

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

API NUMBER: 093 25234

Approval Date: 07/25/2019

Expiration Date: 01/25/2021

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 25 Twp: 20N Rge: 15W

County: MAJOR

SPOT LOCATION: ☐ SW ☐ SE ☐ SE ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 245 600

Lease Name: TUCKER

Well No: 25-1H

Well will be 245 feet from nearest unit or lease boundary.

Operator Name: COMANCHE EXPLORATION CO LLC

Telephone: 4057555900

OTC/OCC Number: 20631 0

COMANCHE EXPLORATION CO LLC  
6520 N WESTERN AVE STE 300  
OKLAHOMA CITY, OK 73116-7334

TIMOTHY F. & CHARLOTTE M. TUCKER  
240152 E. COUNTY ROAD #56  
FAIRVIEW OK 73737

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	8200	6	
2			7	
3			8	
4			9	
5			10	

Spacing Orders: 635883  
644741

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201903378  
201903380

Special Orders:

Total Depth: 13740

Ground Elevation: 1702

**Surface Casing: 800**

Depth to base of Treatable Water-Bearing FM: 320

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

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: 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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

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

PERMIT NO: 19-36791

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

## HORIZONTAL HOLE 1

Sec 25 Twp 20N Rge 15W County MAJOR

Spot Location of End Point: NW NE NE NE

Feet From: NORTH 1/4 Section Line: 135

Feet From: EAST 1/4 Section Line: 600

Depth of Deviation: 8518

Radius of Turn: 382

Direction: 360

Total Length: 4622

Measured Total Depth: 13740

True Vertical Depth: 8930

End Point Location from Lease,  
Unit, or Property Line: 135

### Notes:

#### Category

#### Description

#### DEEP SURFACE CASING

7/3/2019 - 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

7/3/2019 - 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: [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)

#### INTERMEDIATE CASING

7/3/2019 - G71 - DUE TO THE KNOWN POTENTIAL RISK OF ENCOUNTERING AN OVER-PRESSURED ZONE IN THE MORROW SERIES IN THIS AREA, THE TECHNICAL MANAGER RECOMMENDS SETTING AN INTERMEDIATE STRING OF CASING IMMEDIATELY ABOVE THE MORROW SERIES

#### MEMO

7/3/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

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

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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.

093 25234 TUCKER 25-1H

Category	Description
PENDING CD - 201903378	7/19/2019 - G56 - 25-20N-15W X635883/644741 MSSP 1 WELL NO OP NAMED REC 7/16/2019 (MILLER) PER ATTORNEY FOR OPERATOR
PENDING CD - 201903380	7/19/2019 - G56 - (I.O.) 25-20N-15W X635883/644741 MSSP X165:10-3-28(C)(2)(B) MSSP MAY BE CLOSER THAN 600' TO BULLSEYE 20-14-30 1H, DOW 1-25 WELLS COMPL INT NCT 165' FNL, NCT 165' FSL, NCT 560' FEL NO OP NAMED REC 7/16/2019 (MILLER) PER ATTORNEY FOR OPERATOR
SPACING - 635883	7/19/2019 - G56 - (640)(HOR) 25-20N-15W EST MSSP, OTHER COMPL INT NCT 660' FB
SPACING - 644741	7/19/2019 - G56 - NPT ORDER # 635883 TO CORRECT PARAGRAPH 8, COEXIST WITH SP # 102031/201755 CSTR, SP # 141045/201755 MSSLM

