API NUMBER: 109 22512

Horizontal 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: 02/04/2022
Expiration Date: 08/04/2023

PERMIT TO DRILL

WELL LOCATION: Section: 05 Township: 12N Range: 4W County: OKLAHOMA

SPOT LOCATION: SW NW NE NE FEET FROM QUARTER: FROM **NORTH** FROM **EAST**

SECTION LINES: **436** **1096**

Lease Name: **WALDEN 1204 05-20** **Well No:** **4BH** **Well will be** **436** **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

CITY OF OKLAHOMA CITY
200 N WALKER AVE
2ND FLR
OKLAHOMA CITY OK 73102

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

	Name	Code	Depth
1	HUNTON	269HNTN	7155

Spacing Orders: 20212 Location Exception Orders: No Exceptions Increased Density Orders: No Density

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

Total Depth: 19769 Ground Elevation: 1283 **Surface Casing: 1080** Depth to base of Treatable Water-Bearing FM: 1030

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: 22-38096

H. (Other) CLOSED SYSTEM=STEEL PITS (REQUIRED - BLUFF CREEK CANAL)

PIT 1 INFORMATION

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? Y
Wellhead Protection Area? Y
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: BISON

HORIZONTAL HOLE 1

Section: 20 Township: 13N Range: 4W Meridian: IM
County: OKLAHOMA
Spot Location of End Point: SW NE NW SE
Feet From: **SOUTH** 1/4 Section Line: 2071
Feet From: **EAST** 1/4 Section Line: 1721

Total Length: 12069
Measured Total Depth: 19769
True Vertical Depth: 7205
End Point Location from Lease,Unit, or Property Line: 919

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	[2/2/2022 - 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
PUBLIC WATER SUPPLY	[2/2/2022 - GC2] - BETHANY - 1 WELL, W2 5-12N-4E
SPACING - 20212	[2/4/2022 - G56] - (UNIT) E2, SE4 NW4 20, E2, NE4 SW4 29, N2 NE4, SE4 NE4, NE4 SE4 32 & 33 13N-4W EST WEST EDMOND HUNTON LIME UNIT FOR HNTN
SURFACE CASING	[2/3/2022 - GC2] - NO DEEP SURFACE CASING DUE TO BEING INSIDE A PWS BOUNDARY

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

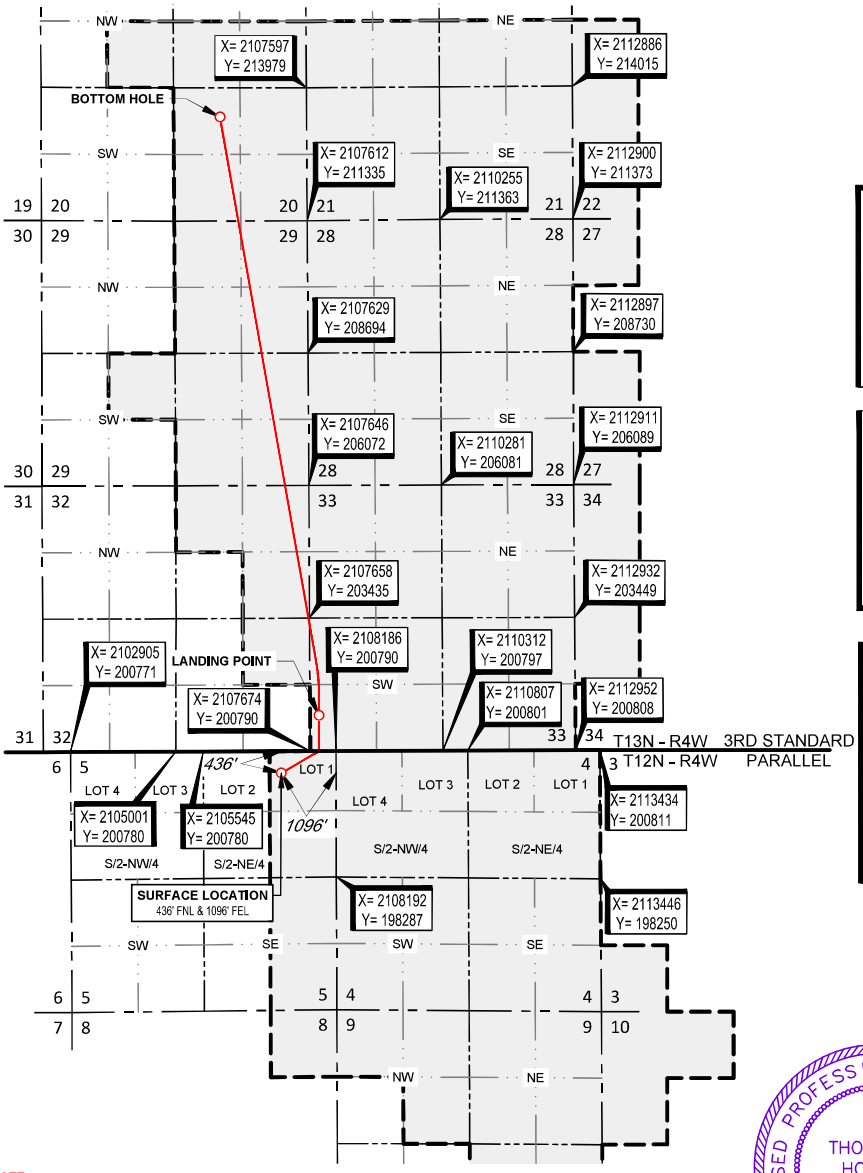
WALDEN 1204 05-20 4BH
REVOLUTION RESOURCES
SECTION 5, TOWNSHIP 12N, RANGE 4W, I.M.
OKLAHOMA COUNTY, OKLAHOMA

