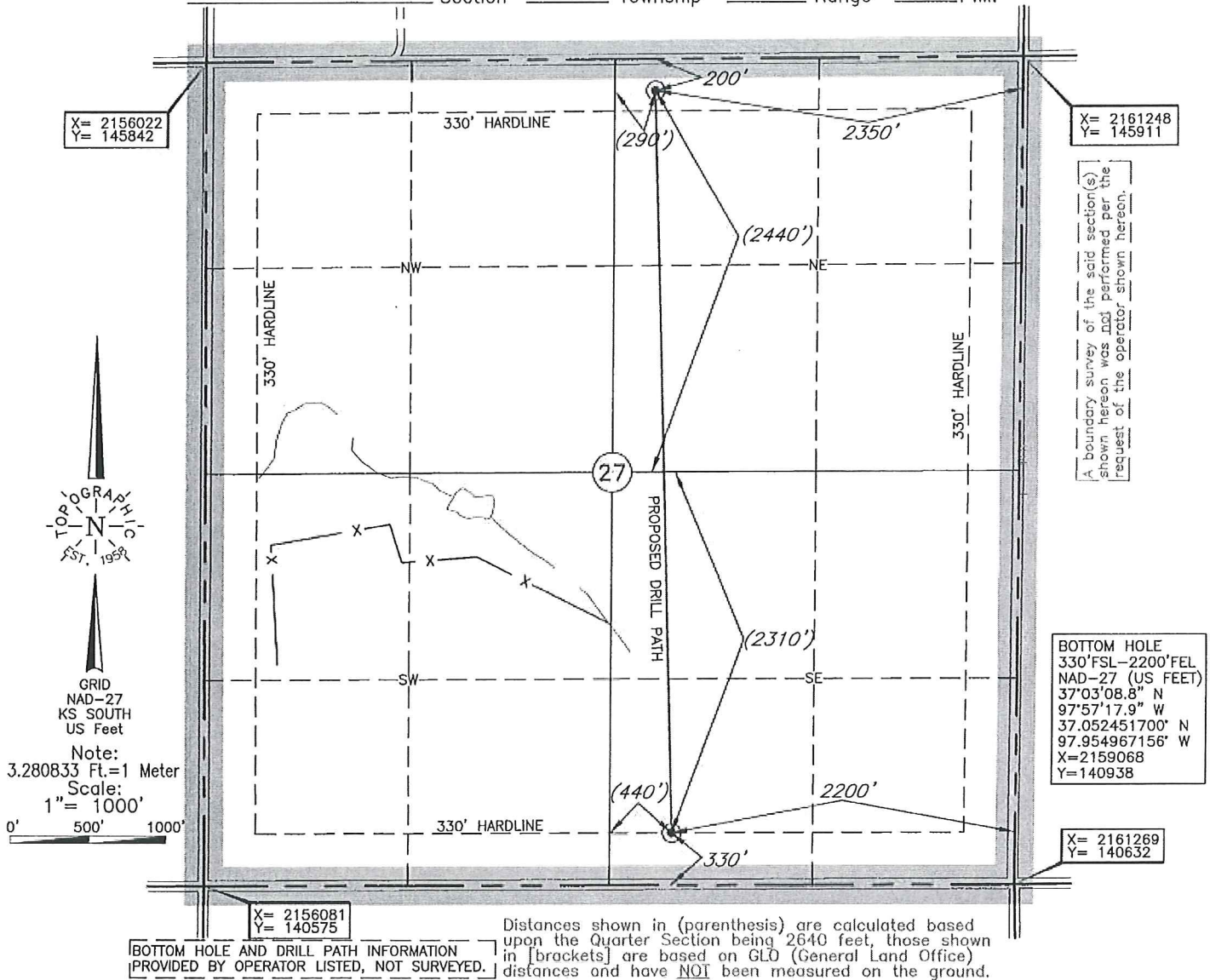


TOPOGRAPHIC LAND SURVEYORS

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 - 2350'FEL Section 27 Township 34S Range 6W P.M.



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

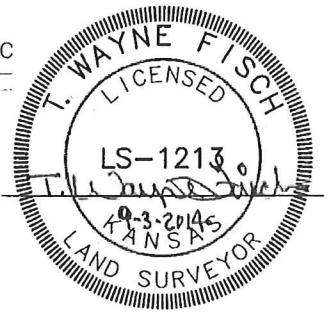
Distances shown in (parenthesis) are calculated based upon the Quarter Section being 2640 feet, those shown in [brackets] are based on GLD (General Land Office) distances and have NOI been measured on the ground.