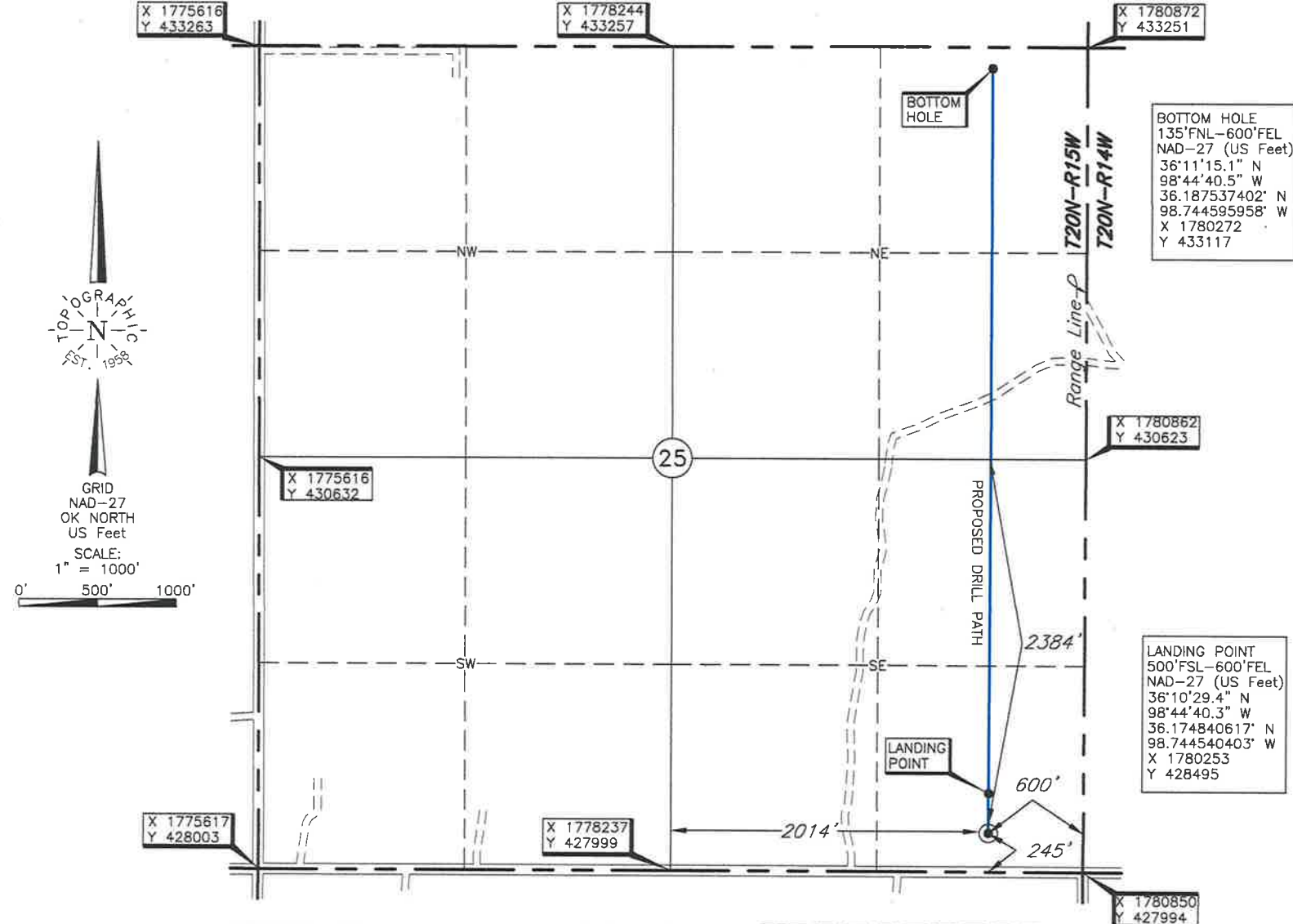
093-25234

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

MAJOR \_\_\_\_\_ County, Oklahoma

245'FSL-600'FEL Section 25 Township 20N Range 15W I.M.



BOTTOM HOLE, AND DRILL PATH INFORMATION PROVIDED BY  
OPERATOR LISTED, NOT SURVEYED.

THE INFORMATION SHOWN HEREIN IS  
FOR CONSTRUCTION PURPOSES ONLY.

Operator: COMANCHE EXPLORATION CO, LLC  
Lease Name: TUCKER Well No.: 25-1H ELEVATION: 1702' Gr. at Stake  
Topography & Vegetation Location fell in slope sandy pasture at top of sand hill  
Good Drill Site? Yes Reference Stakes or Alternate Location  
Stakes Set None  
Best Accessibility to Location From South off county road  
Distance & Direction  
from Hwy Jct or Town From Chester, Okla., go ±8 miles East, then ±3 miles South,  
then ±2 miles East to the SE Cor. of Sec. 25-T20N-R15W

DATUM: NAD-27  
LAT: 36°10'26.9"N  
LONG: 98°44'40.3"W  
LAT: 36.174140193° N  
LONG: 98.744537956° W  
STATE PLANE  
COORDINATES: (US Feet)  
ZONE: OK NORTH  
X: 1780251  
Y: 428240

Revision ☒ A Date of Drawing: June 27, 2019  
Project # 125856 Date Staked: June 25, 2019 LC

