

API NUMBER: 153 23646

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

Approval Date: 10/30/2020
Expiration Date: 04/30/2022

Straight Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 02 Township: 22N Range: 20W County: WOODWARD

SPOT LOCATION: FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 495 1980

Lease Name: GUTHRIE Well No: 1-2 Well will be 495 feet from nearest unit or lease boundary.
Operator Name: WOODWARD IODINE CORPORATION Telephone: 5802543311 OTC/OCC Number: 12837 0

WOODWARD IODINE CORPORATION
PO BOX 1245
WOODWARD, OK 73802-1245

DAVID GUTHRIE
207247 E CR 41
WOODWARD OK 73801

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

Name	Code	Depth
1 MORROW SAND	402MWSD	8070

Spacing Orders: 42740 Location Exception Orders: 714765 Increased Density Orders: No Density Orders

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

Total Depth: 8500 Ground Elevation: 1953 Surface Casing: 340 Depth to base of Treatable Water-Bearing FM: 290

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

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 20-37430
H. (Other) CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 8000 Average: 5000

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

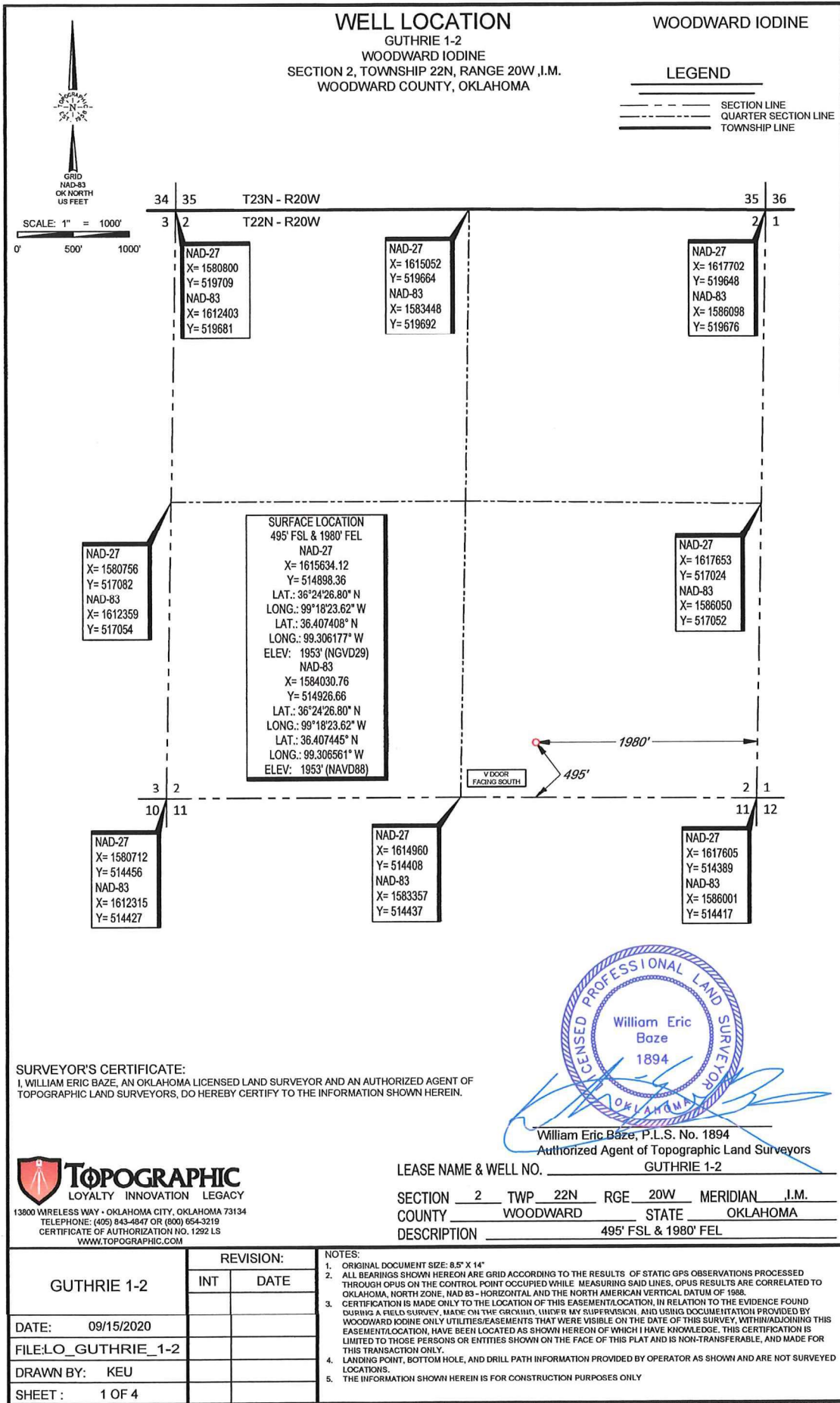
Pit Location is: BED AQUIFER

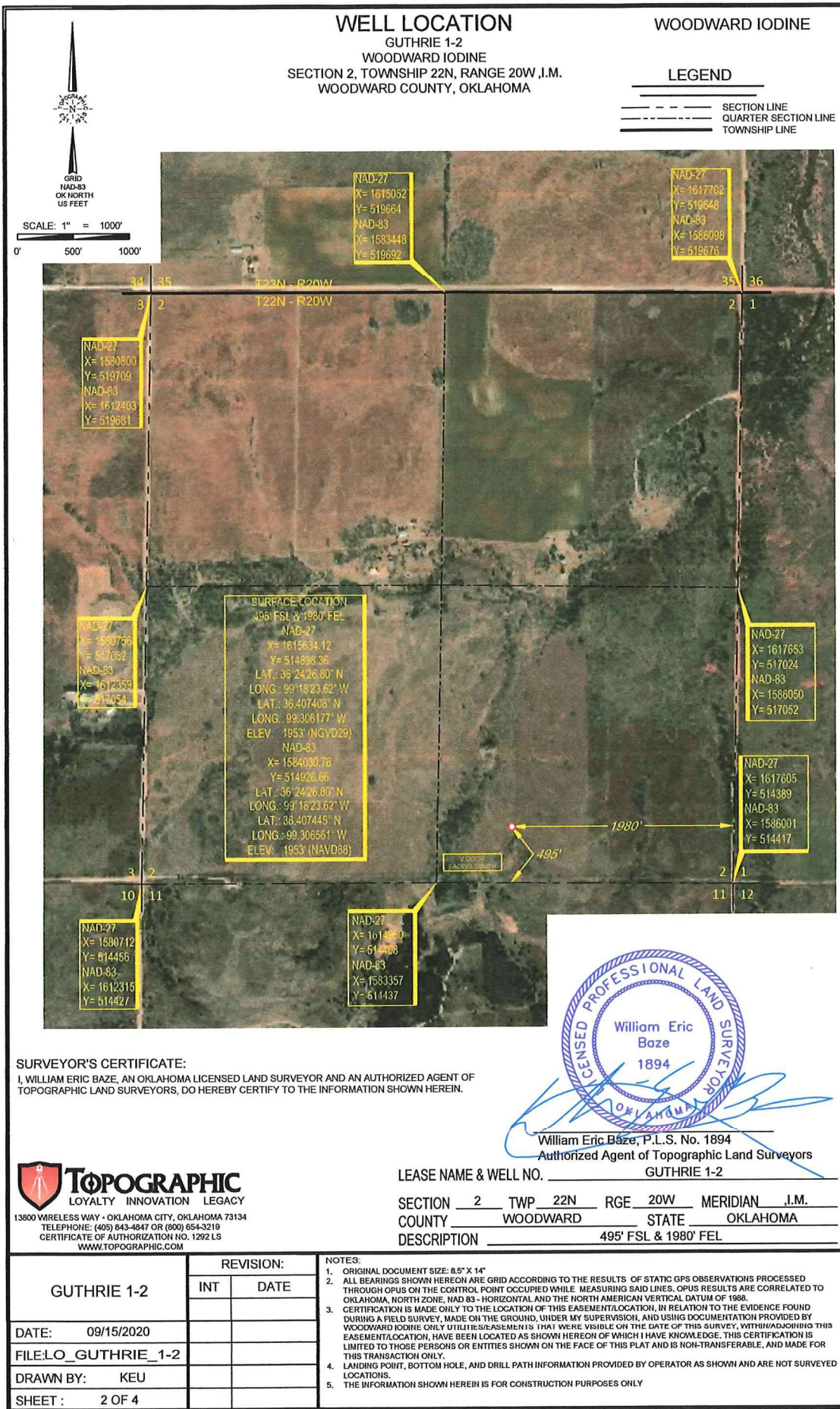
Pit Location Formation: RUSH SPRINGS

NOTES:

