

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-1145' FEL Section 36 Township 33S Range 5W P.M.

A boundary survey of the said section(s) shown hereon was ADA performed per the rules of the State of the Division shown hereon.



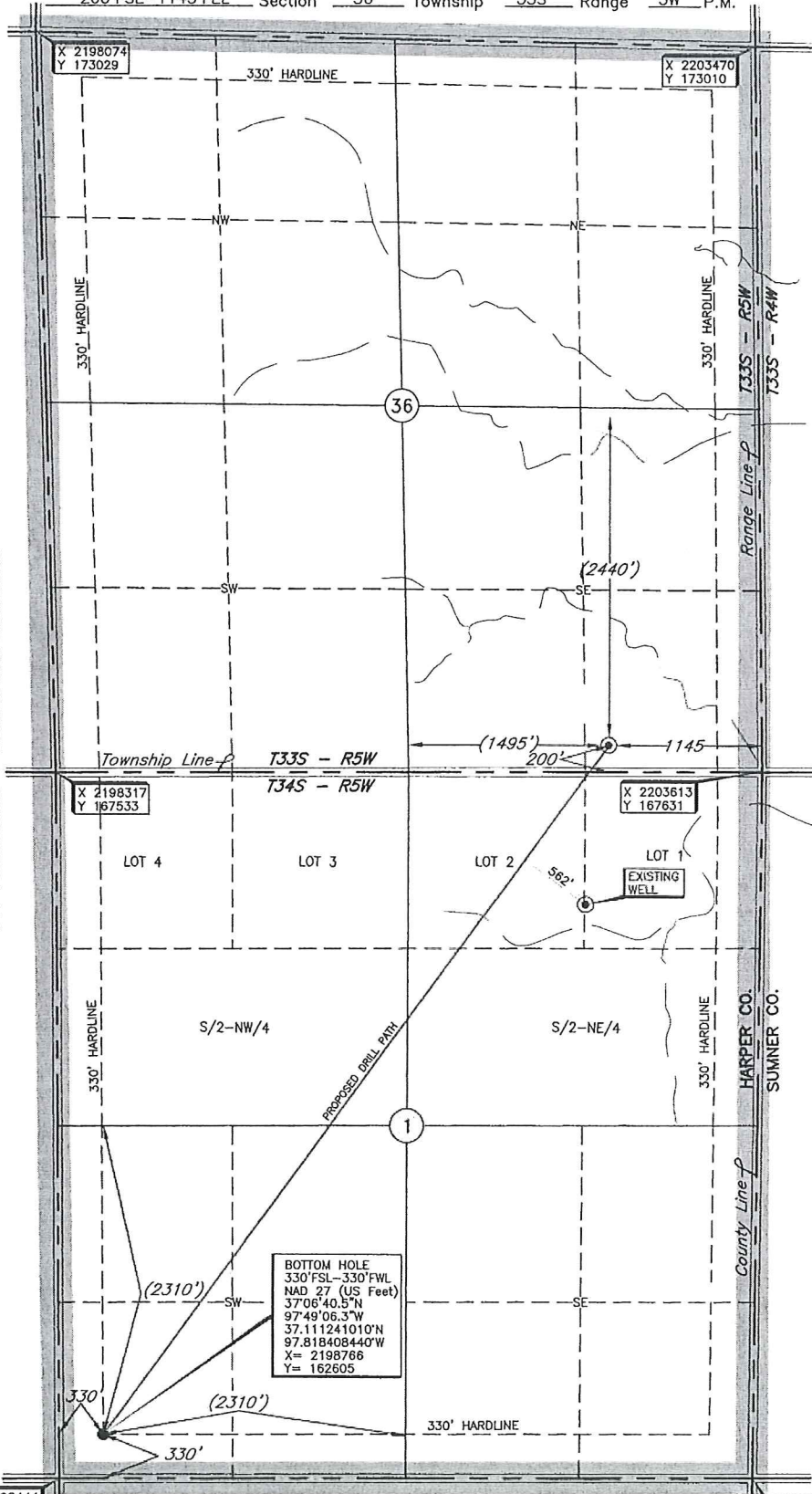
GRID
 NAD-27
 KANSAS SOUTH
 U.S. FEET
 3.280833 FT. = 1 METER
 0' = 500' 1000'
 SCALE:
 1" = 1000'

BOTTOMHOLE INFORMATION PROVIDED BY OPERATOR LISTED, NOT SURVEYED.

Distances shown in parentheses are calculated based upon the survey. Distances in brackets are based on old (General Land Office) distances and have NOT been measured on the ground.

