

OKLAHOMA CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
P.O. BOX 52000  
OKLAHOMA CITY, OK 73152-2000  
(Rule 165:10-3-1)

API NUMBER: 133 25269

Approval Date: 01/03/2018

Expiration Date: 07/03/2018

Straight Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 36 Twp: 9N Rge: 6E County: SEMINOLE  
SPOT LOCATION:  C  SW  NW  SE FEET FROM QUARTER: FROM SOUTH FROM EAST  
SECTION LINES: 1650 2310

Lease Name: ABIAKA Well No: 1-36 Well will be 330 feet from nearest unit or lease boundary.

Operator Name: BLACKSTONE SEMINOLE LLC Telephone: 7136006220 OTC/OCC Number: 24108 0

BLACKSTONE SEMINOLE LLC  
600 TRAVIS ST STE 300  
HOUSTON, TX 77002-2931

MICHAEL L AND ANN GAVIN  
35876 EAST HWY 270  
TRUSTEES GAVIN FAMILY REVOCABLE TRUST  
SEMINOLE OK 74868

Formation(s) (Permit Valid for Listed Formations Only):

Name	Depth	Name	Depth
1 WEWOKA	1600	6 UNION VALLEY-CROMWELL	3700
2 CALVIN	2050	7 MISENER	3900
3 SENORA	2700	8 HUNTON	4000
4 EARLSBORO	2900	9 WILCOX	4100
5 BOOCH	3250	10	

Spacing Orders: 256718

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 4500

Ground Elevation: 849

**Surface Casing: 1010**

Depth to base of Treatable Water-Bearing FM: 950

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

Approved Method for disposal of Drilling Fluids:

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 8000 Average: 5000

Is depth to top of ground water greater than 10ft below base of pit? Y

Within 1 mile of municipal water well? N

Wellhead Protection Area? N

Pit is located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

H. CLOSED SYSTEM=STEEL PITS (REQUIRED - WEWOKA CREEK)

E. Haul to Commercial pit facility: Sec. 19 Twn. 8N Rng. 5E Cnty. 125 Order No: 274874

Notes:

This permit does not address the right of entry or settlement of surface damages.  
The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.  
Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

133 25269 ABIAKA 1-36

Category	Description
HYDRAULIC FRACTURING	<p>10/5/2017 - G71 - OCC 165:10-3-10 REQUIRES:</p> <p>1) PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE;</p> <p>2) WITH NOTICE ALSO GIVEN 48 HOURS IN ADVANCE OF HYDRAULIC FRACTURING ALL WELLS TO BOTH THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES, USING THE "FRAC NOTICE FORM" FOUND AT THE FOLLOWING LINK: <a href="http://OCCEWEB.COM/OG/OGFORMS.HTML">OCCEWEB.COM/OG/OGFORMS.HTML</a>; AND,</p> <p>3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION THE HYDRAULIC FRACTURING OPERATIONS, USING THE FOLLOWING LINK: <a href="http://FRACFOCUS.ORG">FRACFOCUS.ORG</a></p>
SPACING	10/9/2017 - G58 - EARLSBORO UNSPACED; 160 ACRE LEASE (SE4)
SPACING - 256718	<p>10/9/2017 - G58 - (20) SE4 36-9N-6E SU NE/SW  EXT 171130 HNTN, WLCX  EST WWOK, CLVN, SNOR, BOCH, UVCM, MSNR, OTHERS</p>

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**TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA**

