

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

API NUMBER: 137 27594

Approval Date: 12/10/2019

Expiration Date: 06/10/2021

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 13 Twp: 1N Rge: 5W

County: STEPHENS

SPOT LOCATION: ☐ NW ☐ NE ☐ NW ☐ NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 272 705

Lease Name: NORTH BASIN

Well No: 2-13HW

Well will be 272 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  
14077 CUTTEN RD  
HOUSTON, TX 77069-2212

LLOYD E AND SHEILA M ELY  
297297 E 1730 ROAD  
DUNCAN OK 73533

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

Name	Depth	Name	Depth
1 WOODFORD	12297	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 697479

Location Exception Orders: 201901438

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 17439

Ground Elevation: 1200

**Surface Casing: 1500**

Depth to base of Treatable Water-Bearing FM: 760

Deep surface casing has been approved

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: 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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: BISON

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

PERMIT NO: 19-37120

H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

This permit does not address the right of entry or settlement of surface damages.

The duration of this permit is 18 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.

# HORIZONTAL HOLE 1

Sec 13 Twp 1N Rge 5W County STEPHENS

Spot Location of End Point: SE SW SW SW

Feet From: SOUTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 381

Depth of Deviation: 12043

Radius of Turn: 549

Direction: 184

Total Length: 4533

Measured Total Depth: 17439

True Vertical Depth: 12297

End Point Location from Lease,

Unit, or Property Line: 50

## Notes:

### Category

### Description

DEEP SURFACE CASING

12/4/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

HYDRAULIC FRACTURING

12/3/2019 - 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: [OCCWEB.COM/OG/OGFORMS.HTML](http://OCCWEB.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)

LOCATION EXCEPTION - 201901438

12/10/2019 - G56 - (I.O.) 13-1N-5W  
X697479 WDFD, OTHERS  
COMPL INT NCT 165' FNL, NCT 165' FSL, NCT 330' FEL  
CITATION OIL & GAS CORP.  
REC 12/9/2019 (NORRIS)

SPACING - 697479

12/10/2019 - G56 - (640) 13-1N-5W  
EXT 623296 WDFD, OTHERS

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137 27594 NORTH BASIN 2-13HW

137-27594

## TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

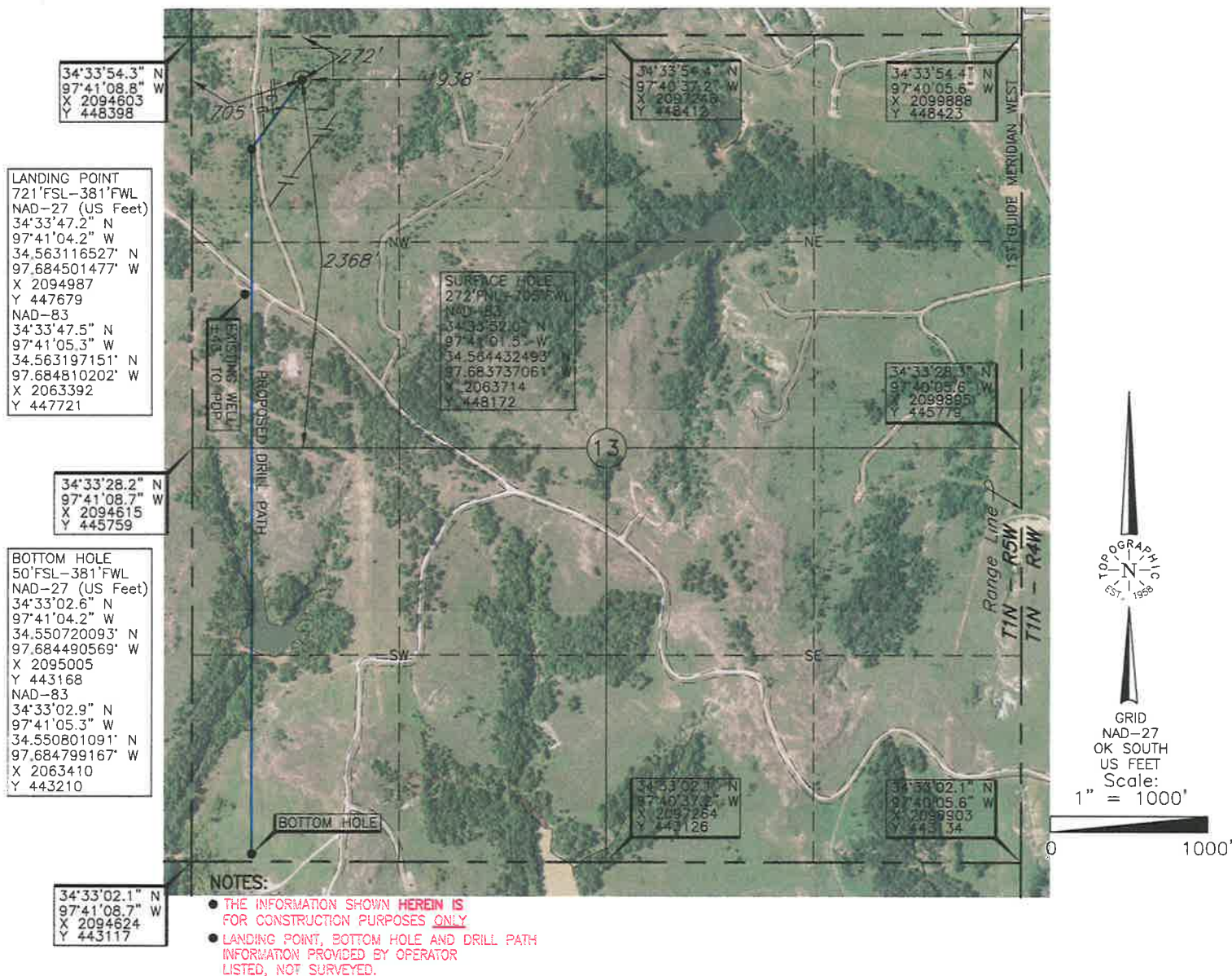
13800 Wireless Way, Okla. City, OK. 73134 \* LOCAL (405) 843-4847 \* OUT OF STATE (800) 654-3219

