API NUMBER: 071 24925

Straight Hole Oil & Gas

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

Approval Date: 02/11/2021
Expiration Date: 08/11/2022

PERMIT TO DRILL

WELL LOCATION: Section: 19 Township: 27N Range: 2E County: KAY

SPOT LOCATION: NW SE NE SE FEET FROM QUARTER: FROM **SOUTH** FROM **EAST**

SECTION LINES: **1960** **400**

Lease Name: **OTTO** **Well No:** **1-19** **Well will be** **400** **feet from nearest unit or lease boundary.**

Operator Name: **TRUEVINE OPERATING LLC** Telephone: 5804277919; 5804277919 OTC/OCC Number: 22516 0

TRUEVINE OPERATING LLC
PO BOX 1422
ADA, OK 74821-1422

EVELYN M OTTO REVOCABLE LIVING TRUST
3808 W WOODLAND TRAILS
STILLWATER OK 74074

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

	Name	Code	Depth
1	VERTZ	406VRTZ	1985
2	ENDICOTT	406ENDC	2060
3	TONKAWA	406TNKW	2580
4	LAYTON	405LYTN	2840
5	CLEVELAND	405CLVD	3190
6	OSWEGO	404OSWG	3320
7	SKINNER	404SKNR	3550
8	RED FORK	404RDFK	3610
9	MISSISSIPPIAN	359MSSP	3760
10	WILCOX	202WLCX	4095

Spacing Orders: No Spacing
Location Exception Orders: No Exceptions
Increased Density Orders: No Density Orders

Pending CD Numbers: No Pending
Working interest owners' notified: ***
Special Orders: No Special Orders

Total Depth: 4400 Ground Elevation: 1076 **Surface Casing: 220** Depth to base of Treatable Water-Bearing FM: 170

Under Federal Jurisdiction: No
Fresh Water Supply Well Drilled: No
Surface Water used to Drill: Yes

Approved Method for disposal of Drilling Fluids:
D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 21-37515

PIT 1 INFORMATION

Type of Pit System: ON SITE
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: 2
Liner not required for Category: 2
Pit Location is: BED AQUIFER
Pit Location Formation: WELLINGTON

NOTES:

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.

Category	Description
HYDRAULIC FRACTURING	[1/27/2021 - GC2] - OCC 165:10-3-10 REQUIRES: 1) NOTICE SHALL BE GIVEN AT LEAST 5 BUSINESS DAYS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS ON A HORIZONTAL WELL TO OPERATORS PRODUCING WELLS WITHIN 1 MILE OF THE COMPLETION INTERVAL OF THE SUBJECT WELL. THE NOTICE TO SUCH OPERATORS SHALL CONTAIN THE INFORMATION IN FORM 6000NOO. IF THE HYDRAULIC FRACTURING OPERATIONS SCHEDULE CHANGES AFTER NOTICE HAS BEEN PROVIDED, RESULTING IN A DELAY OF OPERATIONS OF MORE THAN 5 DAYS FROM THE INITIAL NOTICE, NEW NOTICE IS REQUIRED TO BE GIVEN; 2) NOTICE WILL BE GIVEN TO THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS. FORM 6000NHF SHALL BE USED AND IS FOUND AT THIS LINK: OCCEWEB.COM/OG/OGFORMS.HTML; AND, 3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS IS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION OF HYDRAULIC FRACTURING OPERATIONS, FOUND AT FRACFOCUS.ORG
SPACING	[2/11/2021 - GC2] - FORMATIONS UNSPACED 320-ACRE LEASE E2

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.

