

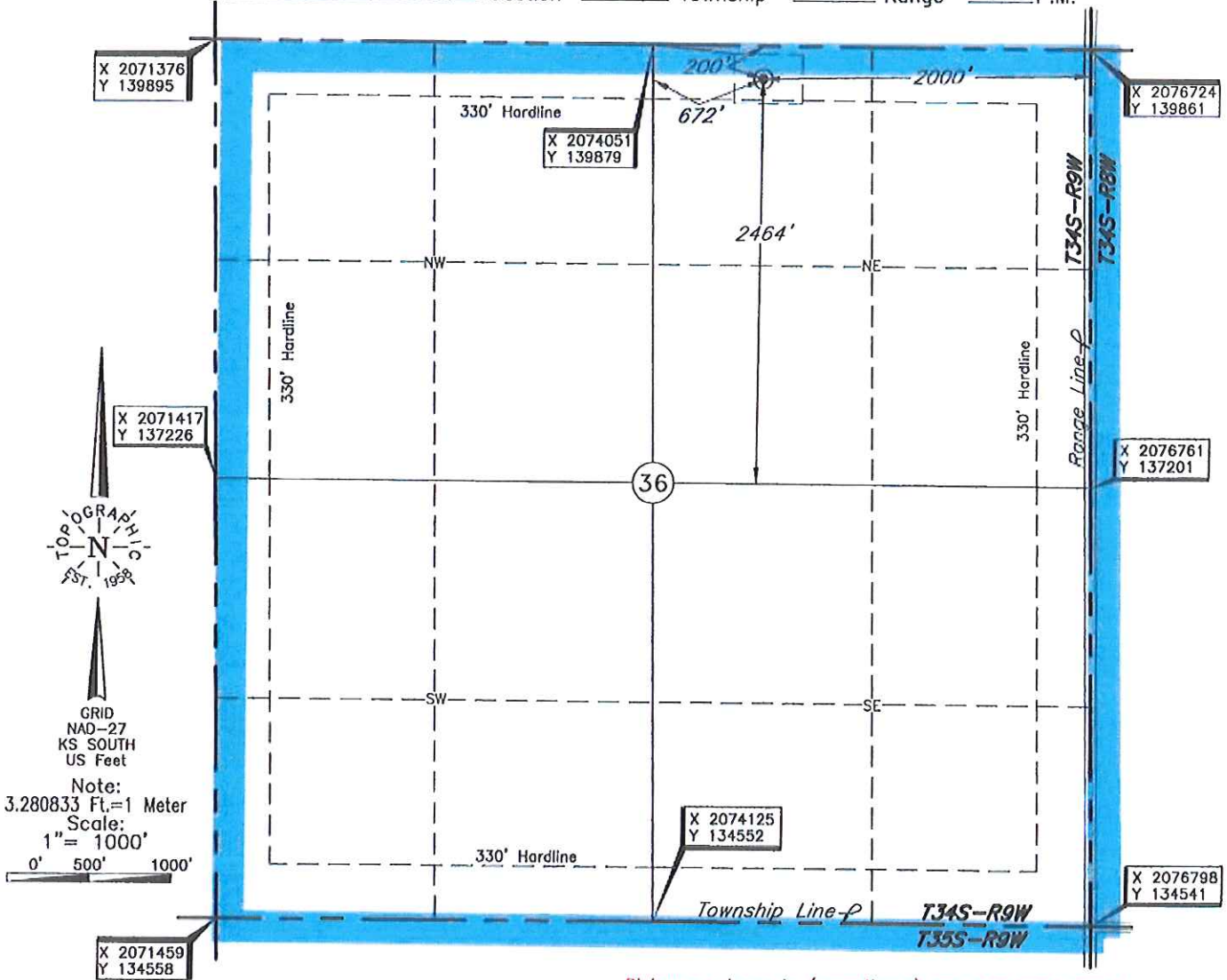
TOPOGRAPHIC LAND SURVEYORS

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-2000'FEL Section 36 Township 34S Range 9W P.M.



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

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.

Operator: TAPSTONE ENERGY

Lease Name: RALPH 36-34-9

Well No.: SWD

ELEVATION:
1272' Gr. at Stake

Topography & Vegetation Loc. fell in pasture on small sandy hill

Good Drill Site? Yes

Reference Stakes or Alternate Location
Stakes Set None

Best Accessibility to Location East off of county road

Distance & Direction
from Hwy Jct or Town From Waldron, KS, go ±4.5 miles North, then ±3 miles West then ±1.0 miles South to the NE corner of Sec. 36-T34S-R9W

DATUM: NAD-27
 LAT: 37°02'59.9"N
 LONG: 98°14'38.3"W
 LAT: 37.049977742°N
 LONG: 98.243964363°W
 STATE PLANE
 COORDINATES: (US Feet)
 ZONE: KS SOUTH
 X: 2074727
 Y: 139675

Revision A Date of Drawing: Oct. 13, 2014
 Invoice # 231498B Date Staked: Oct. 9, 2014

DP

CERTIFICATE:

I, T. Wayne Fisch 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.