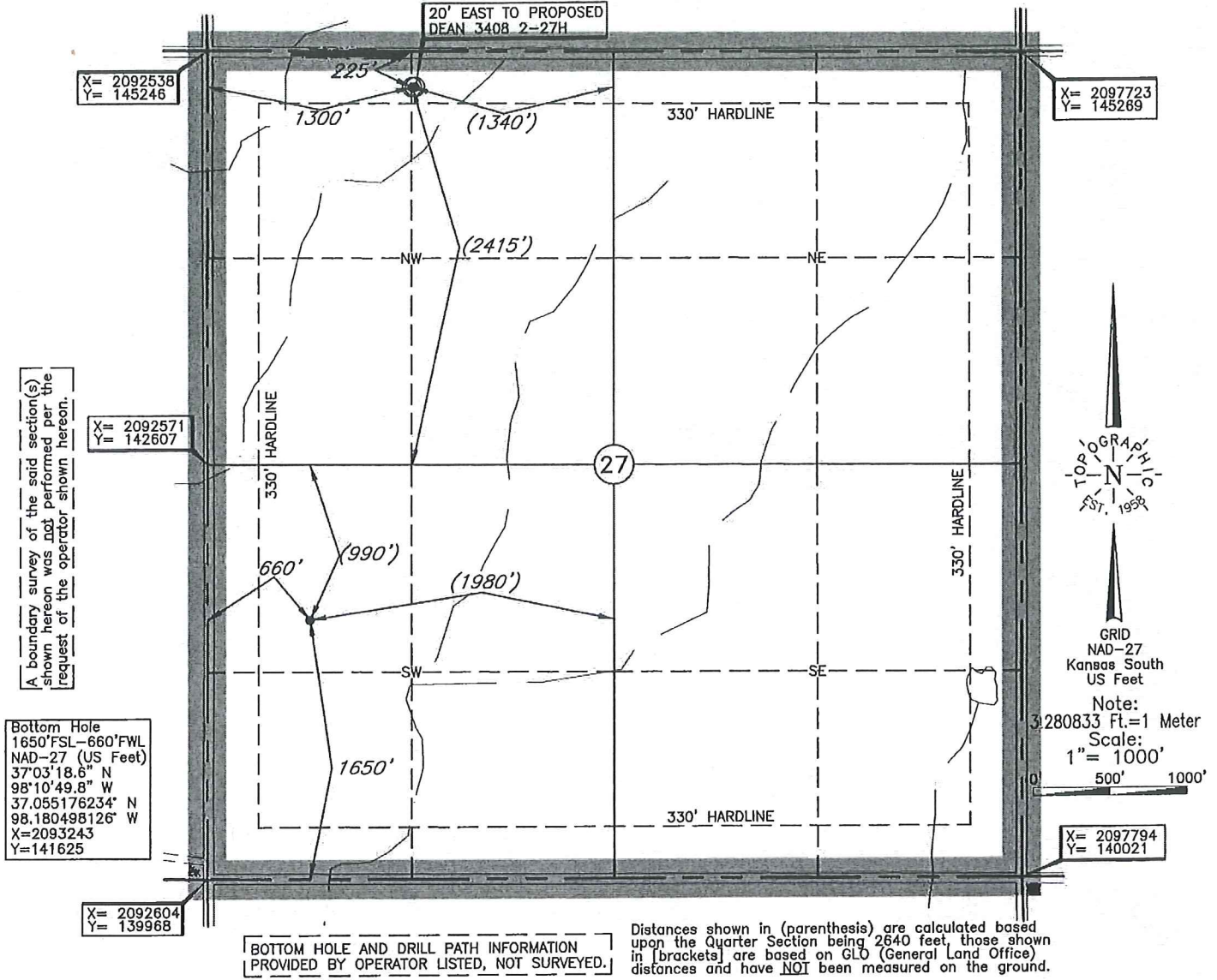


**TOPOGRAPHIC LAND SURVEYORS**

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

225'FNL - 1300'FWL Section 27 Township 34S Range 8W P.M.



