

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

API NUMBER: 109 22483 A

Approval Date: 10/21/2019
Expiration Date: 04/21/2021

Horizontal Hole Oil & Gas

Amend reason: REVISED SHL & UPDATE BTW

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 27 Twp: 14N Rge: 4W

County: OKLAHOMA

SPOT LOCATION: ☐ NE ☐ SE ☐ SW ☐ SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 429 1039

Lease Name: GREYWORM 1404 27-22

Well No: 1BH

Well will be 272 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

ARCADIA FARMS, LLC
P.O. BOX 18756
OKLAHOMA CITY OK 73154

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

| Name | Depth | Name | Depth |
|----------|-------|------|-------|
| 1 HUNTON | 6566 | 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: 14082

Ground Elevation: 1078

Surface Casing: 650

Depth to base of Treatable Water-Bearing FM: 600

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 BED AQUIFER

Pit Location Formation: KINGMAN

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

PERMIT NO: 19-36999

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 22 Twp 14N Rge 4W County OKLAHOMA

Spot Location of End Point: N2 N2 N2 SW

Feet From: SOUTH 1/4 Section Line: 2600

Feet From: WEST 1/4 Section Line: 1320

Depth of Deviation: 5993

Radius of Turn: 573

Direction: 10

Total Length: 7189

Measured Total Depth: 14082

True Vertical Depth: 6566

End Point Location from Lease,
Unit, or Property Line: 1320

Notes:

Category

Description

HYDRAULIC FRACTURING

9/26/2019 - GC2 - 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

10/14/2019 - GC2 - (UNIT) 27 & 22-14N-4W
EST WEST EDMOND HUNTON LIME UNIT FOR THE HNTN

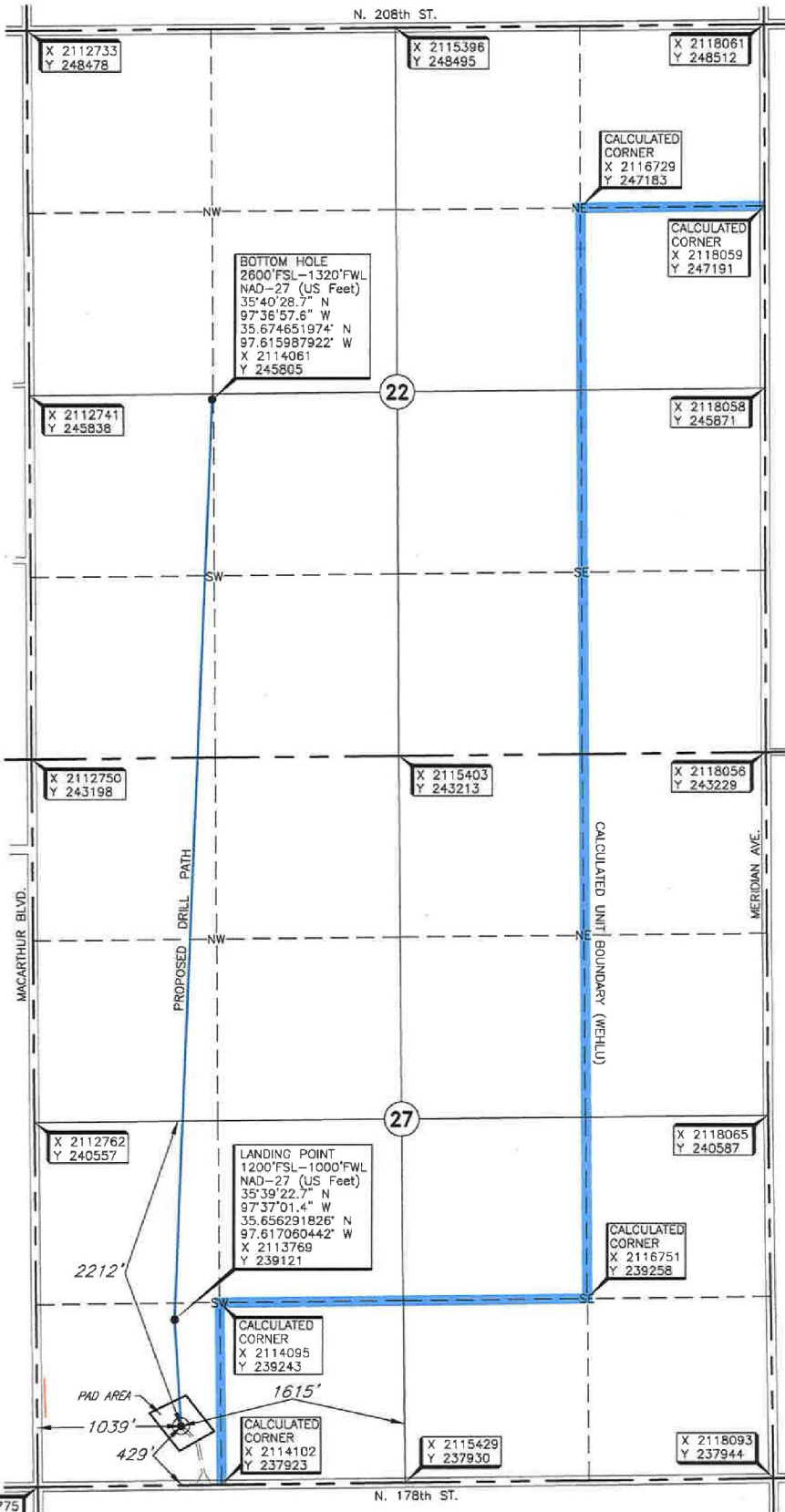
TOPOGRAPHIC LAND SURVEYORS

13800 Wireless Way, Okla. City, OK, 73134 • LOCAL (405) 843-4847 • OUT OF STATE (800) 654-3219
Certificate of Authorization No. 1292 LS

OKLAHOMA

County, Oklahoma

429' FSL - 1039' FWL Section 27 Township 14N Range 4W I.M.



Operator: REVOLUTION RESOURCES
Lease Name: GREYWORM 1404 27-22
Topography & Vegetation: Location fell on level pad.
Well No.: 1BH
ELEVATION: 1078 Gr. at level pad

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

Best Accessibility to Location: From West off county road
Distance & Direction: From the jct. of St. Hwy. 74 & N. 164th St., go ±1 mile North, then ±2 miles West to the SW Cor. of Sec. 27-T14N-RAW

NOTES:

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

DATUM: NAD-27
LAT: 35°39'15.0"N
LONG: 97°37'00.9"W
LAT: 35.654174489° N
LONG: 97.616927165° W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK NORTH
X: 2113811
Y: 238350

Revision ☒ D

Date of Drawing: January 16, 2020

Project # 128504

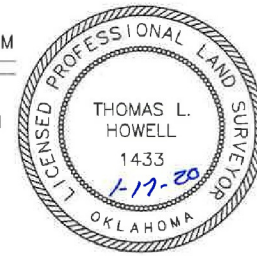
Date Staked: January 15, 2020

RKM

CERTIFICATE:

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

Thomas L. Howell
Oklahoma Lic. No. 1433



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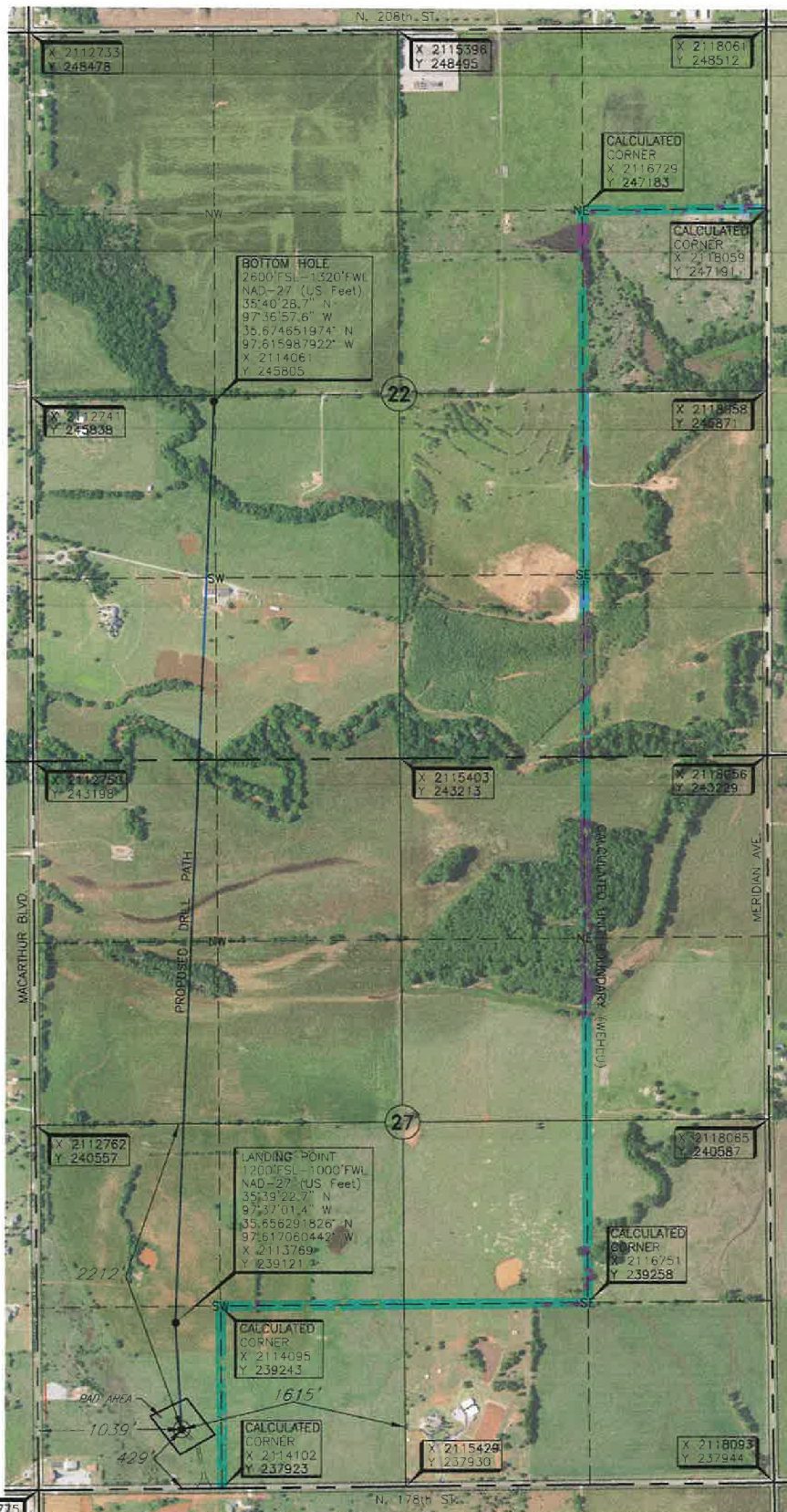
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 Topography & Vegetation Location fell on level pod.
 Good Drill Site? Yes
 Reference Stakes or Alternate Location
 Stakes Set None
 Best Accessibility to Location From West off county road
 Distance & Direction From the jct. of St. Hwy. 74 & N. 164th St., go \pm 1 mile North, then 42 miles West to the SW Cor. of Sec. 27-14N-R4W

