

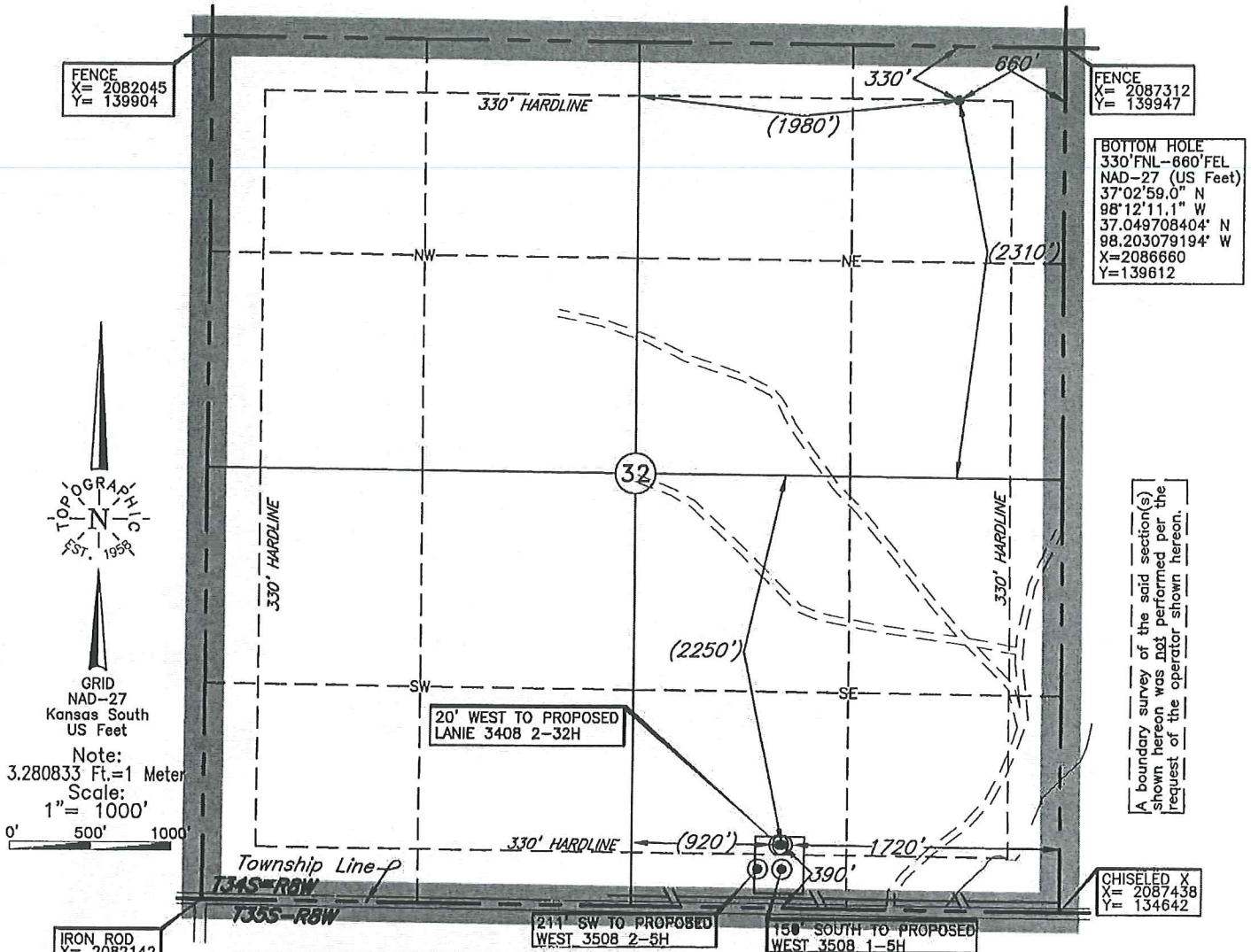
TOPOGRAPHIC LAND SURVEYORS

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

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



FENCE
X= 2082045
Y= 139904

FENCE
X= 2087312
Y= 139947

BOTTOM HOLE
330'FNL-660'FEL
NAD-27 (US Feet)
37°02'59.0" N
98°12'11.1" W
37.049708404' N
98.203079194' W
X=2086660
Y=139612

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

CHISELED X
X= 2087438
Y= 134642

IRON ROD
X= 2082142
Y= 134593

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 being 2640 feet, those shown in [brackets] are based on GLD (General Land Office) distances and have NOT been measured on the ground.