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

Bottom Hole  
1650'FSL-660'FWL  
NAD-27 (US Feet)  
37°03'18.6" N  
98°10'49.8" W  
37.055176234" N  
98.180498126" W  
X=2093243  
Y=141625

BOTTOM HOLE AND DRILL PATH INFORMATION PROVIDED BY OPERATOR LISTED, NOT SURVEYED.

Operator: SANDRIDGE EXPLORATION & PRODUCTION, LLC

Lease Name: DEAN 3408

Well No.: 1-27H

**ELEVATION:**  
1292' Gr. at Stake

Topography & Vegetation Loc. fell in level cotton field

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, OK, go ±4.0 mi. North to the NW Cor. of Sec. 27-T34S-R8W

DATUM: NAD-27  
 LAT: 37°03'52.3"N  
 LONG: 98°10'42.3" W  
 LAT: 37.064515511° N  
 LONG: 98.178410055° W  
 STATE PLANE COORDINATES: (US Feet)  
 ZONE: KS SOUTH  
 X: 2093841  
 Y: 145027

Revision  B Date of Drawing: Feb. 05, 2014  
 Invoice # 215486 Date Staked: Jan. 31, 2014



**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

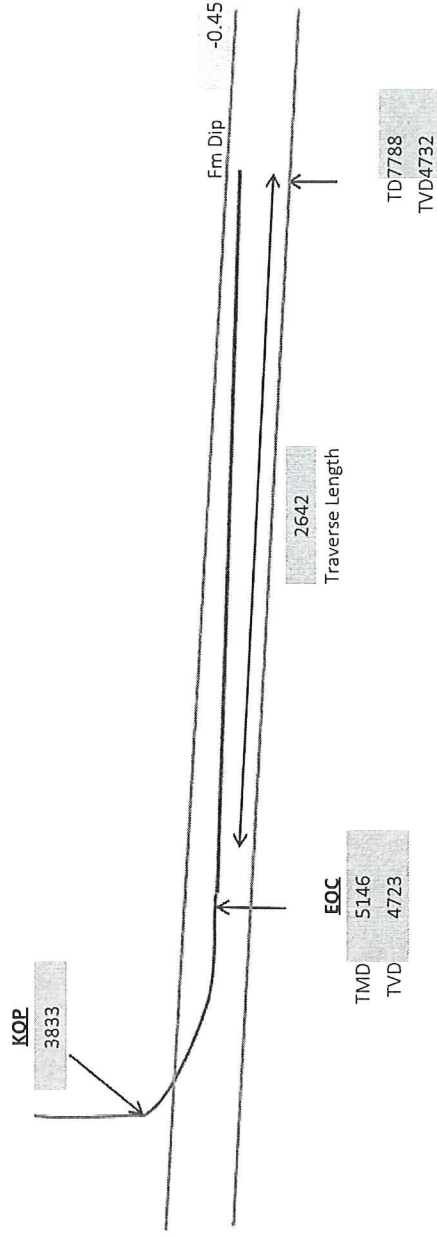
This information was gathered with a GPS receiver with ±1 foot Horiz./Vert. accuracy

Target Line	
TVD @ 0' VS	4,720
INC	89.80

	SHL	BHL
X NAD 27	2,093,841	2,093,243
Y NAD 27	145,027	141,625

Total VS	3,454.16
EOC (MD)	5,145.50
EOC (TVD)	4,722.83
KOP	3,833.22
Azimuth	189.97
Traverse Length	2,642.29
TD (MD)	7,787.80
TVD @ TD	4,732.06
TVD displacement f/ EOC to TD	9.22

North to South (~180 Azimuth)



