

**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, 2013

SUMNER

County, Kansas

370'FNL -- 1320'FEL Section 30 Township 34S Range 4W P.M.

GLO STONE  
 X= 2209013  
 Y= 146661

IRON ROD  
 X= 2203707  
 Y= 146555

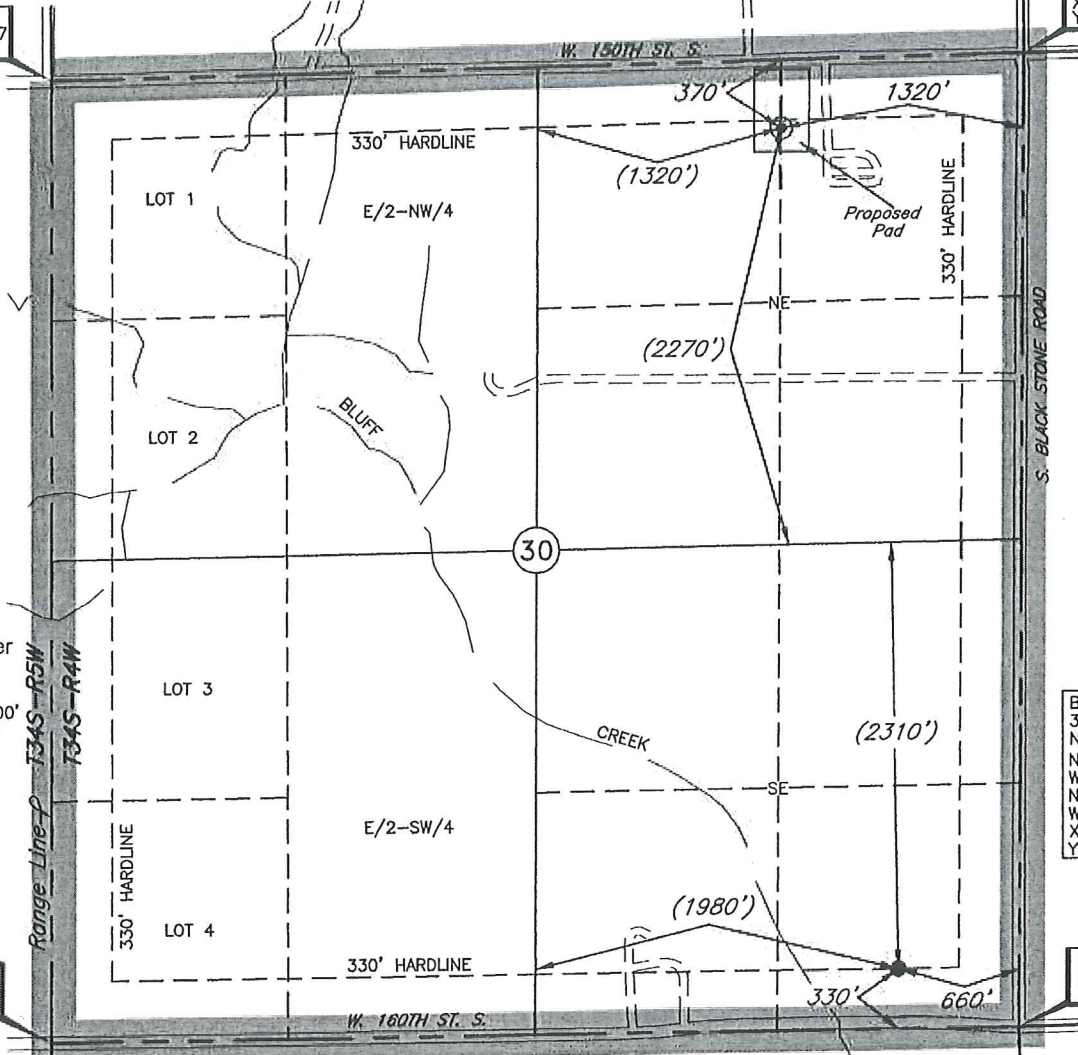
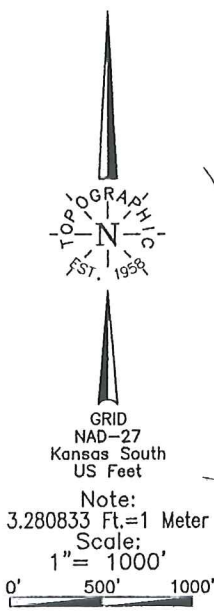
A boundary survey of the said section(s) shown hereon was not performed per the request of the operator shown hereon.

Bottom Hole  
 330'FSL-660'FEL  
 NAD-27 (US Feet)  
 N 37° 03' 12.9"  
 W 97° 47' 10.3"  
 N 37.063580652'  
 W 97.786207087'  
 X= 2208317  
 Y= 141681

IRON ROD  
 X= 2208975  
 Y= 141357

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: MISAK 3404

Well No.: 1-30H

**ELEVATION:**

1217' Gr. at level pad

Topography & Vegetation Loc. fell at level pad

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

Best Accessibility to Location From county road East of location.

