

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

API NUMBER: 109 22488

Approval Date: 11/18/2019
Expiration Date: 05/18/2021

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 19 Twp: 14N Rge: 4W

County: OKLAHOMA

SPOT LOCATION: NW NE NE NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 315 1985

Lease Name: GHOST 1404 19-07

Well No: 1BH

Well will be 315 feet from nearest unit or lease boundary.

Operator Name: REVOLUTION RESOURCES LLC

Telephone: 4055345232

OTC/OCC Number: 24162 0

REVOLUTION RESOURCES LLC
14301 CALIBER DR STE 110
OKLAHOMA CITY, OK 73134-1016

REVOLUTION RESOURCES LLC
14301 CALIBER DR. STE 110
OKLAHOMA CITY OK 73134

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

Name	Depth	Name	Depth
1 HUNTON	6972	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 20212

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 15174

Ground Elevation: 1122

Surface Casing: 770

Depth to base of Treatable Water-Bearing FM: 720

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: 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: SALT PLAINS

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 19-37066
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 07 Twp 14N Rge 4W County OKLAHOMA

Spot Location of End Point: NE SE NW SW

Feet From: SOUTH 1/4 Section Line: 1800

Feet From: WEST 1/4 Section Line: 1100

Depth of Deviation: 6399

Radius of Turn: 573

Direction: 355

Total Length: 7875

Measured Total Depth: 15174

True Vertical Depth: 6972

End Point Location from Lease,
Unit, or Property Line: 1100

Notes:

Category

Description

HYDRAULIC FRACTURING

10/29/2019 - G71 - OCC 165:10-3-10 REQUIRES:

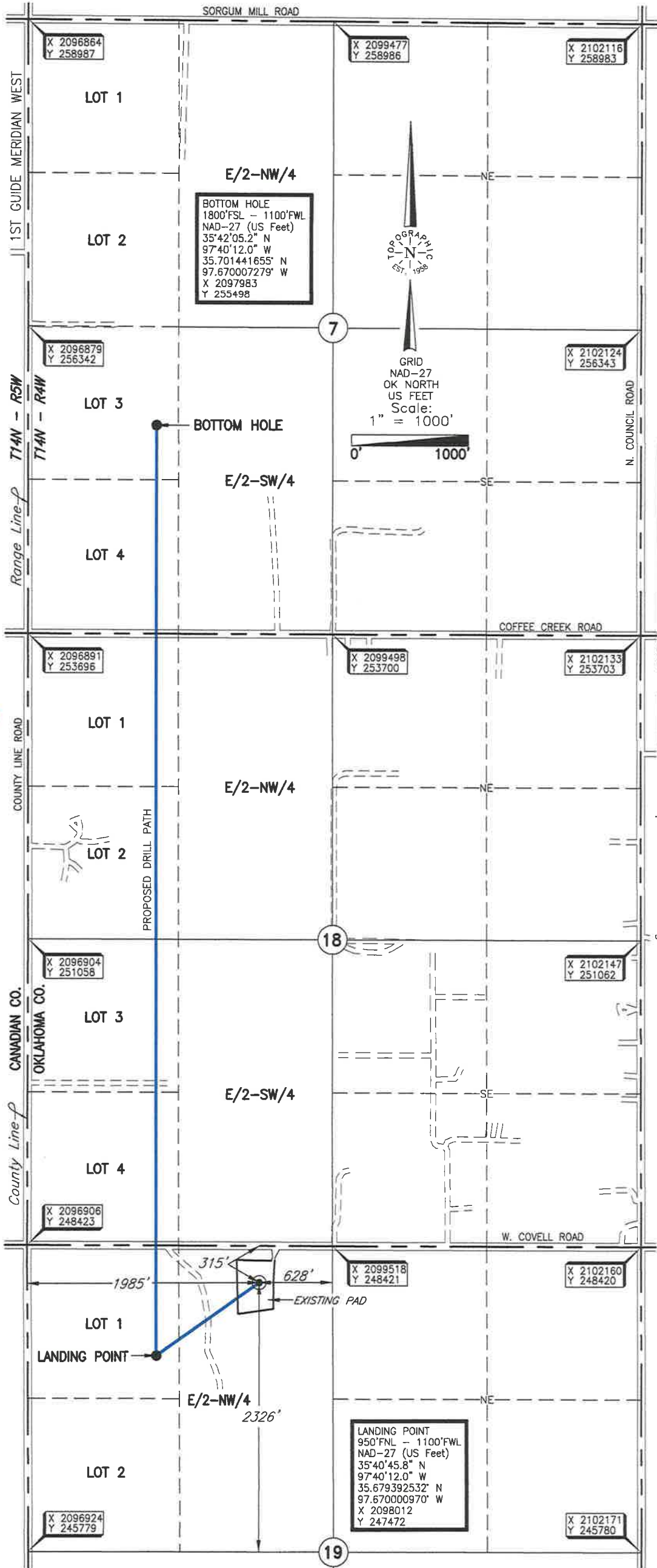
1) PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE;

