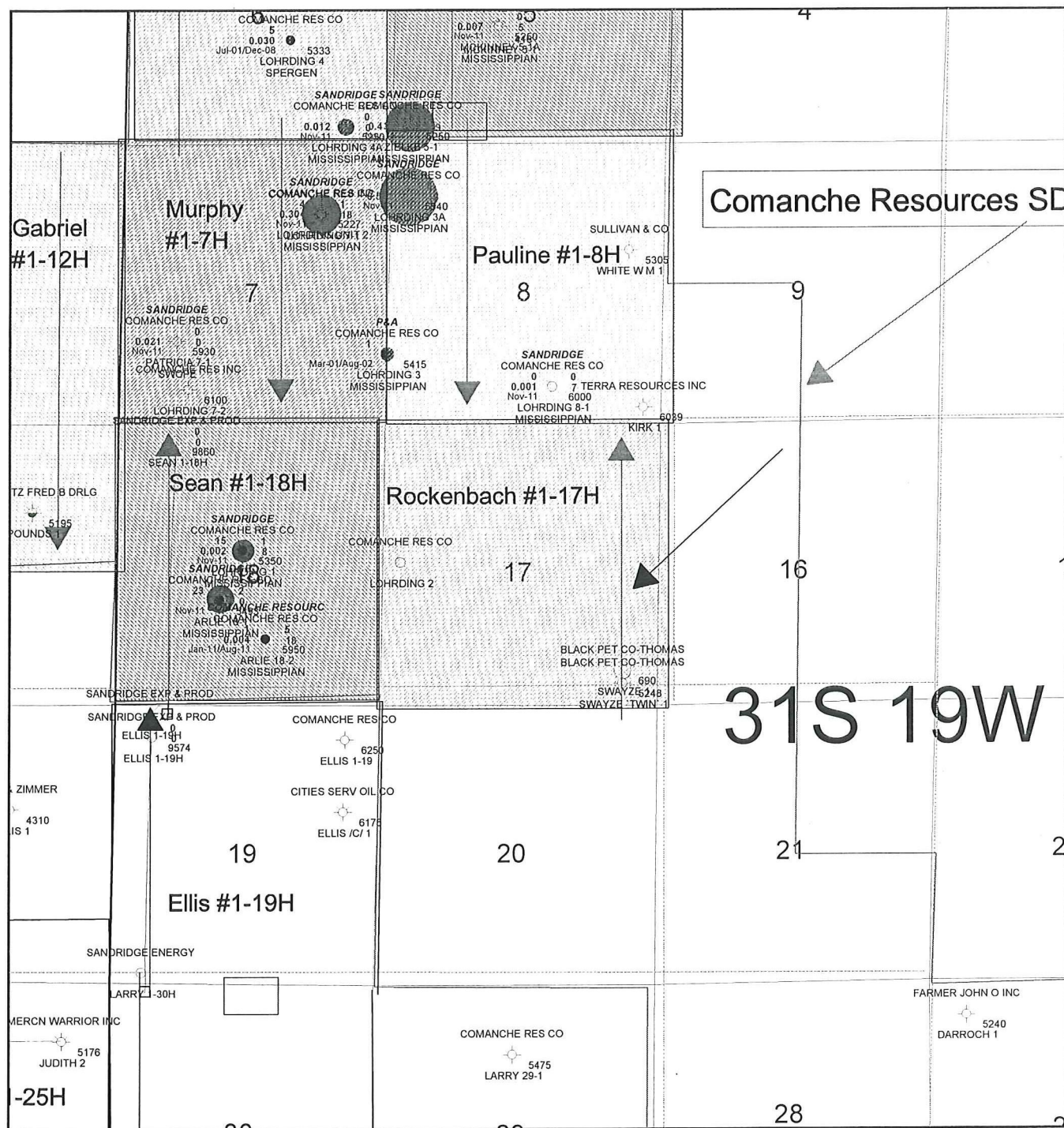
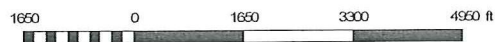
