

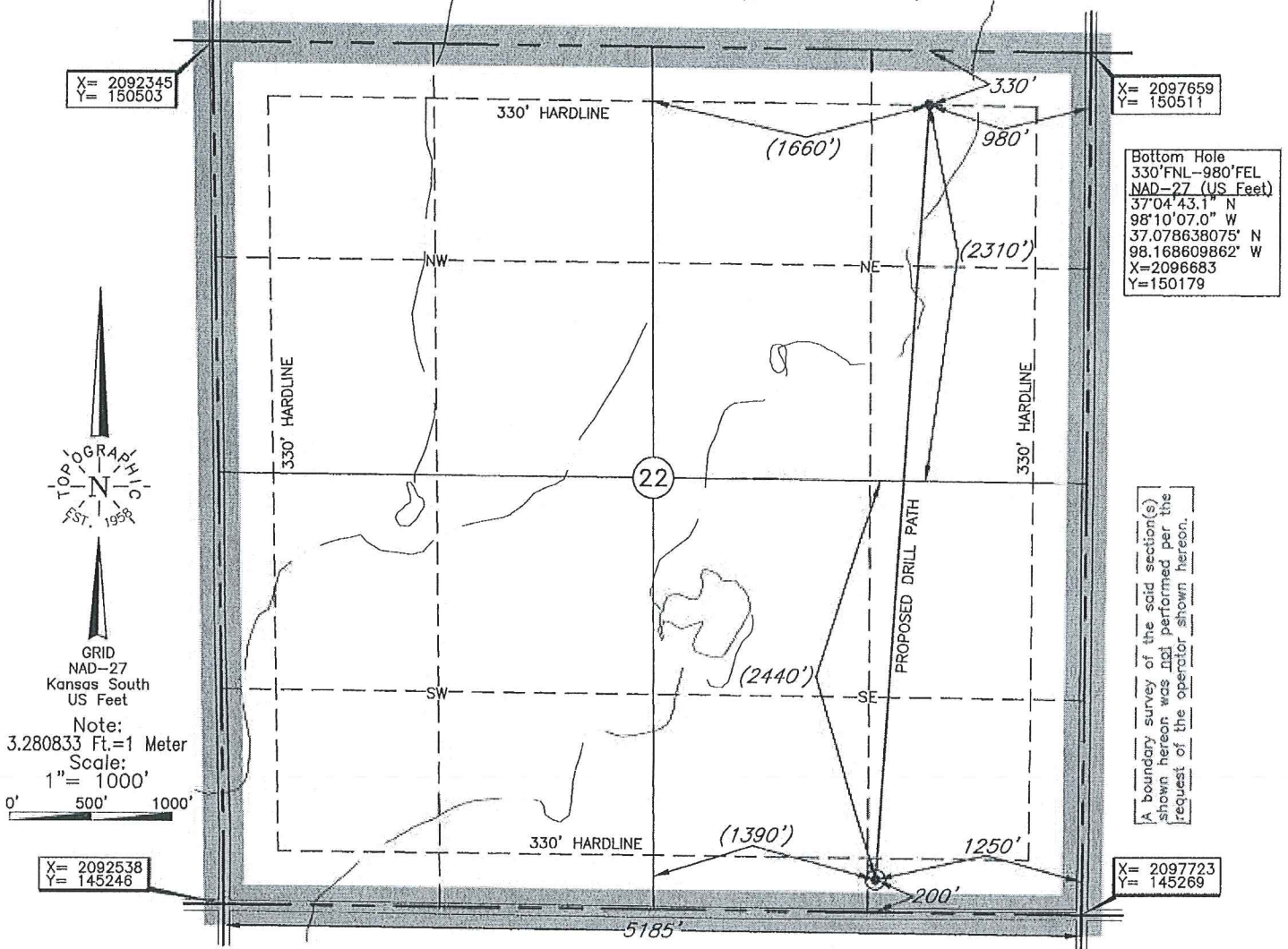
TOPOGRAPHIC LAND SURVEYORS

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 - 1250'FEL Section 22 Township 34S Range 8W P.M.



Bottom Hole
 330'FNL - 980'FEL
 NAD-27 (US Feet)
 37°04'43.1" N
 98°10'07.0" W
 37.078638075" N
 98.168609862" W
 X=2096683
 Y=150179

A boundary survey of the said section(s) shown hereon was performed per the request of the operator shown hereon.

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 GLO (General Land Office) distances and have **NOT** been measured on the ground.