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; 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

SPACING - 20212

11/18/2019 - GB1 - (UNIT) 7, 18, & 19-14N-4W
EST WEST EDMOND HUNTON LIME UNIT FOR HNTN



Operator: REVOLUTION RESOURCES
 Lease Name: GHOST 1404 19-07 Well No.: 1BH
 Topography & Vegetation Location fell on level pad, ±121 NE of existing well
 Good Drill Site? Yes Reference Stakes or Alternate Location Stakes Set None
 Best Accessibility to Location From North off county road
 Distance & Direction From the jct. of St. Hwy. 74 N-S and N. 206th St., go ±5 miles West on N. 206th St. to the NW Corner of Section 19, T14N - R4W.

ELEVATION:
 1122' Gr. at Level Pad

- NOTES:**
- THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY
 - LANDING POINT, BOTTOM HOLE AND DRILL PATH INFORMATION PROVIDED BY OPERATOR LISTED, NOT SURVEYED.

DATUM: NAD-27
 LAT: 35°40'52.1"N
 LONG: 97°40'01.3"W
 LAT: 35.681126963°N
 LONG: 97.667029132°W
 STATE PLANE
 COORDINATES: (US Feet)
 ZONE: OK NORTH
 X: 2098893
 Y: 248106

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

Project # 131038 Date of Drawing: October 25, 2019
 Date Staked: October 23, 2019 RKM

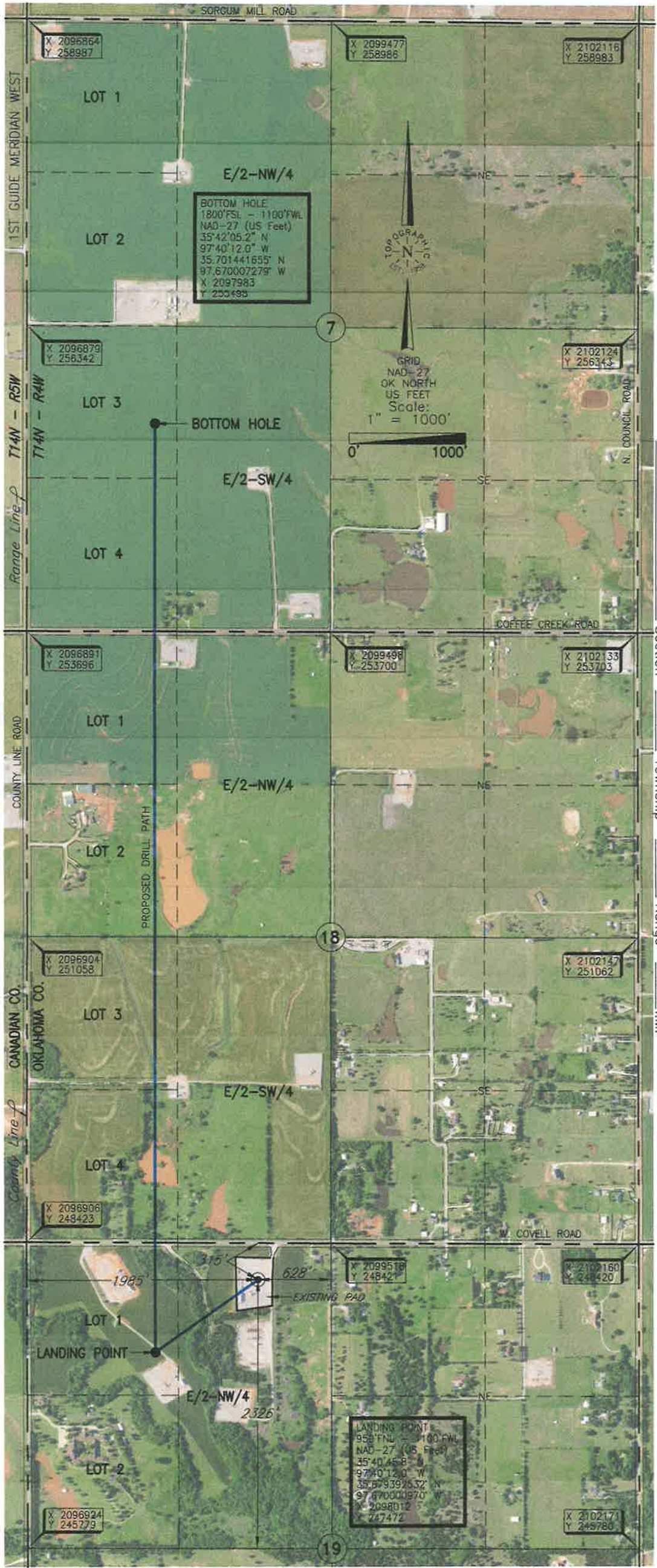
CERTIFICATE:

Thomas L. Howell on 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



315' FNL -- 1985' FWL Section 19 Township 14N Range 4W 1.M. County, Oklahoma



BOTTOM HOLE
 1800' FSL - 1100' FWL
 NAD-27 (US Feet)
 35°42'05.2" N
 97°40'12.0" W
 35,701,441,655" N
 97,670,007,278" W
 X 2097983
 Y 255493

GRID
 NAD-27
 OK NORTH
 US FEET
 Scale:
 1" = 1000'

LANDING POINT
 95' FNL - 1100' FWL
 NAD-27 (US Feet)
 35°40'45.8" N
 97°40'12.0" W
 35,679,397,532" N
 97,670,000,970" W
 X 2098012
 Y 247472

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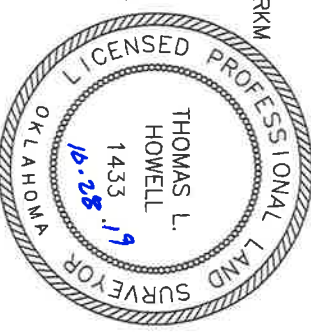
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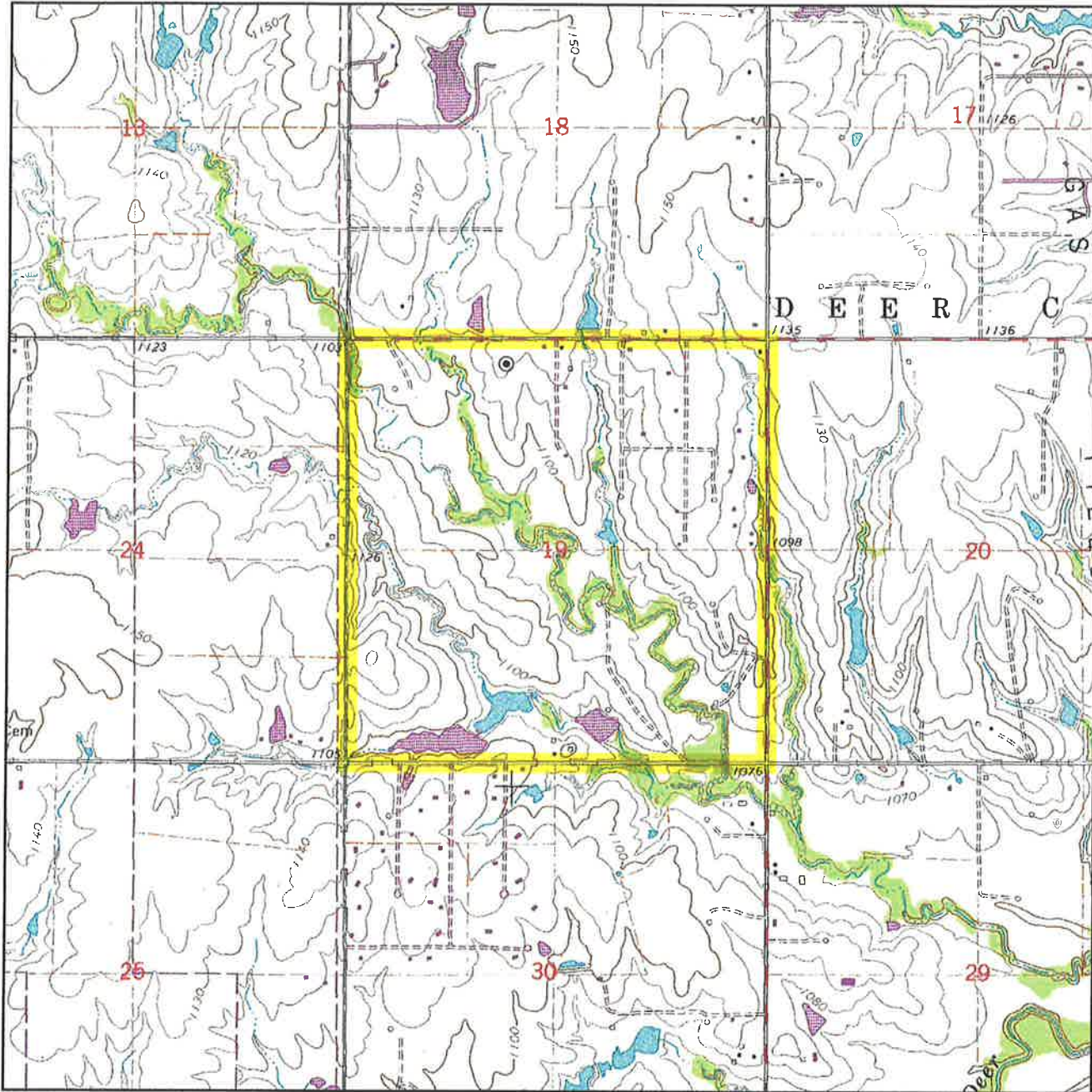
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TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

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

LOCATION & ELEVATION VERIFICATION MAP



Sec. 19 Twp. 14N Rng. 4W IM

County OKLAHOMA State OK

Operator REVOLUTION RESOURCES

Description 315'FNL - 1985'FWL

Lease GHOST 1404 19-07 1BH

Elevation 1122' Gr. at level pad

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.



