

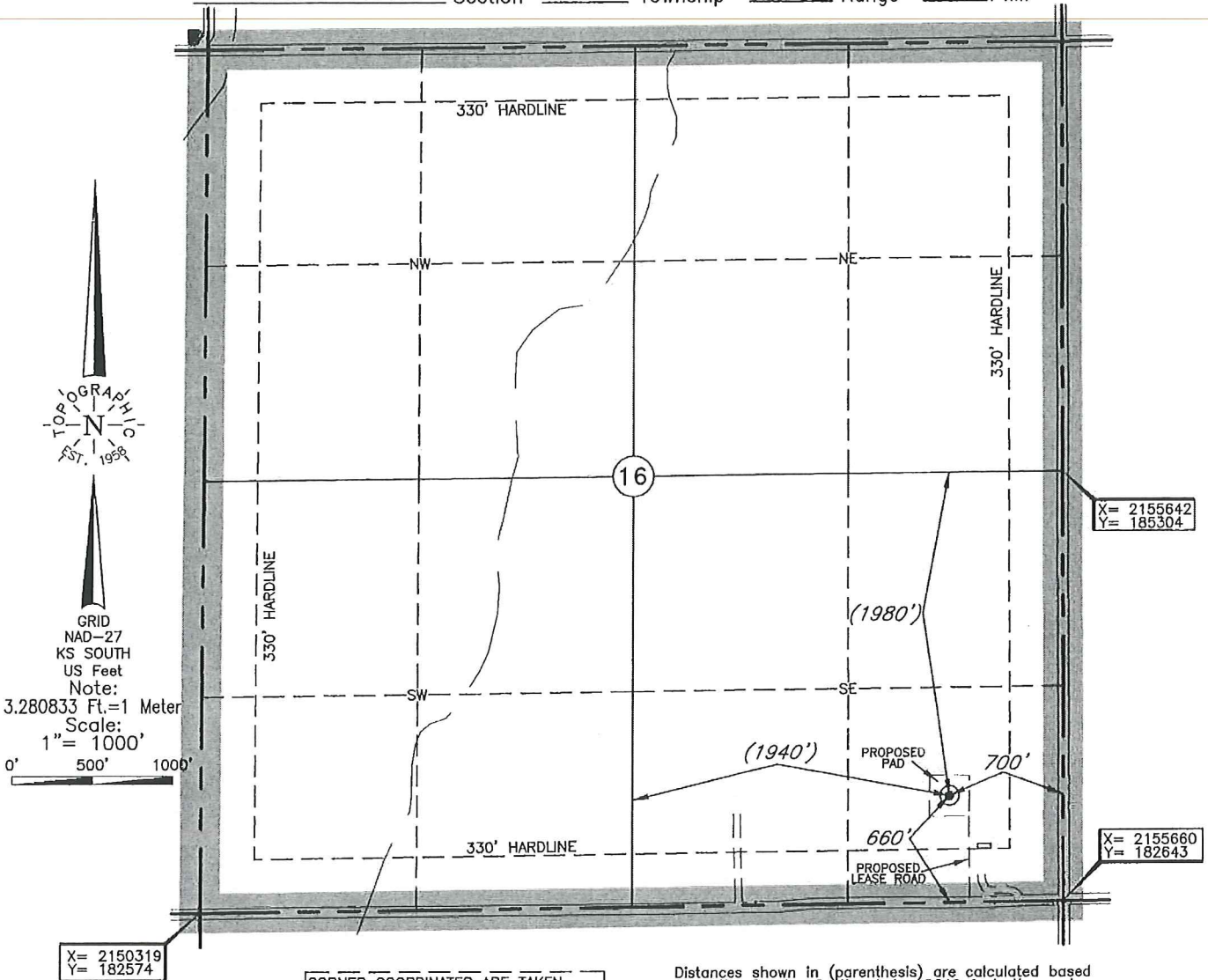
**TOPOGRAPHIC LAND SURVEYORS**

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

660'FSL - 700'FEL Section 16 Township 33S Range 6W P.M.



