

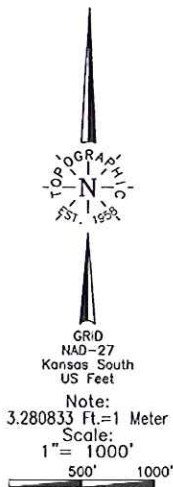
TOPOGRAPHIC LAND SURVEYORS

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

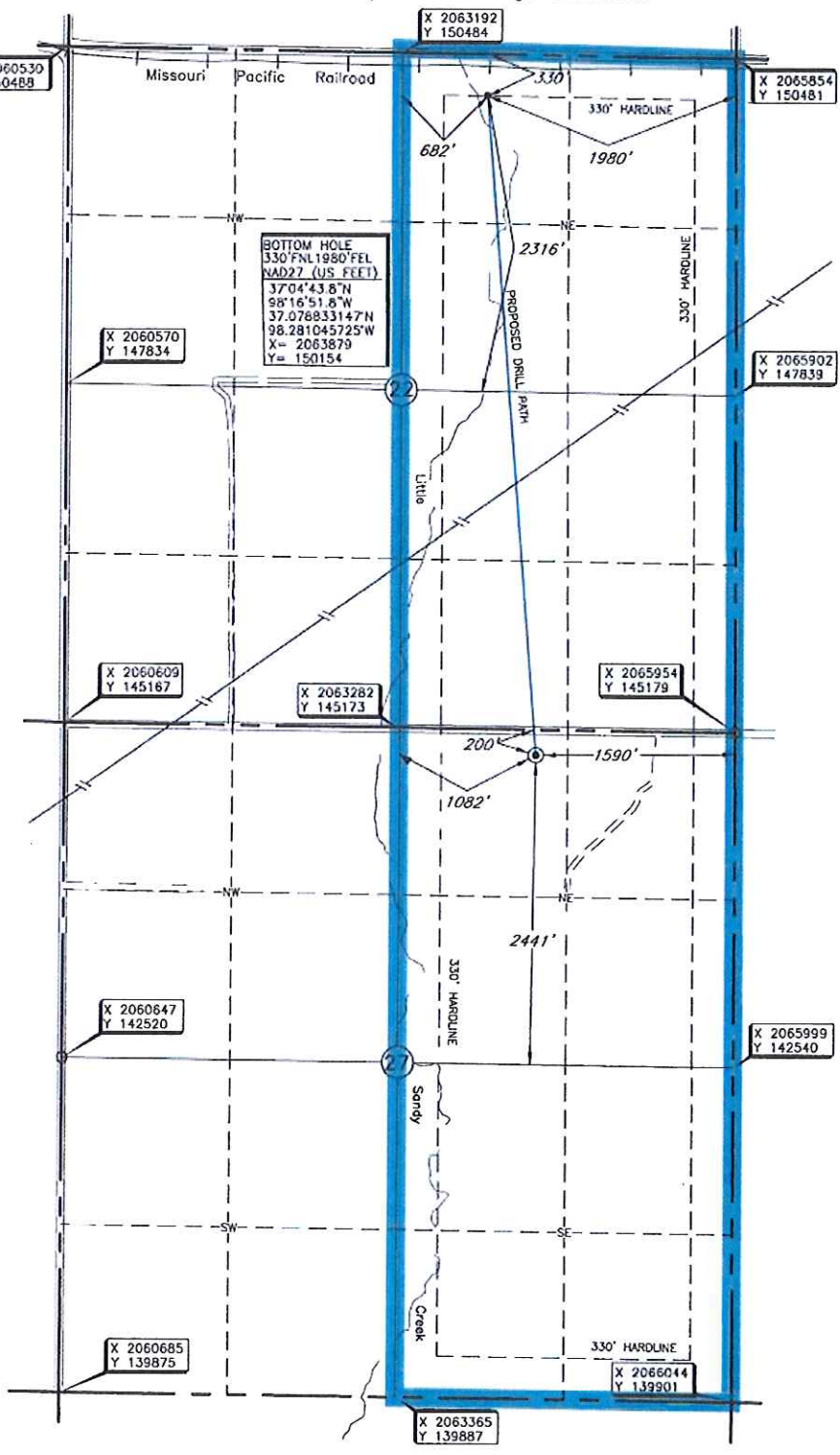
HARPER

County, Kansas

200'FNL-1590'FEL Section 27 Township 34S Range 9W P.M.



Distances shown in (parentheses) are calculated based upon the Quarter Section center. Distances shown in [brackets] are based on GLO (General Land Office) distances and have NOT been measured on the ground.



Operator: TARSTONE ENERGY
 Lease Name: ROBERTS 22-34-9
 Well No.: 1H
 ELEVATION: 1269' Gr. at stake

Topography & Vegetation Location fell in level pasture ±230' West of fence N-S & 210' East of low drainage area NW-SE.

Good Drill Site? Yes
 Best Accessibility to Location From North of county road.
 Distance & Direction 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 None

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

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°03'52.6" N
 LONG: 98°16'45.9" W
 LAT: 37.064607582°N
 LONG: 98.279414772°W
 STATE PLANE COORDINATES (US FEET):
 ZONE: KS SOUTH
 X: 2064367
 Y: 144975

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