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



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

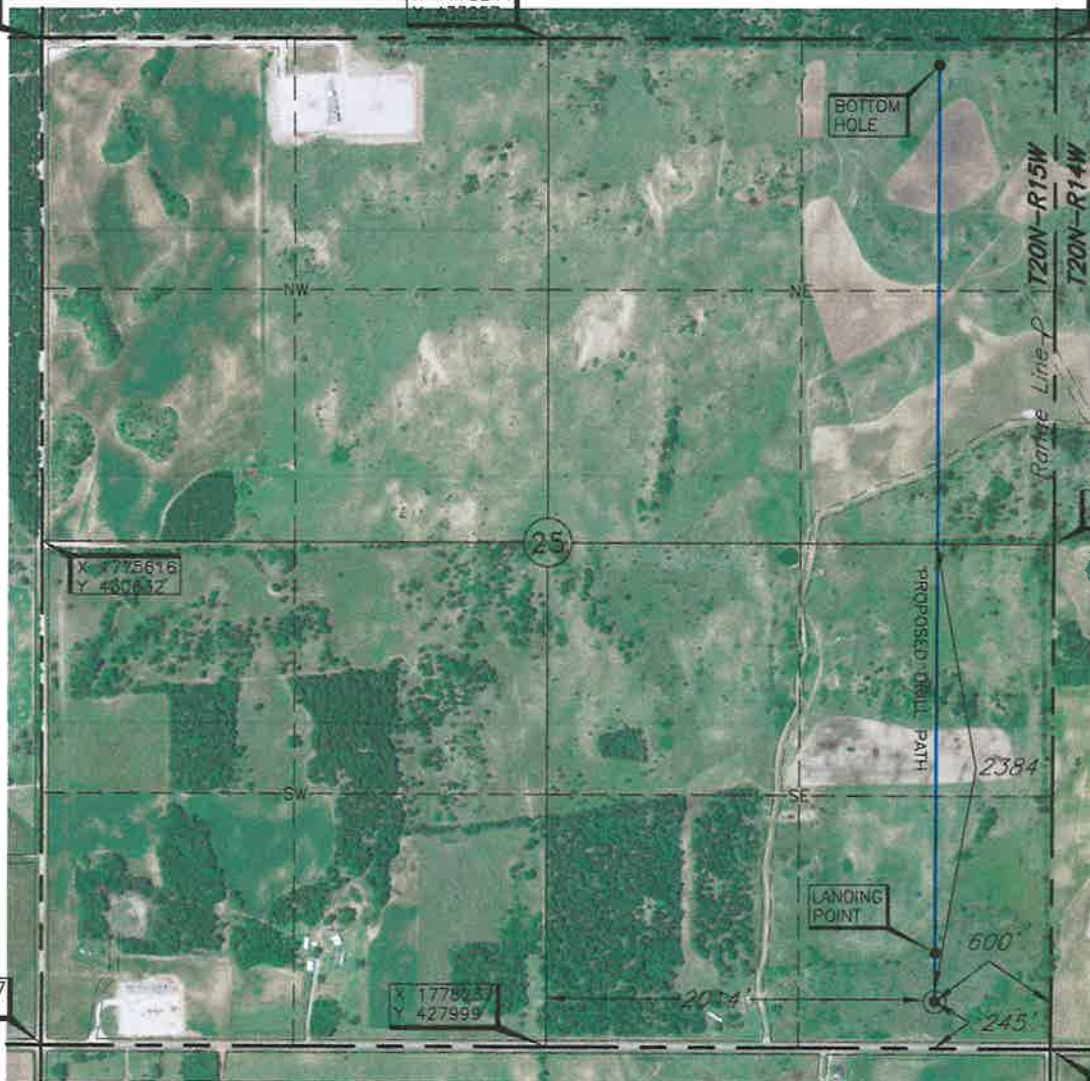
County, Oklahoma

245'FSL-600'FEL Section 25 Township 20N Range 15W I.M.

