

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

API NUMBER: 137 27536

Approval Date: 06/05/2018

Expiration Date: 12/05/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 26 Twp: 1N Rge: 5W

County: STEPHENS

SPOT LOCATION: ☐ NW ☐ NW ☐ NW ☐ NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 170 180

Lease Name: PRAIRIE DALE

Well No: 1-27HW

Well will be 170 feet from nearest unit or lease boundary.

Operator Name: CITATION OIL & GAS CORPORATION

Telephone: 2818911000; 2818911

OTC/OCC Number: 14156 0

CITATION OIL & GAS CORPORATION  
PO BOX 690688  
HOUSTON, TX 77269-0688

492 DAVENPORT RANCH, LLC  
8453 HWY 77 SOUTH  
VICTORIA TX 77905

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

Name	Depth	Name	Depth
1 WOODFORD	12648	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201802598  
201802600

Special Orders:

Total Depth: 17659

Ground Elevation: 1169

**Surface Casing: 1500**

Depth to base of Treatable Water-Bearing FM: 750

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: Yes

Surface Water used to Drill: No

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: 3500 Average: 2500

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 BED AQUIFER

Pit Location Formation: DUNCAN

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 18-34493

H. SEE MEMO

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.

## PIT 2 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: OIL BASED

Chlorides Max: 300000 Average: 200000

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 BED AQUIFER

Pit Location Formation: DUNCAN

## HORIZONTAL HOLE 1

Sec 27 Twp 1N Rge 5W County STEPHENS

Spot Location of End Point: SW SE SE SE

Feet From: SOUTH 1/4 Section Line: 266

Feet From: EAST 1/4 Section Line: 349

Depth of Deviation: 12270

Radius of Turn: 592

Direction: 190

Total Length: 4867

Measured Total Depth: 17659

True Vertical Depth: 17400

End Point Location from Lease,  
Unit, or Property Line: 170

### Notes:

#### Category

#### Description

DEEP SURFACE CASING

5/23/2018 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

5/16/2018 - G71 - OCC 165:10-3-10 REQUIRES:

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;

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: [OCCEWEB.COM/OG/OGFORMS.HTML](http://OCCEWEB.COM/OG/OGFORMS.HTML); AND,

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: [FRACFOCUS.ORG](http://FRACFOCUS.ORG)

MEMO

5/23/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201802598

5/18/2018 - G58 - (640) 27-1N-5W  
VAC OTHERS  
EXT 669539 WDFD, OTHERS  
REC 3/16/2018 (DENTON)

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.

137 27536 PRAIRIE DALE 1-27HW

Category

PENDING CD - 201802600

Description

5/18/2018 - G58 - (I.O.) 27-1N-5W  
X201802598 WDFD  
COMPL. INT. NCT 165' FNL, NCT 165' FSL, NCT 330' FEL  
NO OP. NAMED  
REC 4/23/2018 (MILLER)

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.



137-27536

STEPHENS

County, Oklahoma

170'FNL - 180'FWL Section 26 Township 1N Range 5W I.M.

KICKOFF POINT, LANDING POINT, BOTTOM HOLE AND DRILL PATH  
INFORMATION PROVIDED BY OPERATOR LISTED, NOT SURVEYED. ]