Certificate of Authorization No. 1293 LS

STEPHENS

County, Oklahoma

272'FNL - 705'FWL Section 13 Township 1N Range 5W I.M.



Operator: CITATION OIL &amp; GAS CORP.

Lease Name: NORTH BASIN

Well No.: 2-13HW

## ELEVATION:

1200' Gr. at Stoke (NGVD29)

Topography &amp; Vegetation Loc. fell in rocky terrain with grass pasture and timber

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

Best Accessibility to Location From SE off lease road

Distance &amp; Direction from Hwy Jct or Town From Jct. St. Hwy. 76 and St. Hwy. 29, go ±4.0 mi. West on St. Hwy. 29, then ±6.0 mi. South to the SE Cor. of Sec. 13-T1N-R5W

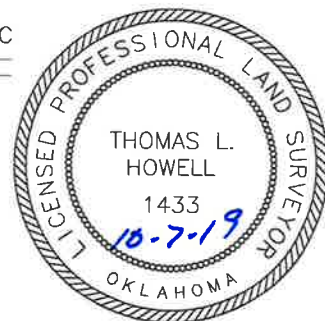
DATUM: NAD-27  
LAT: 34°33'51.7"N  
LONG: 97°41'00.3"W  
LAT: 34.564351896' N  
LONG: 97.683428350' W  
STATE PLANE  
COORDINATES: (US Feet)  
ZONE: OK SOUTH  
X: 2095309  
Y: 448130