Operator: SANDRIDGE EXPLORATION & PRODUCTION, LLC
 Lease Name: JOSEPH 3405
 Topography & Vegetation: Loc. fell in sloped plowed field
 Good Drill Site? Yes
 Best Accessibility to Location: From South off county road
 Distance & Direction: From Bluff City, KS, go ±3.2 miles North, then ±4 miles East to the SE Cor. of Sec. 36-133S-R5W
 Reference Stakes or Alternate Location: Stakes Set Name

Well No.: 2-1H
 ELEVATION: 1255' Gr. at Stake



BOTTOM HOLE
 330' FSL-330' FWL
 NAD 27 (US Feet)
 37°06'40.5"N
 97°49'06.3"W
 37,111,241.010'N
 97,818,408.440'W
 X= 2198766
 Y= 162605

X 2198444
 Y 162269

X 2203639
 Y 162368

Revision B Date of Drawing: Jun. 11, 2014
 Invoice # 222332 Date Staked: May 13, 2014 LC

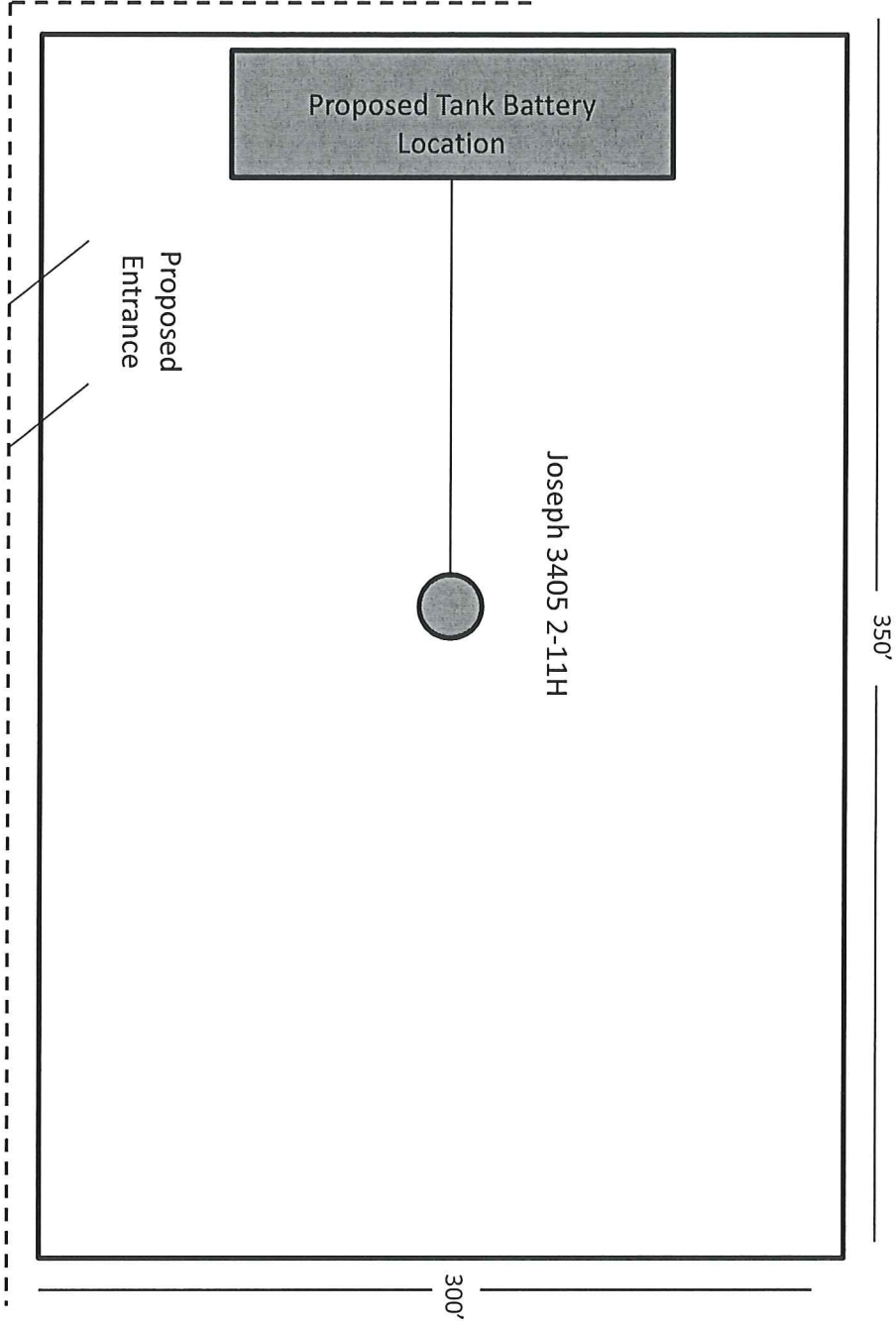
CERTIFICATE:

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



This information was gathered with a GPS receiver with ±1.0' accuracy.
 DATUM: NAD-27
 LAT: 37°07'31.7"N
 LONG: 97°48'20.2"W
 LAT: 37.125459226° N
 LONG: 97.805598739° W
 STATE PLANE
 COORDINATES: (US Feet)
 ZONE: KS SOUTH
 X: 2202463
 Y: 167810

Proposed Electric Line



Joseph 3405 2-1H

Harper County, KS

Unit Description:

All of 1-34S-5W

Surface Owner:

SandRidge Expl. and Prod., LLC

123 Robert S Kerr Ave

Oklahoma City, OK 73102

