

API NUMBER: 111 27549

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

Approval Date: 04/28/2022
Expiration Date: 10/28/2023

Straight Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 18 Township: 14N Range: 11E County: OKMULGEE

SPOT LOCATION: FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 330 2166

Lease Name: RANDOLPH DUTCHER UNIT Well No: 1-12 Well will be 330 feet from nearest unit or lease boundary.
Operator Name: WILLIFORD ENERGY COMPANY Telephone: 9184952700 OTC/OCC Number: 7697 0

WILLIFORD ENERGY COMPANY
6060 AMERICAN PLAZA STE 760
TULSA, OK 74135-4357

ORVILLE MCBRIDE
17110 EAST PINE STREET
TULSA OK 74116

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

	Name	Code	Depth
1	PINK LIME	404PKLM	1660
2	RED FORK	404RDFK	1730
3	BARTLESVILLE	404BRVL	1990
4	TANEHA	404TNEH	2300
5	DUTCHER	403DTCR	2450

	Name	Code	Depth
6	UNION VALLEY	402UNVL	2600

Spacing Orders: 220622
596885

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: 2700 Ground Elevation: 692

Surface Casing: 150

Depth to base of Treatable Water-Bearing FM: 50

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

Approved Method for disposal of Drilling Fluids:
A. Evaporation/dewater and backfilling of reserve pit.