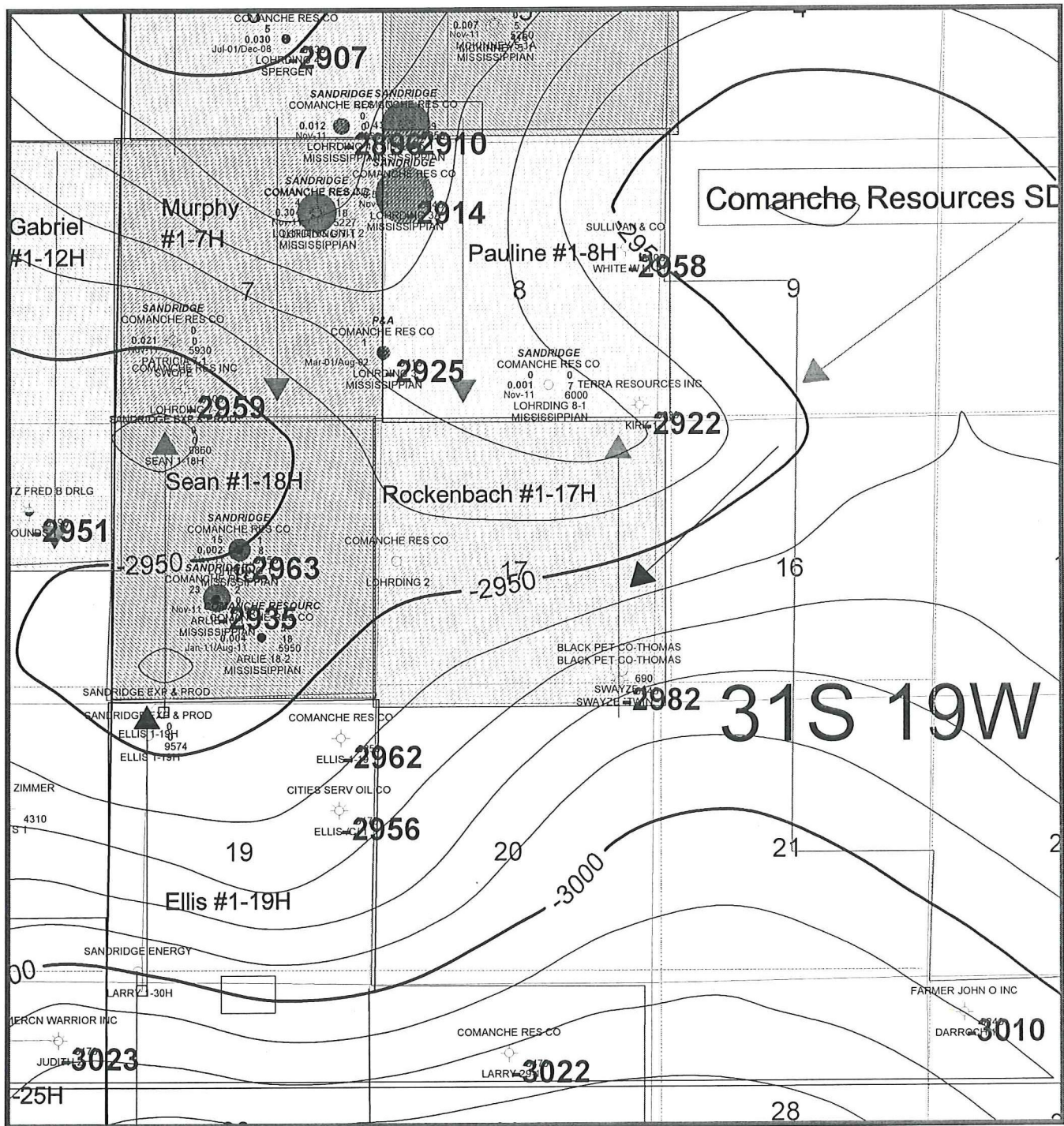




