

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

API NUMBER: 051 24508

Approval Date: 10/31/2018

Expiration Date: 04/30/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 24 Twp: 10N Rge: 5W

County: GRADY

SPOT LOCATION: ☐ SE ☐ SW ☐ SE ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 272 799

Lease Name: PLUME 25-36-1005

Well No: 1WXH

Well will be 272 feet from nearest unit or lease boundary.

Operator Name: NATIVE EXPLORATION OPERATING LLC

Telephone: 4058210568

OTC/OCC Number: 24070 0

NATIVE EXPLORATION OPERATING LLC
PO BOX 18108
OKLAHOMA CITY, OK 73154-0108

JIMMIE LEE WASHBURN
470 COUNTY STREET 2990
TUTTLE OK 73089

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

| Name | Depth | Name | Depth |
|------------|-------|------|-------|
| 1 WOODFORD | 8675 | 6 | |
| 2 | | 7 | |
| 3 | | 8 | |
| 4 | | 9 | |
| 5 | | 10 | |

Spacing Orders: No Spacing

Location Exception Orders: 201804097

Increased Density Orders:

Pending CD Numbers: 201804096
201804094
201804426
201801632
201804427

Special Orders:

Total Depth: 19100

Ground Elevation: 1181

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 1010

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: 5000 Average: 3000

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

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

PERMIT NO: 18-35306

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 ALLUVIAL

Pit Location Formation: ALLUVIUM

HORIZONTAL HOLE 1

Sec 36 Twp 10N Rge 5W County GRADY

Spot Location of End Point: S2 SE SE SE

Feet From: SOUTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 330

Depth of Deviation: 9794

Radius of Turn: 382

Direction: 359

Total Length: 5075

Measured Total Depth: 15469

True Vertical Depth: 10781

End Point Location from Lease,
Unit, or Property Line: 50

| Additional Surface Owner | Address | City, State, Zip |
|--------------------------|-------------------|------------------|
| TRISHA STERK | 10948 PECOS COURT | FRISCO, TX 75033 |

Notes:

Category

Description

DEEP SURFACE CASING

9/6/2018 - 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

9/6/2018 - 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: 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

MEMO

9/6/2018 - 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.

051 24508 PLUME 25-36-1005 1WXH

| Category | Description |
|------------------------|---|
| PENDING CD - 201801632 | 9/19/2018 - G58 - (E.O.)(640)(HOR) 36-10N-5W VAC OTHERS VAC 371959 WDFD EST OTHERS EXT 661126 WDFD POE TO BHL (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL NATIVE EXPLOR. OP., LLC REC 10/12/2018 (MILLER) |
| PENDING CD - 201804094 | 9/19/2018 - G58 - (E.O.)(640)(HOR) 25-10N-5W VAC OTHERS EST OTHER EXT 633709 WDFD, OTHERS POE TO BHL (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL NATIVE EXPLOR. OP., LLC REC 10/12/2018 (MILLER) |
| PENDING CD - 201804096 | 9/19/2018 - G58 - 36 & 25-10N-5W EST MULTIUNIT HORIZONTAL WELL X201801632 WDFD 36-10N-5W X201804094 WDFD 25-10N-5W 50% 36-10N-5W 50% 25-10N-5W NO OP. NAMED REC 10/26/2018 (MACGUIGAN) |
| PENDING CD - 201804097 | 9/24/2018 - G58 - (I.O.) 36 & 25-10N-5W X201801632 WDFD 36-10N-5W X201804094 WDFD 25-10N-5W COMPL. INT. (36-10N-5W) NCT 150' FSL, NCT 0' FNL, NCT 330' FEL COMPL. INT. (25-10N-5W) NCT 0' FSL, NCT 150' FNL, NCT 330' FEL NO OP. NAMED REC 10/26/2018 (MACGUIGAN) |
| PENDING CD - 201809018 | 10/31/2018 - G58 - 25-10N-5W X201804094 WDFD, OTHERS 1 WELL WDFD 1 WELL OTHER 1 WELL OTHER NO OP. NAMED HEARING 11/19/2018 |
| PENDING CD - 201809019 | 10/31/2018 - G58 - 36-10N-5W X201801632 WDFD, OTHERS 1 WELL WDFD 1 WELL OTHER 1 WELL OTHER NO OP. NAMED HEARING 11/19/2018 |