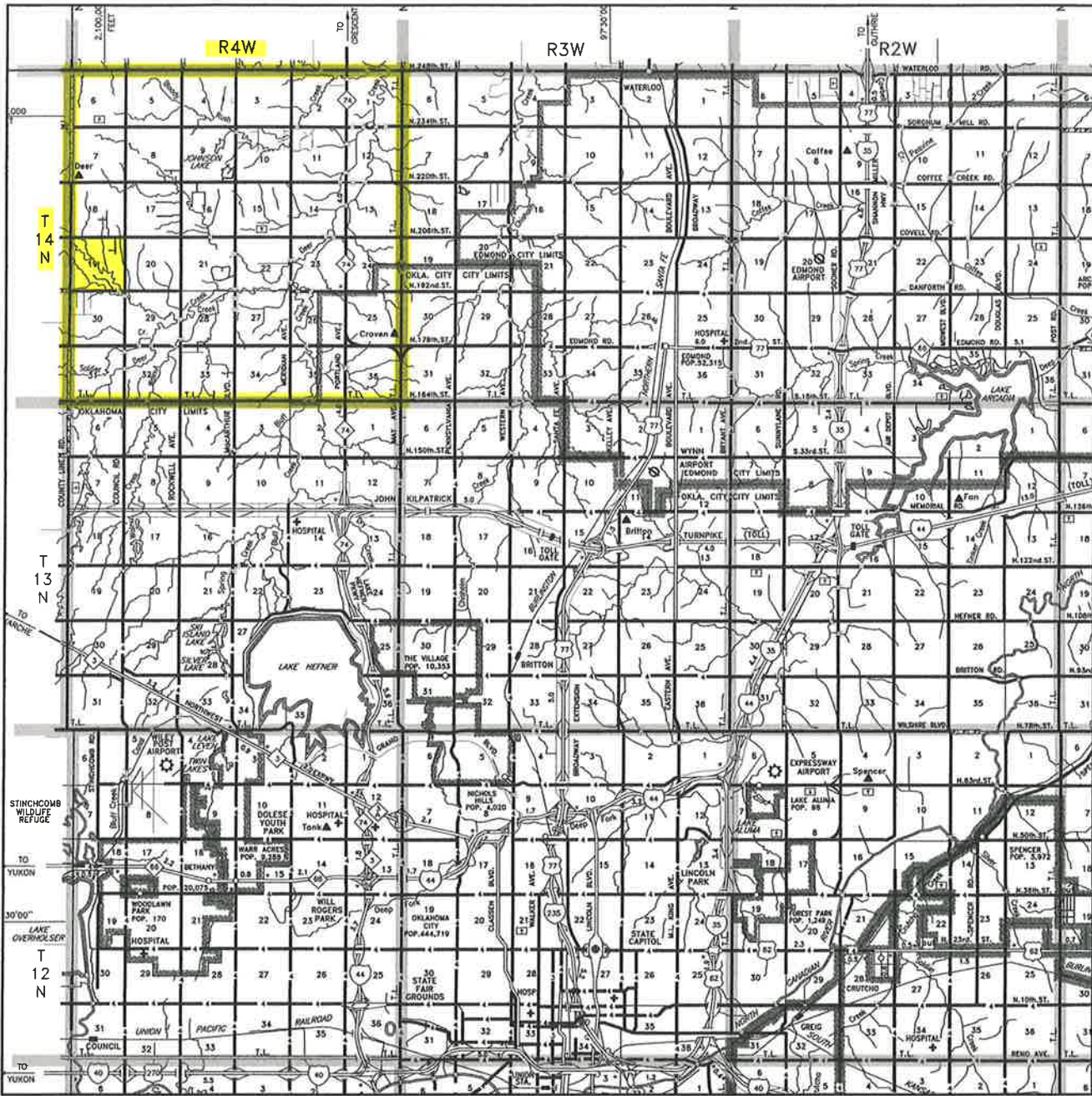
LAND SURVEYORS OF OKLAHOMA

October 23, 2019

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VICINITY MAP



Scale: 1" = 3 Miles

Sec. 19 Twp. 14N Rng. 4W IM

County OKLAHOMA State OK

Operator REVOLUTION RESOURCES

