

**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

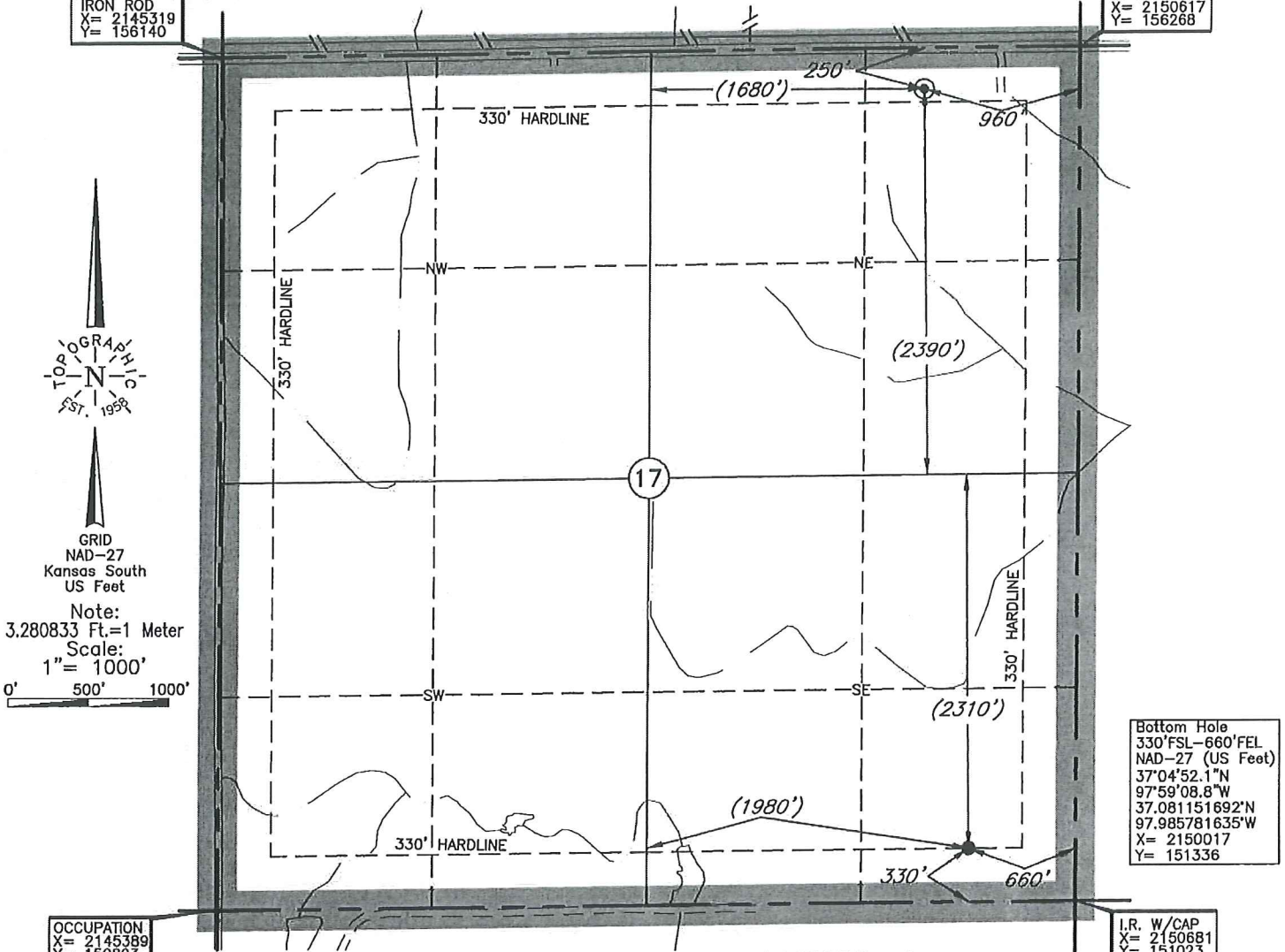
HARPER

County, Kansas

250'FNL-960'FEL Section 17 Township 34S Range 6W P.M.