X 1775616  
Y 433263

X 1778244  
Y 433263

X 1780872  
Y 433251



BOTTOM HOLE  
135'FNL-600'FEL  
NAD-27 (US Feet)  
36°11'15.1" N  
98°44'40.5" W  
36.187537402' N  
98.744595958' W  
X 1780272  
Y 433117

1780862  
430623

LANDING POINT  
500'FSL-600'FEL  
NAD-27 (US Feet)  
36°10'29.4" N  
98°44'40.3" W  
36.174840617' N  
98.744540403' W  
X 1780253  
Y 428495

X 1780850  
Y 427994

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Lease Name: TUCKER

Well No.: 25-1H

ELEVATION:

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from Hwy Jct or Town From Chester, Okla., go ±8 miles East, then ±3 miles South,  
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Revision ☒ A

Date of Drawing: June 27, 2019

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LC

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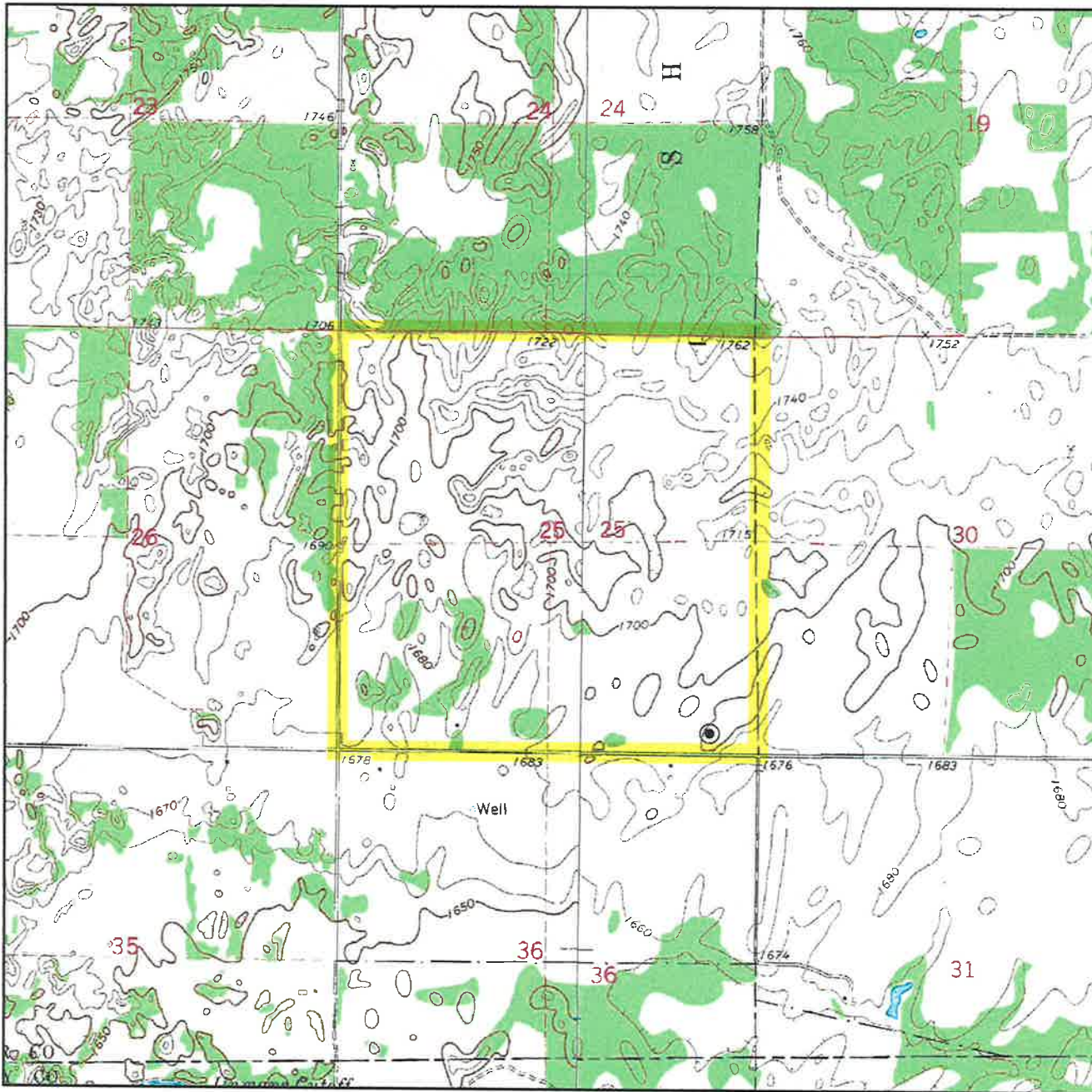
# TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

