

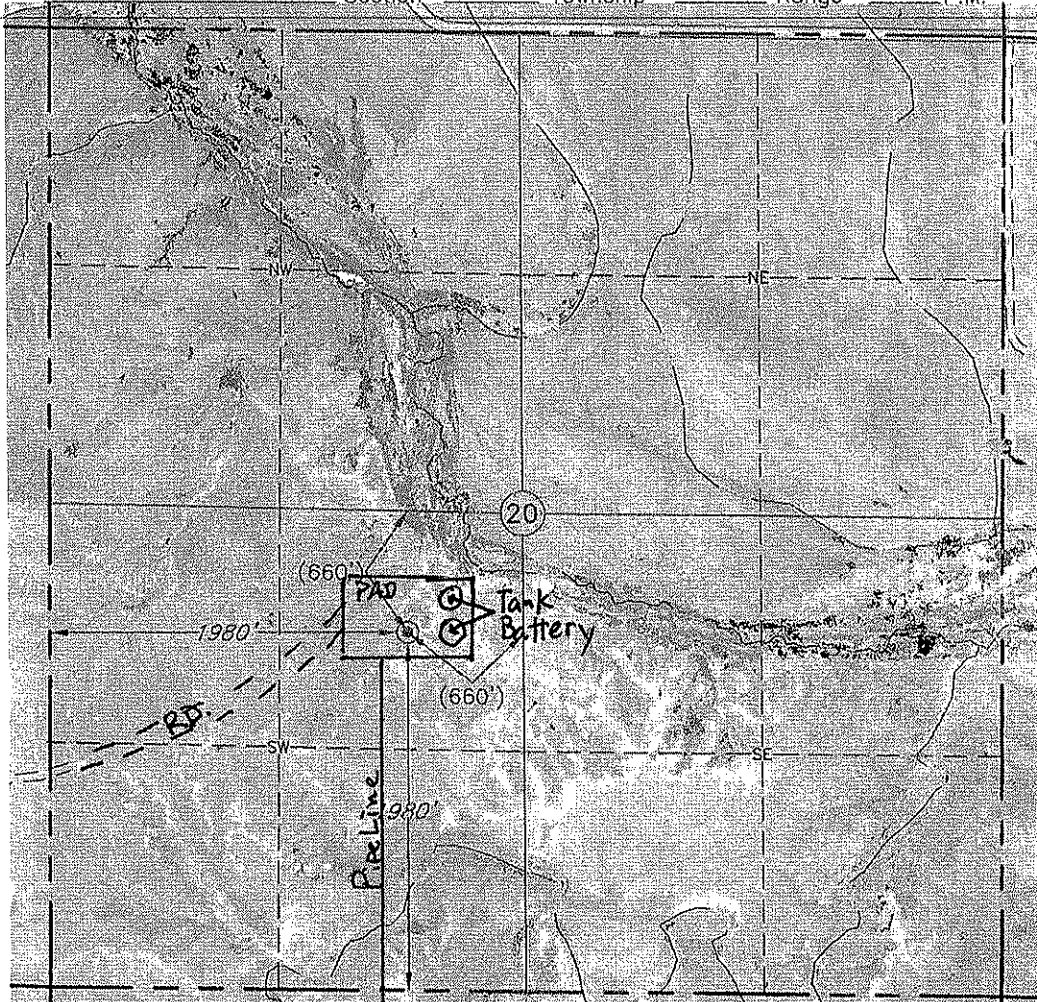
TOPOGRAPHIC LAND SURVEYORS

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, 2010

MEADE

County, Kansas

1980' FSL-1980' FWL Section 20 Township 34S Range 27W P.M.



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: APACHE CORPORATION
 Lease Name: O'BRIEN

Well No.: 1-20

ELEVATION:
2283' Gr. at Stake

Topography & Vegetation Loc. fell in rough hills sandy pasture

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

Best Accessibility to Location From Southwest or North

Distance & Direction From Meade, KS., go ±13 miles South, then ±3.5 miles East,
then ±1 mile South, then 1 mile SW thru Sec. 20 to the SW Cor. Sec. 20-T34S-R27W

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

GPS
 DATUM: NAD-27
 LAT: 37°04'22.1"N
 LONG: 100°16'55.1"W
 STATE PLANE
 COORDINATES:
 ZONE: KS-SOUTH
 X: 1480101
 Y: 152855