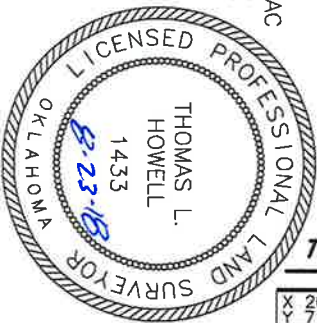
This permit does not address the right of entry or settlement of surface damages.

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.

272'FSL - 799'FEL
Section 24 Township 10N Range 5W 1.M

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



Distances shown in (parenthesis) are calculated based upon the Quarter Section being 2640 feet, those shown in [brackets] are based on GLB (General Land Office) distances and have NOT been measured on the ground.

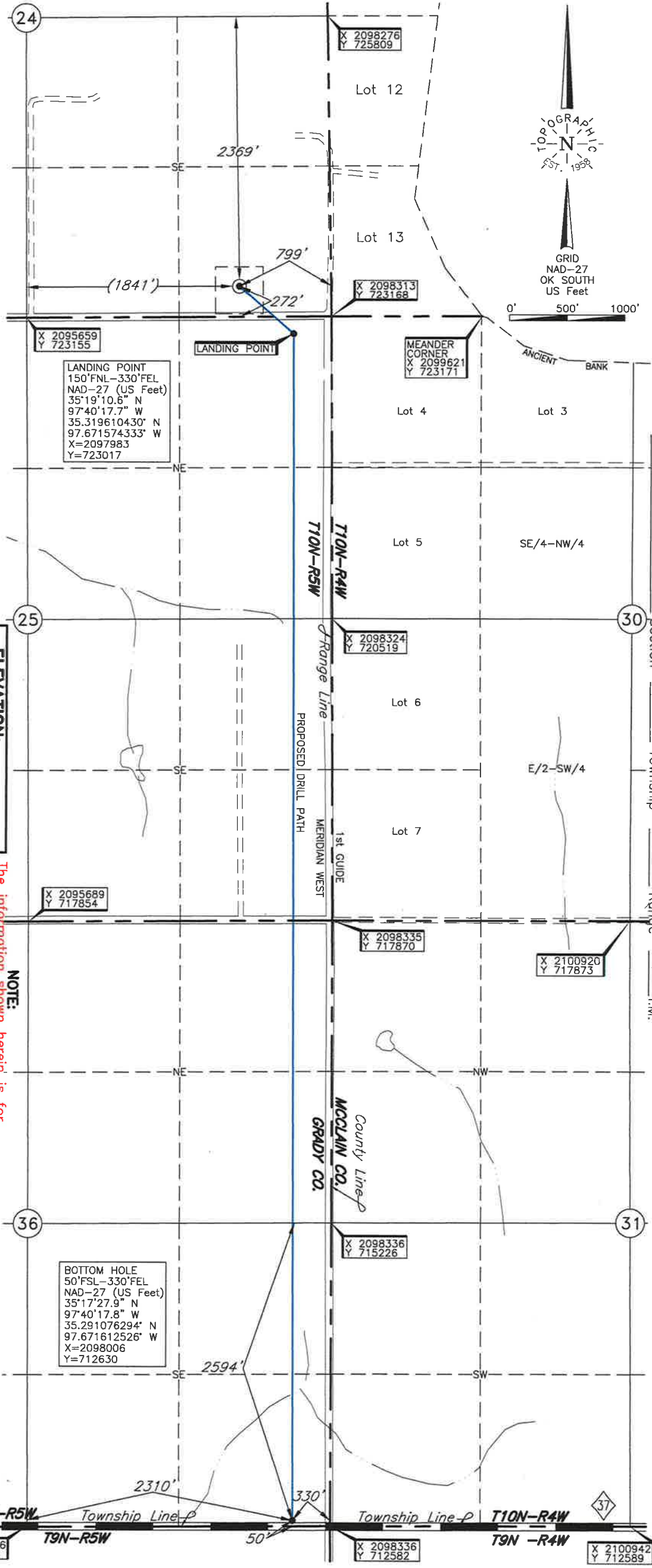


GRID
NAD-27
OK SOUTH
US Feet
0' 500' 1000'

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

13800 Wireless Way, Okla. City, OK, 73134 (405) 843-4847 * OUT OF STATE (800) 654-3219
GRADY Certificate of Authorization No. 1293 LS
County, Oklahoma
Section 24 Township 10N Range 5W 1.M.

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



LANDING POINT
150'FNL-330'FEL
NAD-27 (US Feet)
35°19'10.6" N
97°40'17.7" W
35.319610430° N
97.671574333° W
X=2097983
Y=723017

MEANDER CORNER
X 2099621
Y 723171

X 2098276
Y 725809

X 2098313