IRON ROD  
 X= 2145319  
 Y= 156140

IRON ROD  
 X= 2150617  
 Y= 156268



TOPOGRAPHIC  
 SURVEYORS  
 EST. 1958

GRID  
 NAD-27  
 Kansas South  
 US Feet

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

0' 500' 1000'

Bottom Hole  
 330'FSL-660'FEL  
 NAD-27 (US Feet)  
 37°04'52.1"N  
 97°59'08.8"W  
 37.081151692°N  
 97.985781635°W  
 X= 2150017  
 Y= 151336

OCCUPATION  
 X= 2145389  
 Y= 150893

I.R. W/CAP  
 X= 2150681  
 Y= 151023

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.

Bottom Hole, information provided by operator listed, NOT Surveyed;  
 Corner Coordinates are taken from points surveyed in the field.

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

Operator: SANDRIDGE EXPLORATION & PRODUCTION, LLC  
 Lease Name: DANIELLE 3406  
 Well No.: 2-17H  
 ELEVATION: 1317' Gr. at Stake

Topography & Vegetation Loc. fell in sloped terraced wheat field, 186' North to gas pipeline, 70' East of slope to low area.

Good Drill Site?  Yes  No Reference Stakes or Alternate Location Stakes Set  None

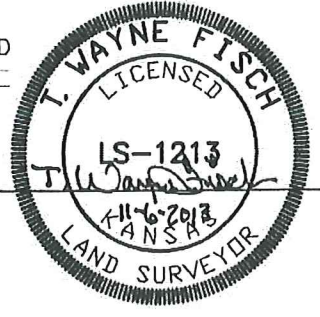
Best Accessibility to Location From county road North of location.

Distance & Direction from Hwy Jct or Town From Anthony, Kansas, go ±4.0 mi. South on St. Hwy. 179, then ±3.0 mi. East to the NE Corner of Section 17, T34S-R6W.

DATUM: NAD-27  
 LAT: 37°05'38.2"N  
 LONG: 97°59'12.9"W  
 STATE PLANE  
 COORDINATES: (US Feet)  
 ZONE: KS SOUTH  
 X: 2149660  
 Y: 155995

Date of Drawing: Nov. 6, 2013  
 Invoice # 210930A Date Staked: Nov. 5, 2013 AD

**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.

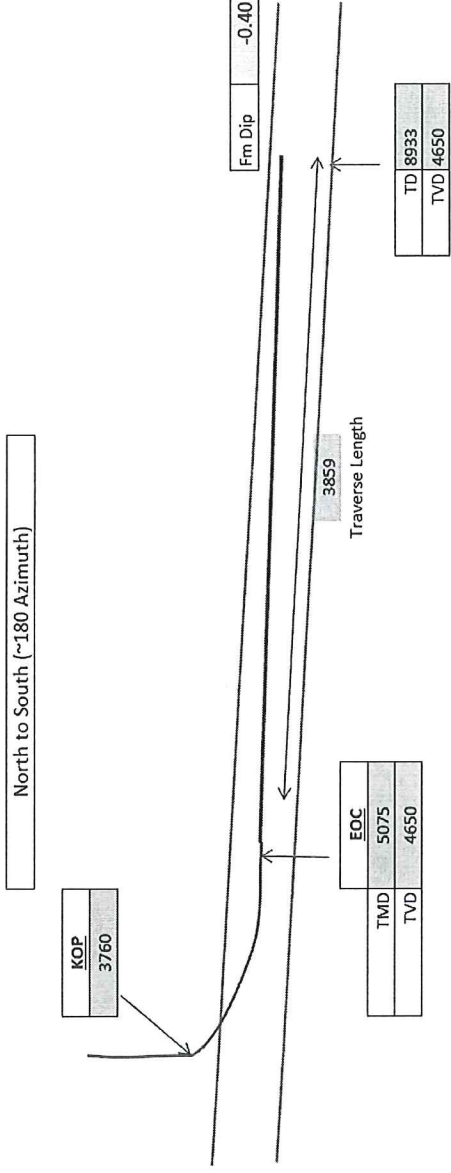


This information was gathered with a GPS receiver with ±1 foot Horiz./Vert. accuracy.

