

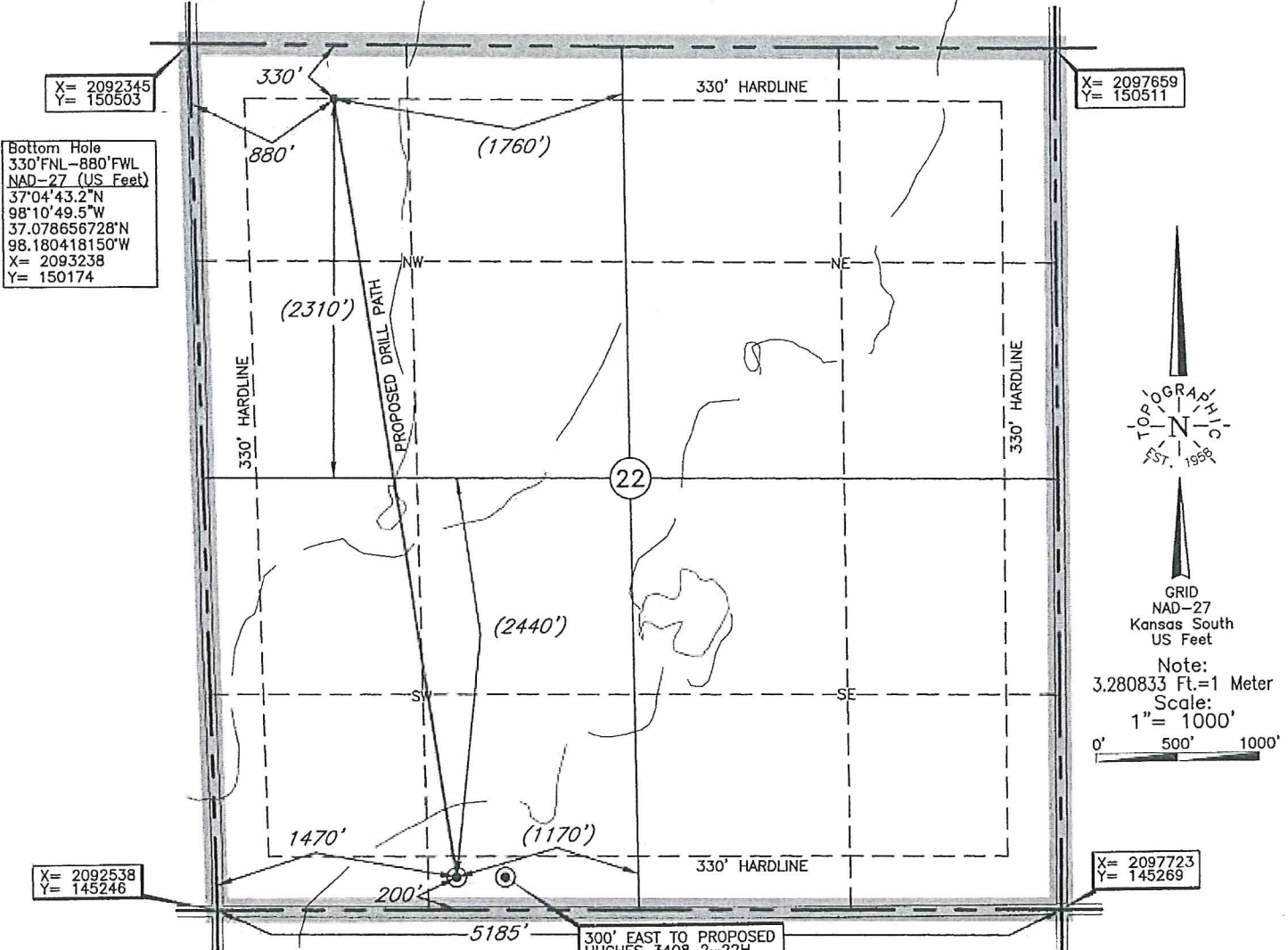
TOPOGRAPHIC LAND SURVEYORS

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'FSL-1470'FWL Section 22 Township 34S Range 8W P.M.



X= 2097659
Y= 150511

Bottom Hole
 330'FNL-880'FWL
 NAD-27 (US Feet)
 37°04'43.2"N
 98°10'49.5"W
 37.078656728°N
 98.180418150°W
 X= 2093238
 Y= 150174

TOPOGRAPHIC
 EST. 1958

GRID
 NAD-27
 Kansas South
 US Feet

Note:
 3.280833 Ft.=1 Meter
 Scale:
 1"= 1000'

0' 500' 1000'

X= 2097723
Y= 145269

300' EAST TO PROPOSED
 HUGHES 3408 2-22H

Bottom Hole and Drill Path information provided by operator listed, NOT Surveyed; distance

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 NOT been measured on the ground.