Well No.: 1BH

ELEVATION:
1078' Gr. at level pod

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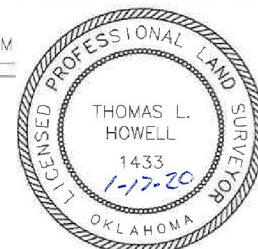
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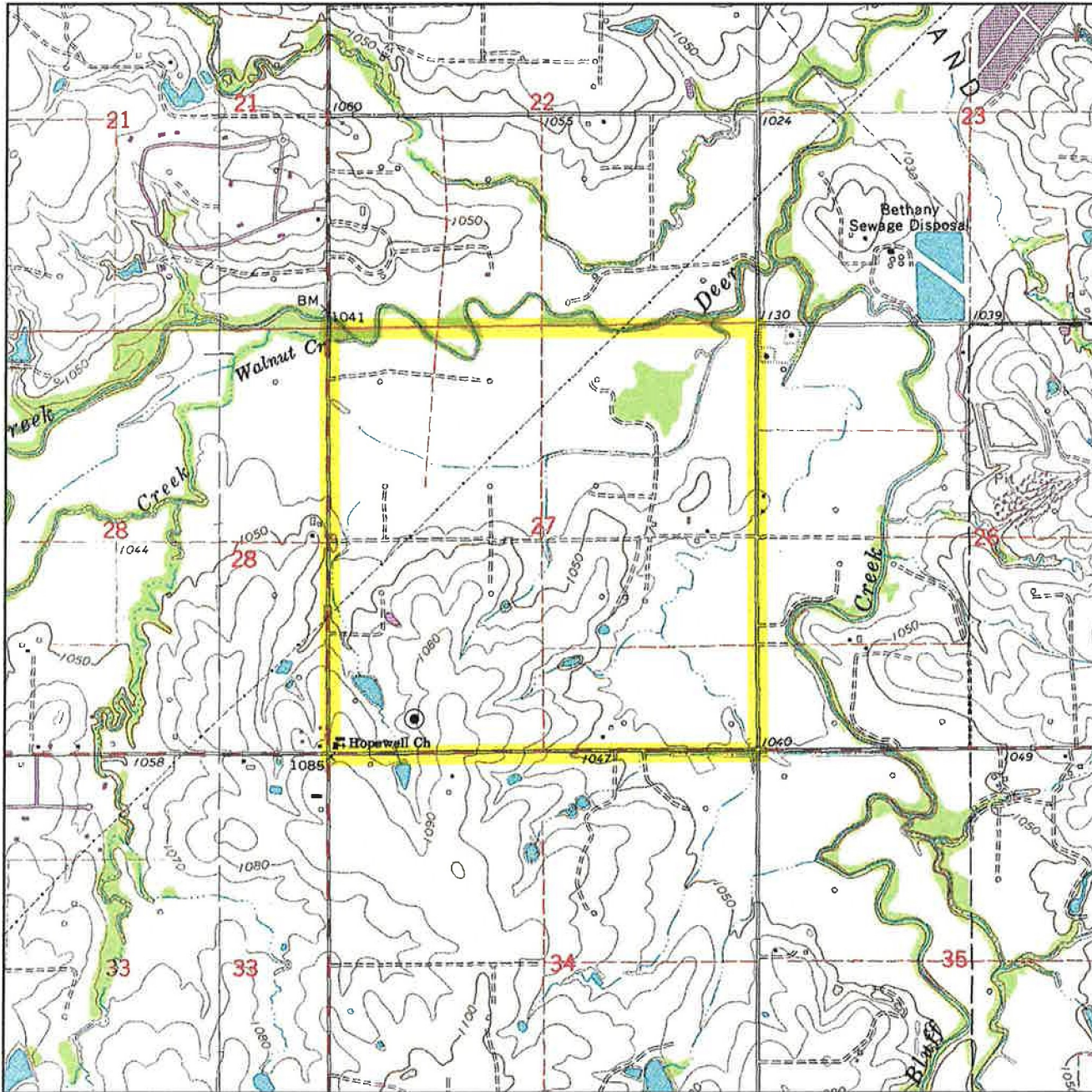
TOPOGRAPHIC LAND SURVEYORS

Surveying and Mapping for the Energy Industry

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

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

LOCATION & ELEVATION VERIFICATION MAP



Sec. 27 Twp. 14N Rng. 4W I.M.

County OKLAHOMA State OK

Operator REVOLUTION RESOURCES

Description 429'FSL-1039'FWL

Lease GREYWORM 1404 27-22 1BH

Elevation 1078' 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.



