

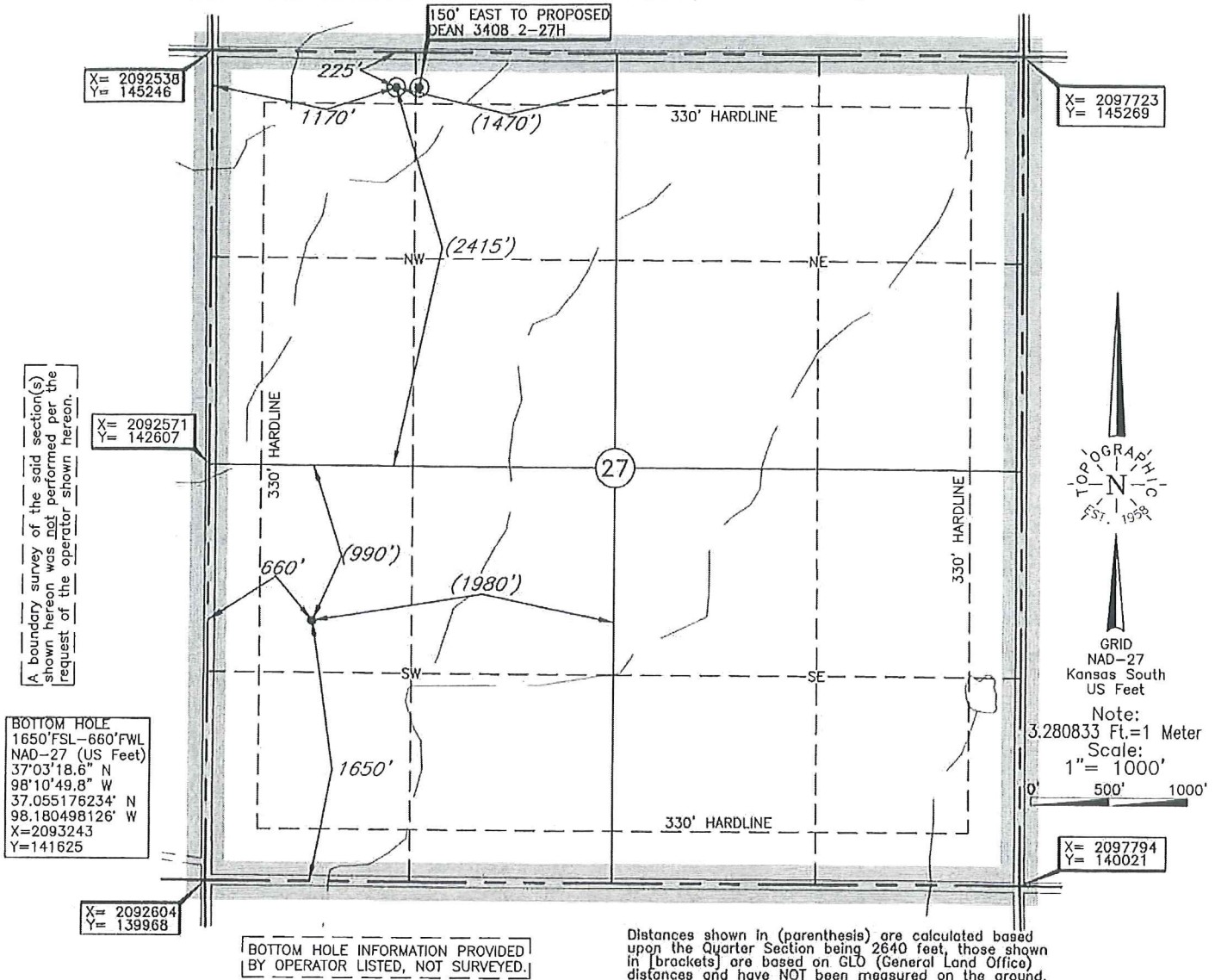
TOPOGRAPHIC LAND SURVEYORS

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

225'FNL - 1170'FWL Section 27 Township 34S Range 8W 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
 1650'FSL-660'FWL
 NAD-27 (US Feet)
 37°03'18.6" N
 98°10'49.8" W
 37.055176234' N
 98.180498126' W
 X=2093243
 Y=141625

X= 2092604
 Y= 139968

BOTTOM HOLE INFORMATION PROVIDED BY OPERATOR LISTED, NOT SURVEYED.

