

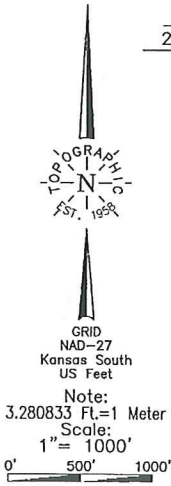
**TOPOGRAPHIC LAND SURVEYORS**

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

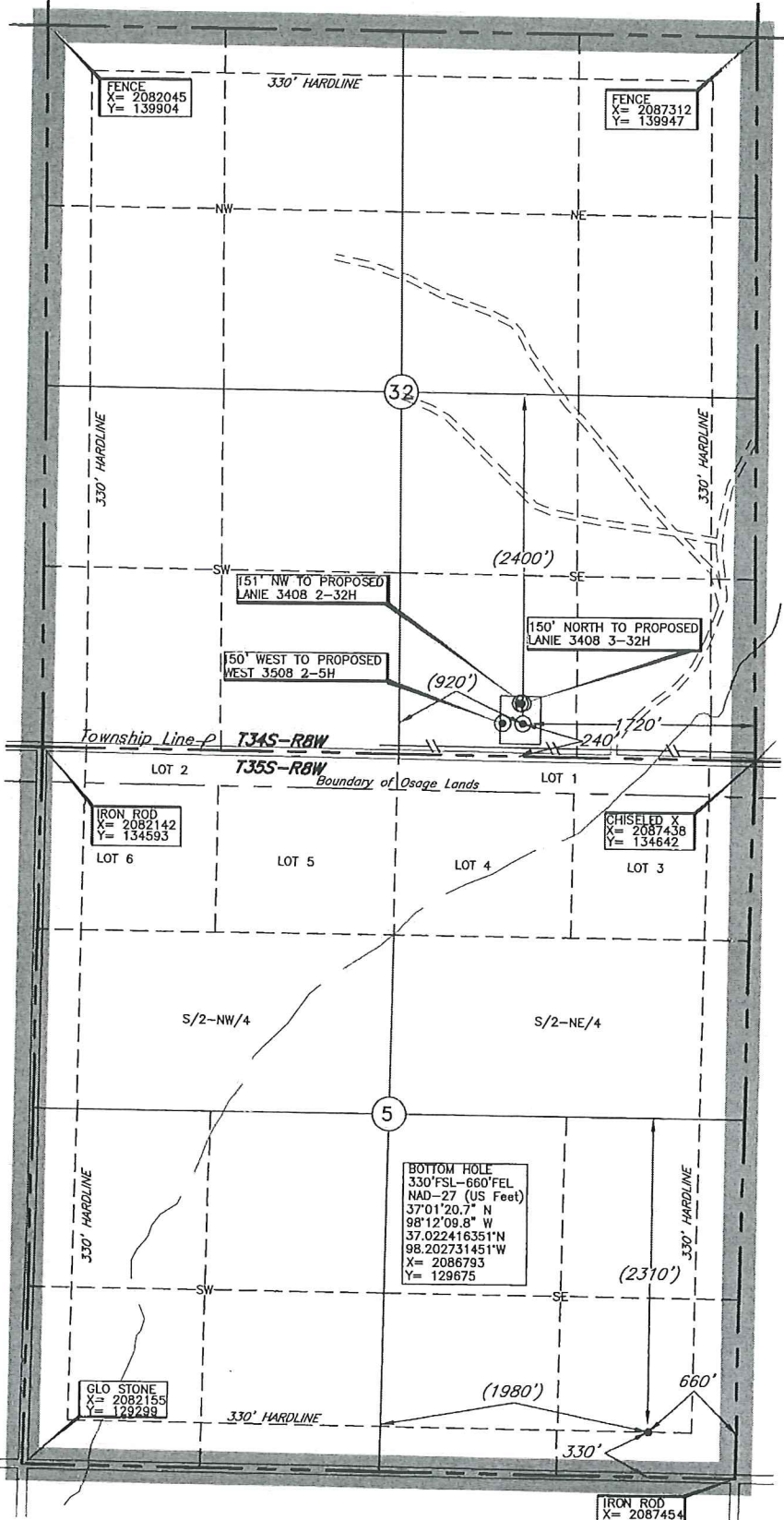
240' FSL - 1720' FEL Section 32 Township 34S Range 8W P.M.