TOPOGRAPHIC  
 N  
 1958

GRID  
 NAD-27  
 KS SOUTH  
 US Feet  
 Note:  
 3.280833 Ft.=1 Meter  
 Scale:  
 1"= 1000'  
 0' 500' 1000'

X= 2150319  
 Y= 182574

X= 2155642  
 Y= 185304

X= 2155660  
 Y= 182643

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 GLO (General Land Office) distances and have NOT been measured on the ground.

Operator: SANDRIDGE EXPLORATION & PRODUCTION, LLC

Lease Name: CAROTHER BROTHERS A 3306

Well No.: 2-16

**ELEVATION:**  
 1334' Gr. at Stake

Topography & Vegetation Loc. fell in level wheat field, ±126' West of fence

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 Anthony, KS, go ±3.5 mi. East on St. Hwy. 44, then ±1.0 mi. North  
 to the SE Cor. of Sec. 16-T33S-R6W

DATUM: NAD-27  
 LAT: 37°10'07.8"N  
 LONG: 97°58'05.6"W  
 LAT: 37.168843057° N  
 LONG: 97.968231755° W  
 STATE PLANE  
 COORDINATES: (US Feet)  
 ZONE: KS SOUTH  
 X: 2154955  
 Y: 183294

Date of Drawing: Jun. 10, 2013  
 Invoice # 202244 Date Staked: Jun. 07, 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 ±1.0' accuracy.

**Permit Information**

**Carother Brothers A 3306 2-16 Well  
Harper County, KS**

**Unit Description:**

SandRidge has a lease covering 160.00 nma in SE/4 of Section 16, Township 33 South, Range 06 West located in Harper County, Kansas. We intend to drill this 160.00 nma into the Carother Brothers A 3306 2-16 Vertical well.

**Surface Owner: SE/4 of 16-33S-06W:**

Kenneth R. Carothers (1/2)  
224 S. Jefferson  
Anthony, Kansas 67003

Eugene H. Carothers (1/2)  
302 S. Jefferson  
Anthony, Kansas 67003

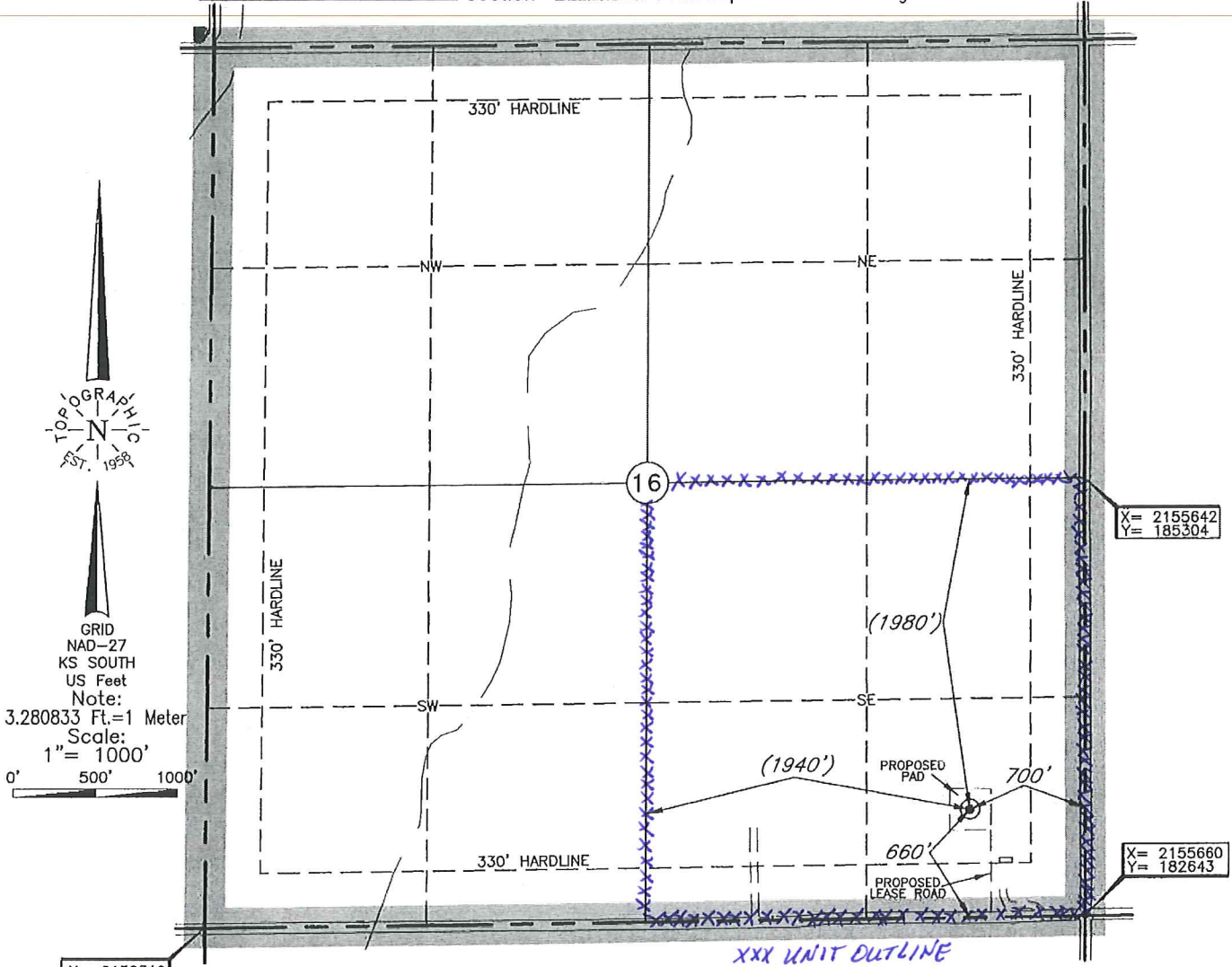
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HARPER