LEGEND

- SECTION LINE
- TOWNSHIP LINE
- QUARTER SECTION LINE
- 16TH LINE
- PROPOSED WELL BORE
- UNIT BOUNDARY

SCALE: 1" = 3000'
0' 1500' 3000'

GRID NAD-27 OK NORTH US FEET



BOTTOM HOLE
2071' FSL & 1721' FEL
MD: ±19572'
NAD-27
X= 2105880
Y= 213400
LAT.: 35°35'08.6" N
LONG.: 97°38'38.2" W
LAT.: 35.585715° N
LONG.: 97.643931° W

LANDING POINT
709' FSL & 178' FWL
MD: ±7500'
NAD-27
X= 2107848
Y= 201499
LAT.: 35°33'10.8" N
LONG.: 97°38'14.9" W
LAT.: 35.553000° N
LONG.: 97.637462° W

SURFACE LOCATION
436' FNL & 1096' FEL
NAD-27
X= 2107091
Y= 200350
LAT.: 35°32'59.5" N
LONG.: 97°38'24.1" W
LAT.: 35.549853° N
LONG.: 97.640020° W
NAD-83
LAT.: 35°32'59.7" N
LONG.: 97°38'25.2" W

NOTE:
WELL IS CALCULATED, NOT SURVEYED IN THE FIELD

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.

LICENSED PROFESSIONAL LAND SURVEYOR
THOMAS L. HOWELL
1433
01-12-22
OKLAHOMA

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

TOPOGRAPHIC
LOYALTY INNOVATION LEGACY
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TELEPHONE: (405) 843-4847 OR (800) 654-3219
FAX: (405) 843-0975
CERTIFICATE OF AUTHORIZATION NO. 1292 LS
WWW.TOPOGRAPHIC.COM

LEASE NAME & WELL NO. WALDEN 1204 05-20 4BH
SECTION 5 TWP 12N RGE 4W MERIDIAN I.M.
COUNTY OKLAHOMA STATE OKLAHOMA
DESCRIPTION 436' FNL & 1096' FEL

WALDEN 1204 05-20 4BH	REVISION: INT	DATE
DATE: 1/10/2021		
FILE: LO_WALDEN_1204_05-20_4BH		
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 REVOLUTION RESOURCES. 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.
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OKLAHOMA COUNTY, OKLAHOMA