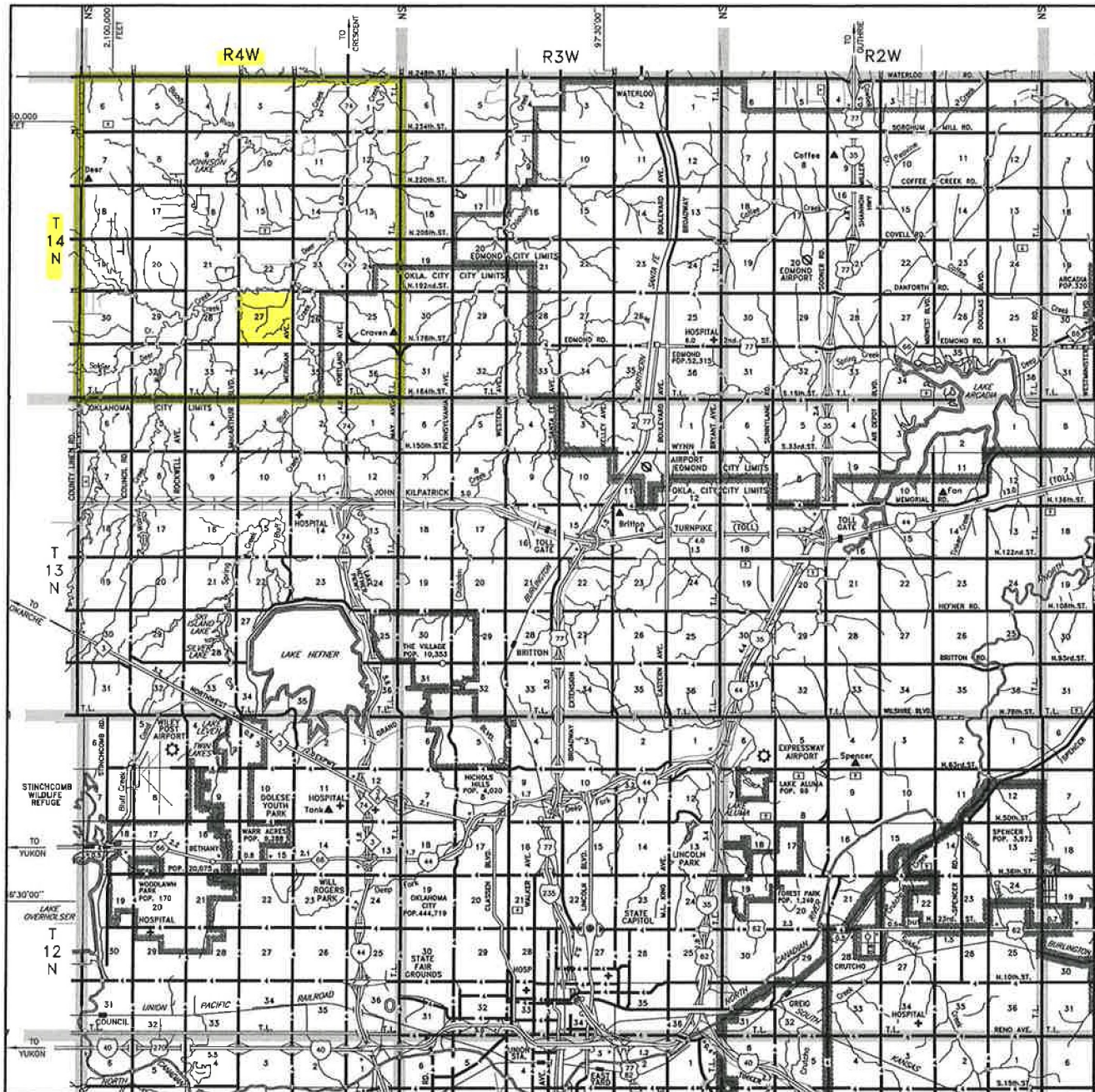
TOPOGRAPHIC
LOYALTY INNOVATION LEGACY

January 15, 2019

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VICINITY MAP



Scale: 1" = 3 Miles

Sec. 27 Twp. 14N Rng. 4W I.M.

County OKLAHOMA State OK

Operator REVOLUTION RESOURCES



| | |
|---------------|-----------------|
| SCALE: | 1"=100' |
| DATE: | 11/05/19 |
| PROJECT NO.: | 128504 |
| PROJECT NAME: | GREYWORM |
| DWG. NAME: | BO_GREYWORM PAD |
| SHEET | 1 OF 1 |