PIT 1 INFORMATION

Type of Pit System: ON SITE
Type of Mud System: AIR

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: 4

Liner not required for Category: 4

Pit Location is: NON HSA

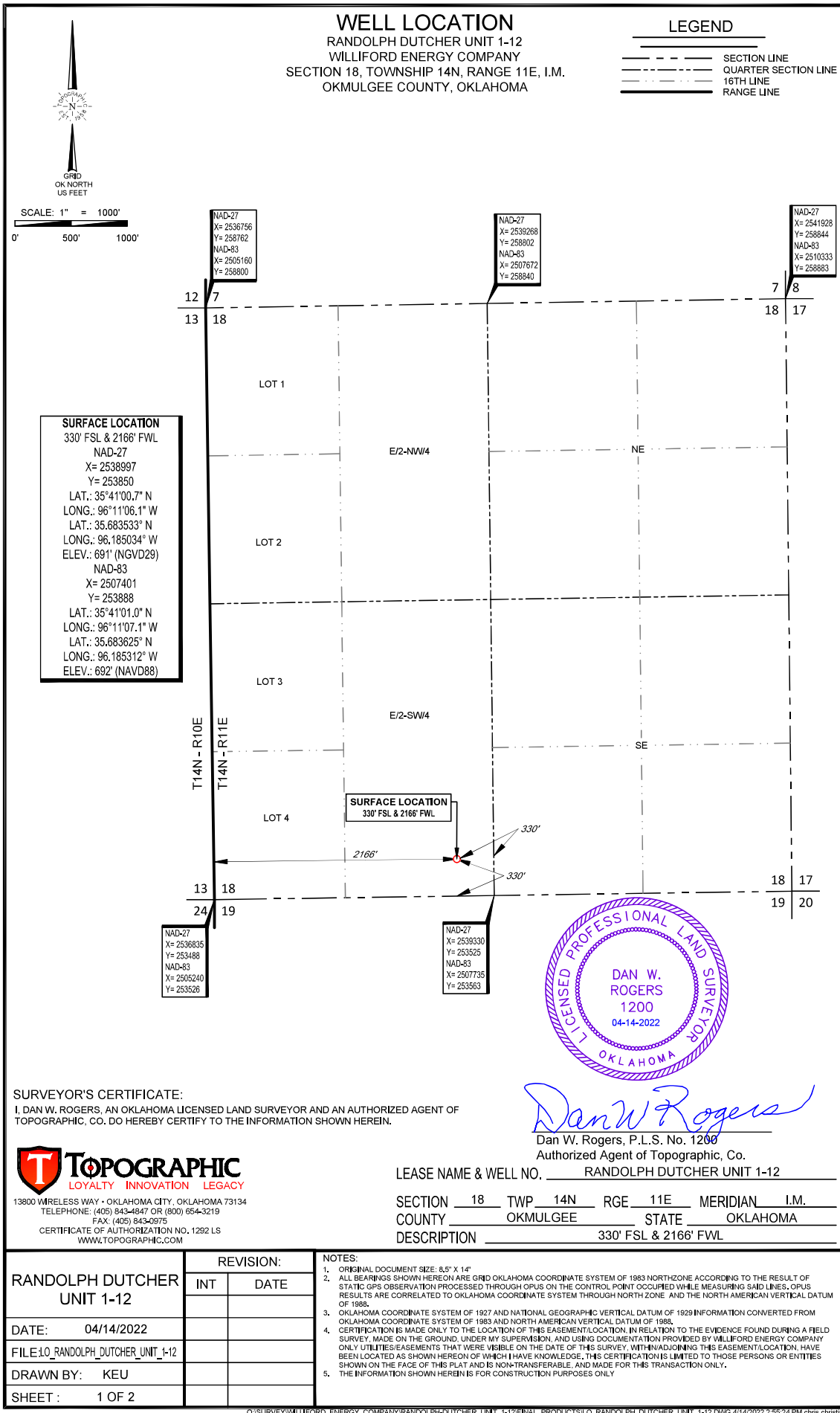
Pit Location Formation: COFFEYVILLE

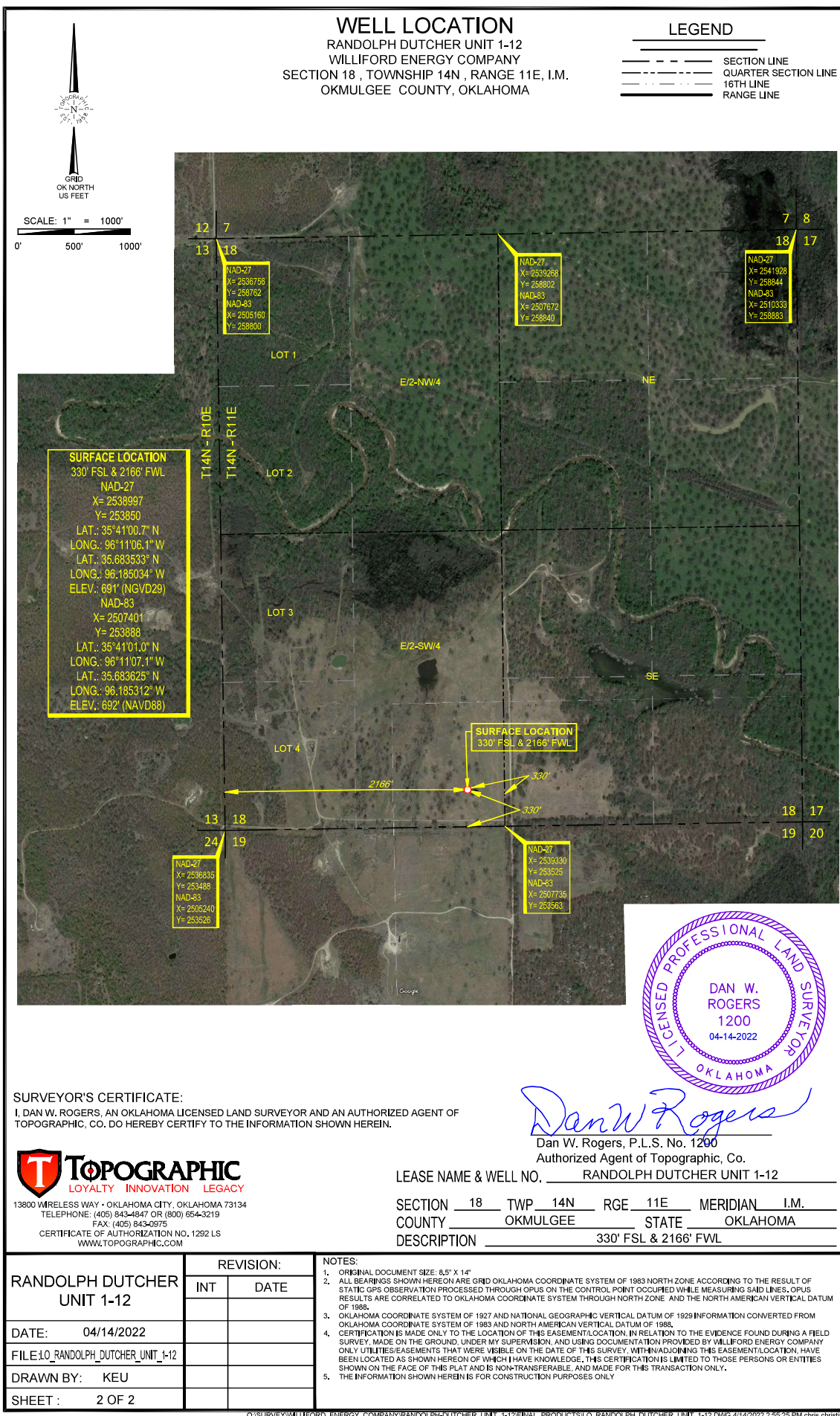
Mud System Change to Water-Based or Oil-Based Mud Requires an Amended Intent (Form 1000).