County, Kansas

660'FSL - 700'FEL Section 16 Township 33S Range 6W P.M.



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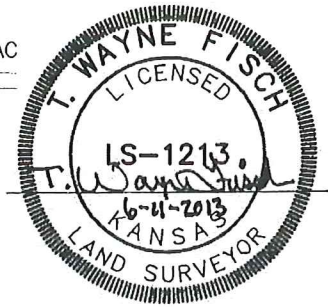
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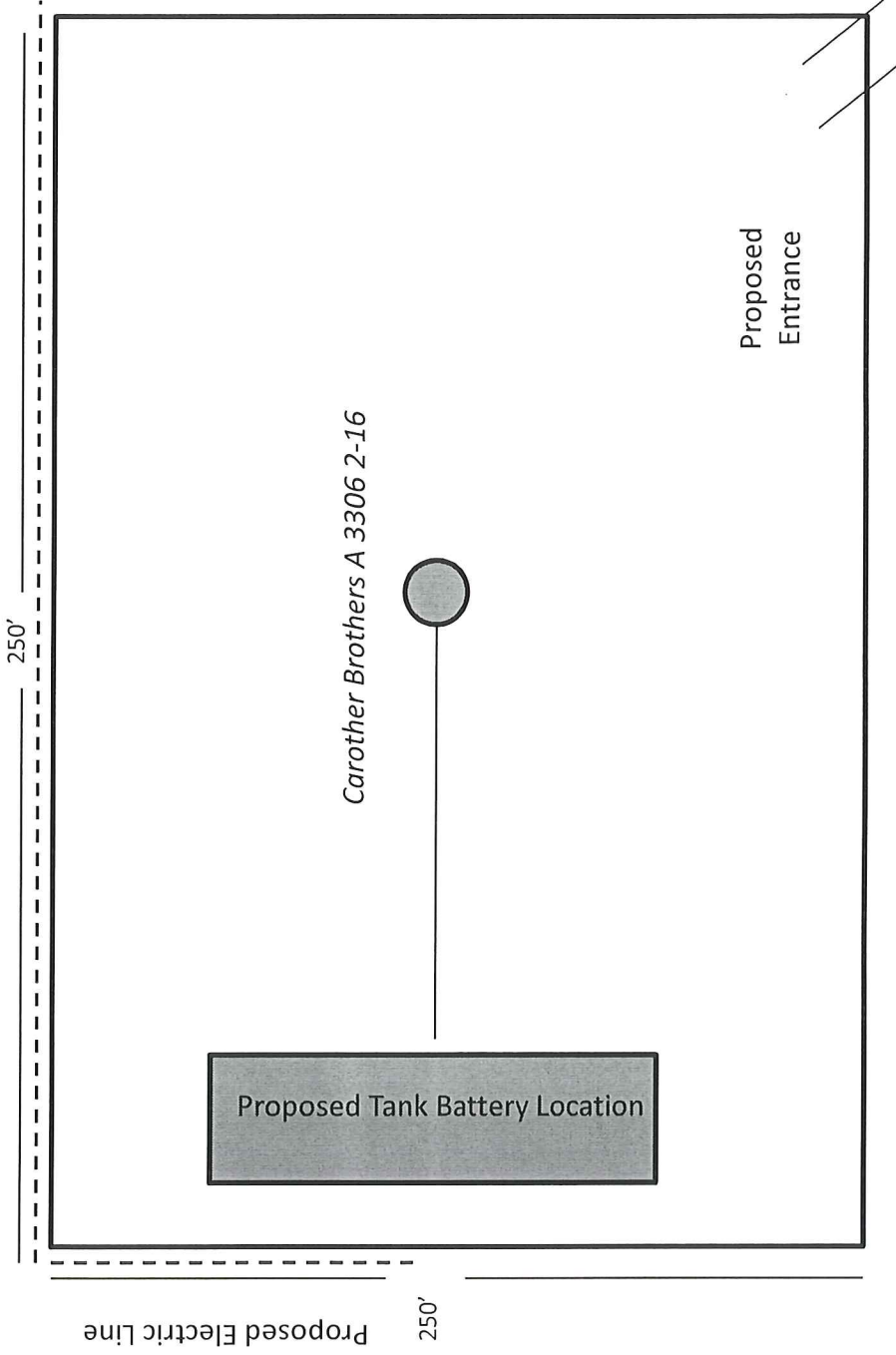