WELL LOCATION

OTTO 1-19
TRUEVINE OPERATING, LLC.
SECTION 19, TOWNSHIP 27N, RANGE 2E, I.M.
KAY COUNTY, OKLAHOMA

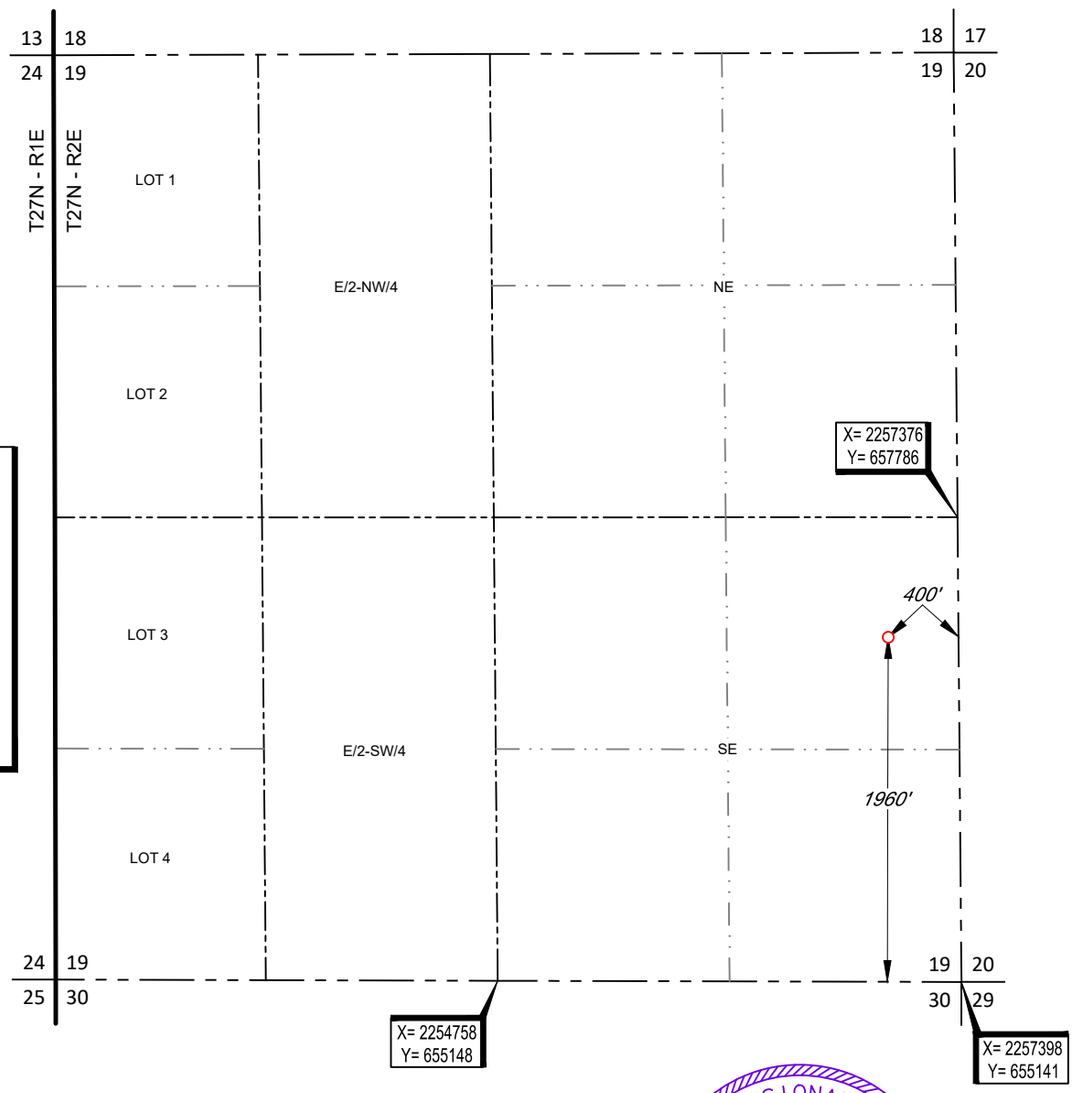
LEGEND

- SECTION LINE
- RANGE LINE
- QUARTER SECTION LINE
- 16TH LINE

GRID
NAD-27
OK NORTH
US FEET

SCALE: 1" = 1000'

0' 500' 1000'



SURFACE LOCATION
1960' FSL & 400' FEL
NAD-27
X= 2256981
Y= 657102
LAT.: 36°48'06.9" N
LONG.: 97°07'20.3" W
LAT.: 36.801928° N
LONG.: 97.122311° W
ELEV: 1075' (NGVD29)
NAD-83
LAT.: 36°48'07.1" N
LONG.: 97°07'21.5
ELEV.: 1076' (NAVD88)