- Mississippi Gas Production
- Mississippi Oil Production



**Rockenbach #1-17H**  
 17 & 20-T31S-19W  
 Comanche County, KS  
 Location/Production Map  
 Date: 27 December, 2011 Geologist: K. Gentry



- Mississippi Gas Production
- Mississippi Oil Production

**SANDRIDGE**  
ENERGY

**Rockenbach #1-17H**  
17 & 20-T31S-19W  
Comanche County, KS

Structure Map - T. Mississippi Unconformity  
C1 = 10'

Rockenbach #1-17H St Map - T. Mississippi Unconformity 12-27-11 K2.gps  
Date: 27 December, 2011 | Geologist: K. Gentry

# TOPOGRAPHIC LAND SURVEYORS

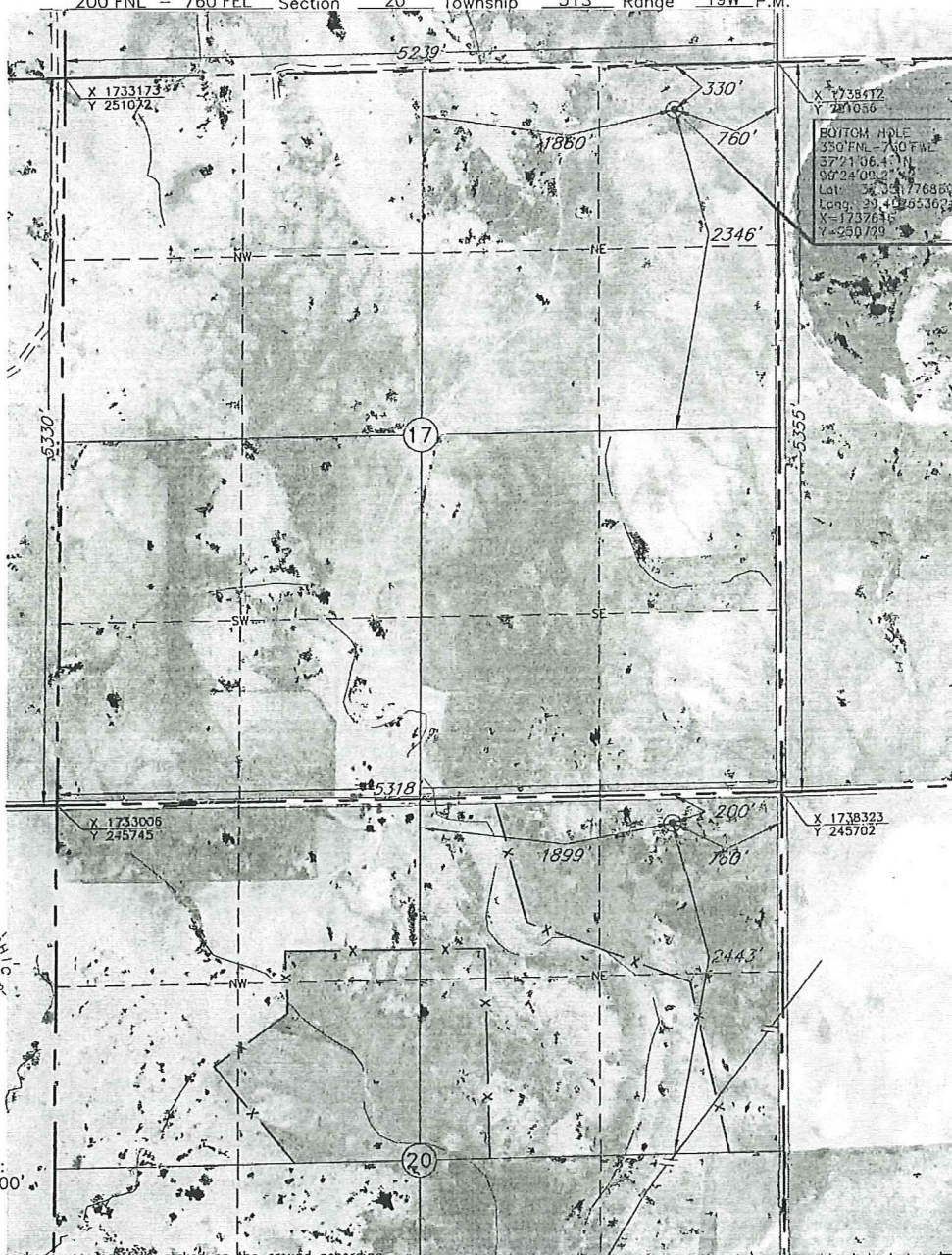
6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 • LOCAL (405) 843-4847 • OUT OF STATE (800) 654-3219  
Certificate of Authorization No. LS-99, Exp. Dec 31, 2011

COMANCHE

County, Kansas

200'FNL - 760'FEL Section 20 Township 31S Range 19W P.M.