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Carother Brothers A 3306 2-16

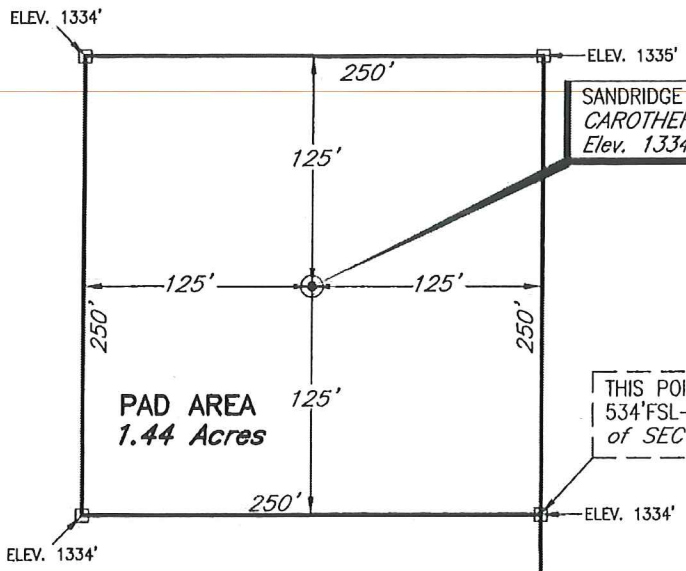




T 33 S - R 6 W

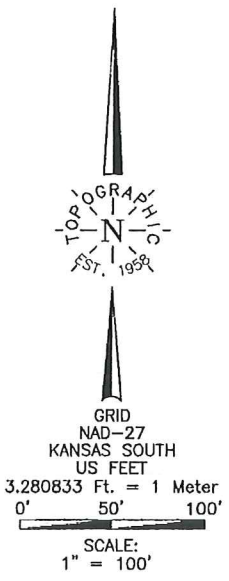
SANDRIDGE EXPLORATION & PRODUCTION, LLC  
 CAROTHER BROTHERS A 3306 2-16  
 Elev. 1334' Gr. at Stake