LICENSED PROFESSIONAL LAND SURVEYOR
THOMAS L. HOWELL
1433
01-22-21
OKLAHOMA

SURVEYOR'S 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

Thomas L. Howell, P.L.S. No. 1433
Authorized Agent of Topographic Land Surveyors

TOPOGRAPHIC
LOYALTY INNOVATION LEGACY
13800 WIRELESS WAY • OKLAHOMA CITY, OKLAHOMA 73134
TELEPHONE: (405) 843-4847 OR (800) 654-3219
CERTIFICATE OF AUTHORIZATION NO. 1292 LS
WWW.TOPOGRAPHIC.COM

LEASE NAME & WELL NO. OTTO 1-19

SECTION 19 TWP 27N RGE 2E MERIDIAN I.M.
COUNTY KAY STATE OKLAHOMA
DESCRIPTION 1960' FSL & 400' FEL

OTTO 1-19	REVISION:	
	INT	DATE
	TR	01-22-21
DATE: 01/20/2021		
FILE:LO_OTTO_1-19_REV1		
DRAWN BY: KEU		
SHEET : 1 OF 2		

NOTES:
1. ORIGINAL DOCUMENT SIZE: 8.5" X 14"
2. ALL BEARINGS SHOWN HEREON ARE GRID ACCORDING TO THE RESULTS OF STATIC GPS OBSERVATIONS PROCESSED THROUGH OPUS ON THE CONTROL POINT OCCUPIED WHILE MEASURING SAID LINES. OPUS RESULTS ARE CORRELATED TO OKLAHOMA, NORTH ZONE, NAD 27 - HORIZONTAL AND THE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
3. CERTIFICATION IS MADE ONLY TO THE LOCATION OF THIS EASEMENT/LOCATION, IN RELATION TO THE EVIDENCE FOUND DURING A FIELD SURVEY, MADE ON THE GROUND, UNDER MY SUPERVISION, AND USING DOCUMENTATION PROVIDED BY TRUEVINE OPERATING, LLC.. ONLY UTILITIES/EASEMENTS THAT WERE VISIBLE ON THE DATE OF THIS SURVEY, WITHIN/ADJOINING THIS EASEMENT/LOCATION, HAVE BEEN LOCATED AS SHOWN HEREON OF WHICH I HAVE KNOWLEDGE. THIS CERTIFICATION IS LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE, AND MADE FOR THIS TRANSACTION ONLY.
4. LANDING POINT, BOTTOM HOLE, AND DRILL PATH INFORMATION PROVIDED BY OPERATOR AS SHOWN AND ARE NOT SURVEYED LOCATIONS.
5. THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY

WELL LOCATION

OTTO 1-19
TRUEVINE OPERATING, LLC.
SECTION 19, TOWNSHIP 27N, RANGE 2E, I.M.
KAY COUNTY, OKLAHOMA

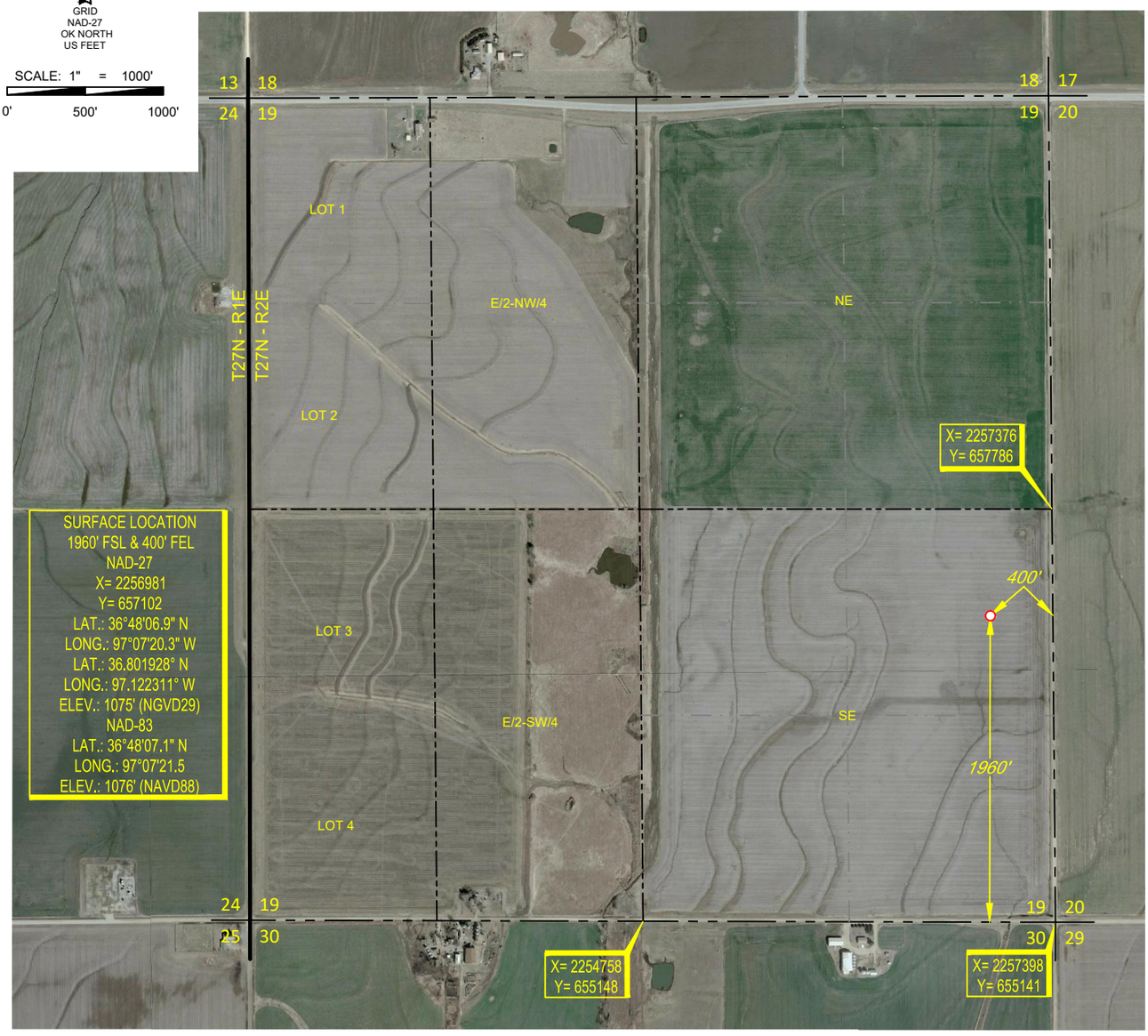
LEGEND

- SECTION LINE
- RANGE LINE
- QUARTER SECTION LINE
- 16TH LINE

GRID
NAD-27
OK NORTH
US FEET

SCALE: 1" = 1000'

0' 500' 1000'



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LEASE NAME & WELL NO. OTTO 1-19