Operator: SANDRIDGE EXPLORATION & PRODUCTION, LLC

Lease Name: HUGHES 3408

Well No.: 3-22H

ELEVATION:
 1315' Gr. at Stake

Topography & Vegetation Loc. fell in terraced sloped alfalfa field, ±160' North of right-of-way

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

Best Accessibility to Location From South off county road

Distance & Direction from Hwy Jct or Town From Waldron, KS, ±4.0 mi. North, then ±1.0 mi. East to the SE Cor. of Sec. 22-T34S-R8W

Date of Drawing: Oct. 23, 2014

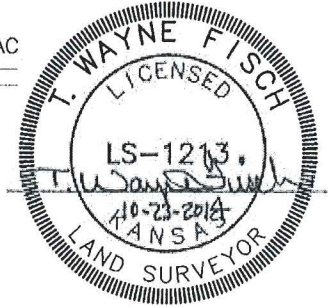
Invoice # 233094 Date Staked: Oct. 21, 2014

AC

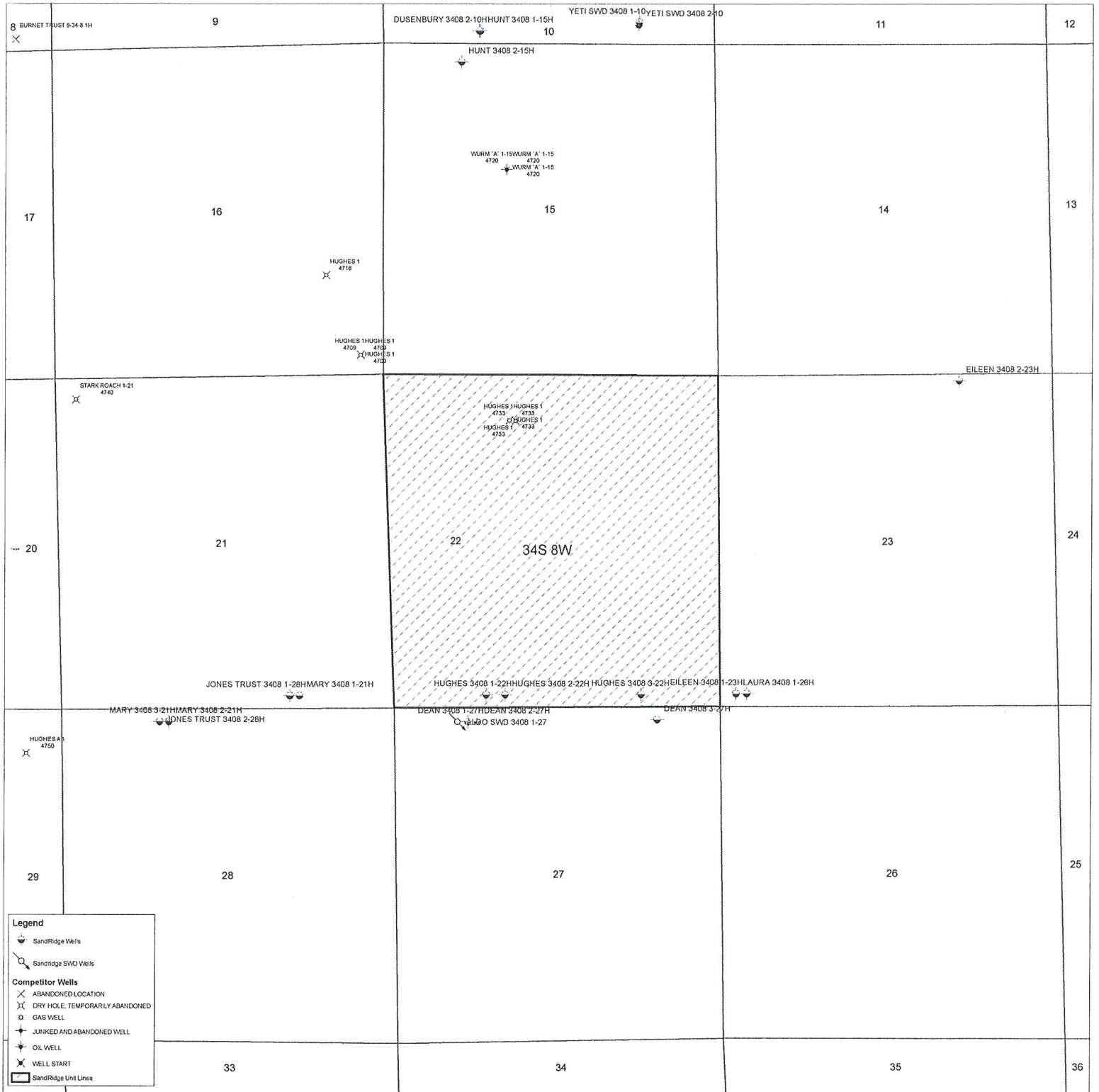
DATUM: NAD-27
 LAT: 37°03'56.5"N
 LONG: 98°10'09.8"W
 LAT: 37.065689528° N
 LONG: 98.169396240° W
 STATE PLANE
 COORDINATES: (US Feet)
 ZONE: KS SOUTH
 X: 2096470
 Y: 145464

CERTIFICATE:

I, T. Wayne Fisch 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.



