

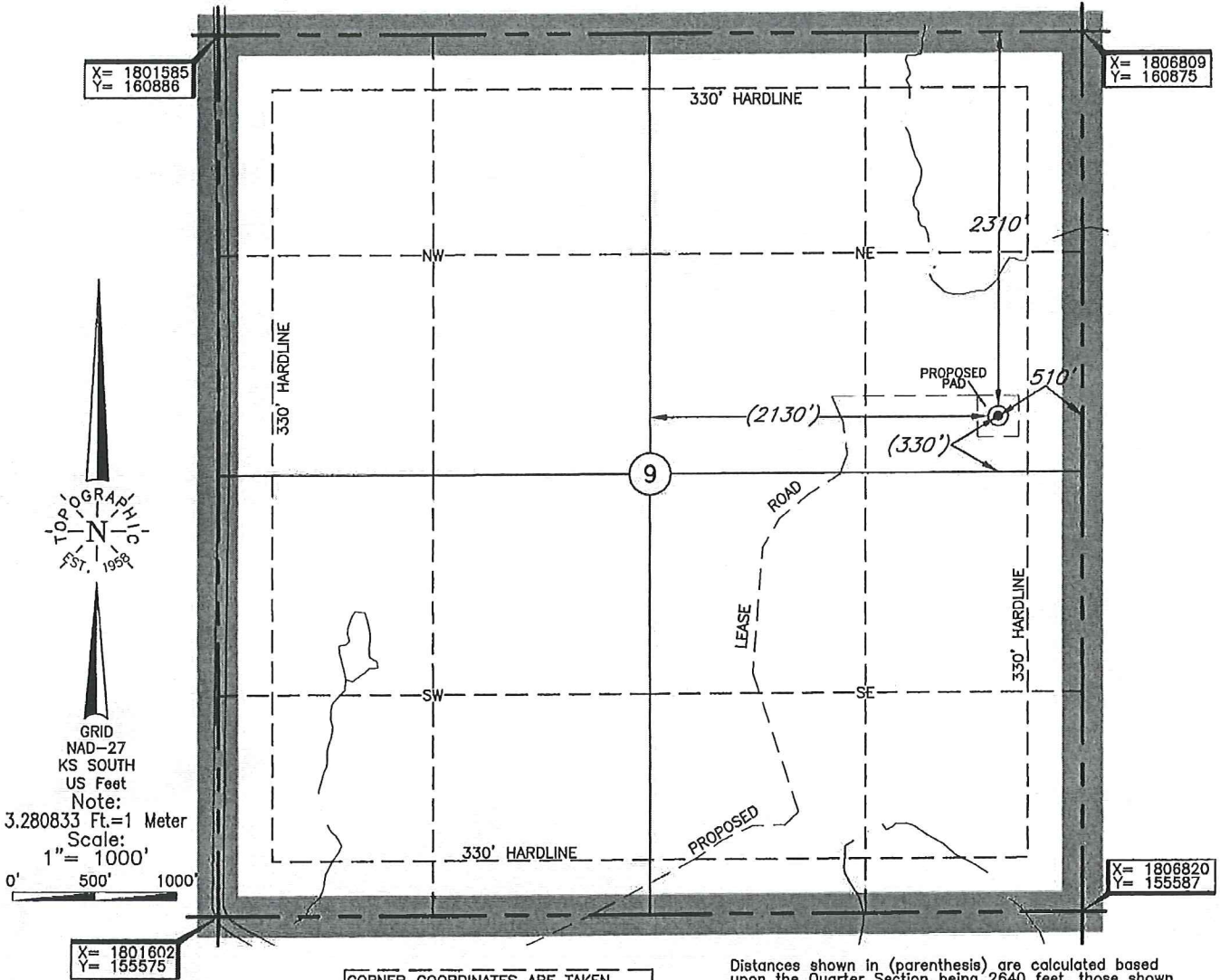
**TOPOGRAPHIC LAND SURVEYORS**

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

COMANCHE

County, Kansas

2310'FNL - 510'FEL Section 9 Township 34S Range 17W P.M.



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: CJR 3417

Well No.: 1-9

**ELEVATION:**

1770' Gr. at Stake

Topography & Vegetation Loc. fell in rolling sandy pasture

Good Drill Site?  Yes  No

Reference Stakes or Alternate Location Stakes Set  None  Other

Best Accessibility to Location From South off trail

Distance & Direction from Hwy Jct or Town From Jct. US Hwy. 183 and St. Hwy. 1 South, go ±2.0 mi. North, then ±9.0 mi. East, then ±7.0 mi. South, then ±1.0 mi. West, then 1.0 mi. South to the NW Cor. of Sec. 9-T34S-R17W

Date of Drawing: Apr. 18, 2013

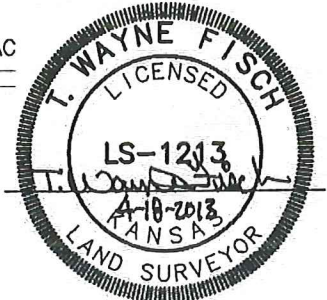
Invoice # 199859 Date Staked: Apr. 16, 2013