Distance & Direction from Hwy Jct or Town From Caldwell, Kansas, go ±0.7 mi. North, then ±0.5 mi. West, then ±2.5 mi. North, then ±11.0 mi. West to the NE Cor. of Sec. 30-T34S-R4W.

Date of Drawing: Apr. 21, 2014

Invoice # 221379 Date Staked: Apr. 18, 2014

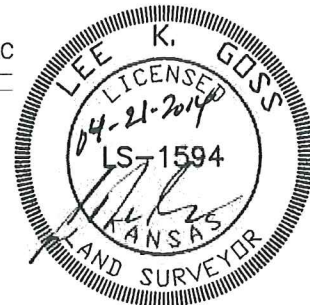
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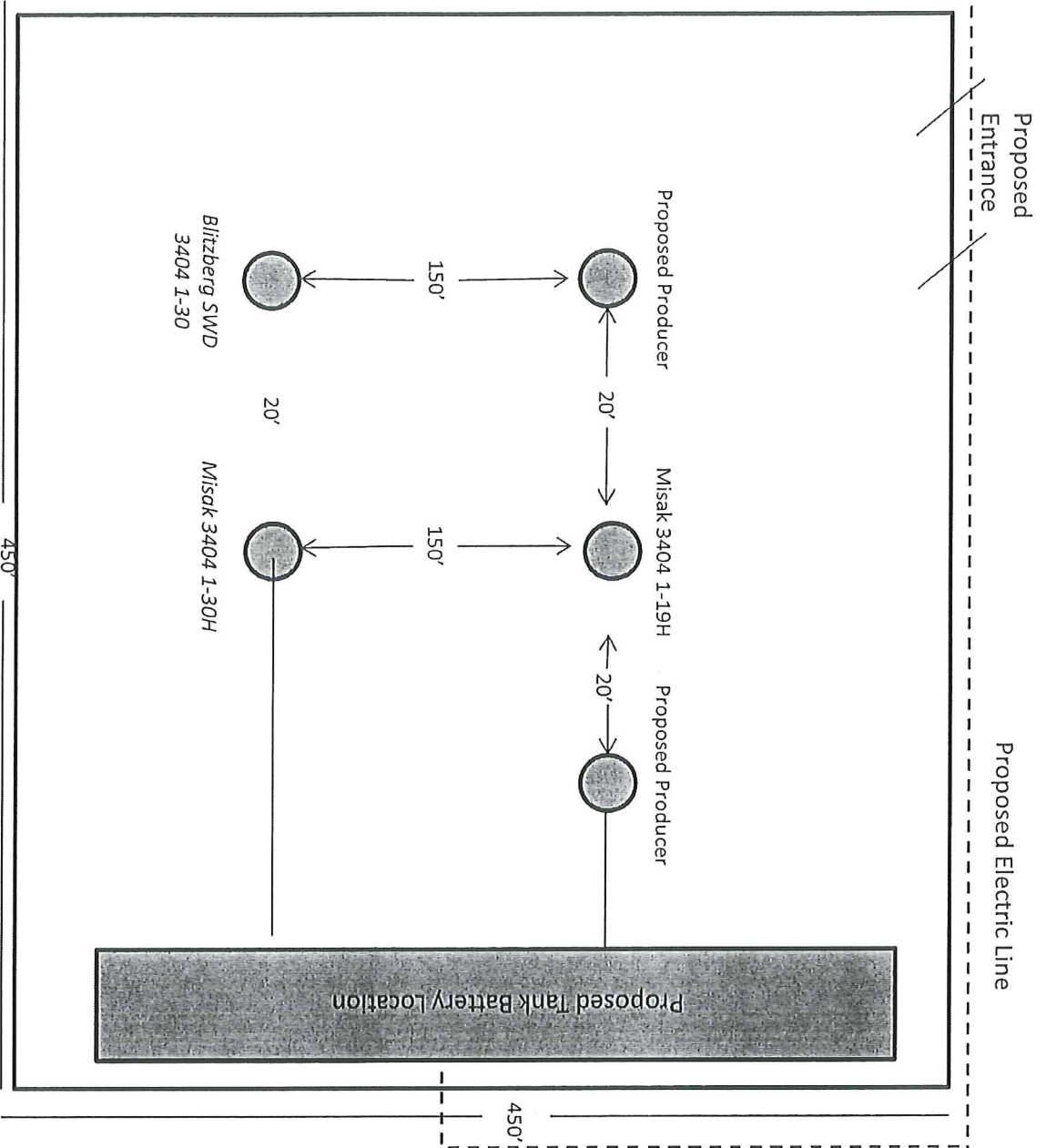
This information was gathered with a GPS receiver with ±1 foot Horiz./Vert. accuracy