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



8	BURNET TRUST 8-34-8 1H	9	DUSENBURY 3408 2-10H HUNT 3408 1-15H	10	YETI SWD 3408 1-10YETI SWD 3408 2-10	11	12
17	16	15	HUNT 3408 2-15H WURM A 1-15 WURM A 1-15 WURM A 1-15	14	13		
20	21	22	34S 8W	23	24	EILEEN 3408 2-23H	
29	28	27	26	25			
33	34	35	36				

Hughes 3408 3-22H
Lease Information Sheet

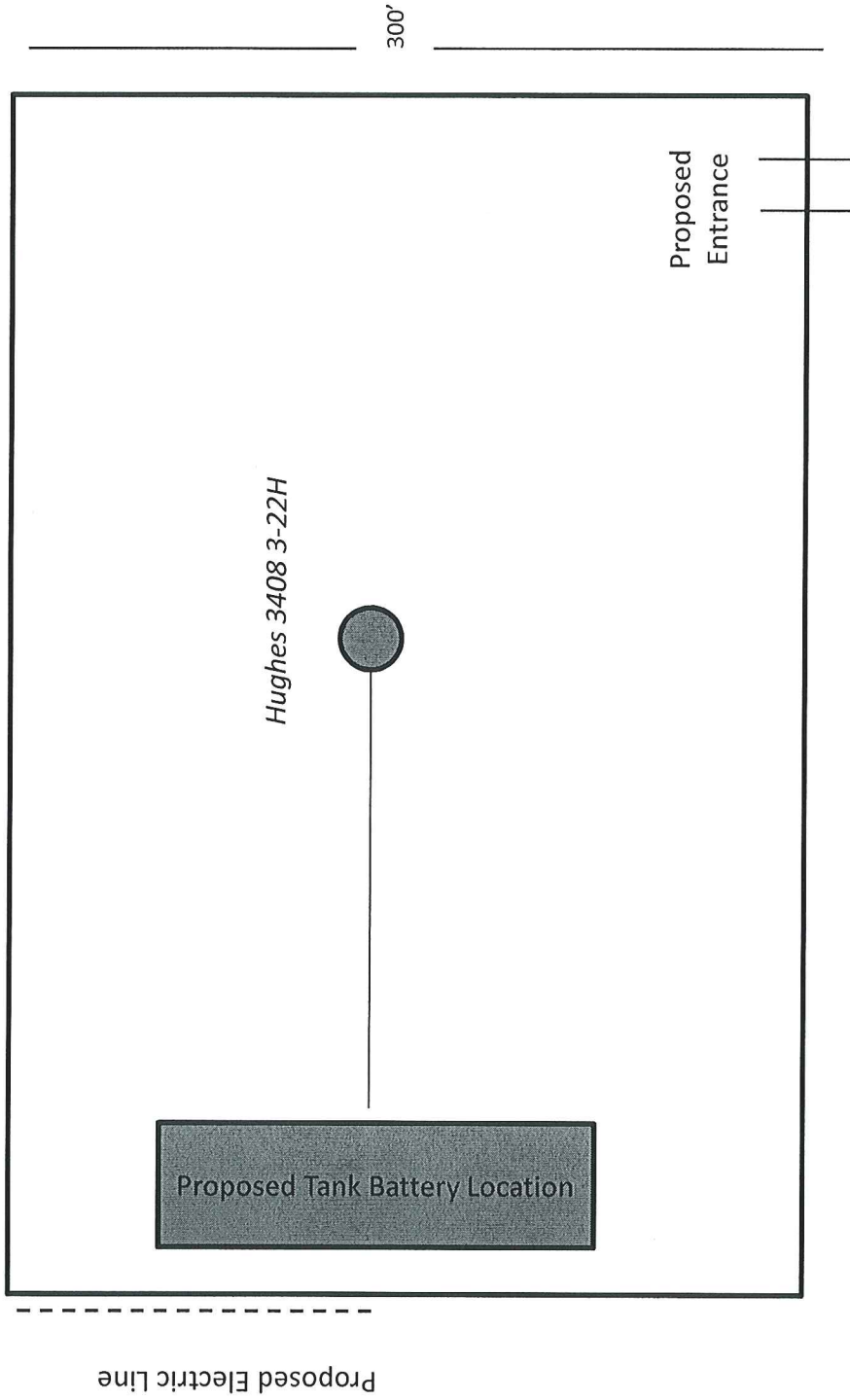
Unit Description:

All of Section 22-34S-8W
Harper County, KS

Surface Owner:

Hughes Ranch Corporation
1018 N Springfield
Anthony, KS 67003

Hughes 3408 3-22H



This plat is proposed information only and is not meant to designate final location of well or facilities. Please refer to the Kansas Survey Plat for well location.