NOTE:  
The information shown herein is for  
construction purposes ONLY

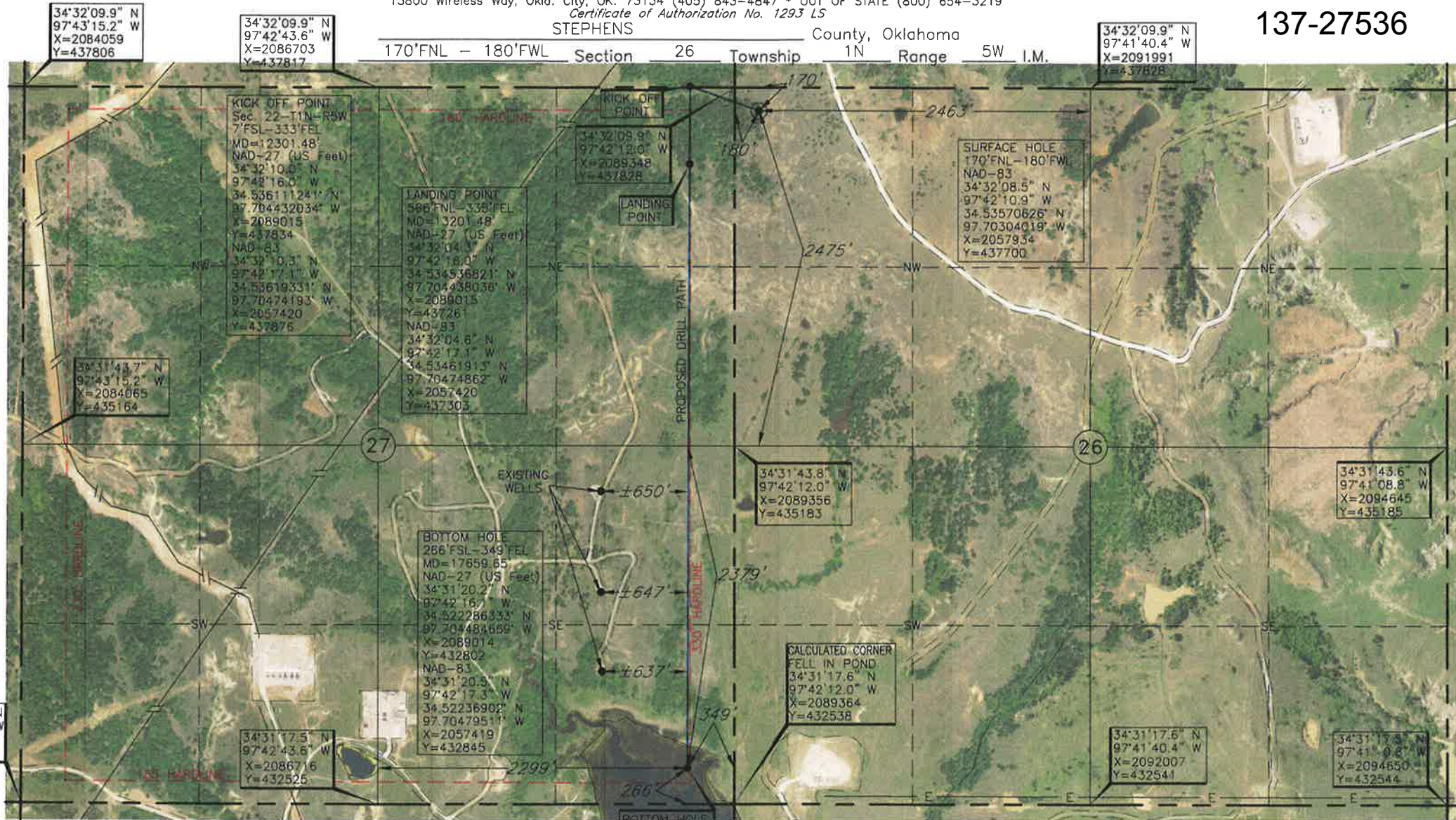


GRID  
NAD-27  
OK SOUTH  
US Feet

0' 500' 1000'

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

DATUM: NAD-27  
LAT: 34°32'08.2"N  
LONG: 97°42'09.8"W  
LAT: 34.535623969°N  
LONG: 97.702729636°W  
STATE PLANE  
COORDINATES: (US Feet)  
ZONE: OK SOUTH  
X: 2089529  
Y: 437658



Operator: CITATION OIL & GAS CORPORATION

Lease Name: PRAIRIEDALE

Well No.: 1-27HW

ELEVATION:

1169' Gr. at Stake

Date Drawn: May 07, 2018

Invoice # 291670 Date Staked: Apr. 18, 2018

AC

Topography & Vegetation Loc. fell in rolling, rocky, brushy pasture

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

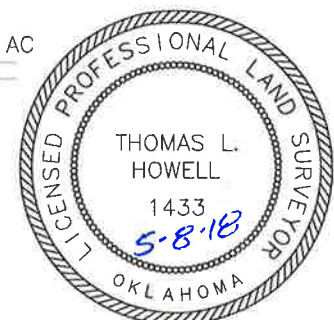
Best Accessibility to Location From East off lease road

Distance & Direction  
from Hwy Jct or Town From Garvin-Carter County Line on Base Line Road, go ±6.25 mi. West on Base Line Road,  
then ±1.0 mi. North on county road, then ±1.0 mi. NW on county road to the NE Cor. of Sec. 26-T1N-R5W

CERTIFICATE:

I, Thomas L. Howell an Oklahoma Licensed Land  
Surveyor and an authorized agent of Topographic Land  
Surveyors of Oklahoma, do hereby certify to the  
information shown herein