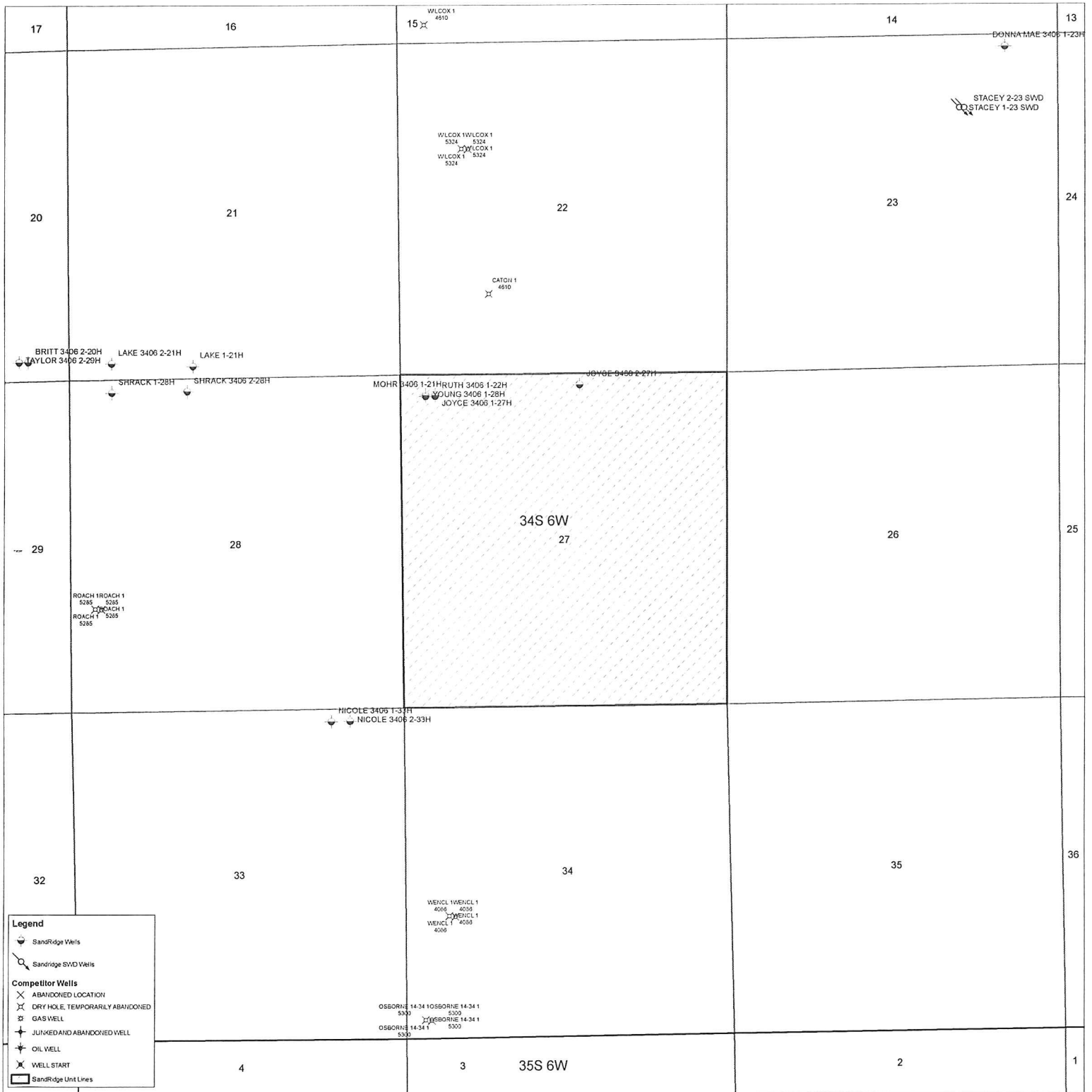
Operator: SANDRIDGE EXPLORATION & PRODUCTION, LLC
 Lease Name: JOYCE 3406 Well No.: 2-27H **ELEVATION:** 1331' Gr. at Stake
 Topography & Vegetation Loc. fell in terraced plowed field on hill
 Good Drill Site? Yes Reference Stakes or Alternate Location Stakes Set None
 Best Accessibility to Location From North off county road
 Distance & Direction From Hwy Jct or Town From Spring, KS, go ±5.0 mi. East, then ±1.0 mi. North to the NE Cor. of Sec. 27-T34S-R6W

This information was gathered with a GPS receiver with ±1 foot Horiz./Vert. accuracy.
 DATUM: NAD-27
 LAT: 37°03'55.7"N
 LONG: 97°57'19.6"W
 LAT: 37.065477069° N
 LONG: 97.955451279° W
 STATE PLANE COORDINATES: (US Feet)
 ZONE: KS SOUTH
 X: 2158899
 Y: 145679