Y 723168

X 2098324
Y 720519

X 2095689
Y 717854

X 2098335
Y 717870

X 2100920
Y 717873

X 2098336
Y 715226

BOTTOM HOLE
50'FSL-330'FEL
NAD-27 (US Feet)
35°17'27.9" N
97°40'17.8" W
35.291076294° N
97.671612526° W
X=2098006
Y=712630

X 2095696
Y 712570

X 2098336
Y 712582

X 2100942
Y 712589

051-24508

Operator: NATIVE EXPLORATION OPERATING, LLC
Lease Name: PLUME 25-36-1005
Topography & Vegetation Loc. fell in chopped field, ±207' West of pad fence
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 St. Hwy. 37 E-W at the Grady-McClain County Line, go ±2.0 mi. North to the SE Cor. of Sec. 24-T10N-R5W

Well No.: 1WXH

ELEVATION:
1181' Gr. at Stake

NOTE:
The information shown herein is for construction purposes ONLY.

DATUM: NAD-27
LAT: 35°19'14.8" N
LONG: 97°40'23.4" W
LAT: 35°32'07.67851" N
LONG: 97.673155000° W
STATE PLANE COORDINATES: (US Feet)
ZONE: OK SOUTH
X: 2097510
Y: 723436

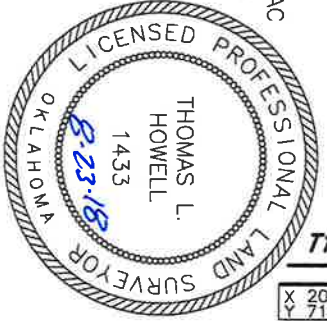
(This information was gathered with a GPS receiver with ±1 foot Horiz./Vert. accuracy.)

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.