BOTTOM HOLE INFORMATION PROVIDED  
BY OPERATOR LISTED.  
CORNER COORDINATES ARE TAKEN  
FROM POINTS SURVEYED IN THE FIELD.



This location has been very carefully staked on the ground according to the best official survey records, maps, and photographs available to us, but its accuracy is not guaranteed. Review this plat and notify us immediately of any possible discrepancy.

Distances shown in (parenthesis) are calculated based upon the Quarter Section being 2640 feet, and have not been measured.

Operator: SANDRIDGE ENERGY, INC.

Lease Name: ROCKENBACH

Well No.: 1-17H

ELEVATION:

2161' Gr. at Stake

Topography & Vegetation Loc. fell in terraced pasture

Good Drill Site? ☒ Yes

Reference Stakes or Alternate Location  
Stakes Set ☒ None

Best Accessibility to Location From North

Distance & Direction  
from Hwy Jct or Town From Jct. US Hwy. 183 and US Hwy. 160 East, go 4.0 mi. North,  
then 4.0 mi. West to the NE Cor. of Sec. 20-T31S-R19W

The following information was  
gathered using a GPS receiver  
Accuracy ±2-3 Meters.

Date of Drawing: Oct. 17, 2011

Invoice # 174145

Date Staked: Oct. 12, 2011

AC

GPS

DATUM: NAD-27

LAT: 37°20'14.8"N

LONG: 99°24'09.6"W

LAT: 37.337436021

LONG: 99.402679012

STATE PLANE COORDINATES:

ZONE: KS SOUTH

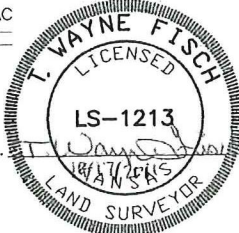
X: 1737559

Y: 245508

## CERTIFICATE:

I, T. Wayne Fisch a Registered 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.

Kansas Reg. No. 1213



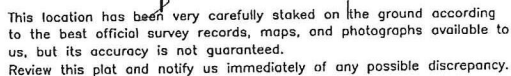
6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 • LOCAL (405) 843-4847 • OUT OF STATE (800) 654-3219  
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Certificate of Authorization No. LS-99, Exp. Dec 31, 2011

COMANCHE

County, Kansas

200'FNL ~ 760'FEL Section 20 Township 31S Range 19W P.M.



Lease Name: ROCKENBACH

2161' Gr. at Stake

Topography & Vegetation Loc. fell in terroced pasture

Reference Stakes or Alternate Location  
Stakes Set None

Distance & Direction  
from Hwy Jct or Town From Jct. US Hwy. 183 and US Hwy. 160 East, go 4.0 mi. North,  
then 4.0 mi. West to the NE Cor. of Sec. 20-T31S-R19W

The following information was gathered using a GPS receiver  
Accuracy  $\pm 2-3$  Meters.

$$\begin{array}{r} X: 1737333 \\ Y: 245508 \end{array}$$

Date Staked: Oct. 12, 2011

AC

I, T. Wayne Fisch a Registered 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.