LEGEND

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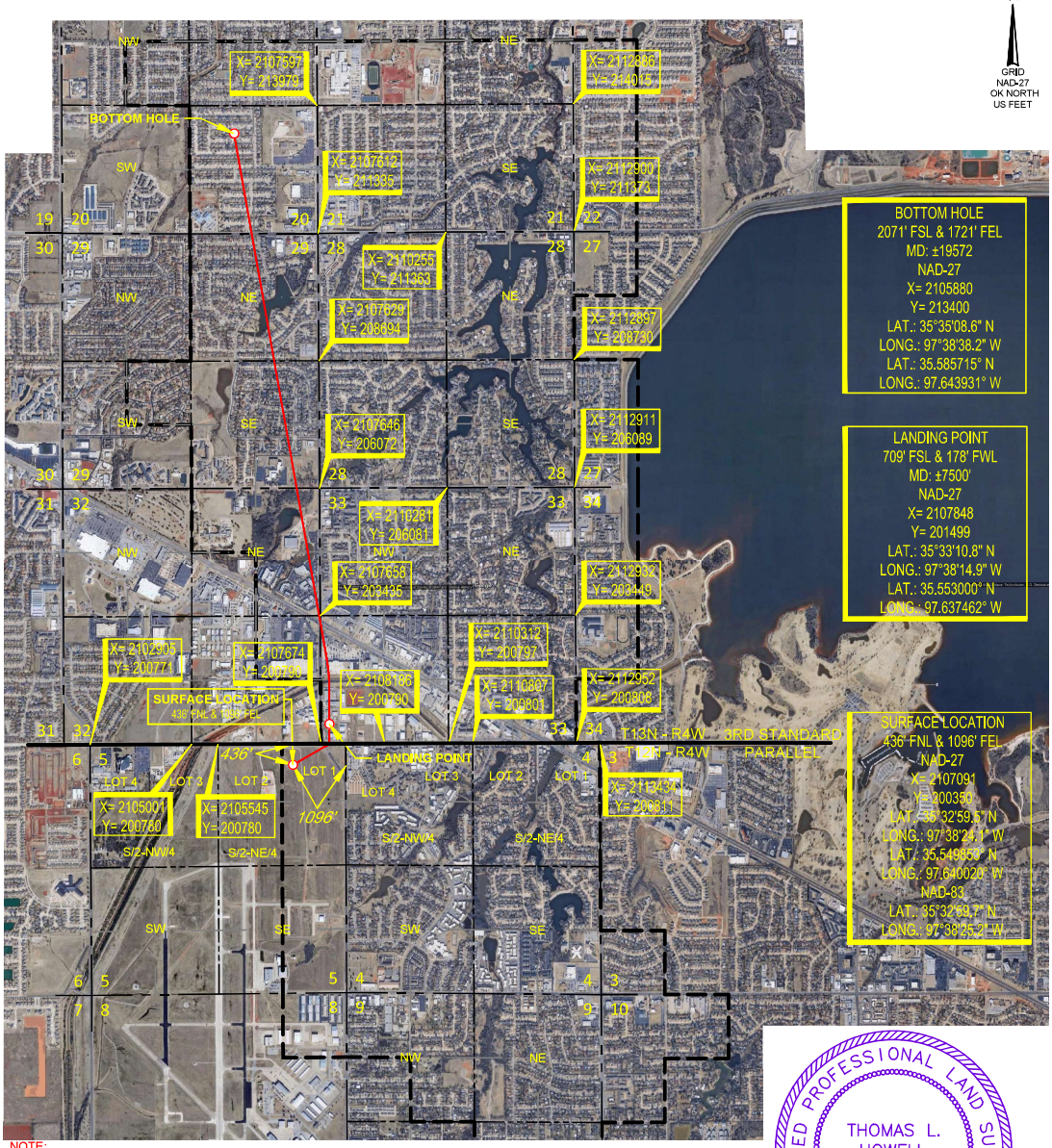

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SECTION 5 TWP 12N RGE 4W MERIDIAN I.M.
COUNTY OKLAHOMA STATE OKLAHOMA
DESCRIPTION 436' FNL & 1096' FEL

WALDEN 1204 05-20 4BH	REVISION: INT	DATE
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FILE: LO_WALDEN_1204_05-20_4BH		
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SHEET : 2 OF 2		