DATUM: NAD-27  
 LAT: 37°03'58.3" N  
 LONG: 97°47'17.7" W  
 LAT: 37.066181002° N  
 LONG: 97.788236321° W  
 STATE PLANE  
 COORDINATES: (US Feet)  
 ZONE: KS SOUTH  
 X: 2207690  
 Y: 146264

**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.





**Misak 3404 1-30H**  
**Sumner County, KS**

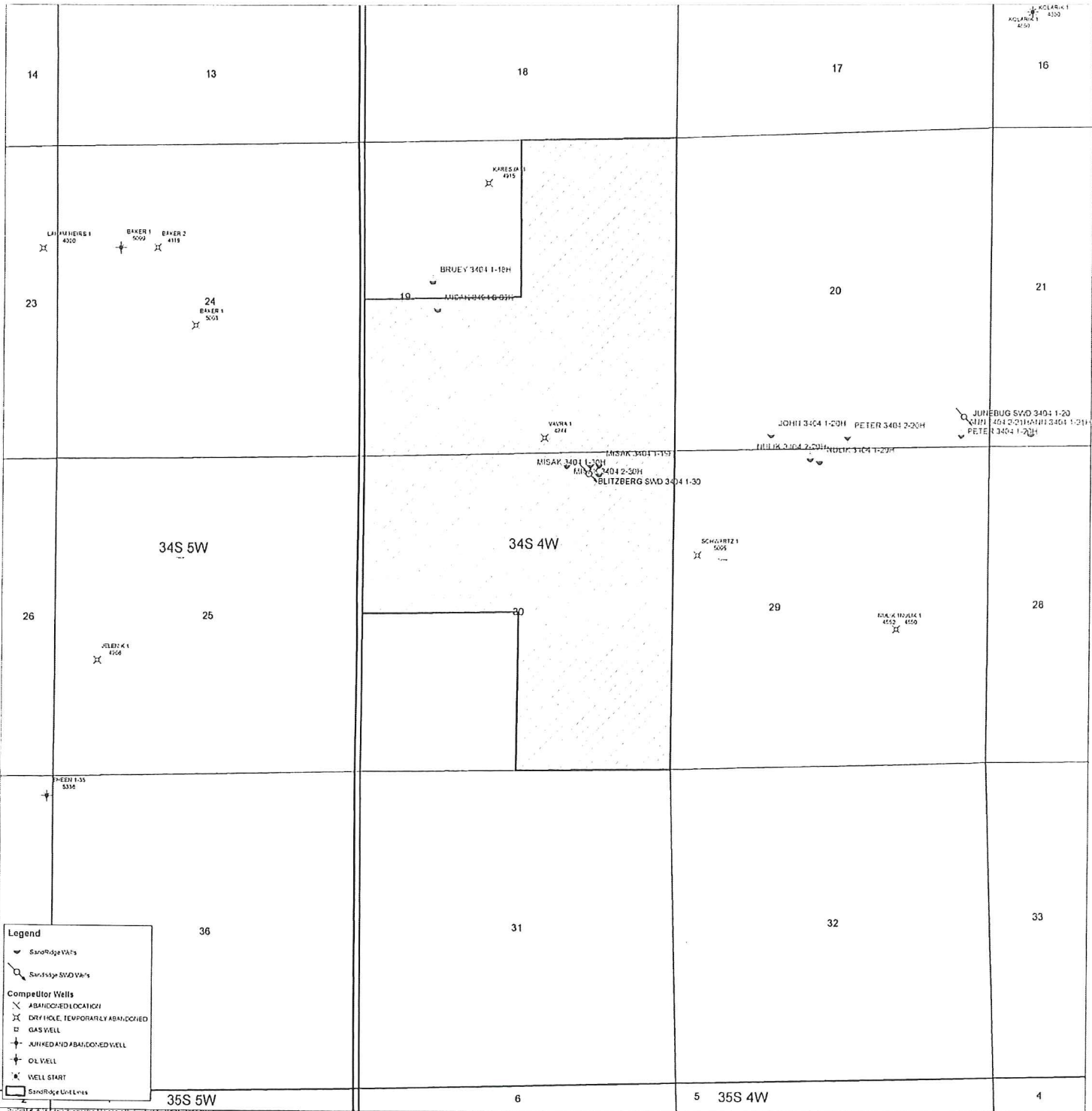
Unit Description:

E/2 & SW/4 of 19-34S-4W

E/2 & NW/4 of 30-34S-4W

Surface Owner:

SandRidge Exploration and Production, LLC



- Legend**
- Sand Ridge VAs
  - Sand Ridge SWD VAs
  - Competitor Wells**
  - ABANDONED LOCATION
  - DRY HOLE, TEMPORARILY ABANDONED
  - GAS WELL
  - UNHEDGED AND ABANDONED WELL
  - OIL WELL
  - WELL START
  - Sand Ridge Well