X= 2097723
 Y= 145269

X= 2097794
 Y= 140021

GRID NAD-27
 Kansas South US Feet
 Note:
 3.280833 Ft.=1 Meter
 Scale:
 1"= 1000'
 0' 500' 1000'

Operator: SANDRIDGE EXPLORATION & PRODUCTION, LLC

Lease Name: DEAN 3408

Well No.: 1-27H

ELEVATION:
 1293' Gr. at Stake

Topography & Vegetation Loc. fell in terraced cotton field, SE corner of pad will fall ±50' NW of NE-SW drain

Good Drill Site? Yes Reference Stakes or Alternate Location Stakes Set None

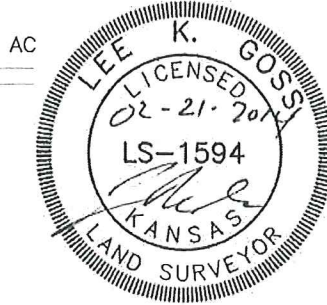
Best Accessibility to Location From North off county road

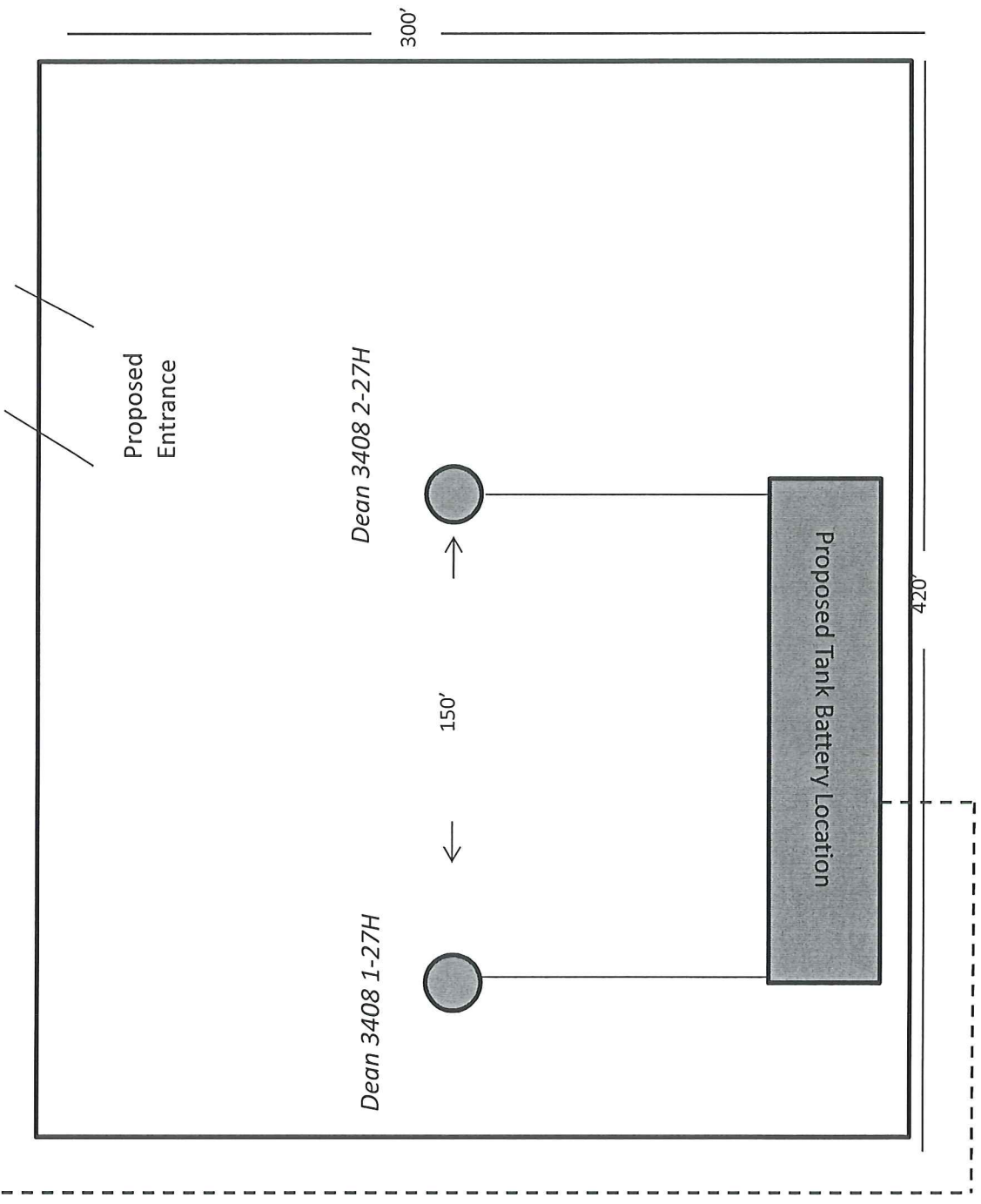
Distance & Direction from Hwy Jct or Town From Waldron, OK, go ±4.5 mi. North to the NW Cor. of Sec. 27-T34S-R8W

This information was gathered with a GPS receiver with ±1 foot Horiz./Vert. accuracy.
 DATUM: NAD-27
 LAT: 37°03'52.3"N
 LONG: 98°10'43.9" W
 LAT: 37.064515548' N
 LONG: 98.178856526' W
 STATE PLANE
 COORDINATES: (US Feet)
 ZONE: KS SOUTH
 X: 2093711
 Y: 145027

Date of Drawing: Feb. 21, 2014
 Invoice # 216859 Date Staked: Feb. 19, 2014

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





Proposed Electric Line