Target Line	4,650
TVD @ 0' VS	90.00
INC	

	SHL	BHL
X NAD Z7	2,149,660	2,150,017
Y NAD Z7	155,995	151,336

Total VS	4,672.66
EOC (MD)	5,074.67
EOC (TVD)	4,650.00
KOP	3,760.38
Azimuth	175.62
Traverse Length	3,858.78
TD (MD)	8,933.44
TVD @ TD	4,650.00
TVD displacement f/ EOC to TD	0.00



**Operator**

SandRidge Energy

Well Name and Number

Danielle 3406 2-17H

Well Surface Location

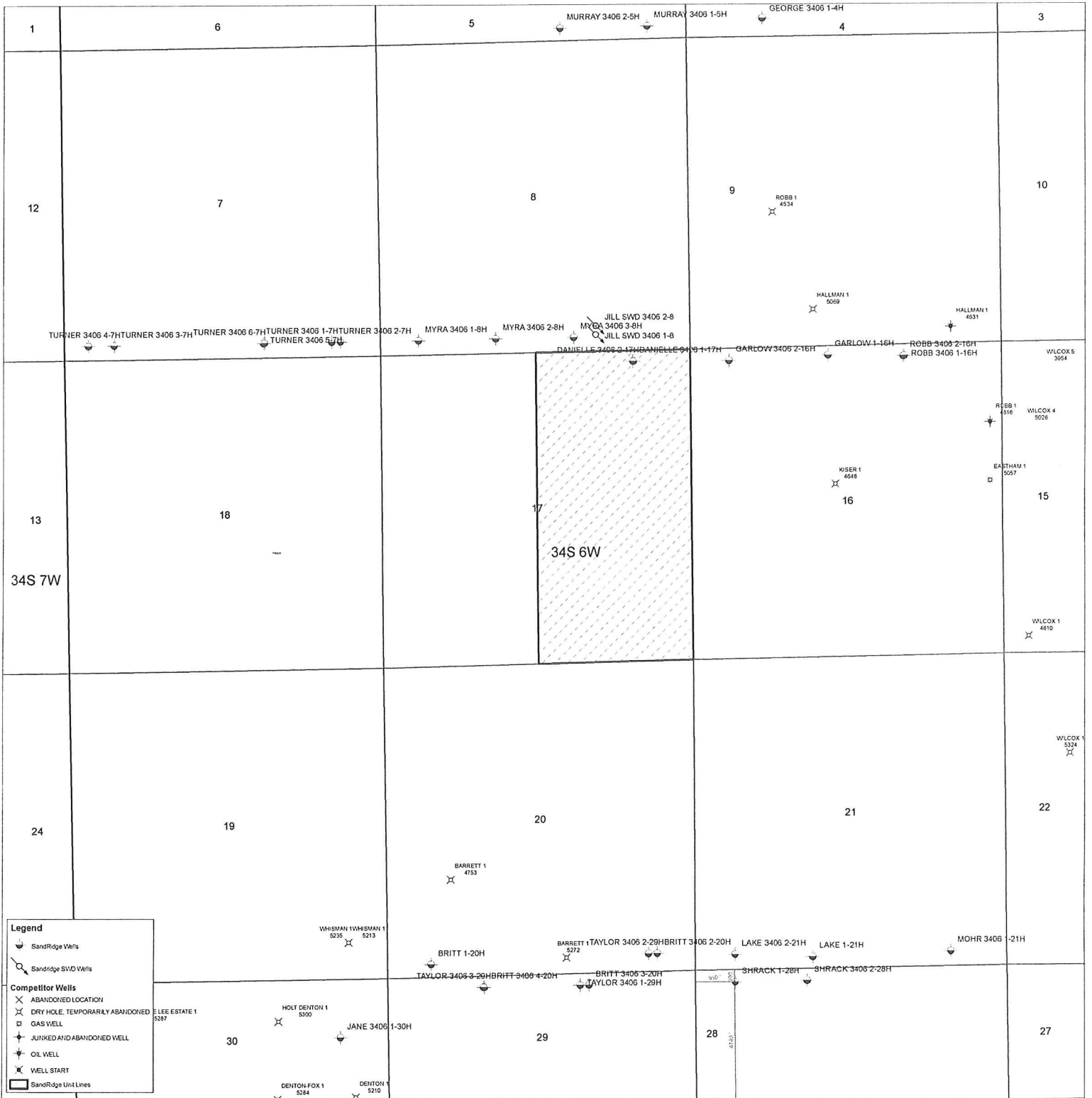