Operator: SANDRIDGE EXPLORATION & PRODUCTION, LLC
 Lease Name: LANIE 3408

Well No.: 3-32H
ELEVATION:
 1237' Gr. at Stake

Topography & Vegetation Loc. fell in level sandy pasture, 179' North of gas pipeline

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

Best Accessibility to Location From South off county road
 Distance & Direction
 from Hwy Jct or Town From Waldron, KS, go ±2 miles North, then ±1 mile West to the
 SE Cor. of Sec. 32-T34S-R8W

DATUM: NAD-27
 LAT: 37°02'13.5"N
 LONG: 98°12'23.0"W
 LAT: 37.037095765° N
 LONG: 98.206389869° W
 STATE PLANE
 COORDINATES: (US Feet)
 ZONE: KS SOUTH
 X: 2085708
 Y: 135016

Date of Drawing: Nov. 06, 2013
 Invoice # 210931A Date Staked: Nov. 05, 2013 AC

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

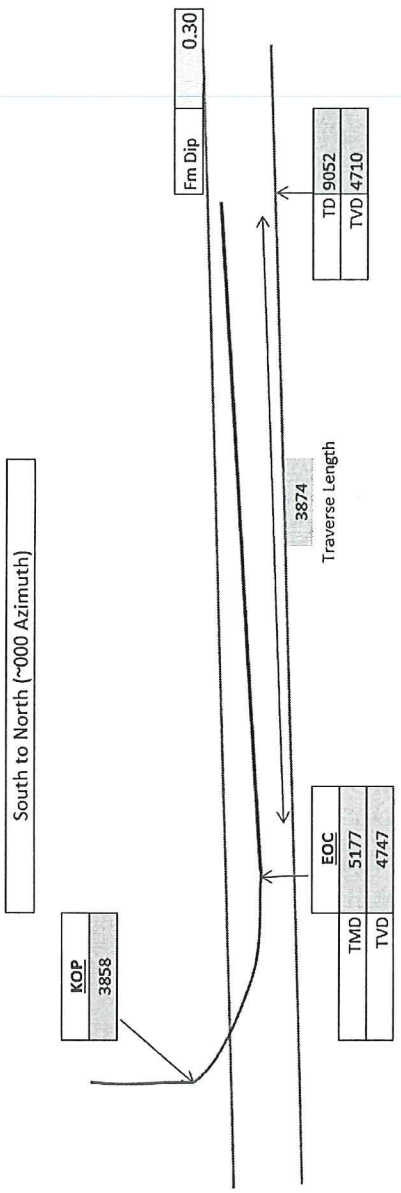
Target Line	
TVD @ 0° VS	4,755
INC	90.55

