

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

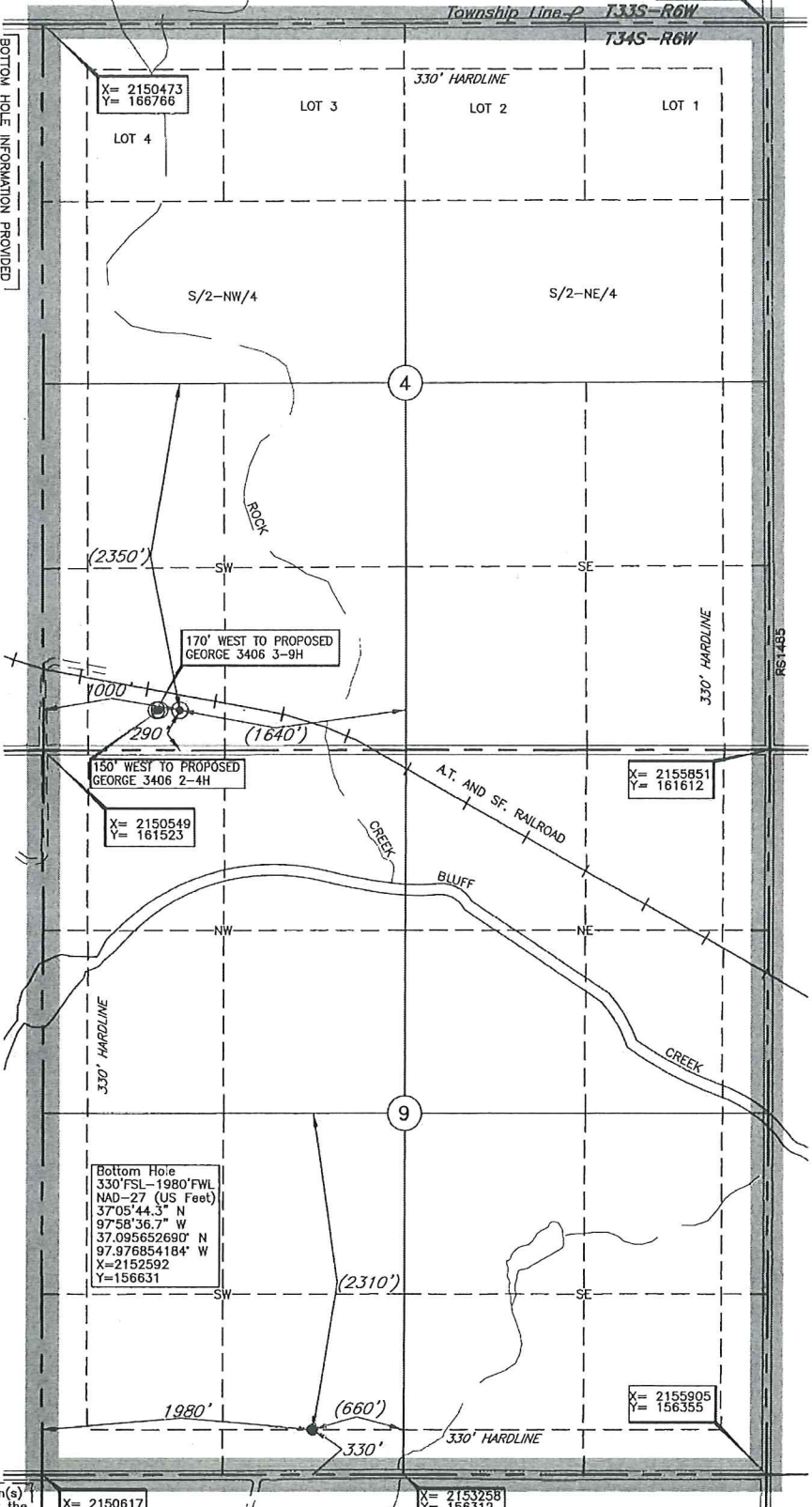
290'FSL-1000'FWL Section 4 Township 34S Range 6W P.M.

X= 2155768
Y= 166848



Distances shown in (parentheses) are calculated based upon the Quarter Section being 2840 feet; those shown in [brackets] are based on G.D. (General Land Office) distances and have NOT been measured on the ground.

BOTTOM HOLE INFORMATION PROVIDED BY OPERATOR LISTED, NOT SURVEYED.



Operator: SANDRIDGE EXPLORATION & PRODUCTION, LLC
 Lease Name: GEORGE 3406
 Topography & Vegetation Loc. fell in level wheat field, ±150' West of pad
 Well No.: 1-9H
 ELEVATION: 1251' Gr. at Stake
 Reference Stakes or Alternate Location Stakes Set None
 Good Drill Site? Yes
 Best Accessibility to Location From South of county road
 Distance & Direction from Hwy Jct or Town From Anthony, KS. go ±2.0 mi. South on St. Hwy. 179, then ±1.5 mi. East, then ±1.0 mi. South, then ±1.0 mi. East to the SW Cor. of Sec. 4-T34S-R6W

Bottom Hole
 330'FSL-1980'FWL
 NAD-27 (US Feet)
 37°05'44.3" N
 97°58'56.7" W
 37.095652690' N
 97.976854184' W
 X=2152592
 Y=156631

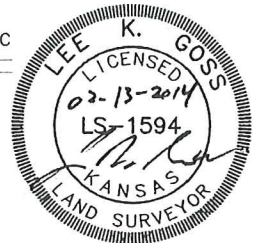
A boundary survey of the said section(s) shown hereon was not performed per the request of the operator shown hereon.

DATUM: NAD-27
 LAT: 37°06'35.8"N
 LONG: 97°58'49.2"W
 LAT: 37.109946505° N
 LONG: 97.9803444922° W
 STATE PLANE COORDINATES: (US Feet)
 ZONE: KS SOUTH
 X: 2151545
 Y: 161830

Invoice # 216421 Date Staked: Feb. 11, 2014 AC

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.



Feb. 12, 2014

X= 2153258
Y= 156312

X= 2150617
Y= 156268

X= 2155851
Y= 161612

X= 2155905
Y= 156355

X= 2150473
Y= 166766