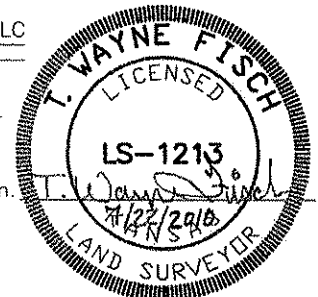
Date of Drawing: Jul. 21, 2010

Invoice # 157670 Date Staked: Jul. 19, 2010 LC

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



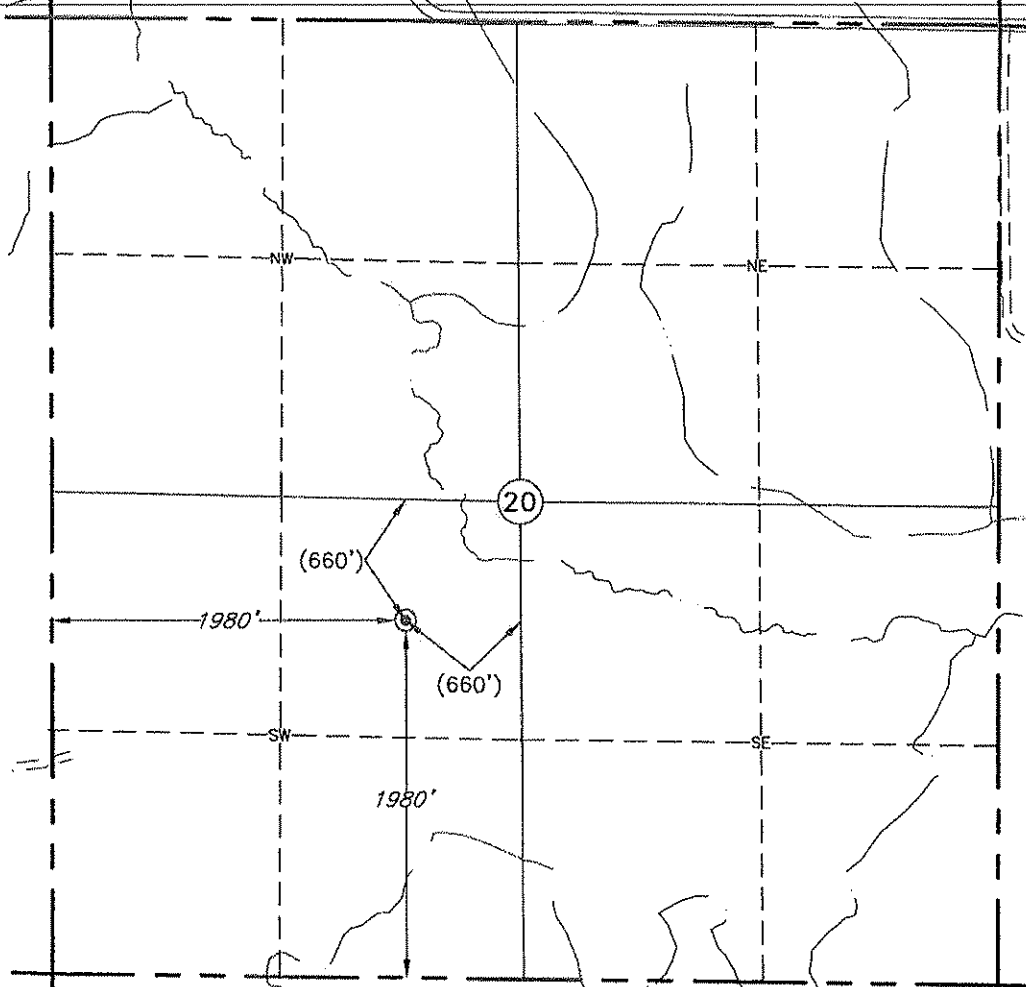
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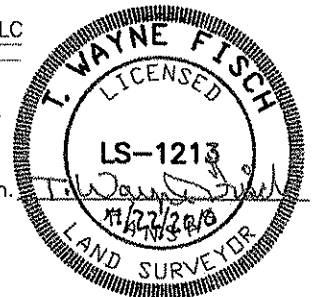
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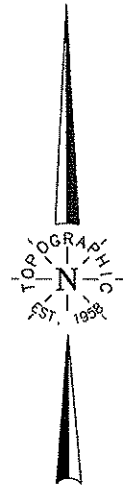
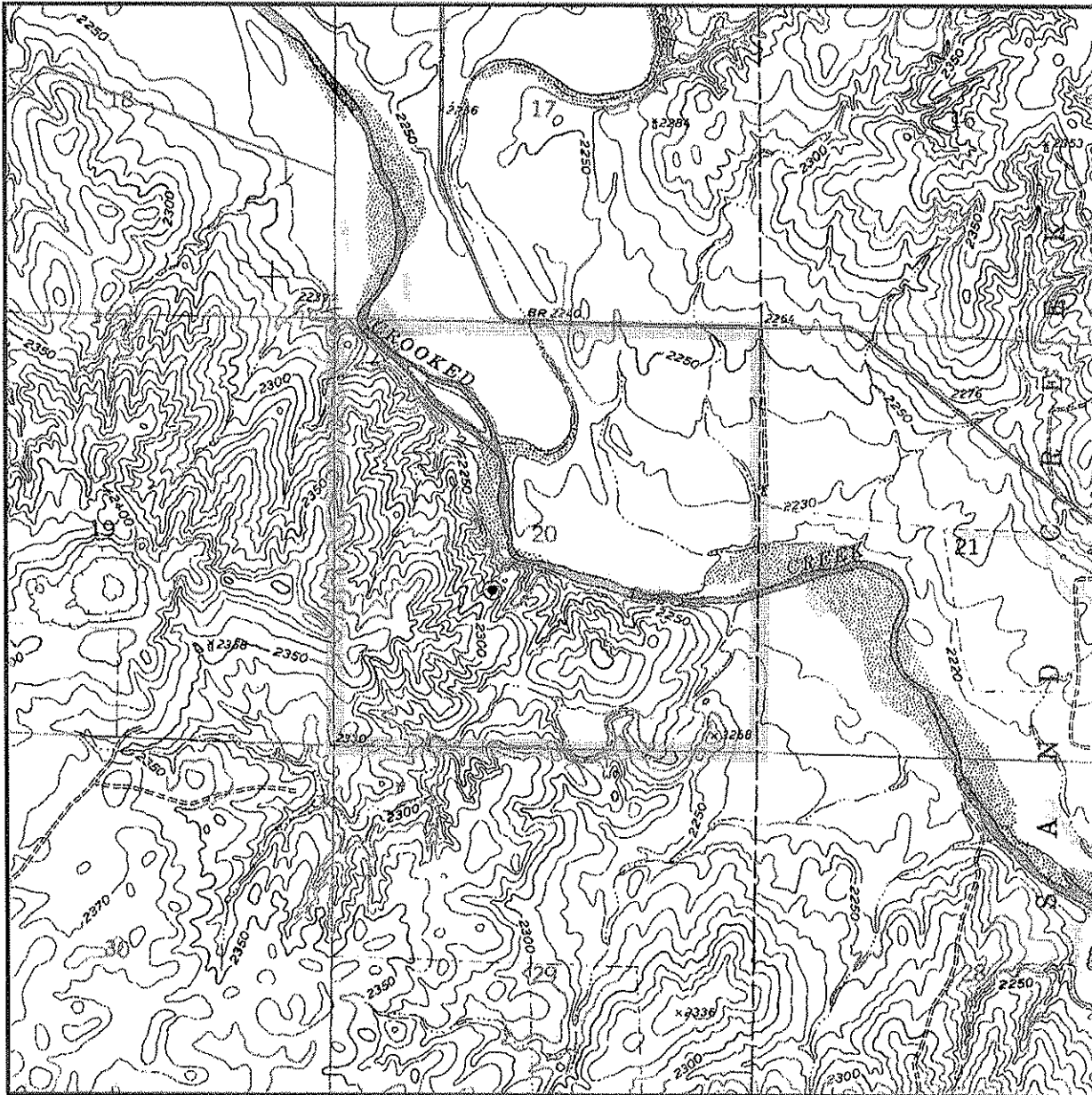
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TOPOGRAPHIC LAND SURVEYORS

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. 34S Rng. 27W

County MEADE State KS

Operator APACHE CORPORATION

Description 1980'FSL-1980'FWL

Lease O'BRIEN 1-20

Elevation 2283' Gr. at Stake

U.S.G.S. Topographic
Quadrangle Map IRISH FLATS SE, KS

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

Contour Interval 10'

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Review this plat and inform us immediately of any possible discrepancy.