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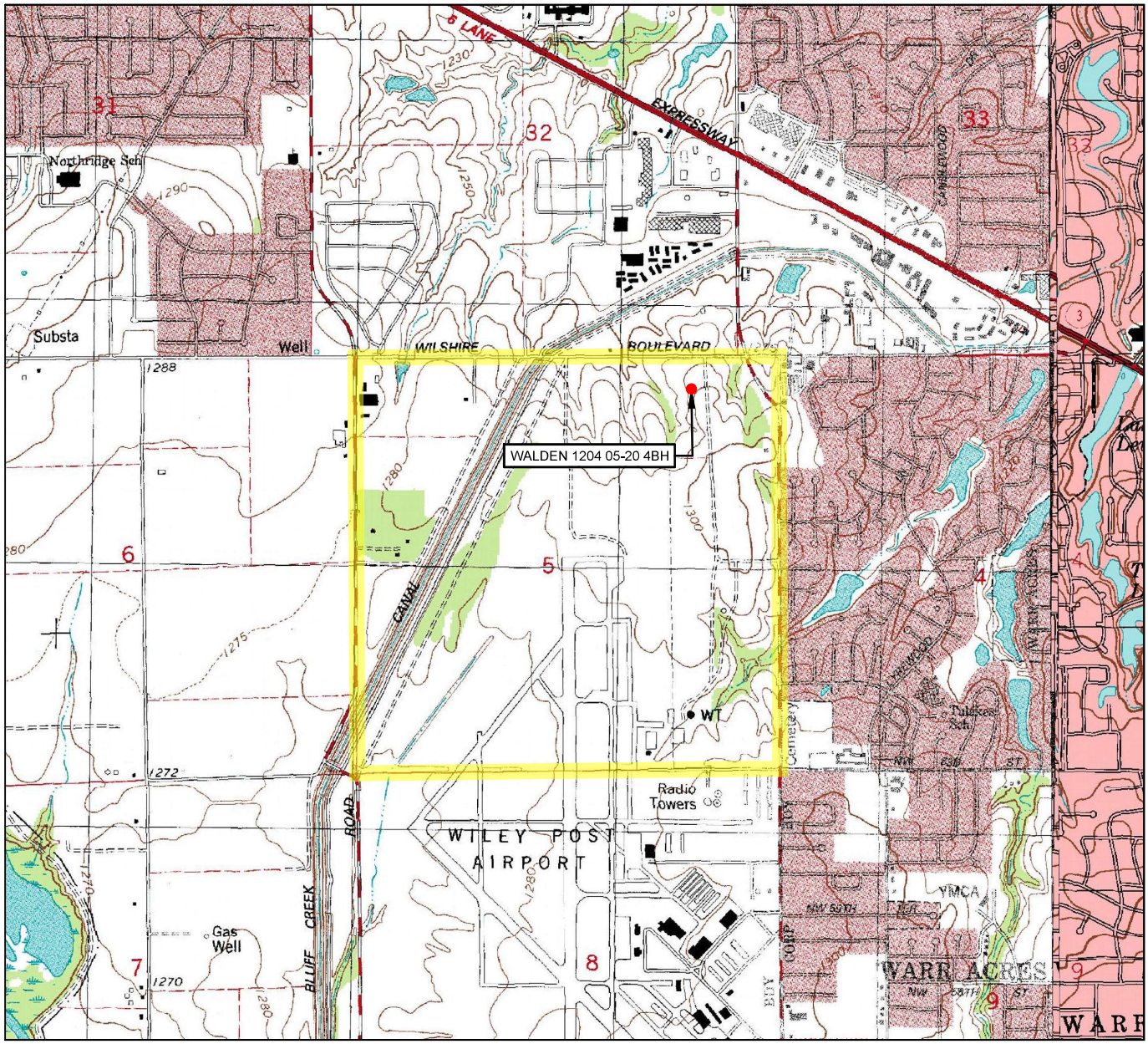
LOCATION & ELEVATION VERIFICATION MAP



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DESCRIPTION 436' FNL & 1096' FEL

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0' 1000' 2000'