A boundary survey of the solid section(s) shown hereon was prepared at the request of the operator shown hereon.

BOTTOM HOLE INFORMATION PROVIDED BY OPERATOR LISTED. NOT SURVEYED CORNER COORDINATES ARE TAKEN FROM POINTS SURVEYED IN THE FIELD.

Distances shown in (parenthesis) are calculated based upon the quarter section grid coordinates shown in brackets. Distances are based on old General Land Office distances and have NOT been measured on the ground.



Operator: SANDRIDGE EXPLORATION & PRODUCTION, LLC  
 Lease Name: WEST 3508  
 Topography & Vegetation Loc. fell 85' South of SWD pipeline  
 Well No.: 1-5H  
 ELEVATION: 1236' Gr. at Stake

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

Best Accessibility to Location From South off county road  
 Distance & Direction From Waldron, KS, go ±2 miles North, then ±1 mile West to the  
 SE Cor. of Sec. 32-134S-R8W

DATUM: NAD-27  
 LAT: 37°02'12.1"N  
 LONG: 98°12'23.0"W  
 LAT: 37.036683601° N  
 LONG: 98.206379642° W  
 STATE PLANE  
 COORDINATES: (US Feet)  
 ZONE: KS SOUTH  
 X: 2085711  
 Y: 134866

Date of Drawing: Nov. 06, 2013  
 Invoice # 210931B Date Staked: Nov. 05, 2013 LC

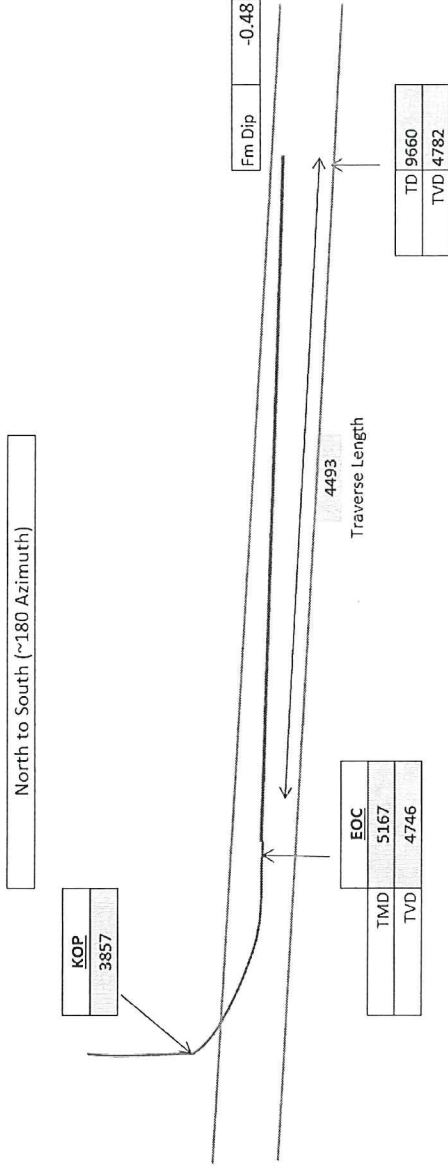
**CERTIFICATE:**  
 I, T. Wayne Fisch a Kansas Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors, do hereby certify that the above described well location was surveyed and staked on the ground as shown herein.



Target Line	
TVD @ 0' VS	4,740
INC	89.55

	SHL	BHL
X NAD 27	2,085,711	2,086,793
Y NAD 27	134,866	129,675

Total VS	5,302.57
EOC (MD)	5,166.54
EOC (TVD)	4,746.36
KOP	3,856.75
Azimuth	168.23
Traverse Length	4,493.32
TD (MD)	9,659.86
TVD @ TD	4,781.65
TVD displacement/f/ EOC to TD	35.29