SECTION 19 TWP 27N RGE 2E MERIDIAN I.M.
COUNTY KAY STATE OKLAHOMA
DESCRIPTION 1960' FSL & 400' FEL

OTTO 1-19	REVISION:	
	INT	DATE
	TR	01-22-21
DATE: 01/20/2021		
FILE:LO_OTTO_1-19_REV1		
DRAWN BY: KEU		
SHEET : 2 OF 2		

NOTES:
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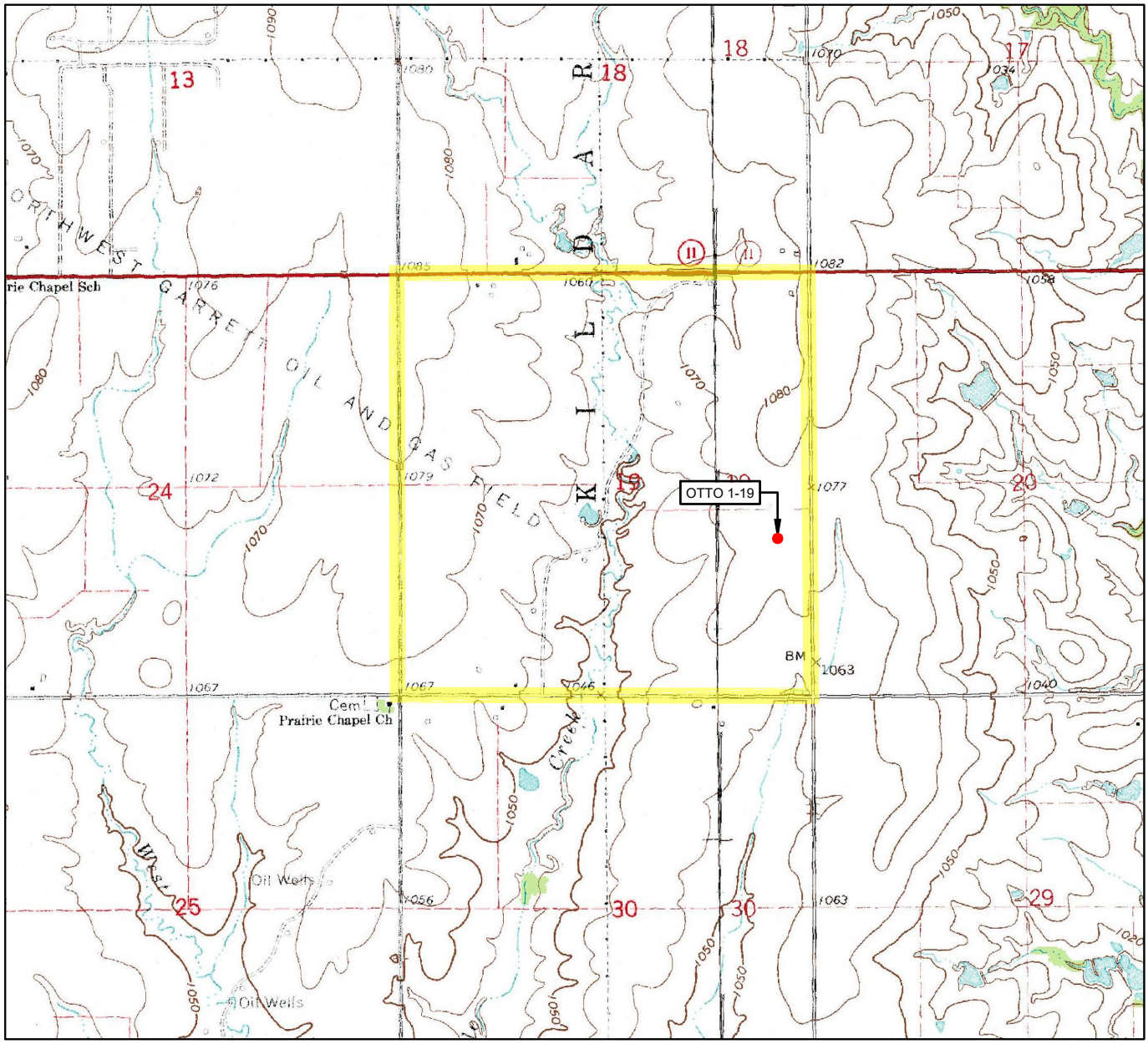
LOCATION & ELEVATION VERIFICATION MAP



LEASE NAME & WELL NO. OTTO 1-19

SECTION 19 TWP 27N RGE 2E MERIDIAN I.M.

COUNTY KAY STATE OKLAHOMA

DESCRIPTION 1960' FSL & 400' FEL

ELEVATION (NGVD29) 1075'

ELEVATION (NAVD88) 1076'

SCALE: 1" = 2000'

0' 1000' 2000'

THIS EASEMENT/SERVITUDE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY TRUEVINE OPERATING, LLC.. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE OKLAHOMA STATE PLANE COORDINATE SYSTEM, NORTH ZONE OF THE NORTH AMERICAN DATUM 1927, U.S. SURVEY FEET AND THE NATIONAL GEODETIC VERTICAL DATUM OF 1929.