Kansas Reg. No. 1213



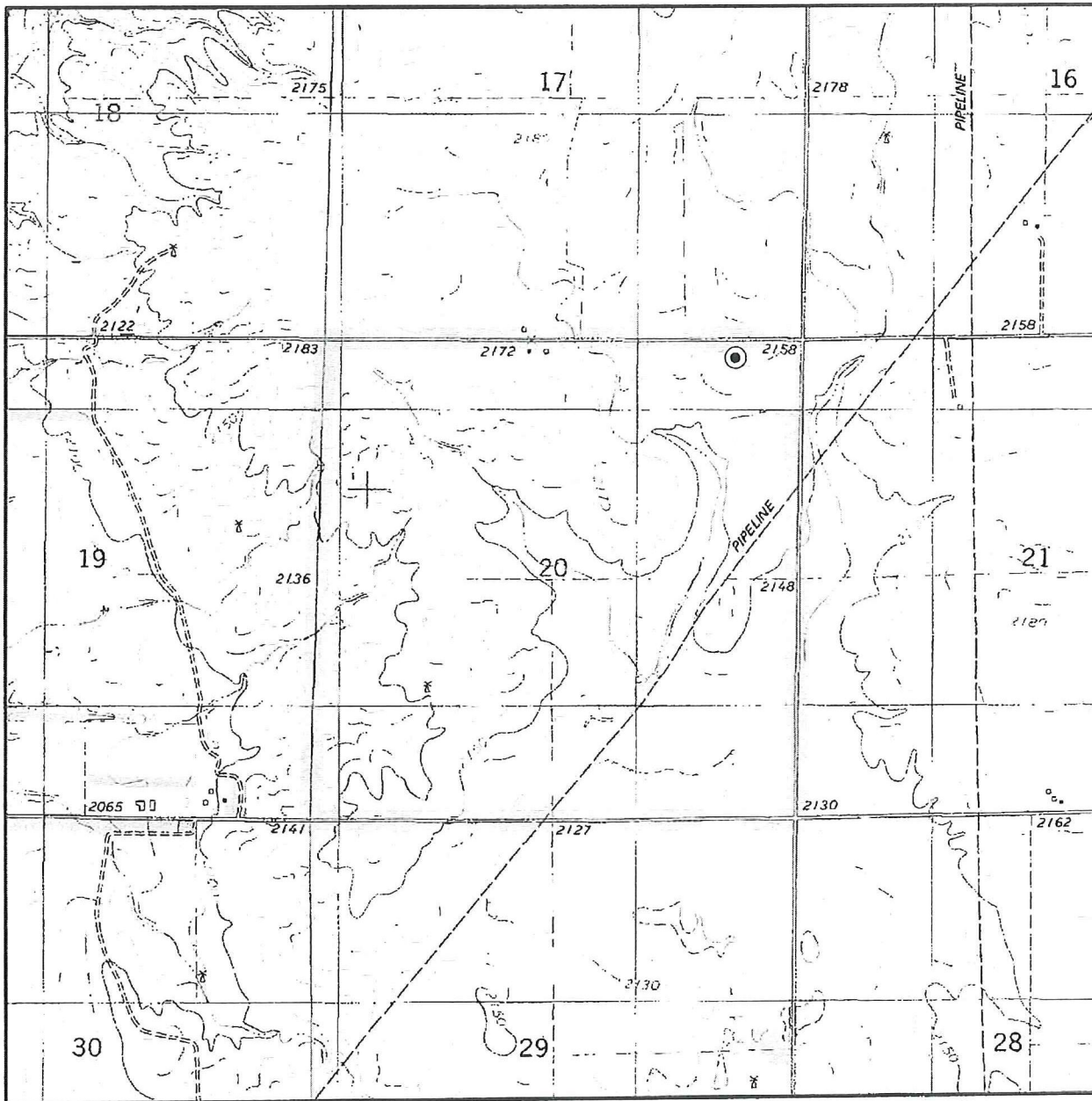
# TOPOGRAPHIC LAND SURVEYORS

Surveying and Mapping for the Energy Industry

6709 North Classen Blvd. Oklahoma City, OK 73116 www.topographic.com

Telephone Numbers: Local (405) 843-4847 Toll Free (800) 654-3219

## LOCATION & ELEVATION VERIFICATION MAP



Sec. 20 Twp. 31S Rng. 19W

County COMANCHE State KS

Operator SANDRIDGE ENERGY, INC.

Description 200'FNL - 760'FEL

Lease ROCKENBACH 1-17H

Elevation 2161' Gr. at Stake

U.S.G.S. Topographic  
Quadrangle Map EAST KIOWA CREEK SOUTH, KS

Above Background Data from  
U.S.G.S. Topographic Map  
Scale: 1"=2000'

Contour Interval 10'

This location has been very carefully staked on the ground according to the best official survey records, maps and photographs available to us, but its accuracy is not guaranteed. When elevation is shown hereon it is the ground elevation of the location stake.  
Review this plat and inform us immediately of any possible discrepancy.