Surveying and Mapping for the Energy Industry

13800 Wireless Way, Oklahoma 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. 25 Twp. 20N Rng. 15W I.M.

County MAJOR State OK

Operator COMANCHE EXPLORATION CO, LLC

Description 245'FSL-600'FEL

Lease TUCKER 25-1H

Elevation 1702' 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

June 25, 2019

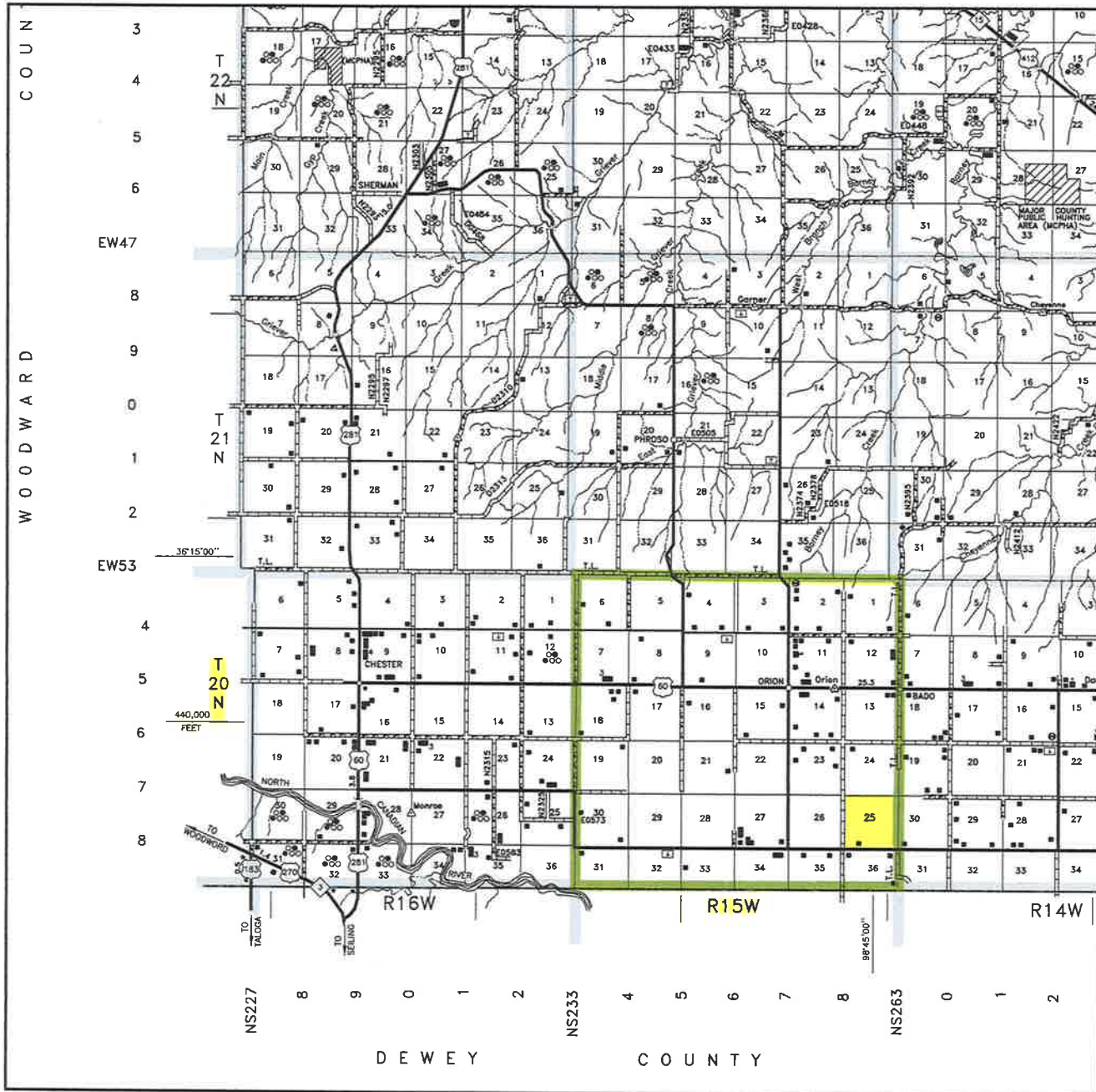
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## VICINITY MAP



Scale: 1" = 3 Miles

Sec. 25 Twp. 20N Rng. 15W I.M.

County MAJOR State OK

Operator COMANCHE EXPLORATION CO, LLC



LAND SURVEYORS OF OKLAHOMA