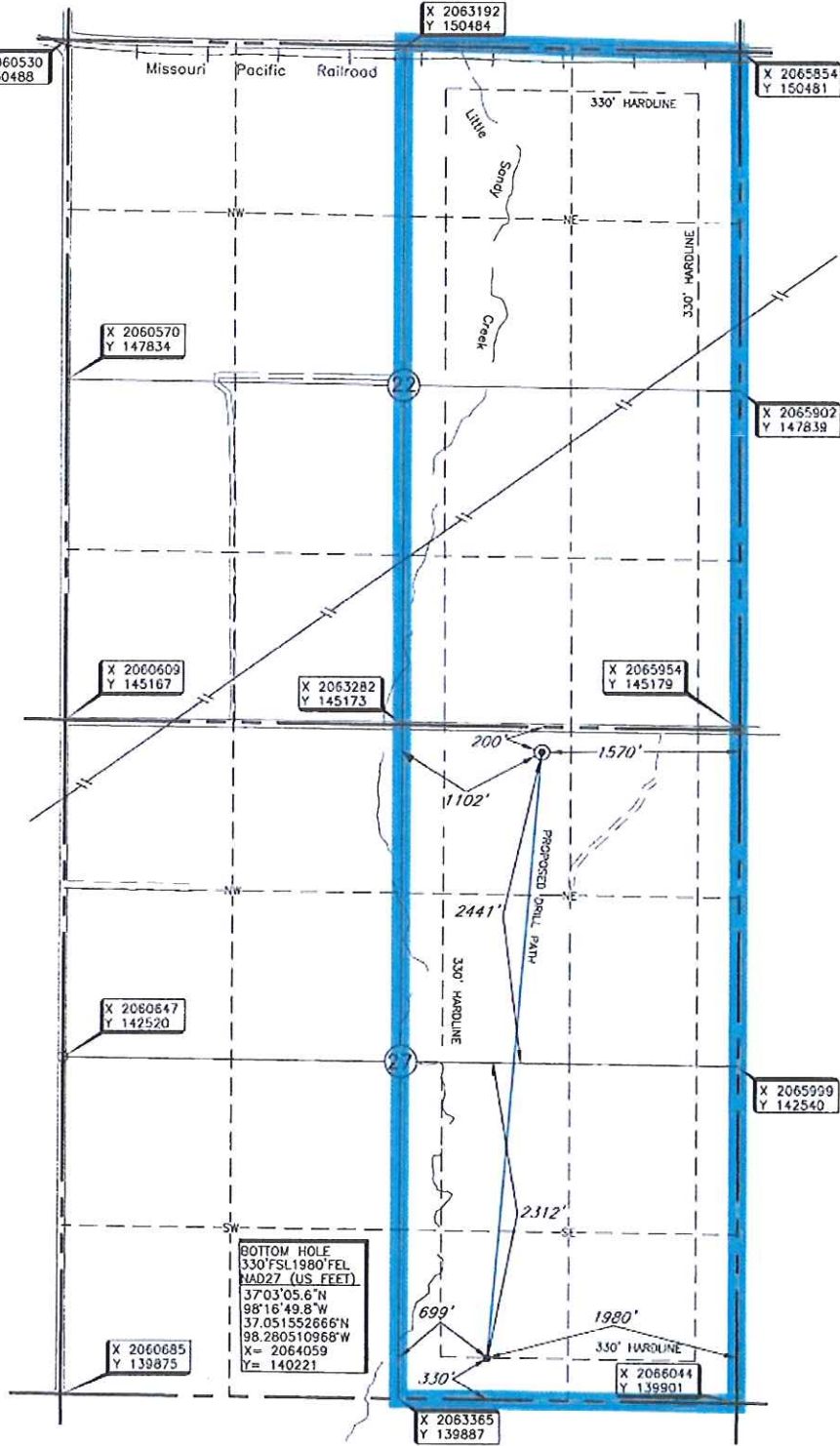
HARPER

County, Kansas

200'FNL-1570'FEL Section 27 Township 34S Range 9W P.M.



Distances shown in (parentheses) are calculated based on the boundary survey of the 200' FNL and 1570' FEL. Distances are based on the 200' FNL and 1570' FEL. Distances are based on the 200' FNL and 1570' FEL. Distances are based on the 200' FNL and 1570' FEL.



Operator: TAPSTONE ENERGY
 Lease Name: ROBERTS 27-34-9
 Topography & Vegetation: Location fell in level pasture ±230' West of fence N-S & 210' East of low drainage area.
 Good Drill Site? Yes
 Best Accessibility to Location: From North off county road.
 Distance & Direction from Hwy Jct or Town: From Road 295 at State Line, go North ±4.5 miles, then ±1 mile East to the NE corner of Section 27, T34S-R9W.
 Reference Stakes or Alternate Location: Stakes Set
 Well No.: 1H
 ELEVATION: 1270' Gr. at stake

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

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

DATUM: NAD-27
 LAT: 37°03'52.6"N
 LONG: 98°16'45.6"W
 STATE PLANE COORDINATES (US FEET):
 ZONE: KS SOUTH
 X: 2064387
 Y: 144975

Revision A Date of Drawing: Sep. 26, 2014
 Invoice # 230410A Date Staked: Sep. 25, 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.



Information was gathered with a GPS receiver with ±1 foot Horiz./Vert. accuracy.