**Operator**

SandRidge Energy

**Well Name and Number**

West 3508 1-5H

**Well Surface Location**

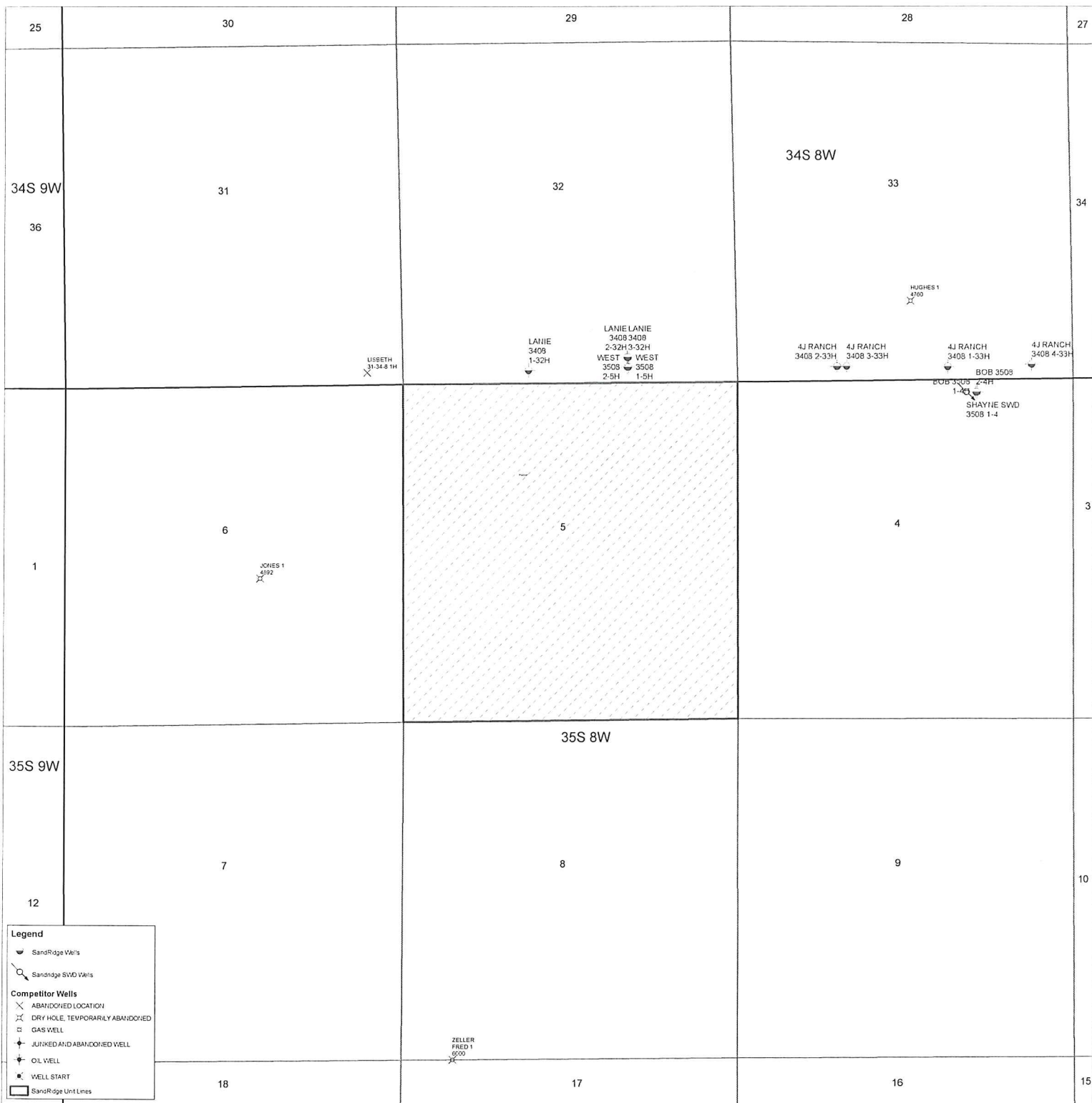
240' FSL & 1720' FEL of 32-34S-8W

**Well Bottom Hole Location**

330' FSL & 660' FEL of 5-35S-8W

**County and State**

Harper County, Kansas



*West Unit Outline*