Invoice # 300808 Date of Drawing: Aug. 20, 2018
Date Staked: Aug. 17, 2018 AC

Oklahoma Lic. No. 1433



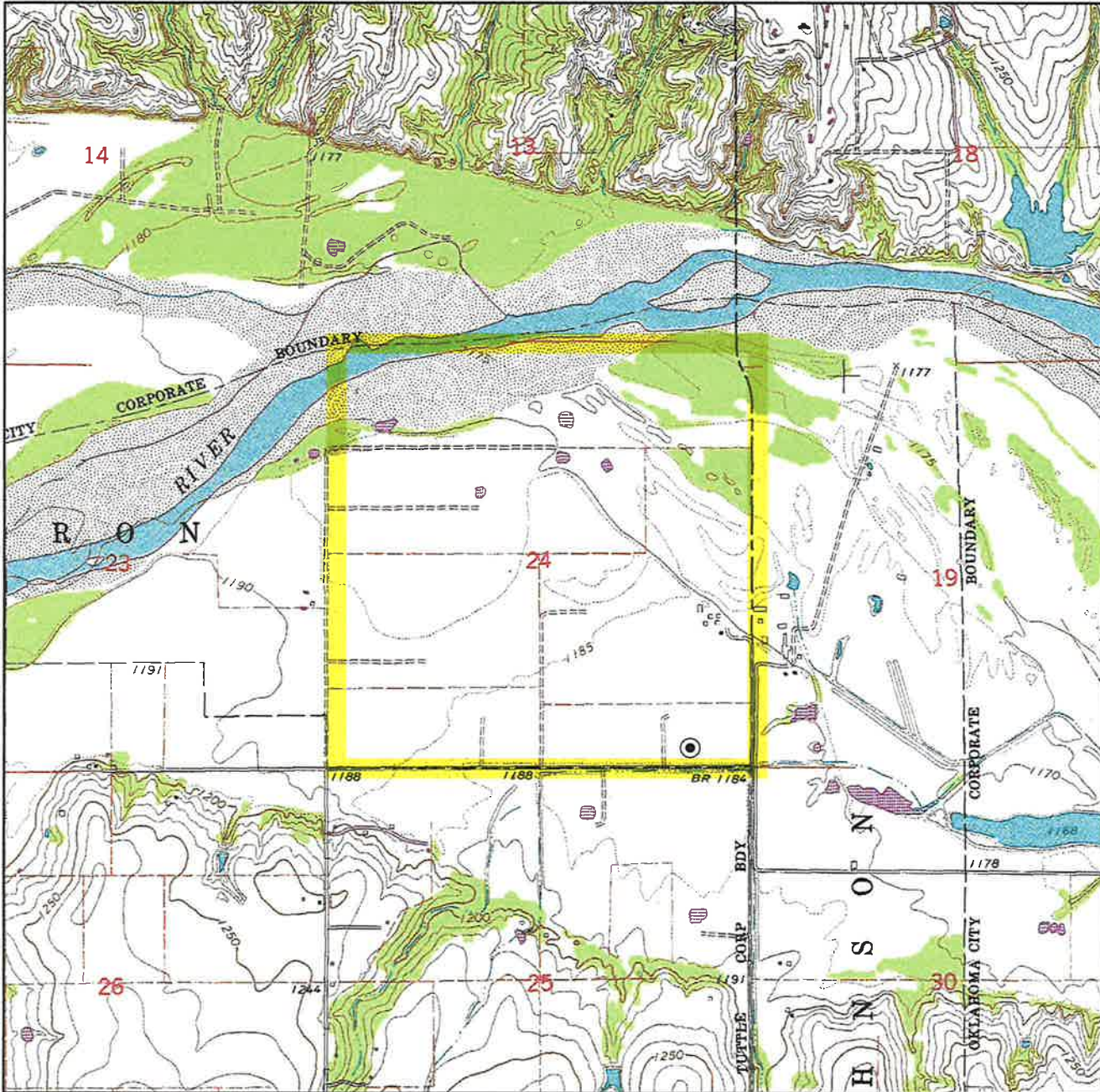
TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

Surveying and Mapping for the Energy Industry

13800 Wireless Way, Okla. City, OK. 73134 www.topographic.com

Telephone Numbers: Local (405) 843-4847 Toll Free (800) 654-3219

LOCATION & ELEVATION VERIFICATION MAP



Sec. 24 Twp. 10N Rng. 5W IM

County GRADY State OK

Operator NATIVE EXPLORATION OPERATING, LLC

Description 272'FSL - 799'FEL

Lease PLUME 25-36-1005 1WXH

Elevation 1181' 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.



TOPOGRAPHIC
LOYALTY INNOVATION LEGACY

LAND SURVEYORS OF OKLAHOMA

Aug 17, 2018