250' FNL & 960' FEL of 17-34S-6W

Well Bottom Hole Location

330' FSL & 660' FEL of 17-34S-6W

County and State

Harper County, Kansas



UNIT OUTLINE

**Danielle 3406 2-17H**  
**Lease Information Sheet**

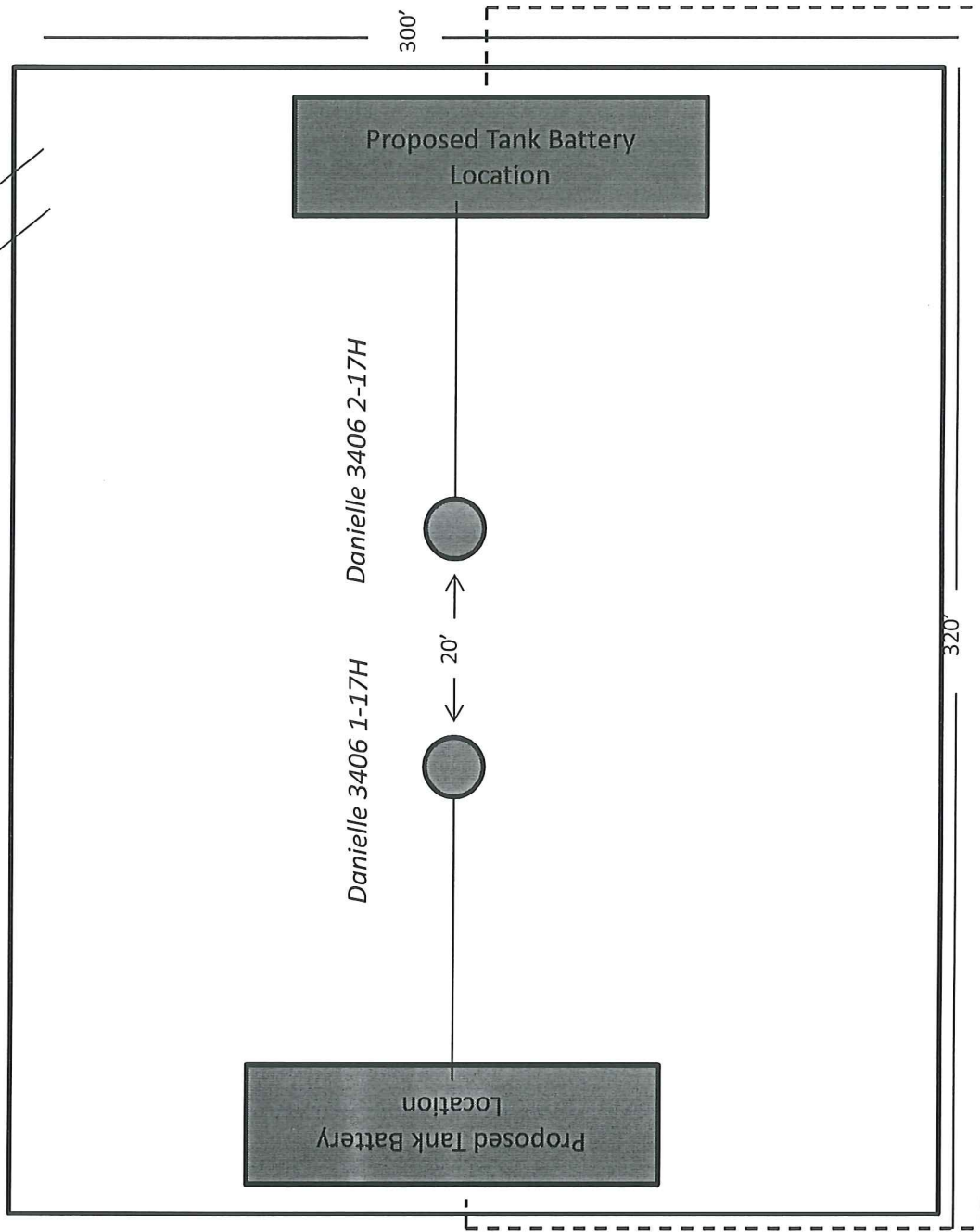
**Unit Description:**

E/2 of Section 17-30S-6W  
Harper County, KS

**Surface Owner:**

Barbara Jane Garlow  
805 E Woodsway St  
Wellington, KS 67152

Proposed  
Entrance



Proposed Electric Line