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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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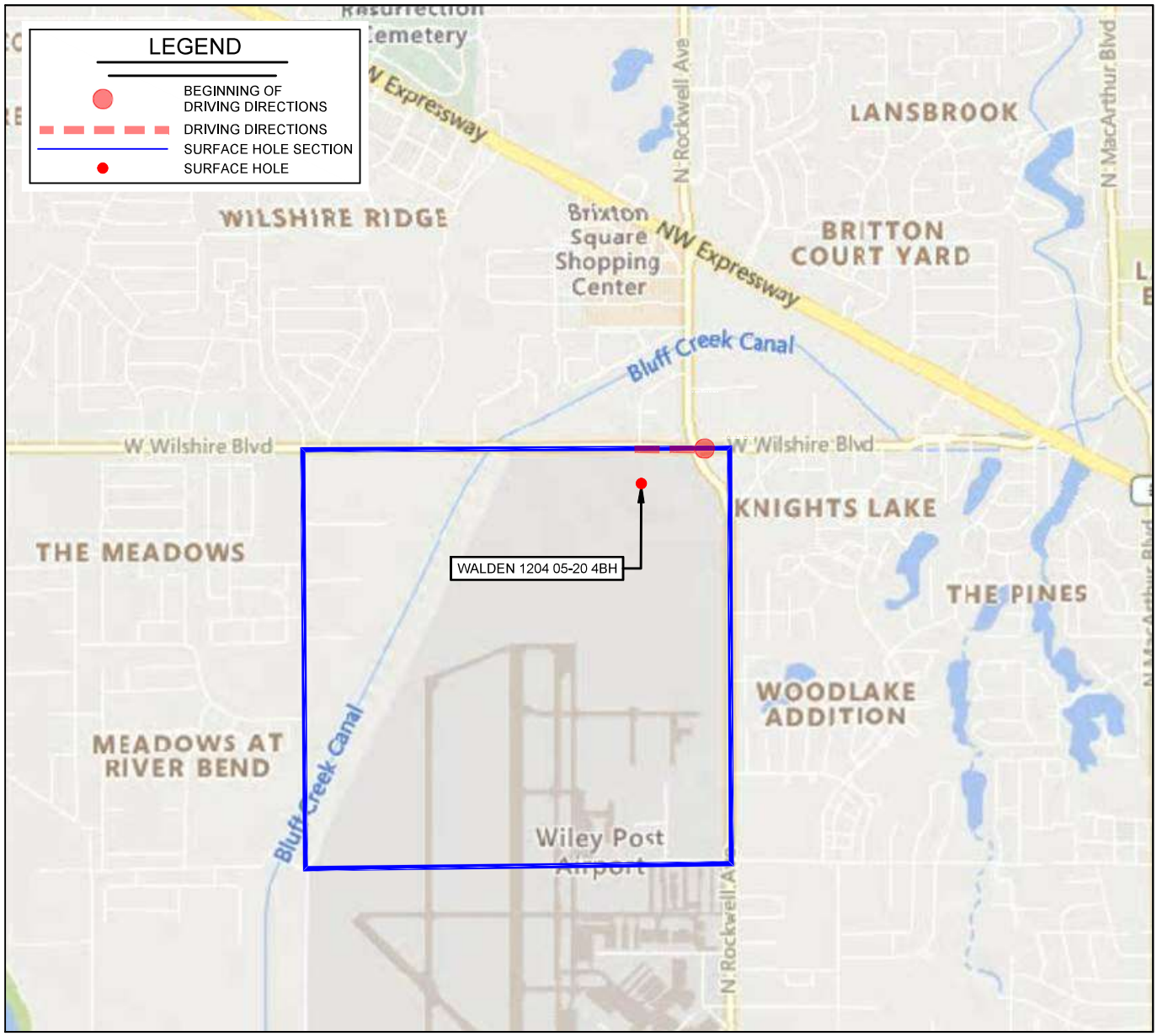
VICINITY MAP



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COUNTY OKLAHOMA STATE OKLAHOMA

DESCRIPTION 436' FNL & 1096' FEL

DISTANCE & DIRECTION

FROM THE INTERSECTION OF W. WILSHIRE BLVD. & N. ROCKWELL AVE., GO ±0.15 MI. WEST ON N. ROCKWELL AVE. TO THE NORTH GATE OF WILEY POST AIRPORT AND PROPOSED LOCATION IN THE NORTHEAST QUARTER OF 5-12N-4W.