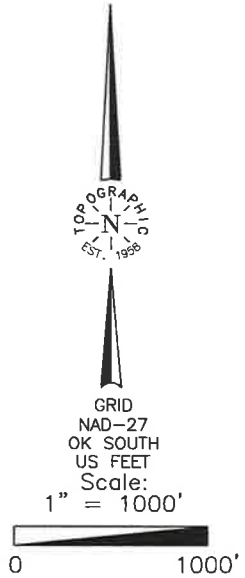
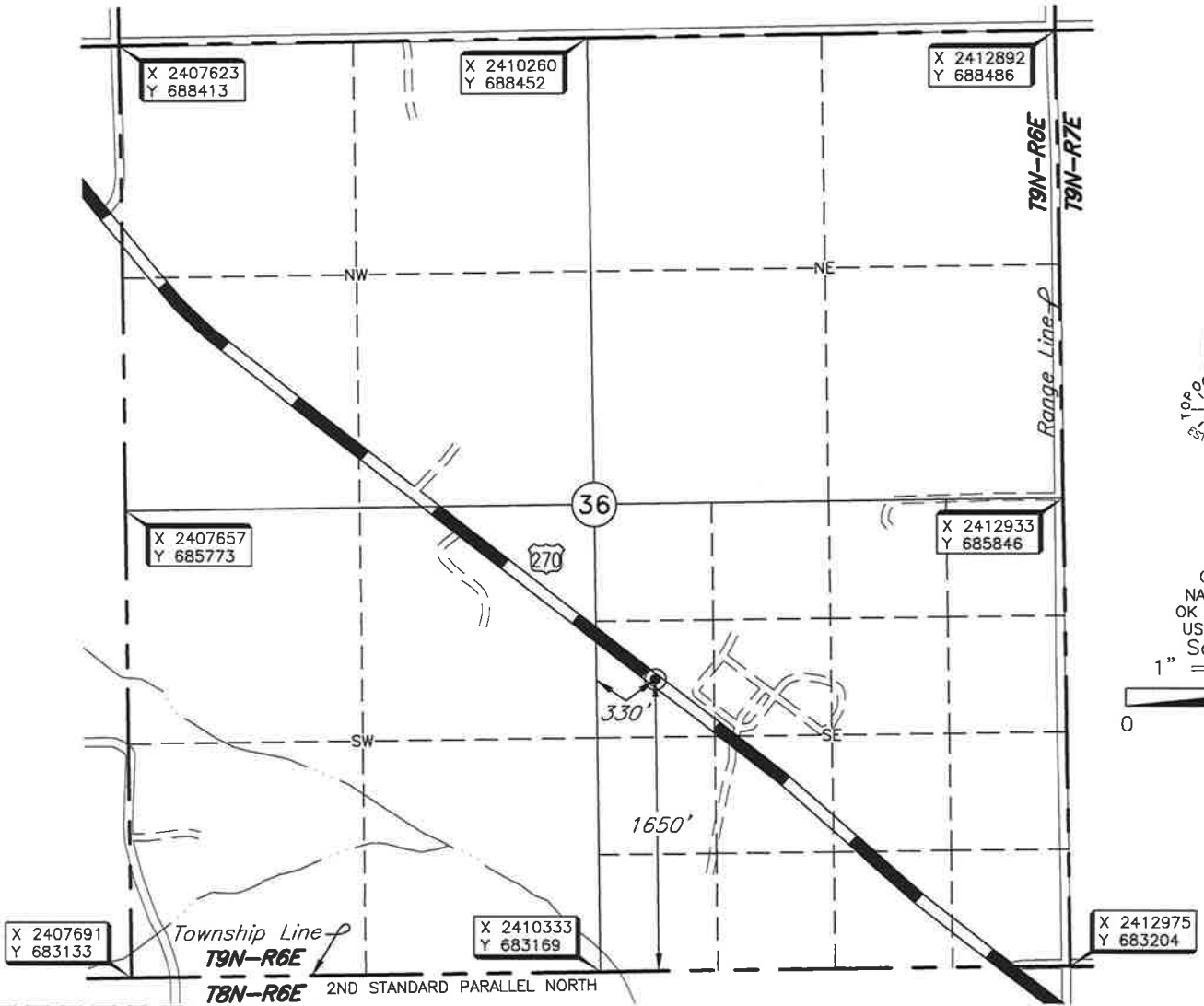
6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 \* LOCAL (405) 843-4847 \* OUT OF STATE (800) 654-3219  
 Certificate of Authorization No. 1293 LS

SEMINOLE

County, Oklahoma

133-25269

1650' FSL-330' FWL-SE/4 Section 36 Township 9N Range 6E I.M.



**NOTES:**  
 1. THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY.  
 2. PROPOSED WELL STAKE NOT SURVEYED IN THE FIELD.

Operator: BLACKSTONE SEMINOLE, LLC.  
 Lease Name: ABIKA Well No.: 1-36

**ELEVATION:**  
N/A

Topography & Vegetation N/A

Good Drill Site? N/A Reference Stakes or Alternate Location Stakes Set None

Best Accessibility to Location From South off US Hwy 270

Distance & Direction from Hwy Jct or Town From the junction of US Hwy 270/St. Hwy 9 & St. Hwy 3 in Seminole, Oklahoma, go ± 5 miles South-Southeast on US Hwy 270 to the Southeast Corner of Section 36, T9N-R6E.

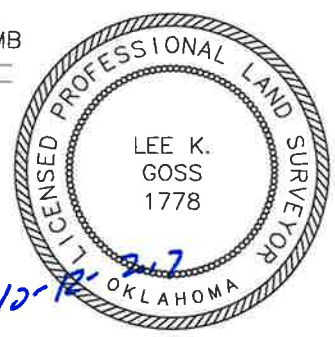
DATUM: NAD-27  
 LAT: 35°12'26.8" N  
 LONG: 96°37'31.5" W  
 LAT: 35.207435671° N  
 LONG: 96.625423364° W  
 STATE PLANE COORDINATES (US FEET):  
 ZONE: OK SOUTH  
 X: 2410640  
 Y: 684823

Date of Drawing: Oct. 12, 2017  
 Invoice # 282416B Date Staked: N/A NMB

**CERTIFICATE:**

I, Lee K. Goss an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein.