AC

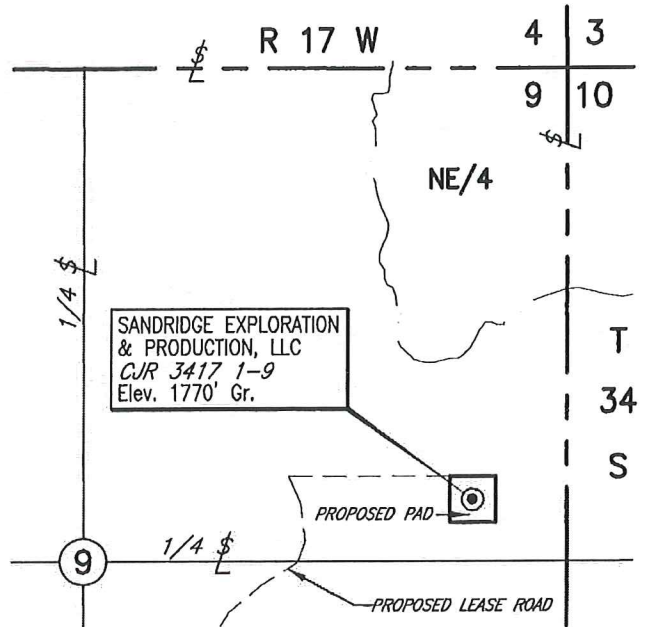
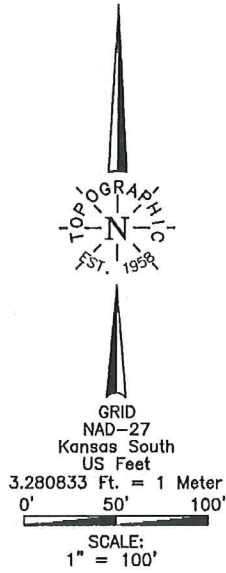
This information was gathered with a GPS receiver with ±1.0' accuracy.  
 DATUM: NAD-27  
 LAT: 37°06'00.9"N  
 LONG: 99°09'50.8"W  
 LAT: 37.100249492° N  
 LONG: 99.164105122° W  
 STATE PLANE COORDINATES: (US Feet)  
 ZONE: KS SOUTH  
 X: 1806304  
 Y: 158566