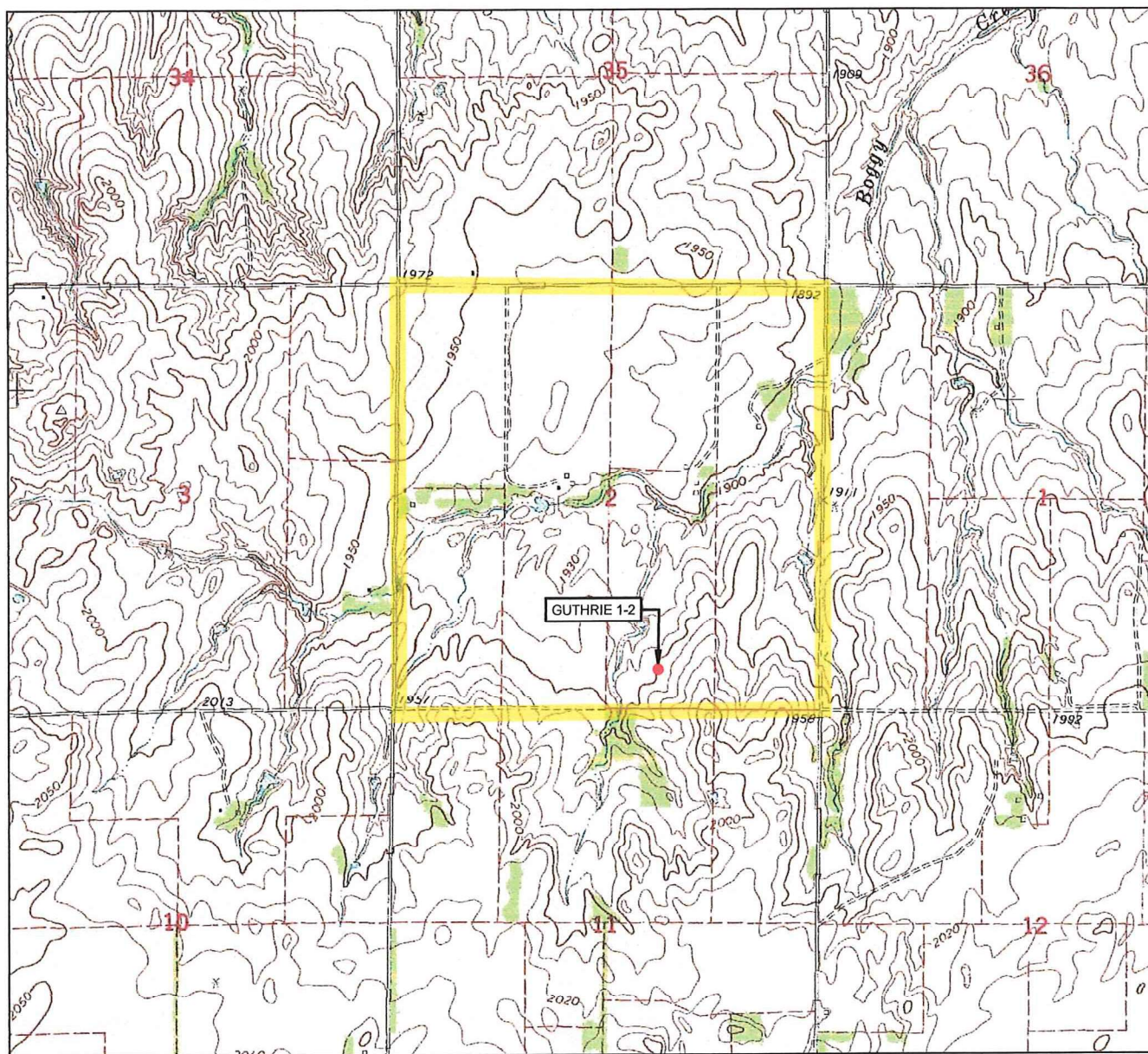
This permit does not address the right of entry or settlement of surface damages. The duration of this permit is 18 MONTHS, except as otherwise provided by Rule 165: 10-3-1. Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

Category	Description
HYDRAULIC FRACTURING	<p>[10/30/2020 - GC2] - OCC 165:10-3-10 REQUIRES:</p> <p>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;</p> <p>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,</p> <p>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</p>
LOCATION EXCEPTION - 714765	<p>10/30/2020 - G56 - (F.O.) 2-22N-20W X42740 MWSD SHL 495' FSL, 1980' FEL WOODWARD IODINE CORPORATION 10/5/2020</p>
SPACING - 42740	<p>10/30/2020 - G56 - (640) 2-22N-20W EXT 34681 MWSD</p>





LOCATION & ELEVATION VERIFICATION MAP



LEASE NAME & WELL NO. GUTHRIE 1-2

SECTION 2 TWP 22N RGE 20W MERIDIAN 10M

COUNTY WOODWARD STATE OKLAHOMA

DESCRIPTION 495' FSL & 1980' FEL

ELEVATION 1953' (NGVD29)

1953' (NAVD88)



SCALE: 1" = 2000'