Thomas L. Howell  
Oklahoma Lic. No. 1433





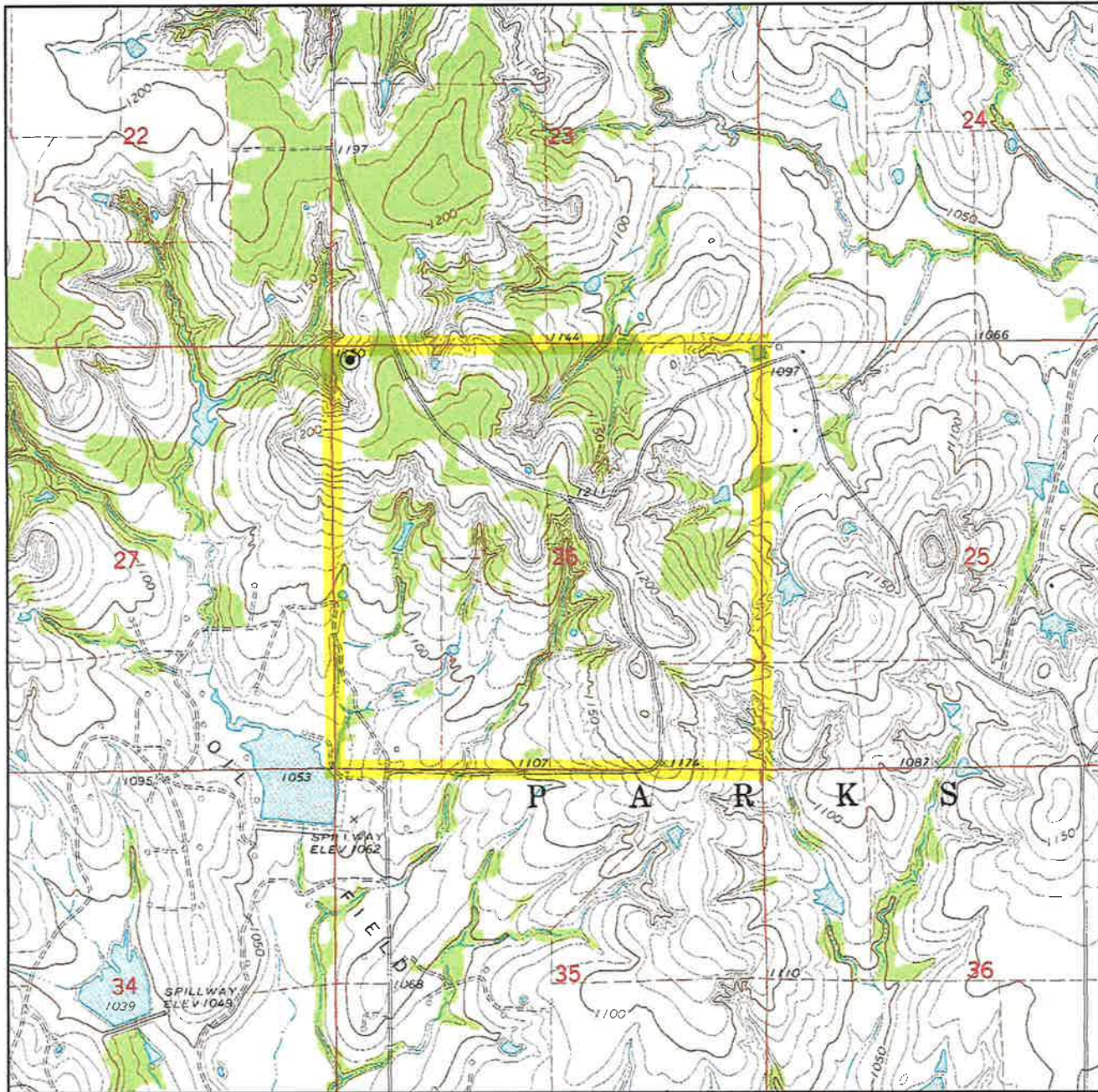




# TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

Surveying and Mapping for the Energy Industry  
13800 Wireless Way, Okla. City, OK. 73134 [www.topographic.com](http://www.topographic.com)  
Telephone Numbers: Local (405) 843-4847 Toll Free (800) 654-3219