Date of Drawing: Oct. 04, 2019  
Project # 130431 Date Staked: Oct. 01, 2019 AC

## 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

Oklahoma Lic. No. 1433



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

# TOPOGRAPHIC LAND SURVEY OF OKLAHOMA

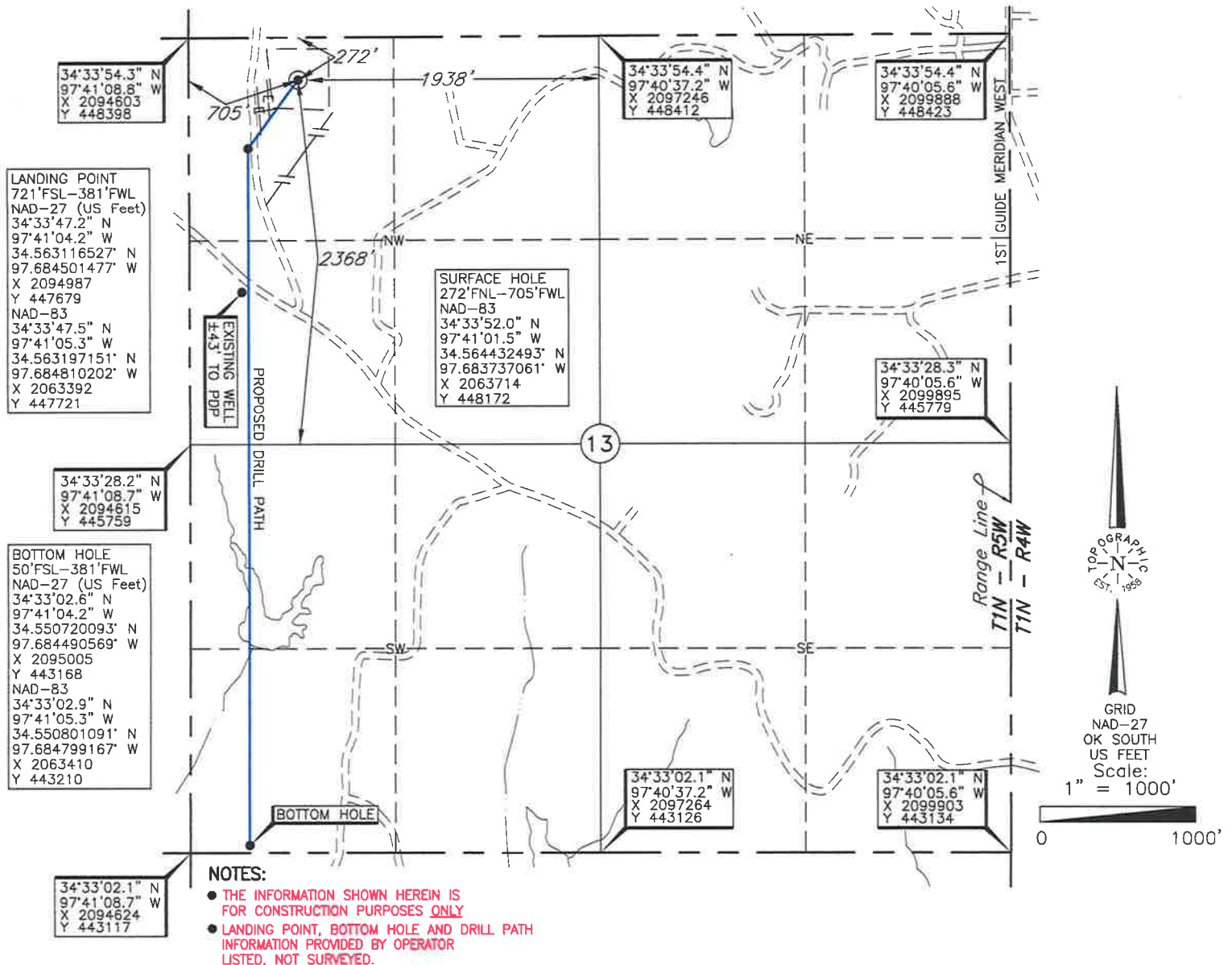
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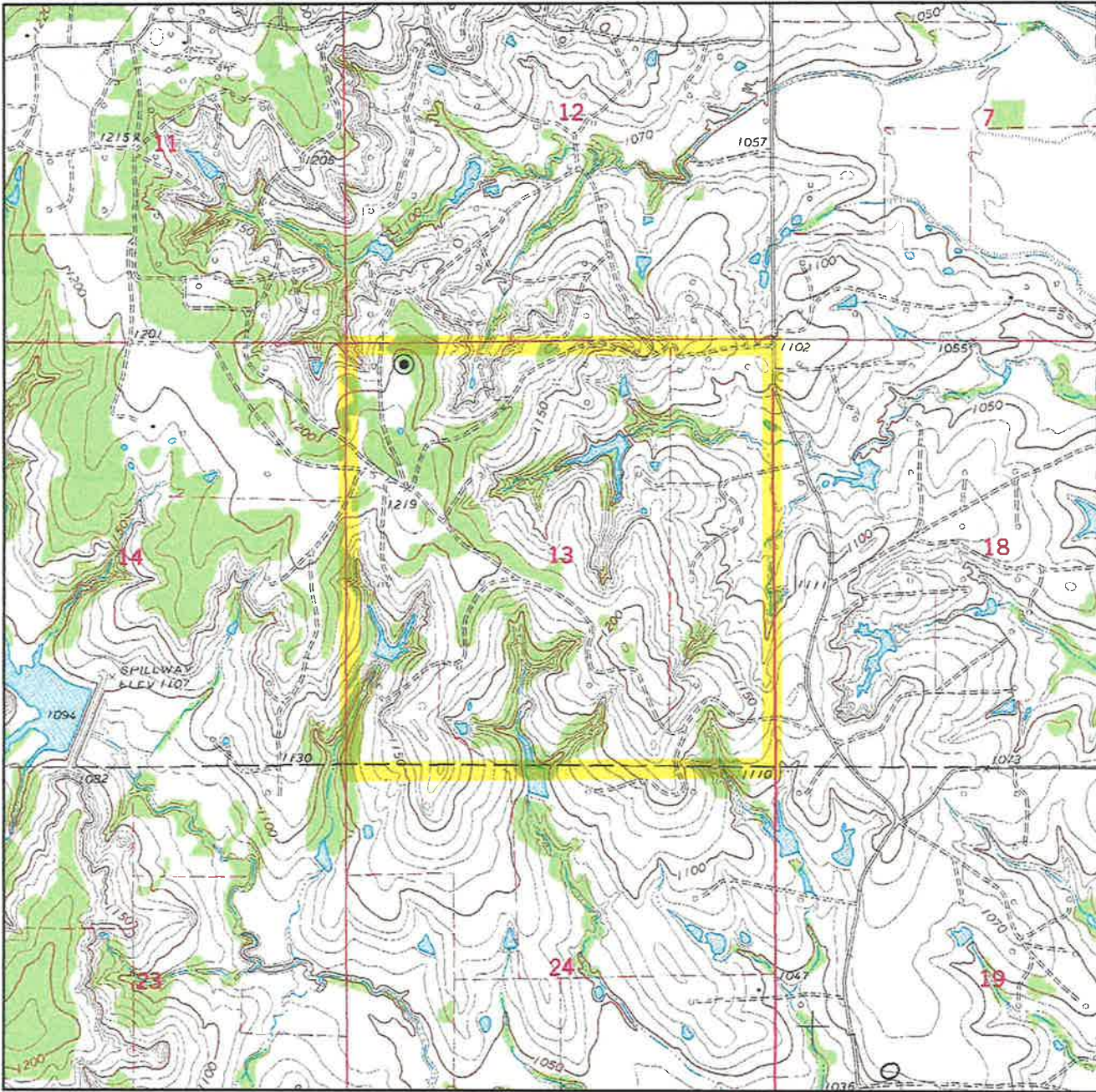
# TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