TOPOGRAPHIC
SURVEYING • MAPPING • GIS • GPS

Jul. 19, 2010

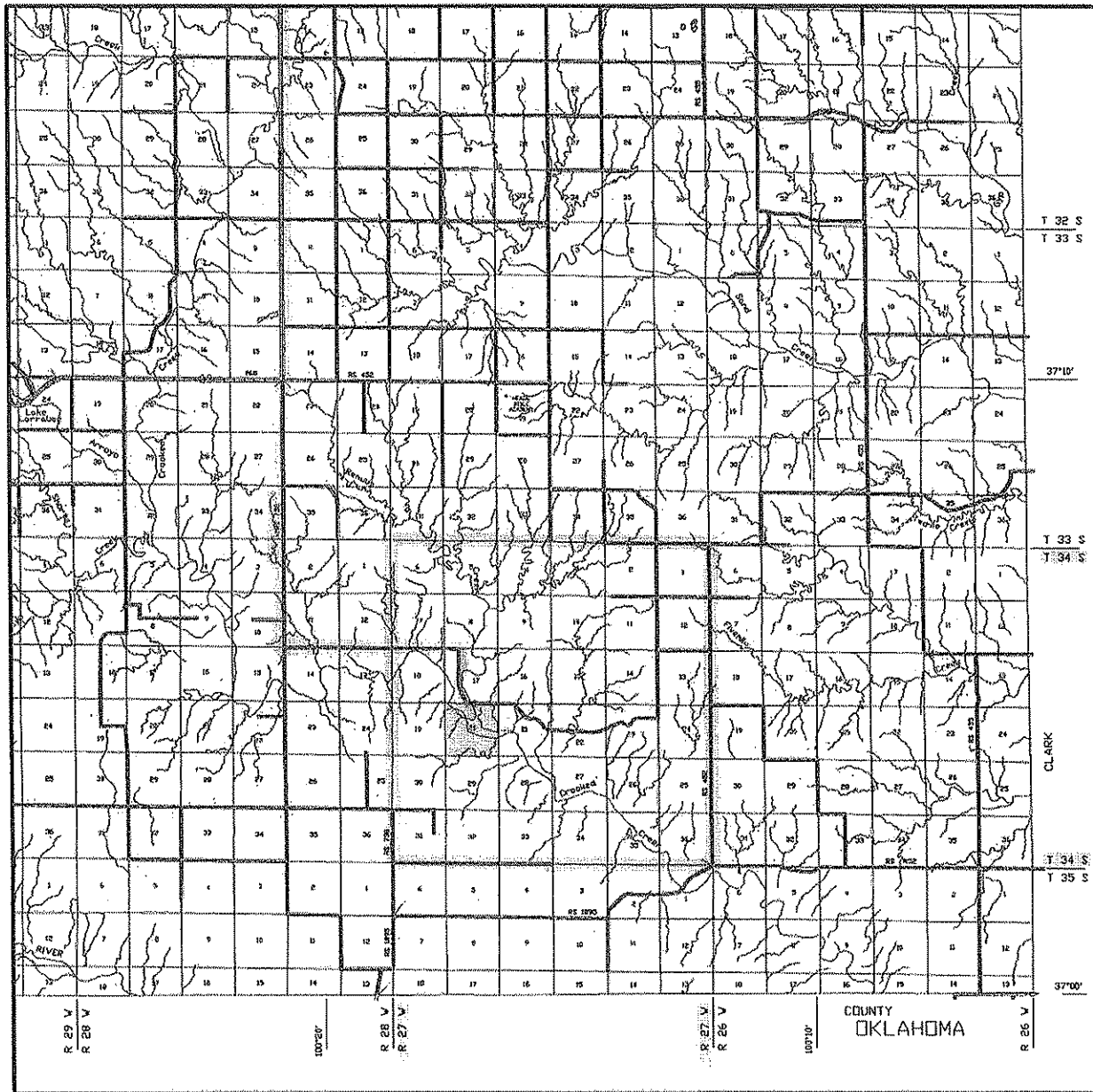
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VICINITY MAP



Scale: 1" = 3 Miles

Sec. 20 Twp. 34S Rng. 27W

County MEADE State KS

Operator APACHE CORPORATION

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SURVEYING • MAPPING • GIS • GPS