*[Signature]*  
 Oklahoma Reg. No. 1778



This information was gathered with a GPS receiver with ±1 foot Horiz./Vert. accuracy.

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N/A

Topography & Vegetation N/A  
 Good Drill Site? N/A Reference Stakes or Alternate Location None  
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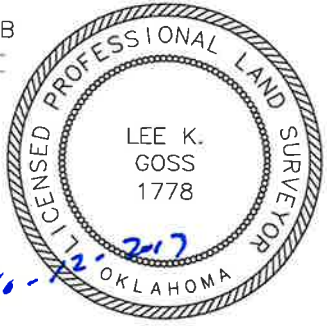
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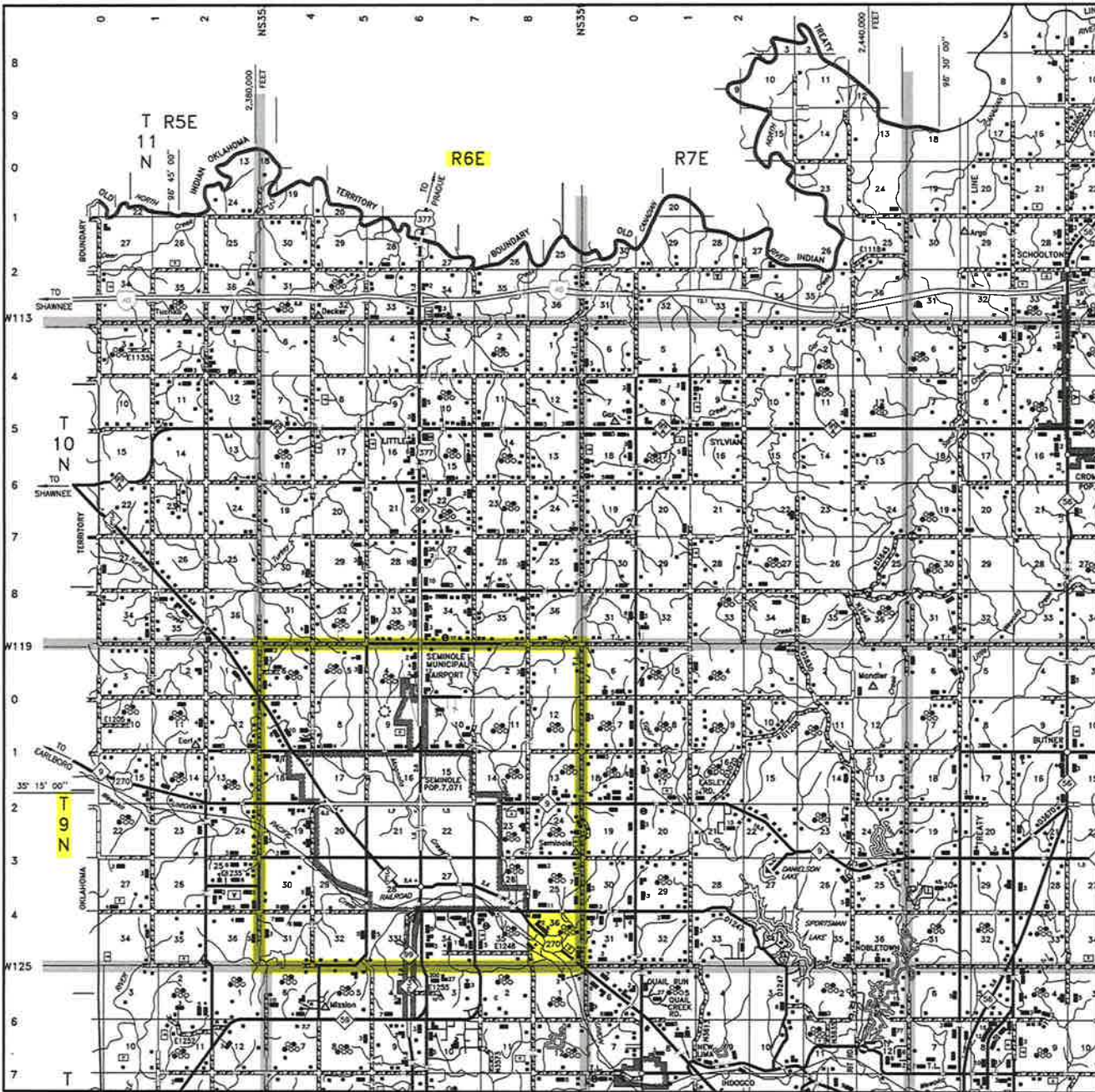


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# TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

Surveying and Mapping for the Energy Industry  
6709 North Classen Blvd. Oklahoma City, OK 73116 [www.topographic.com](http://www.topographic.com)  
Telephone Numbers: Local (405) 843-4847 Toll Free (800) 654-3219

## VICINITY MAP



Scale: 1" = 3 Miles

Sec. 36 Twp. 9N Rng. 6E I.M.