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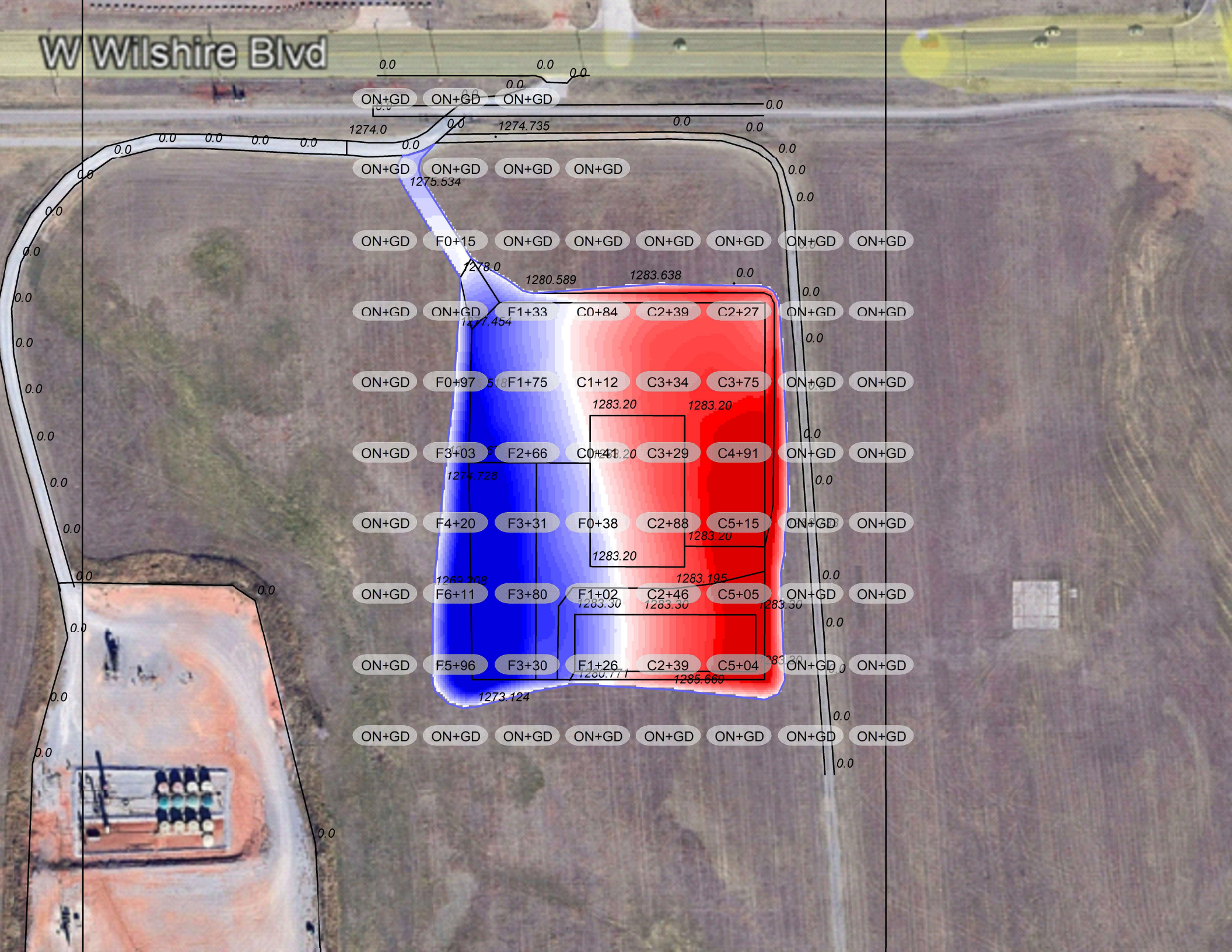
W Wilshire Blvd
ON+GD
F0+15
F1+33
C0+84
C2+39
C2+27
F0+97
F1+75
C1+12
C3+34
C3+75
F3+03
F2+66
C0+41
C3+29
C4+91
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C5+15
F6+11
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