

**TOPOGRAPHIC LAND SURVEYORS**

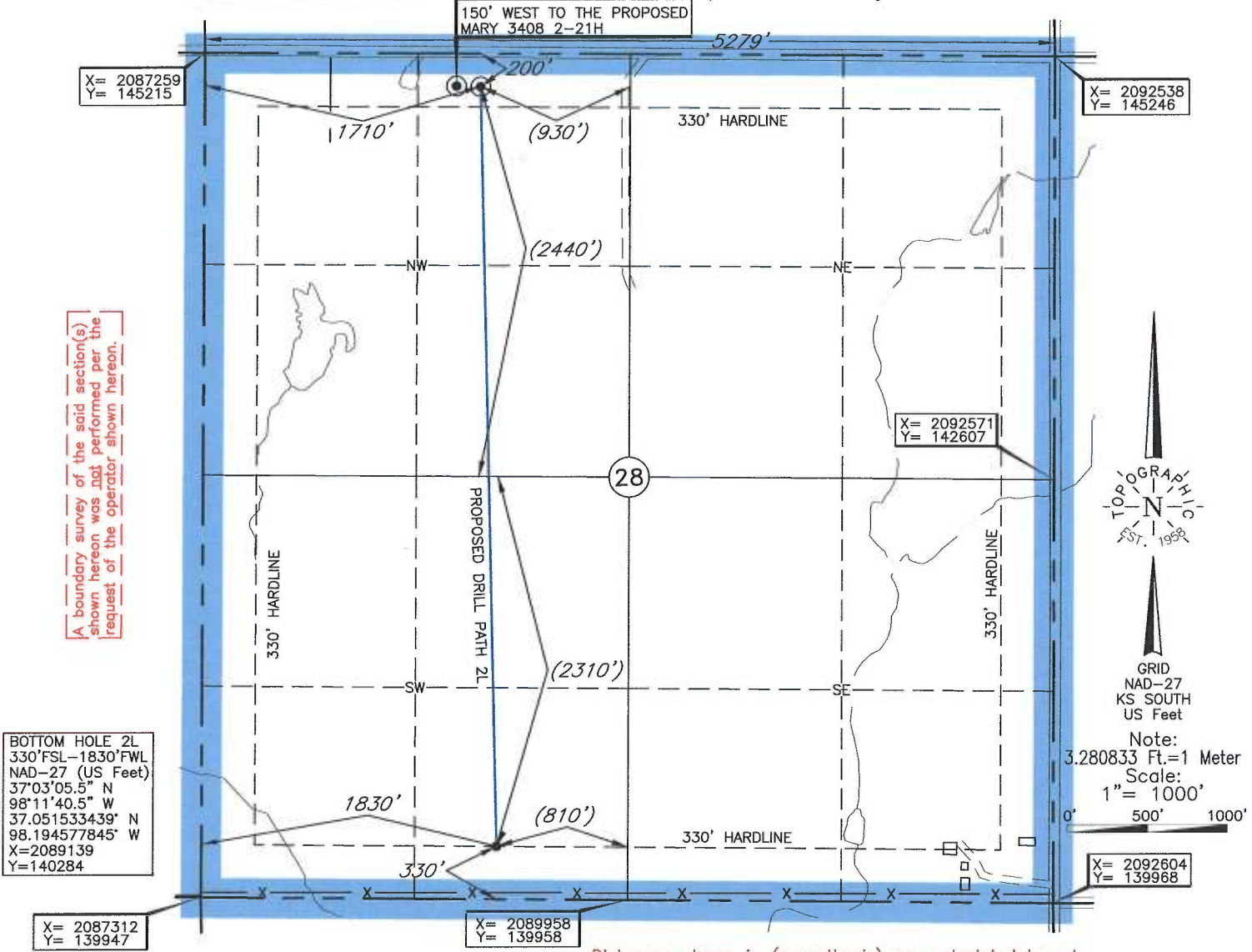
6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 \* LOCAL (405) 843-4847 \* OUT OF STATE (800) 654-3219  
 Certificate of Authorization No. LS-99, Exp. Dec. 31, 2015

HARPER

County, Kansas

200'FNL - 1710'FWL Section 28 Township 34S Range 8W P.M.

150' WEST TO THE PROPOSED MARY 3408 2-21H



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

BOTTOM HOLE 2L  
 330'FSL-1830'FWL  
 NAD-27 (US Feet)  
 37°03'05.5" N  
 98°11'40.5" W  
 37.051533439° N  
 98.194577845° W  
 X=2089139  
 Y=140284

X= 2087312  
 Y= 139947

X= 2089958  
 Y= 139958

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.

TOPOGRAPHIC  
 EST. 1958

GRID  
 NAD-27  
 KS SOUTH  
 US Feet

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

0' 500' 1000'

X= 2092604  
 Y= 139968

Operator: SANDRIDGE EXPLORATION & PRODUCTION, LLC

Lease Name: JONES TRUST 3408

Well No.: 2-28H 2L

**ELEVATION:**  
 1275' Gr. at Stake

Topography & Vegetation Loc. fell in sloped pasture

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 Waldron, KS, go ±4.0 mi. North, then ±1.0 mi. West to the NW Cor. of Sec. 28-T34S-R8W

DATUM: NAD-27  
 LAT: 37°03'52.4"N  
 LONG: 98°11'42.4"W  
 LAT: 37.064555326° N  
 LONG: 98.195100637° W  
 STATE PLANE  
 COORDINATES: (US Feet)  
 ZONE: KS SOUTH  
 X: 2088971  
 Y: 145025

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

Revision  D Date of Drawing: Oct. 29, 2014  
 Invoice # 228439 Date Staked: Aug. 06, 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