**Operator**

SandRidge Energy

**Well Name and Number**

Dean 3408 1-27H

**Well Surface Location**

27-T34S-R8W; 225' FNL & 1300' FWL

**Well Bottom Hole Location**

27-T34S-R8W; 1650' FSL & 660' FWL

**County and State**

Harper County, Kansas

**Dean 3408 1-27H**  
**Lease Information Sheet**

**Unit Description:**

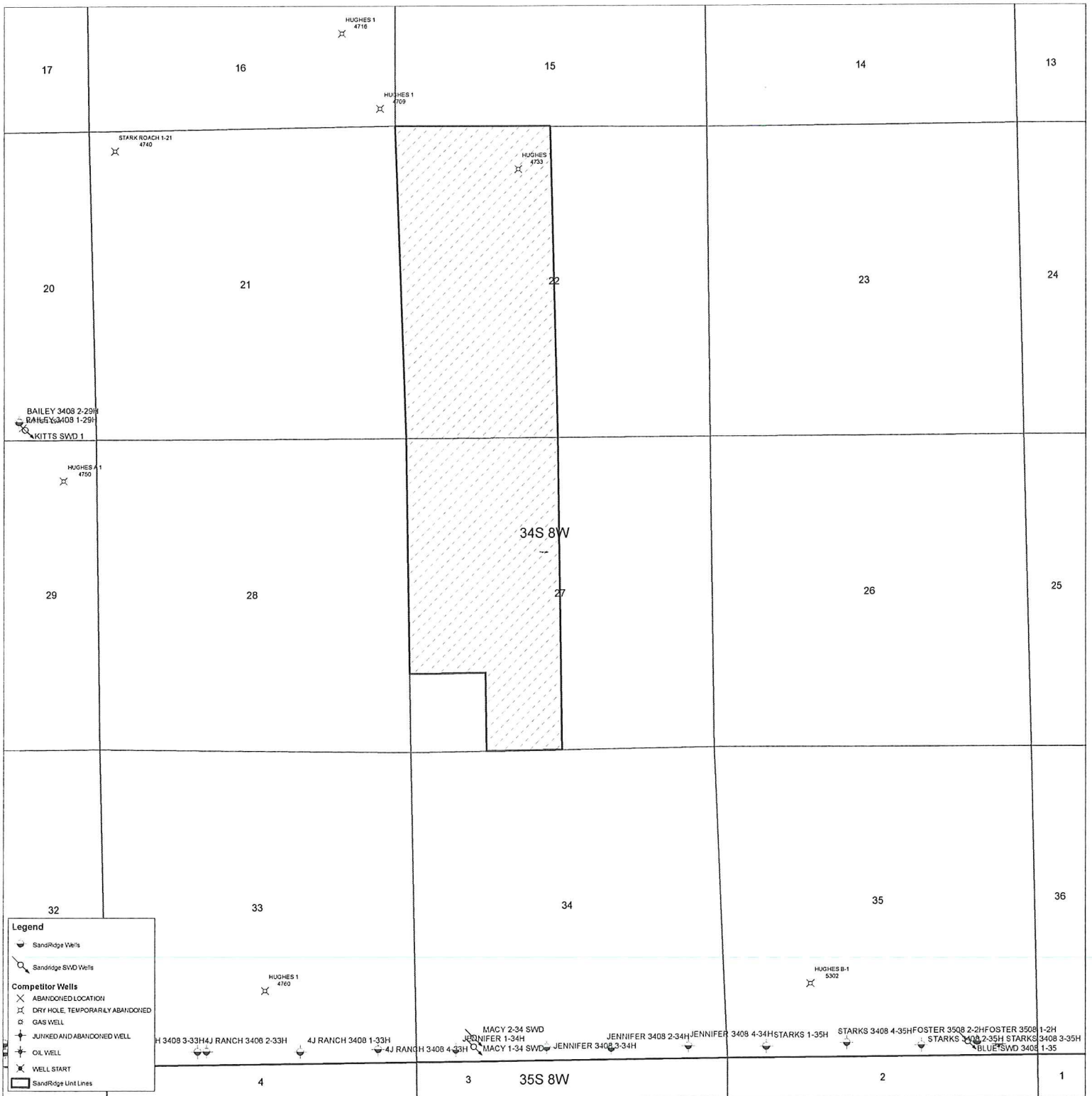
W2 of Section 22-35S-08W &  
W2 L&E SW SW of Section 27-35S-08W  
Harper County, KS

**Surface Owner:**

McKee Family Loving Trust  
409 Trout Circle  
Wamego, KS 66547-9018  
Michael McKee: 785-456-2365