Revision A Date of Drawing: Sep. 03, 2014
 Invoice # 229618 Date Staked: Aug. 25, 2014 AC

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





Joyce 3406 2-27H
Lease Information Sheet

Unit Description:

All of Section 27-34S-6W

Harper County

Surface Owner:

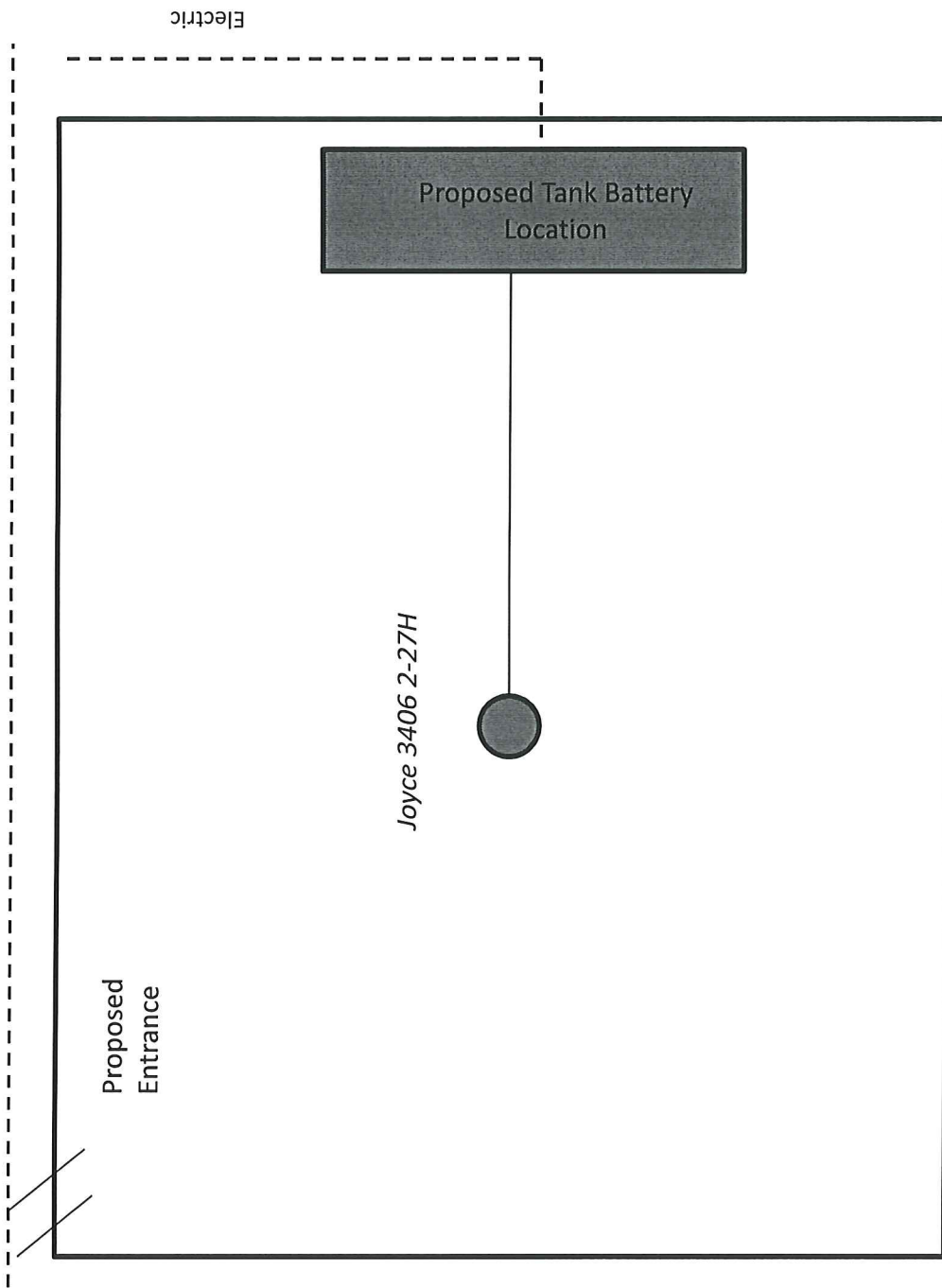
Wynona L Mandevill Trust No. 1

Wynona L. Mandevill and Tresa Moser, Trustees

3 Crown Circle

Anthony, KS 67003

Joyce 3406 2-27H



This plat is for proposed information only and may not represent the final drilling pad layout of wells, utilities or tank battery. Please refer to the Kansas Survey Plat for the actual location of wells.