SECTION 16  
 SE/4



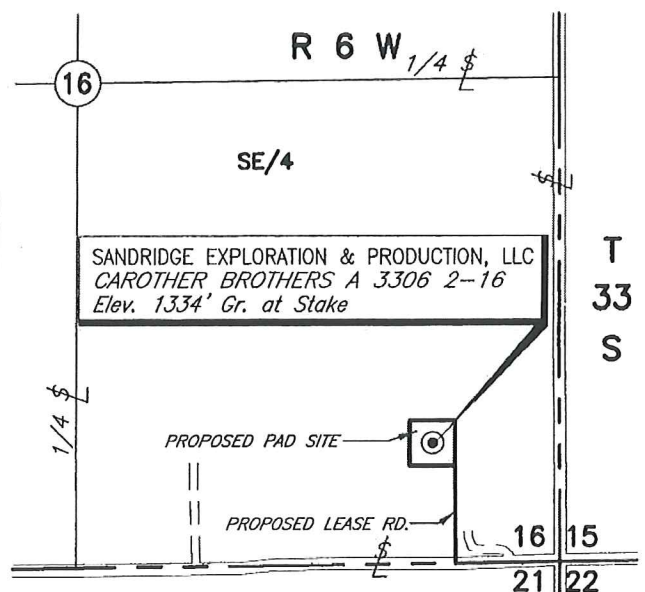
PAD AREA  
 1.44 Acres

LEASE ROAD TOTAL IN  
 SE/4 OF SEC. 16=  
 506' OR 30.67 RODS



PROPOSED LEASE ROAD  
 S 00°26' E - 506'

THIS POINT LIES  
 27'FSL-575'FEL  
 of SECTION 16



VICINITY MAP  
 Scale: 1" = 1000'

ELEV. 1334'

PLAT SHOWING  
 PROPOSED PAD AND LEASE ROAD  
 IN THE SE/4 OF SECTION 16,  
 T33S - R6W,  
 HARPER COUNTY, KANSAS

NO.	REVISION	DATE	BY
SURV. BY: RL 6/7/2013			
DRAWN BY: AC			
APPROVED BY: WF			

This plat was prepared exclusively for  
**SANDRIDGE EXPLORATION & PRODUCTION, LLC**  
 OKLAHOMA CITY, OKLAHOMA  
 and may not be relied upon by any other entity without the written consent of Topographic Land Surveyors of Oklahoma.  
 SURVEYING AND MAPPING BY  
**TOPOGRAPHIC LAND SURVEYORS**  
 6709 N. Classen, Okla. City, OK. 73116 (405) 843-4847  
 Certificate of Authorization No. LS-99, Exp. December 31, 2013

SCALE:	1"=100'
DATE:	6/11/2013
FILE:	L4195A.DWG
DRAWING NUMBER:	119024-L4-195-A
SHEET	1 OF 1



June 17, 2013

Eugene H Carothers  
302 S Jefferson  
Anthony, Kansas 67003

Re: KSONA-1 NOTIFICATION

Please find attached a draft copy of the Permit to Drill currently pending with the KCC for approval. SandRidge Energy plans to drill the Carother Brothers A 3306 2-16 located in Harper County, Kansas. You are listed as the contact for the current surface owner.

This notice is being provided pursuant to the Kansas Surface Owner Notice Act (House Bill 2032). If you have any questions, please contact us.

Sincerely,

A handwritten signature in blue ink that reads "Wanda Ledbetter". The signature is written in a cursive style.

Wanda Ledbetter  
Regulatory Analyst

Attach.



June 17, 2013

Kenneth R Carothers  
224 S Jefferson  
Anthony, Kansas 67003

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