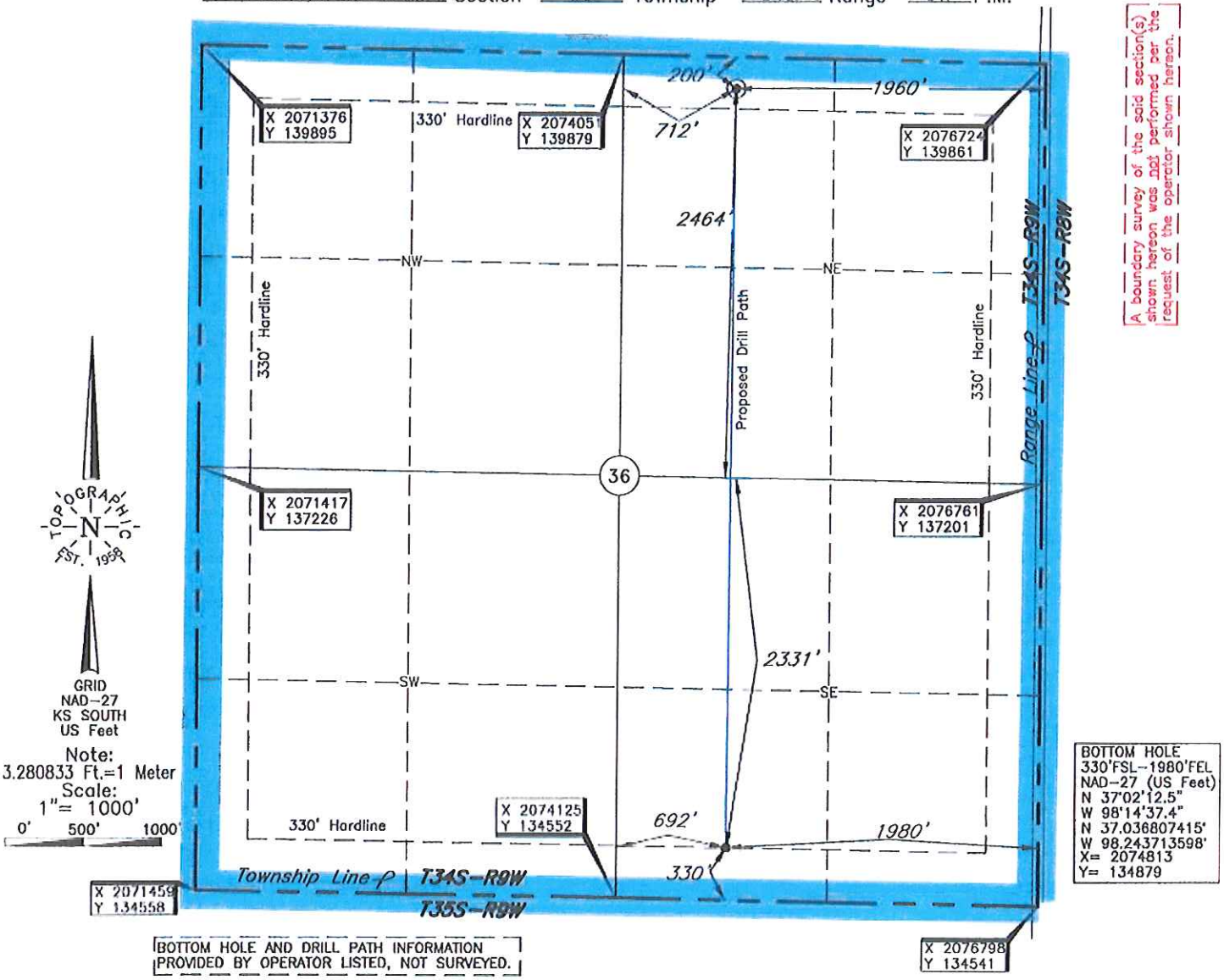
TOPOGRAPHIC LAND SURVEYORS

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-1960'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.

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

Operator: TAPSTONE ENERGY

Lease Name: RALPH 36-34-9 Well No.: 2H

ELEVATION: 1274' Gr. at Stake

Topography & Vegetation Loc. fell in pasture on a 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. 25-T34S-R9W

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

DATUM: NAD-27
LAT: 37°02'59.9"N
LONG: 98°14'37.8"W
LAT: 37.049976606°N
LONG: 98.243827323°W
STATE PLANE COORDINATES: (US Feet)
ZONE: KS SOUTH
X: 2074767
Y: 139674

Revision [X] A Date of Drawing: Oct. 13, 2014

Invoice # 231498A Date Staked: Oct. 9, 2014

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

T. WAYNE FISCH LICENSED LS-1213 10-14-2014 KANSAS LAND SURVEYOR