## LOCATION & ELEVATION VERIFICATION MAP



Sec. 26 Twp. 1N Rng. 5W IM

County STEPHENS State OK

Operator CITATION OIL & GAS CORPORATION

Description 170'FNL - 180'FWL

Lease PRAIRIE DALE 1-27HW

Elevation 1169' Gr. at Stake

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

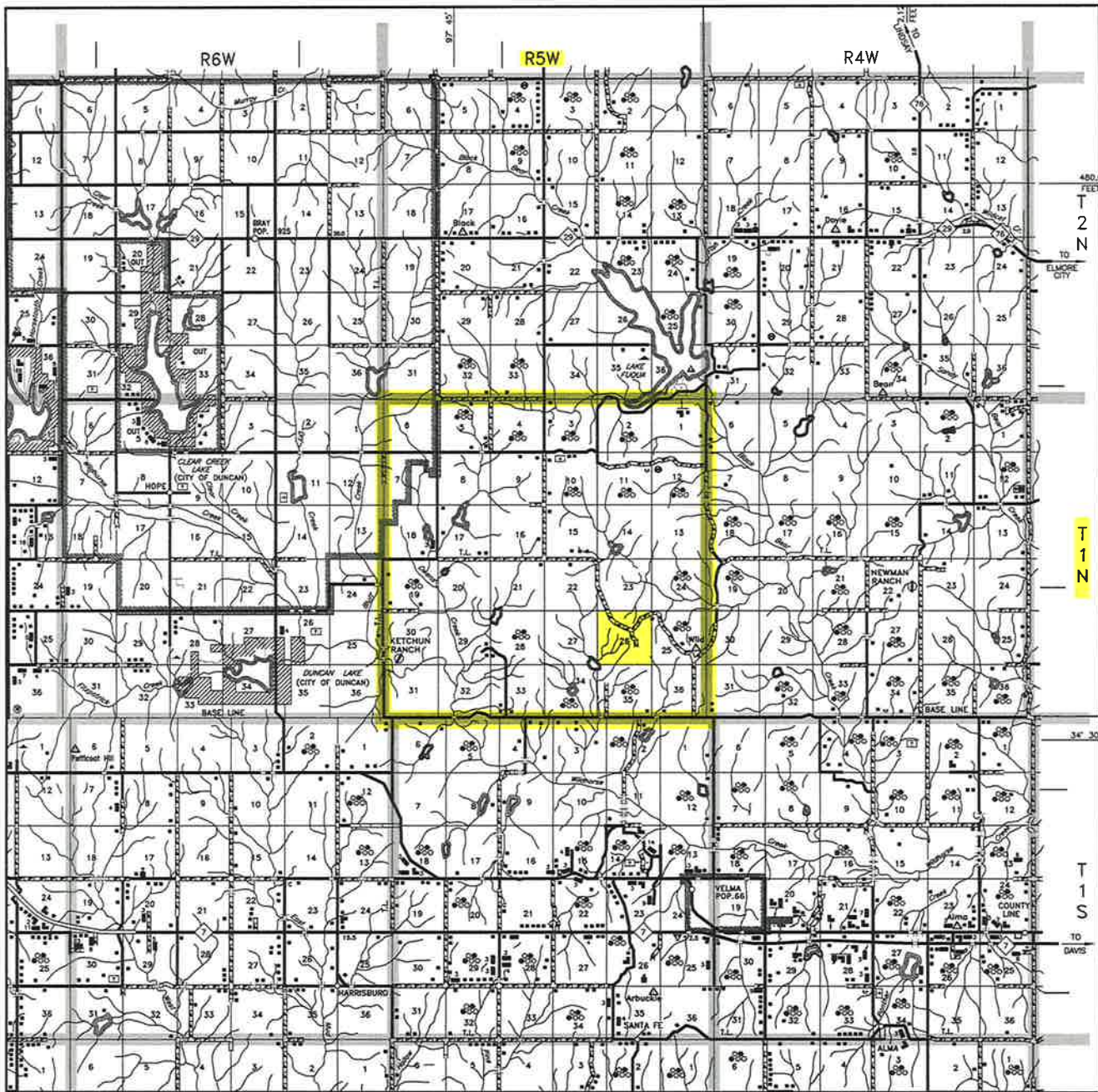
Apr. 18, 2018



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## VICINITY MAP



Scale: 1" = 3 Miles

Sec. 26 Twp. 1N Rng. 5W IM

County STEPHENS State OK

Operator CITATION OIL & GAS CORPORATION



**TOPOGRAPHIC**  
LOYALTY INNOVATION LEGACY

**LAND SURVEYORS OF OKLAHOMA**