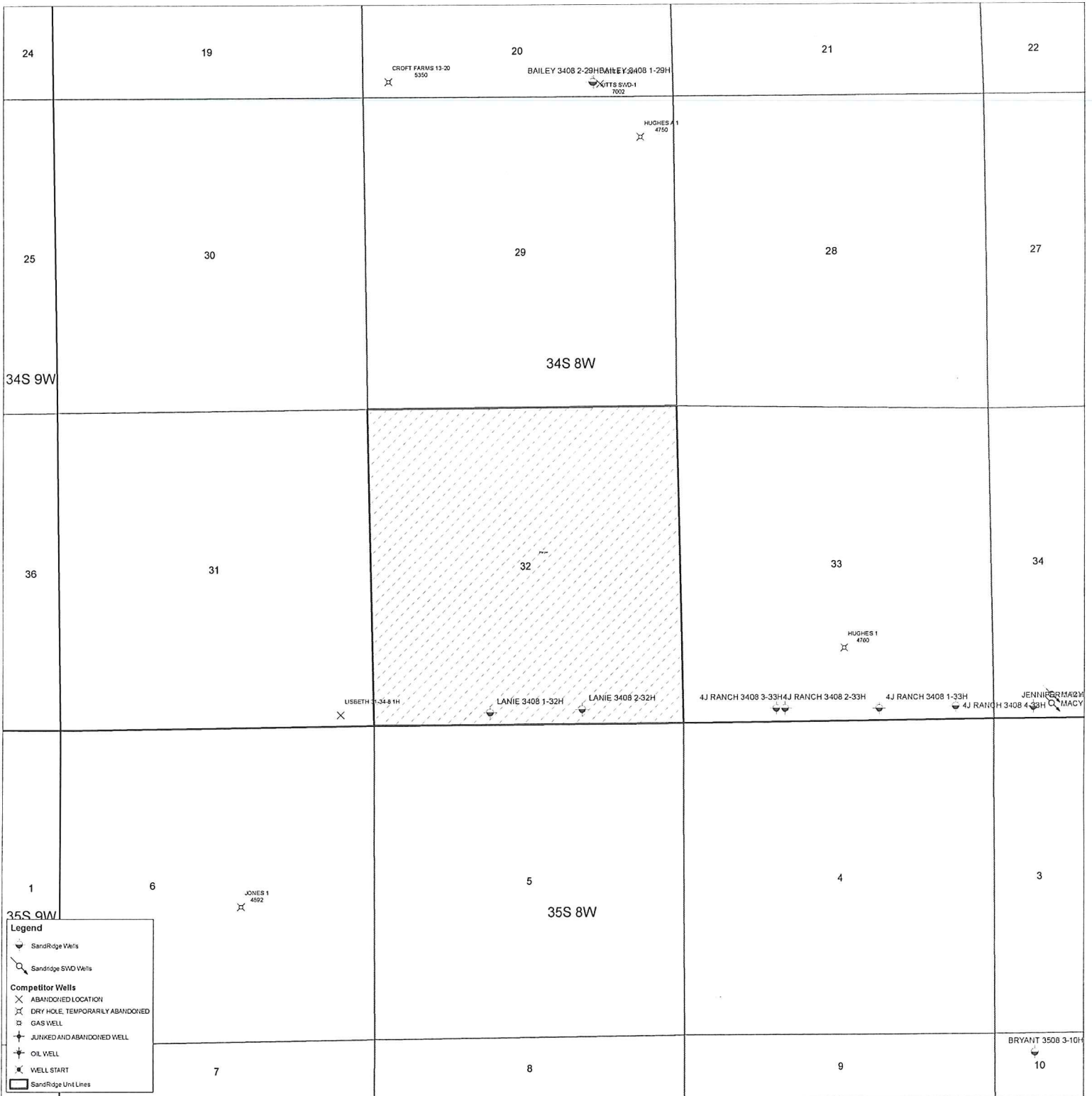
	SHL	BHL
X NAD 27	2,085,708	2,086,660
Y NAD 27	135,016	139,612

Total VS	4,693.56
EOC (MD)	5,177.33
EOC (TVD)	4,747.13
KOP	3,857.54
Azimuth	11.70
Traverse Length	3,874.36
TD (MD)	9,051.69
TVD @ TD	4,709.94
TVD displacement f/ EOC to TD	37.19

Operator
SandRidge Energy
Well Name and Number
Lanie 3408 3-32H

Well Surface Location
390' FSL & 1720' FEL of 32-34S-8W
Well Bottom Hole Location
330' FNL & 660' FEL of 32-34S-8W
County and State
Harper County, Kansas





UNIT OUTLINE

Lanie 3408 3-32H
Lease Information Sheet

Unit Description:

All of Section 32-34S-08W

Harper County, KS

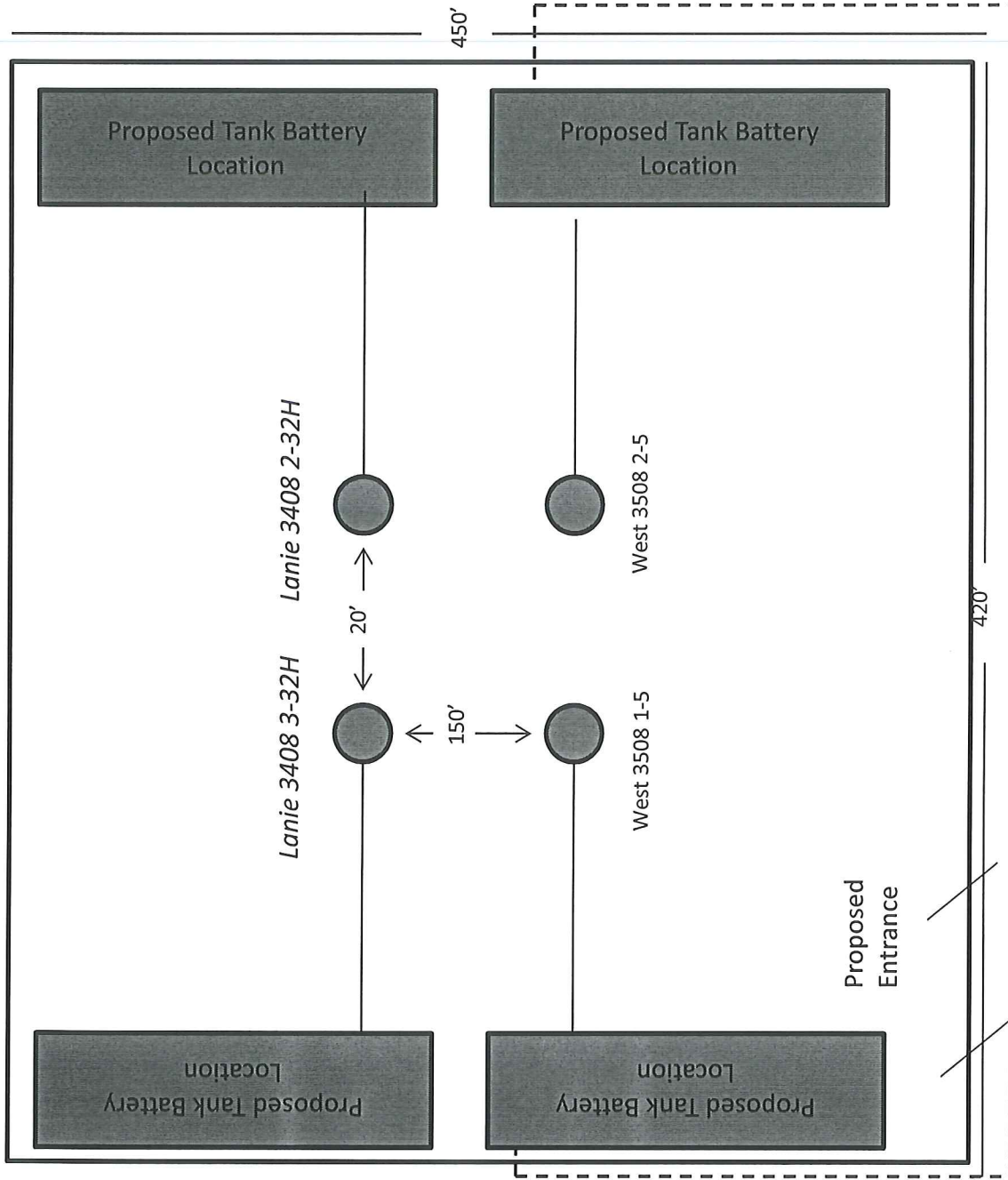
Surface Owner:

Lanie Land, LLC

80574 McClain Rd

Manchester, OK 73758

Lanie 3408 3-32



Proposed
Entrance

Proposed Electric Line