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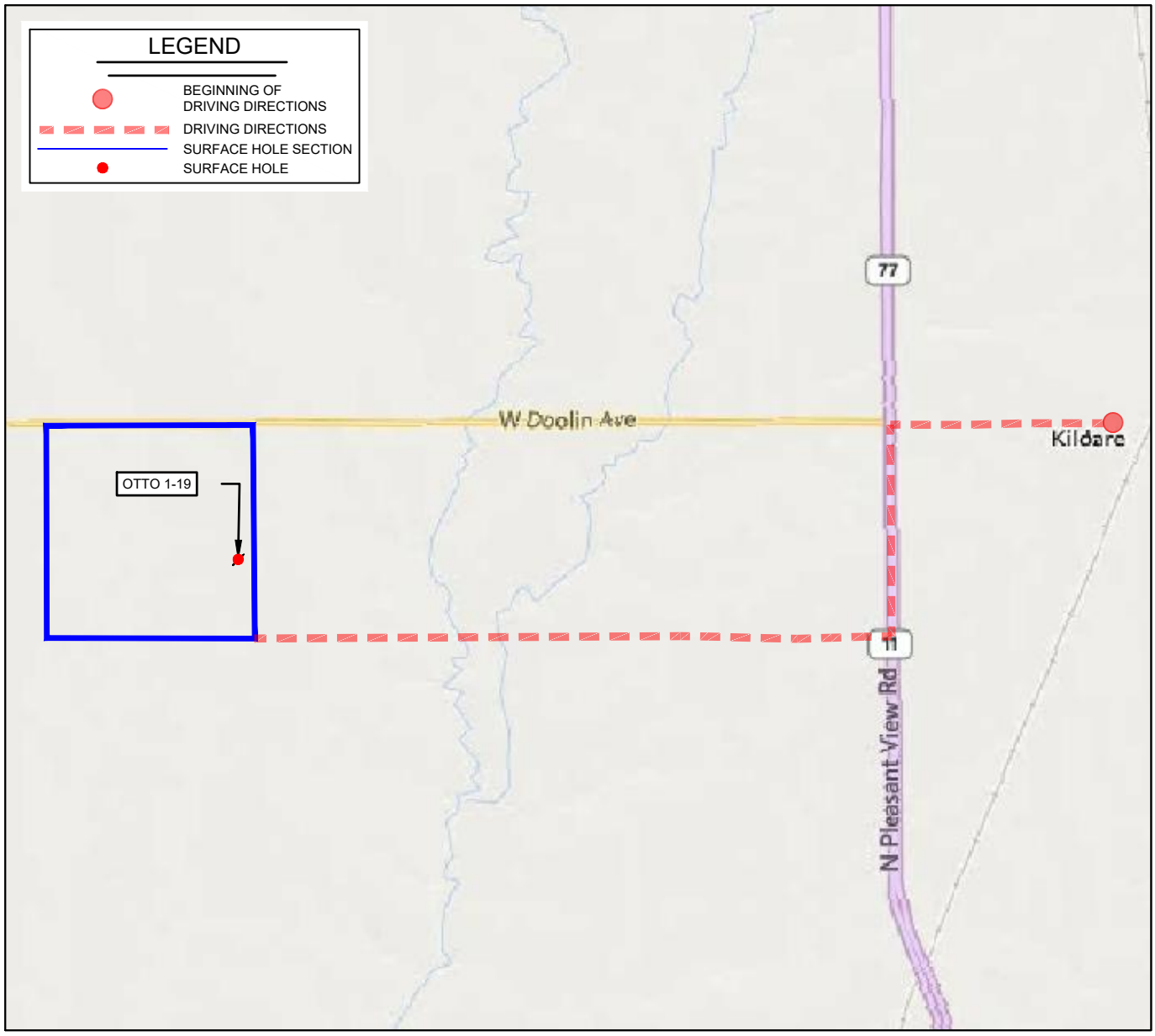
VICINITY MAP



LEASE NAME & WELL NO. OTTO 1-19

SECTION 19 TWP 27N RGE 2E MERIDIAN I.M.

COUNTY KAY STATE OKLAHOMA

DESCRIPTION 1960' FSL & 400' FEL

DISTANCE & DIRECTION

FROM KILDARE, OK GO ±1.0 MI. WEST ON KILDARE RD., THEN ±1.0 MI. SOUTH ON OK-77/OK-11, THEN ±3.0 MI. WEST ON W. FURGUSON AVE. TO THE SOUTHEAST CORNER OF SECTION 19-T27N-R2E.

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SCALE: 1" = 4000'

0' 2000' 4000'

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