County SEMINOLE State OK

Operator BLACKSTONE SEMINOLE, LLC.

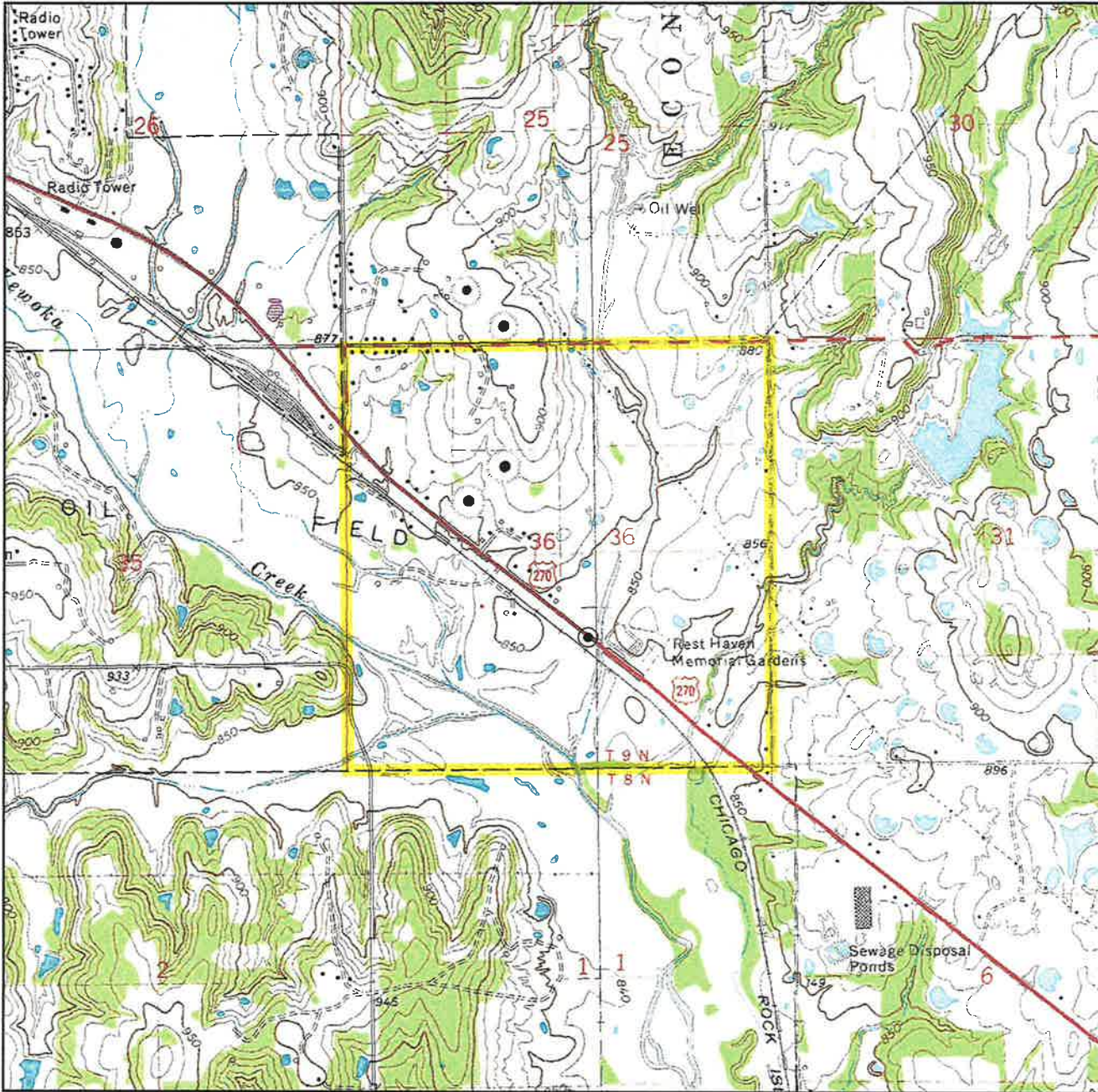


LAND SURVEYORS OF OKLAHOMA

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## LOCATION & ELEVATION VERIFICATION MAP



Sec. 36 Twp. 9N Rng. 6E I.M.

County SEMINOLE State OK

Operator BLACKSTONE SEMINOLE, LLC.

Description 1650'FSL-330'FWL-SE/4

Lease ABIKA 1-36

Elevation N/A

U.S.G.S. Topographic  
Quadrangle Map WEWOKA WEST, OK

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

Contour Interval 10'

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.



LAND SURVEYORS OF OKLAHOMA