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

Operator: SANDRIDGE EXPLORATION & PRODUCTION, LLC

Lease Name: HUGHES 3408

Well No.: 1-22H

ELEVATION:
 1296' Gr. at Stake

Topography & Vegetation Loc. fell near top of hill in sloped maze field

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

Best Accessibility to Location Form South off county road

Distance & Direction from Hwy Jct or Town Form Waldron, KS., go ±4.0 mi North to the SW corner of Section 22-T34S-R8W

Date of Drawing: Jun. 23, 2014

Invoice # 225181 Date Staked: Jun. 19, 2014

JAL

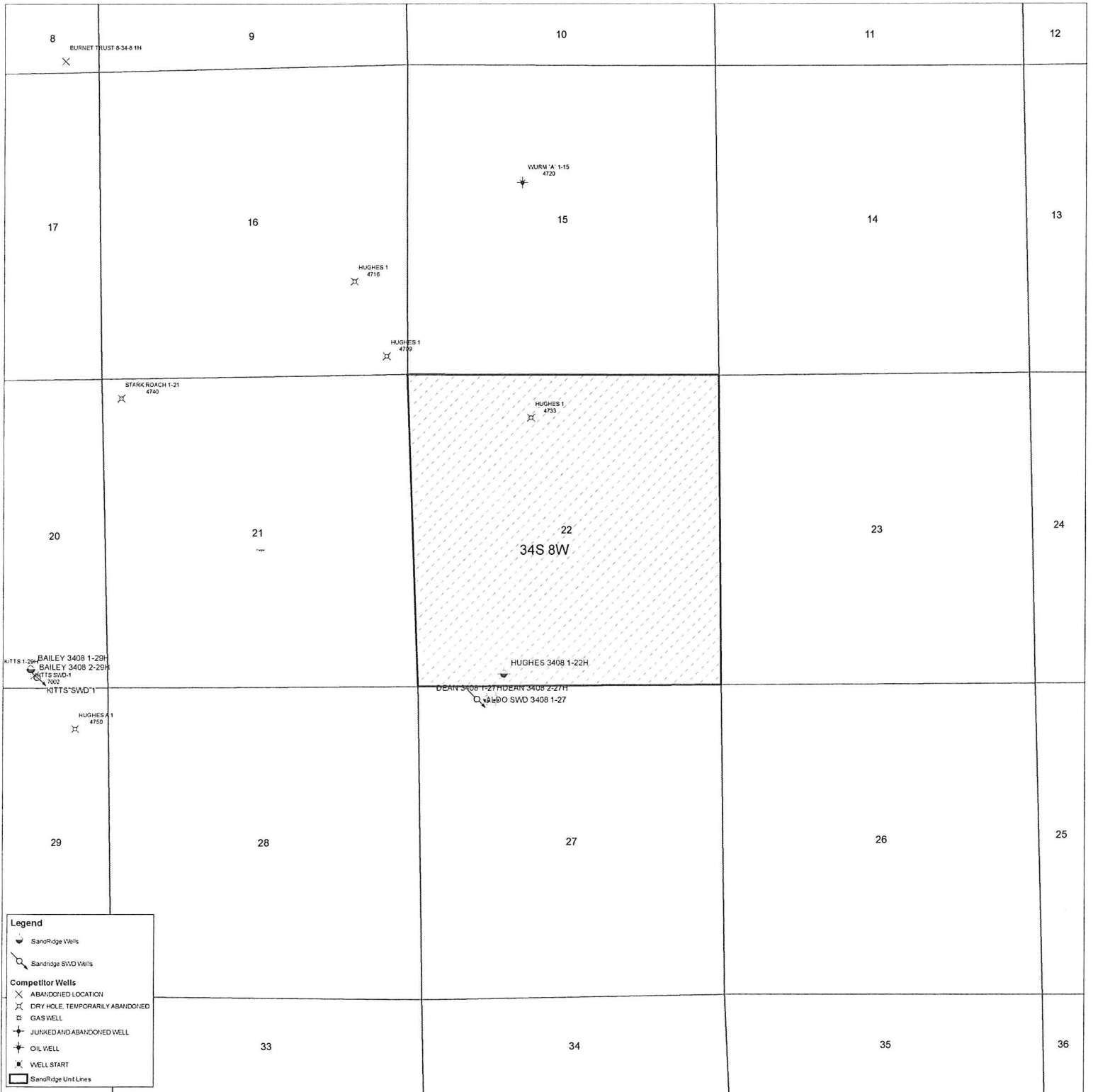
This information was gathered with a GPS receiver with ±1 foot Horiz./Vert. accuracy

DATUM: NAD-27
 LAT: 37°03'56.5"N
 LONG: 98°10'40.3"W
 LAT: 37.065684221°N
 LONG: 98.177855126°W
 STATE PLANE
 COORDINATES: (US Feet)
 ZONE: KS SOUTH
 X: 2094002
 Y: 145453

CERTIFICATE:

I, Lee K. Goss a Kansas Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors, do hereby certify that the above described well location was surveyed and staked on the ground as shown herein.