**West 3508 1-5H**  
**Lease Information Sheet**

**Unit Description:**

All of Section 5-35S-08W

Harper County, KS

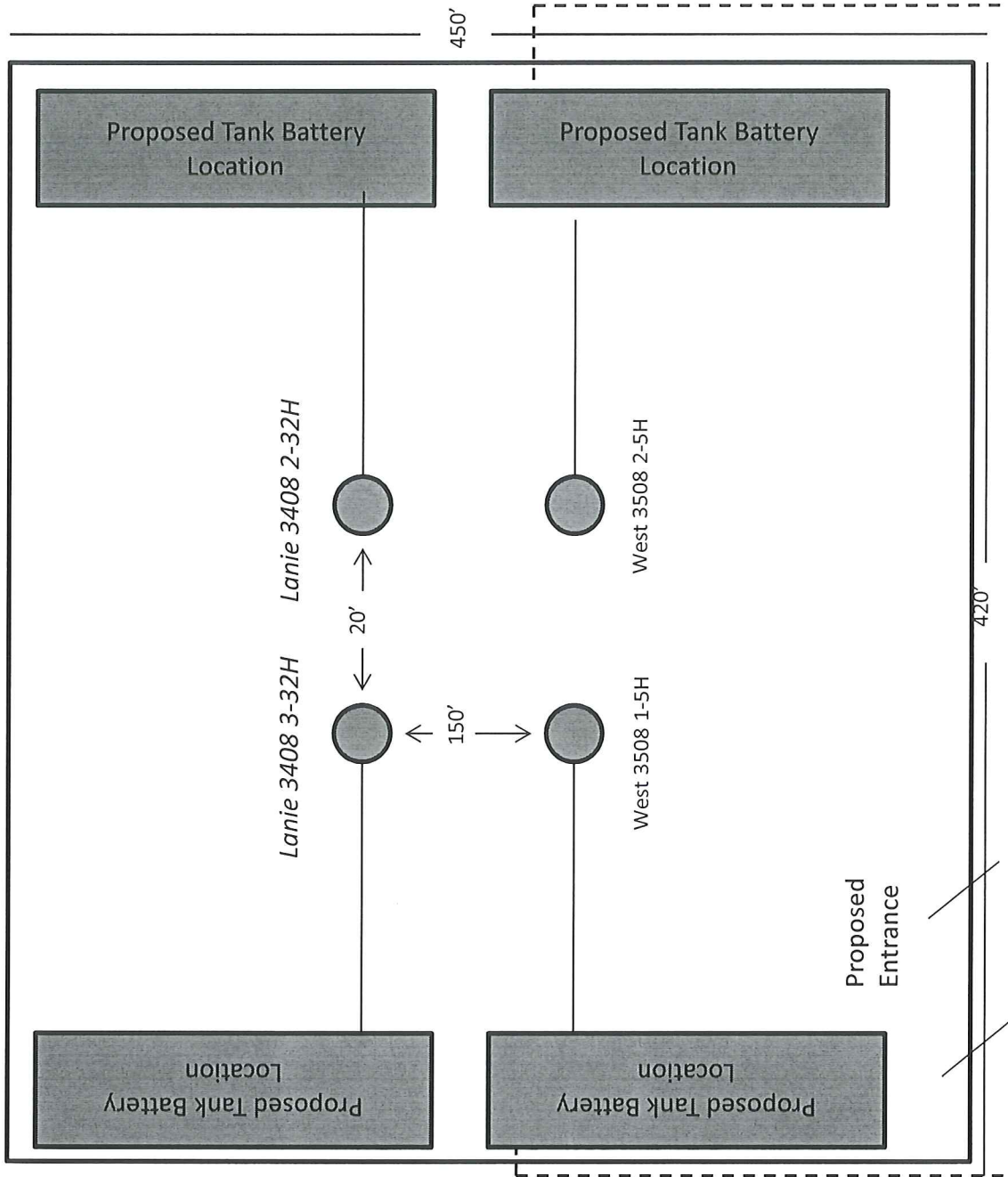
**Surface Owners:**

Lanie Land, LLC

80574 McClain Rd

Manchester, OK 73758

West 3508 1-5H & West 3508 2-5H



Proposed Electric Line