*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. 13 Twp. 1N Rng. 5W IM

County STEPHENS State OK

Operator CITATION OIL & GAS CORP.

Description 272'FNL - 705'FWL

Lease NORTH BASIN 2-13HW

Elevation 1200' Gr. at Stake (NGVD29)

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.



**TOPOGRAPHIC**  
LOYALTY INNOVATION LEGACY

**LAND SURVEYORS OF OKLAHOMA**

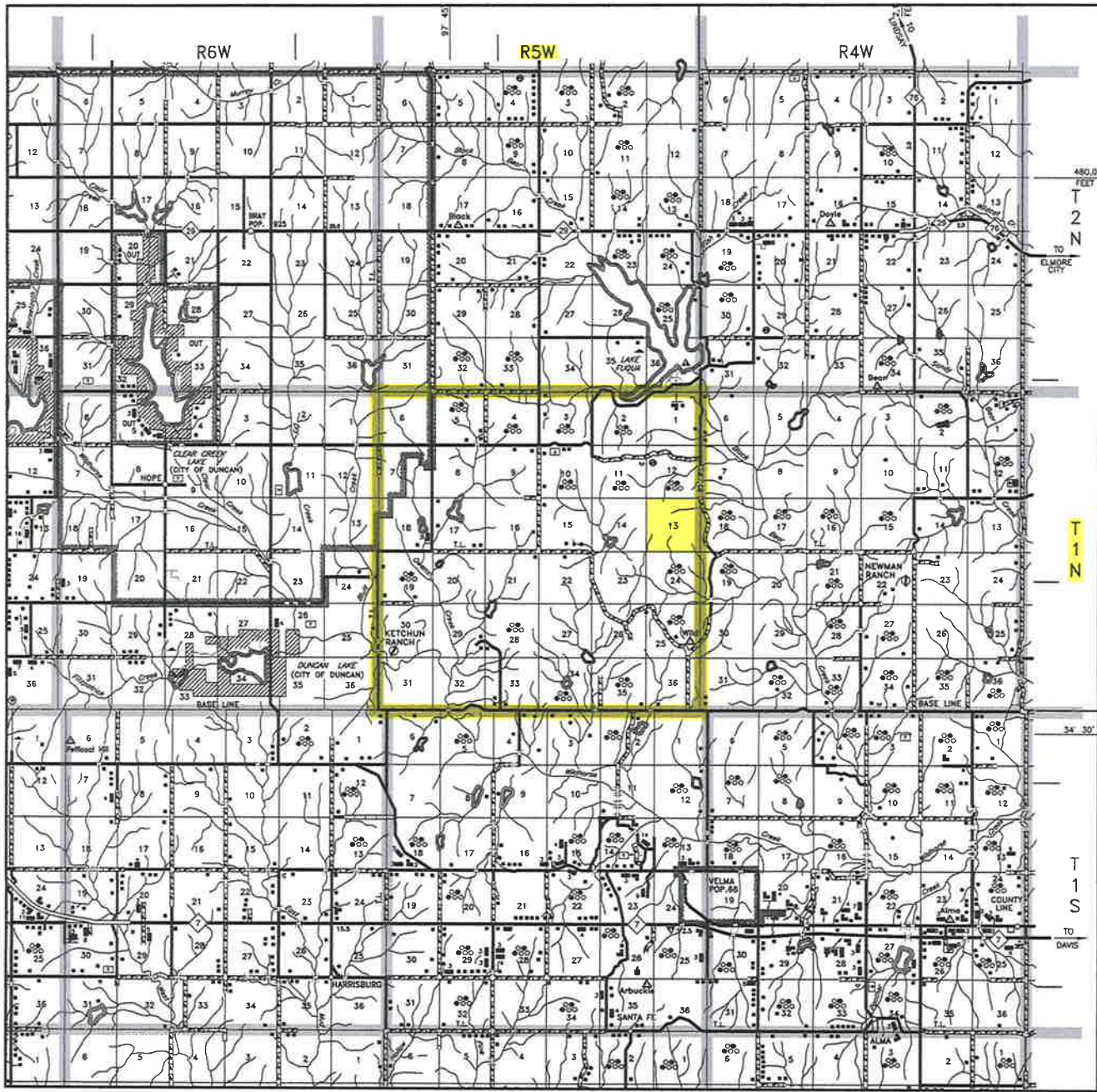
Oct. 01, 2019



# TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

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## VICINITY MAP



Scale: 1" = 3 Miles

Sec. 13 Twp. 1N Rng. 5W IM

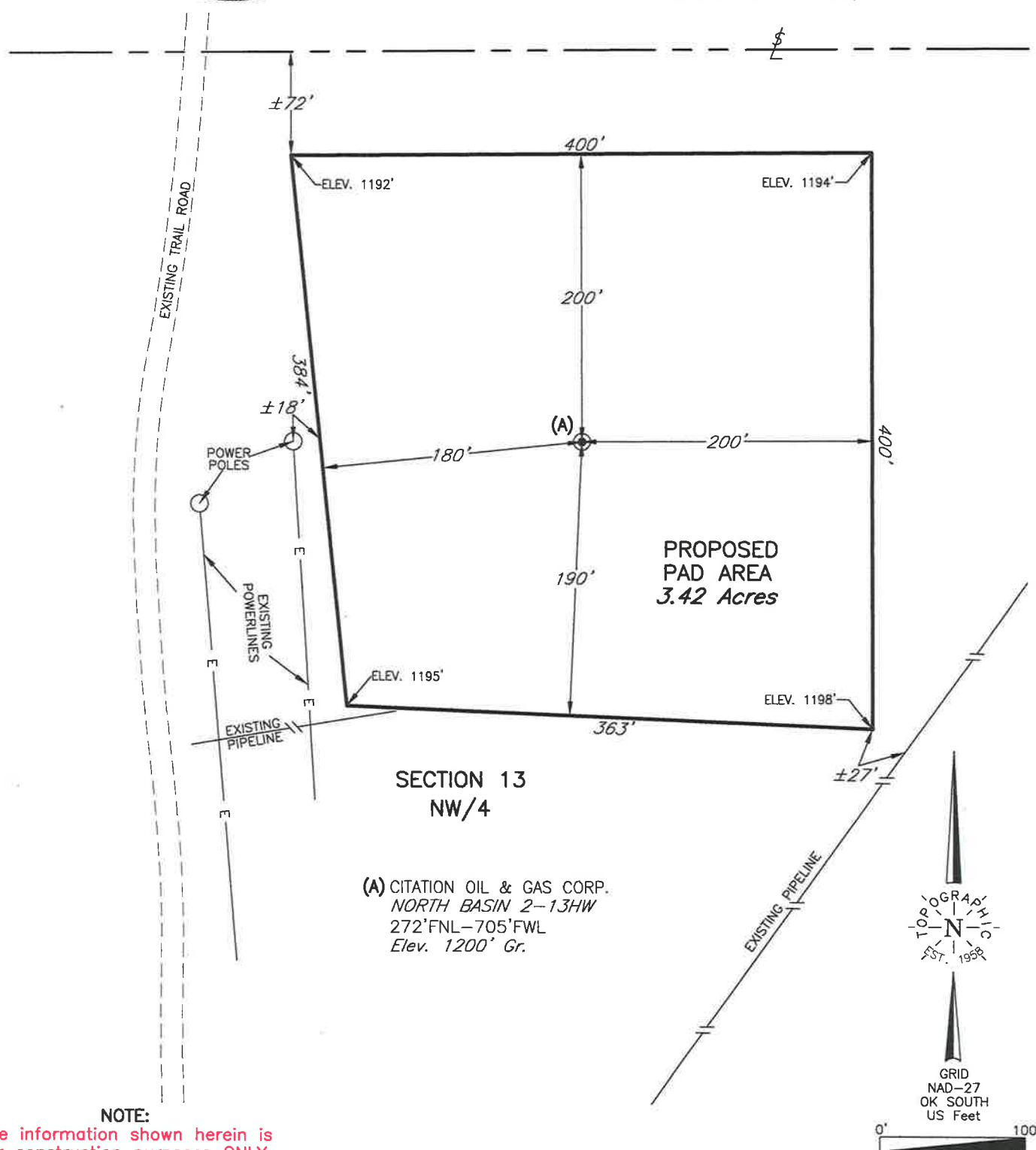
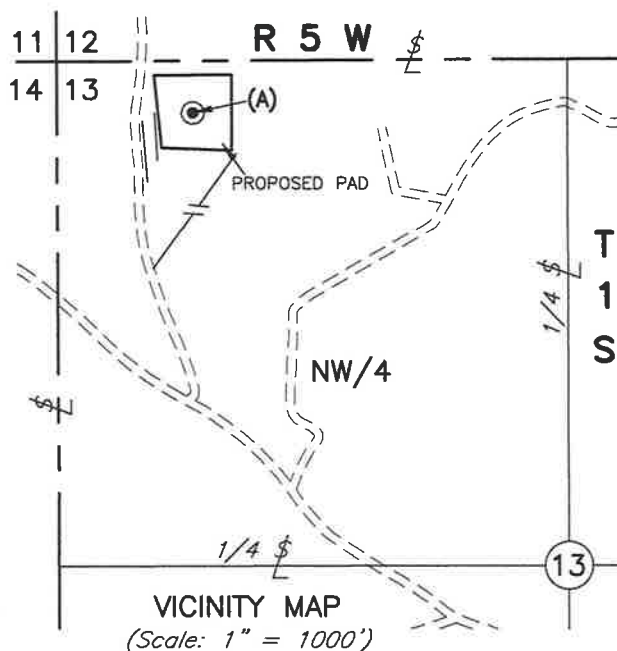
County STEPHENS State OK

Operator CITATION OIL & GAS CORP.



LAND SURVEYORS OF OKLAHOMA

PLAT SHOWING  
PROPOSED PAD AREA IN THE  
NE/4 OF SECTION 13, T1S - R5W  
STEPHENS COUNTY, OKLAHOMA



The information shown herein is for construction purposes ONLY.

				<p>This plat was prepared exclusively for</p> <p><b>CITATION OIL &amp; GAS CORP.</b></p> <p>and may not be relied upon by any other entity without the written consent of Topographic Land Surveyors of Oklahoma</p> <p><i>SURVEYING AND MAPPING BY</i></p> <p><b>TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA</b></p> <p>13800 Wireless Way, Okla. City, OK. 73134 (405) 843-4847</p> <p>Certificate of Authorization No. 1293 LS</p>	SCALE: 1"=100'
					DATE: 10/04/19
NO.	REVISION	DATE	BY		PROJECT NO.: 130431
SUR. BY:	JF	10/01/19			FILE NAME: L2051B.DWG
DRAWN BY:	AC			DWG NO.: 103140-L2-051-B	
APPROVED BY:	TH			SHEET 1 OF 1	