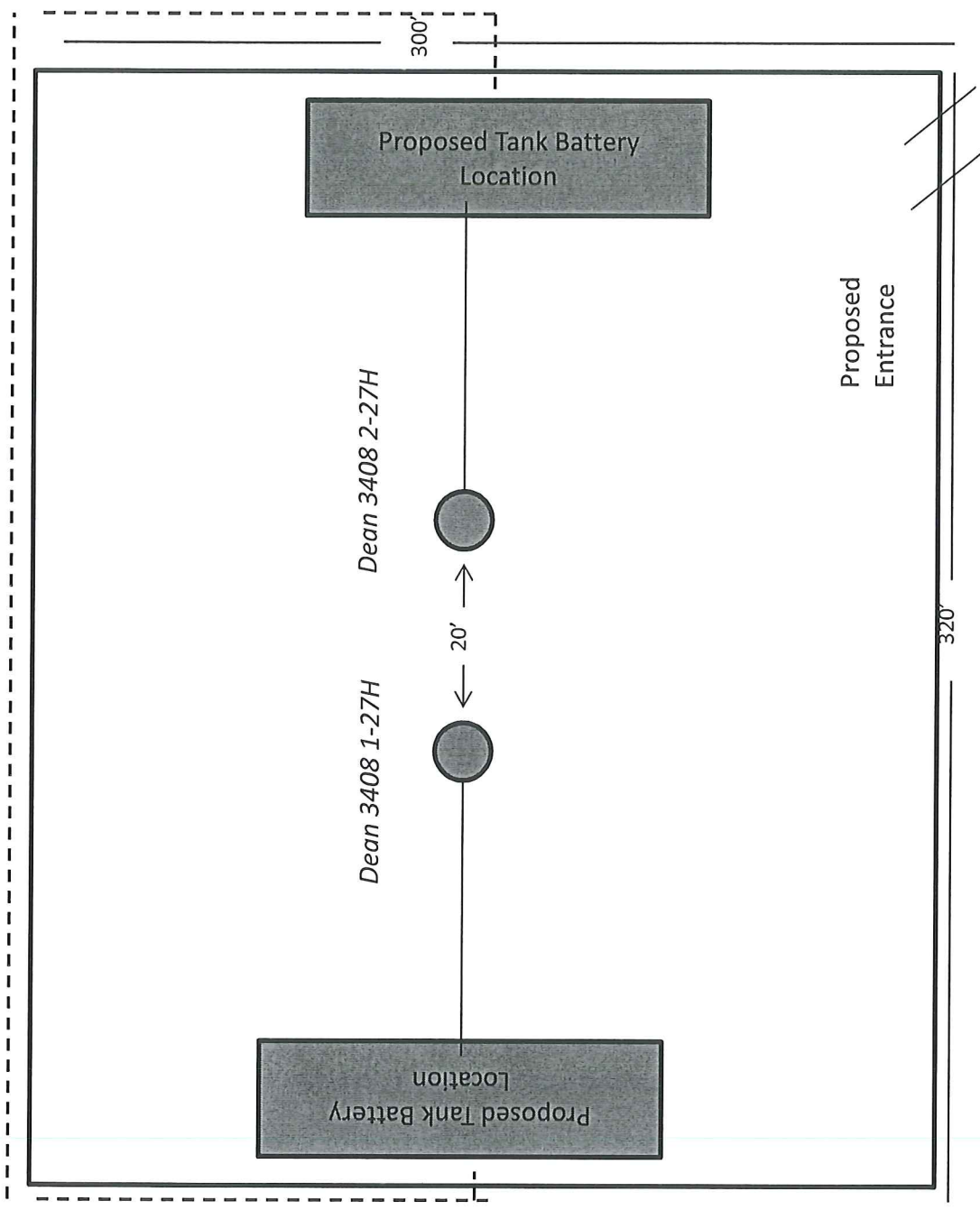
Deanna K Gehlbach  
16520 W 133th St  
Olathe, KS 66062-6206  
913-782-6548

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**Legend**

- SandRidge Wells
- SandRidge SWD Wells
- Competitor Wells**
- ABANDONED LOCATION
- DRY HOLE, TEMPORARILY ABANDONED
- GAS WELL
- JUNKED AND ABANDONED WELL
- OIL WELL
- WELL START
- SandRidge Unit Lines



Proposed Electric Line