1:\Projects\34S\34S_8W\34S_8W.dwg

Hughes 3408 1-22H
Lease Information Sheet

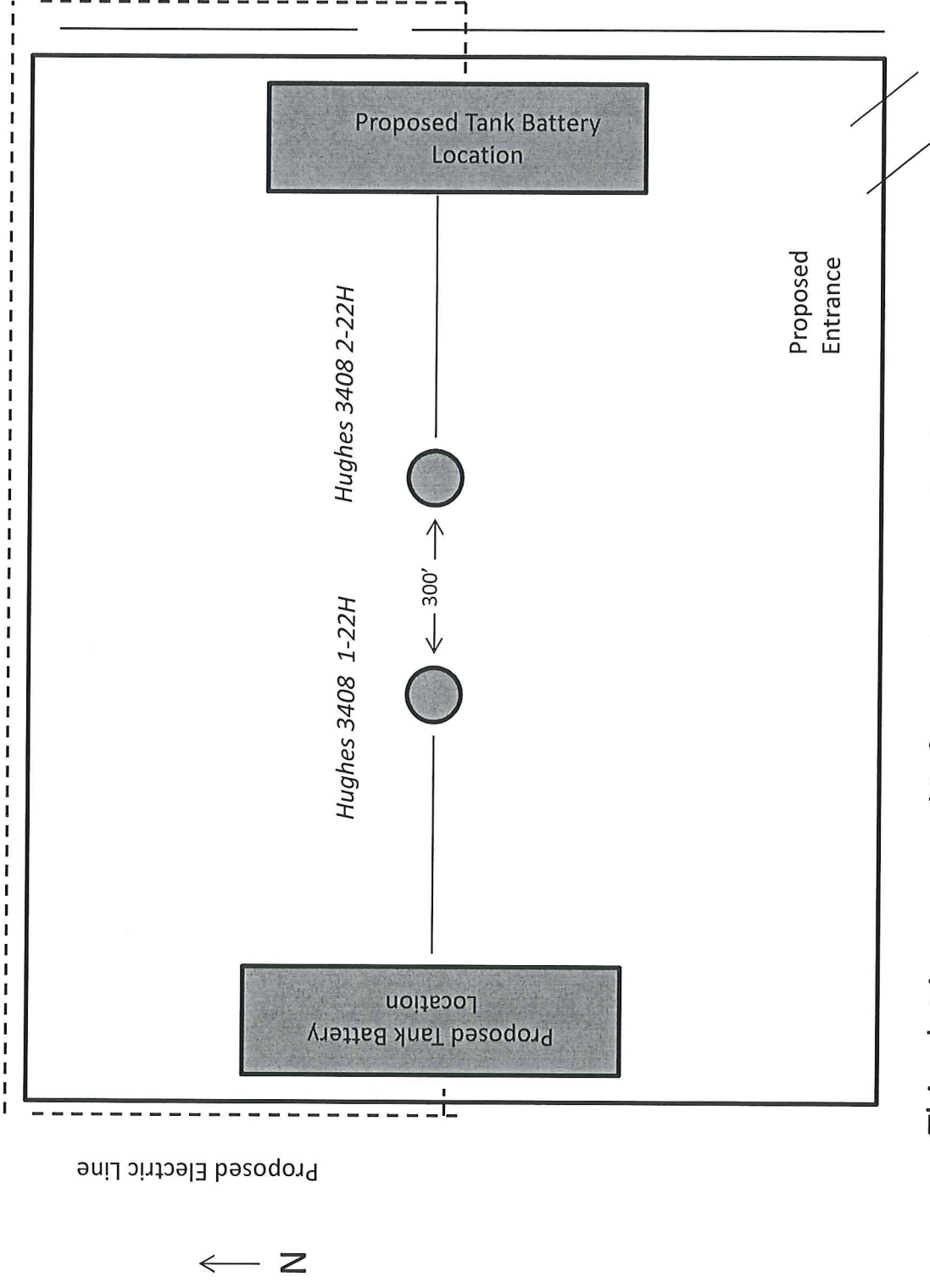
Unit Description:

All of Section 22, T34S - R08W
Harper County

Surface Owner:

Rush Creek, LLC
154 W Hwy 2
Anthony, KS 67003

Hughes 3408 1-22H & Hughes 3408 2-22H



This plat is proposed information. Final information could change. Always refer to Survey Plat for exact well location