**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.

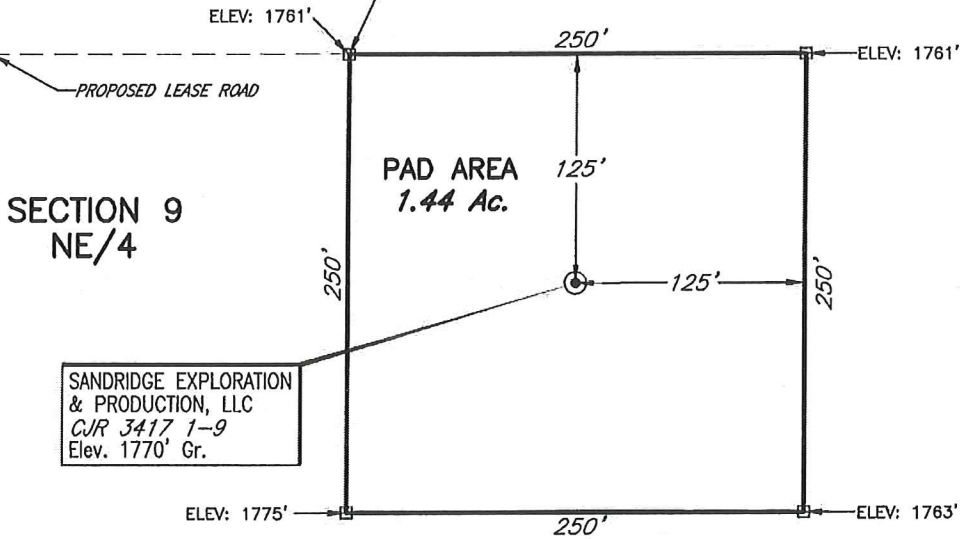


T 34 S - R 17 W



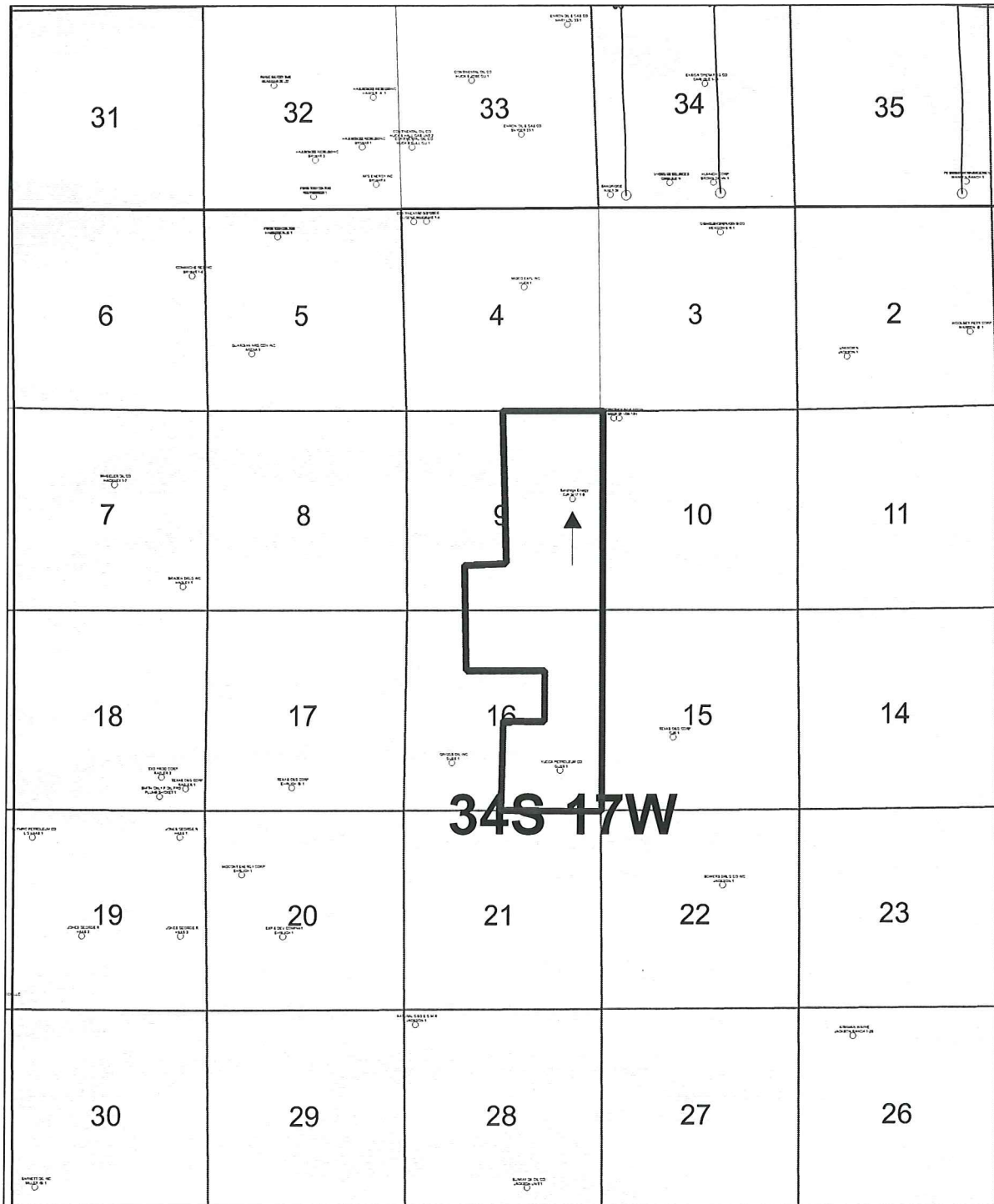
VICINITY MAP  
Scale: 1" = 1000'

This Point Lies  
635' FEL & 2185' FNL  
of Section 9



PLAT SHOWING  
PROPOSED PAD IN THE  
NE/4 OF SECTION 9, T34S - R17W  
COMANCHE COUNTY, KANSAS

				This plot was prepared exclusively for <b>SANDRIDGE EXPLORATION &amp; PRODUCTION, LLC</b> OKLAHOMA CITY, OKLAHOMA		SCALE: 1" = 100'	
				and may not be relied upon by any other entity without the written consent of Topographic Land Surveyors		DATE: 4-18-13	
NO.	REVISION	DATE	BY	<b>TOPOGRAPHIC LAND SURVEYORS</b> 6709 N. Classen, Okla. City, OK. 73116 (405) 843-4847 Certificate of Authorization No. LS-99, Exp. December 31, 2013		FILE: L4165A.DWG	
SURV. BY: RL 4-16-13			DRAWING NUMBER: 119024-L4-165-A				
DRAWN BY: AC			SHEET 1 OF 3				
APPROVED BY: WF							



- PRODUCING ZONE**
- NON MSSP
  - ST GENEVIEVE
  - ST LOUIS
  - SPERGEN
  - WARSAW
  - OSAGE
  - OSAGE M
  - KINDERHOOK

**WELL NAME**

- Cum Oil (MBO)
- Cum Gas (BCF)
- Total Depth



**SANDRIDGE**  
THE POWER OF US

**CJR 3417 1-9**  
Comanche Co., Kansas  
Unit Outline

MapFile.gmp

Date: 25 April, 2013    Geol: Maggie Roden

**CJR 3417 1-9**

**Lease Information Sheet**

**Unit Description:**

E/2 and SE/4 SW/4 of Section 9-34S-17W and the NW/4 NE/4; SE/4 NE/4; NE/4 NW/4; NE/4 NE/4 and that part of the SE/4 lying east of the road in Section 16-34S-17W.

Comanche County, KS

**Surface Owner:**

Crossed J Ranch, Inc.

P O Box 357

Coldwater, KS 67029