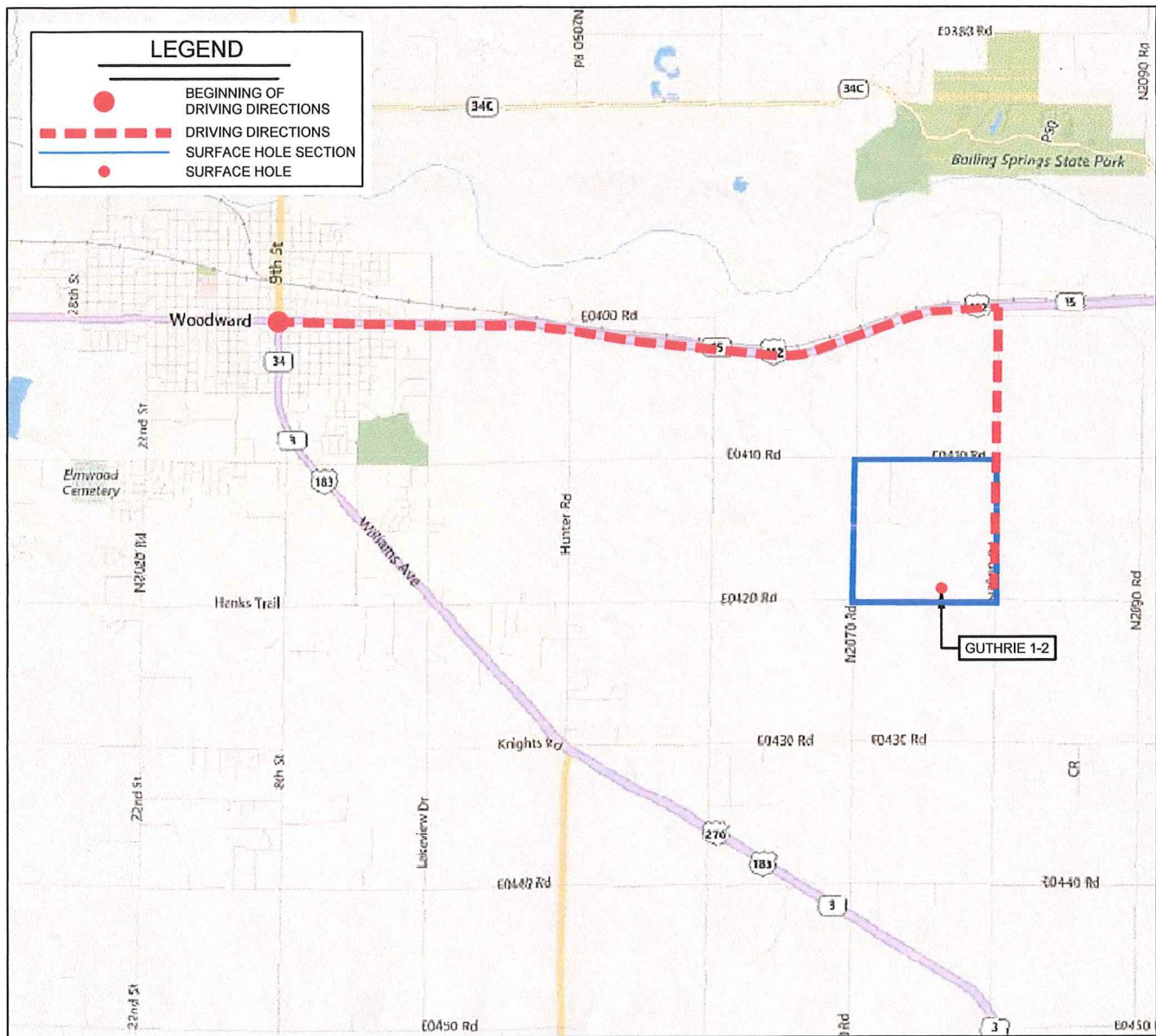
0' 1000' 2000'

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 WOODWARD IODINE. 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 1983, U.S. SURVEY FEET AND THE NORTH AMERICAN VERTICAL DATUM OF 1988.

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

VICINITY MAP

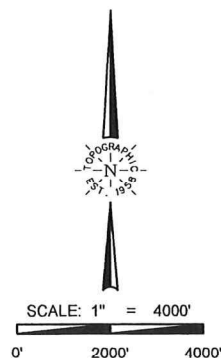
LEASE NAME & WELL NO. GUTHRIE 1-2SECTION 2 TWP 22N RGE 20W MERIDIAN 1.M.COUNTY WOODWARD STATE OKLAHOMADESCRIPTION 495' FSL & 1980' FEL

DISTANCE & DIRECTION

FROM THE INTERSECTION OF HIGHWAY 183 AND HIGHWAY 412
 IN WOODWARD OKLAHOMA, GO EAST ON HIGHWAY 412 FOR
 APPROXIMATELY FIVE MILES. TURN SOUTH ONTO N.2080 RD.
 GO APPROXIMATELY TWO MILES. LOCATION IS WEST INTO THE
 FIELD APPROXIMATELY 1800 FEET.

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