**TOPOGRAPHIC**

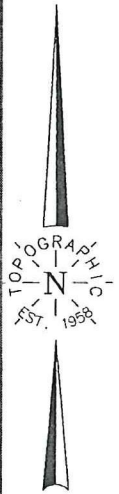
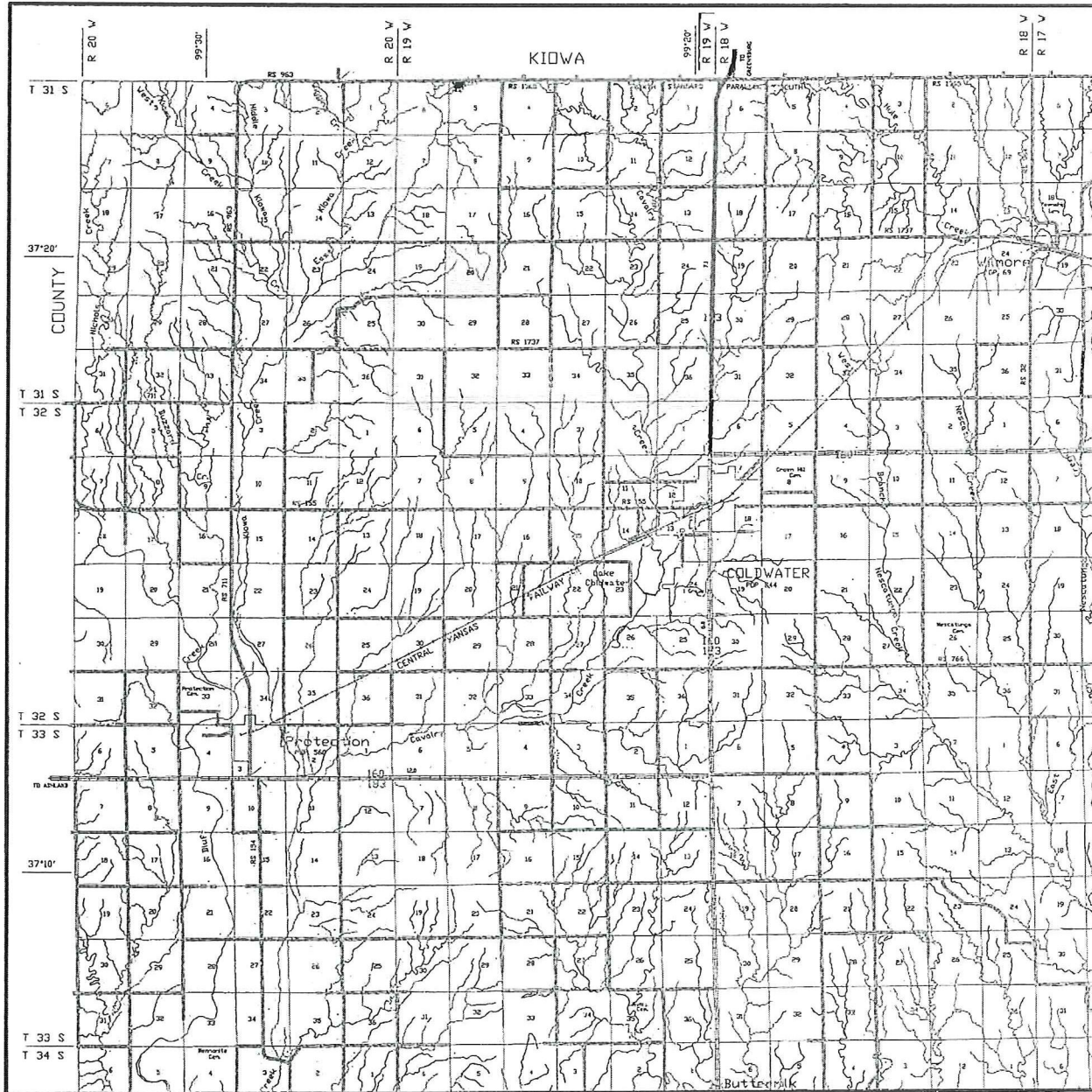
SURVEYING • MAPPING • GIS • GPS

Oct. 12, 2011

# TOPOGRAPHIC LAND SURVEYORS

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6709 North Classen Blvd. Oklahoma City, OK 73116 www.topographic.com  
Telephone Numbers: Local (405) 843-4847 Toll Free (800) 654-3219

## VICINITY MAP



Scale: 1" = 3 Miles

Sec. 20 Twp. 31S Rng. 19W

County COMANCHE State KS

Operator SANDRIDGE ENERGY, INC.

**TOPOGRAPHIC**  
SURVEYING • MAPPING • GIS • GPS