NOTES:

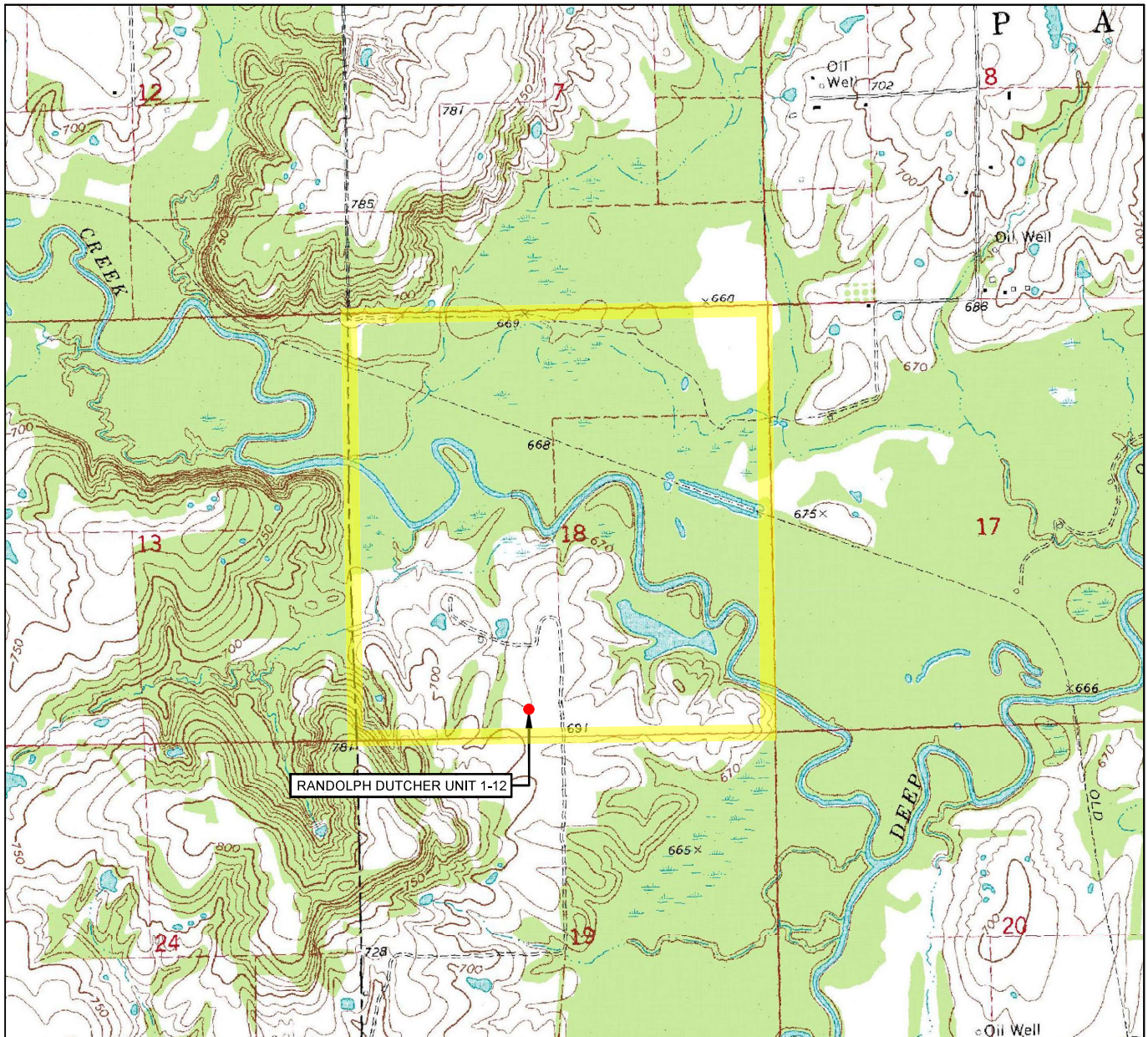
This permit does not address the right of entry or settlement of surface damages. The duration of this permit is 18 MONTHS, except as otherwise provided by Rule 165: 10-3-1. Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation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

Category	Description
HYDRAULIC FRACTURING	<p>[4/14/2022 - 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>
SPACING	[4/28/2022 - G56] - PKLM, TNEH, UNVL UNSPACED; 160-ACRE LEASE (SW4)
SPACING - 220622	[4/28/2022 - G56] - (40) SW4 18-14N-11E EXT 130221 RDFK, BRVL, OTHERS
SPACING - 596885	[4/28/2022 - G56] - (UNIT) SW4 18-14N-11E EST RANDOLPH DUTCHER UNIT FOR DTCR





LOCATION & ELEVATION VERIFICATION MAP



LEASE NAME & WELL NO. RANDOLPH DUTCHER UNIT 1-12

SECTION 18 TWP 14N RGE 11E MERIDIAN 1M

COUNTY OKMULGEE STATE OKLAHOMA

DESCRIPTION 330' FSL & 2166' FWL

ELEV.: 691' (NGVD29)

ELEV.: 692' (NAVD88)

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 WILLIFORD ENERGY COMPANY. 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, U.S. SURVEY FEET.



SCALE: 1" = 2000'
0' 1000' 2000'

TOPOGRAPHIC
LOYALTY INNOVATION LEGACY

13800 WIRELESS WAY • OKLAHOMA CITY, OKLAHOMA 73134

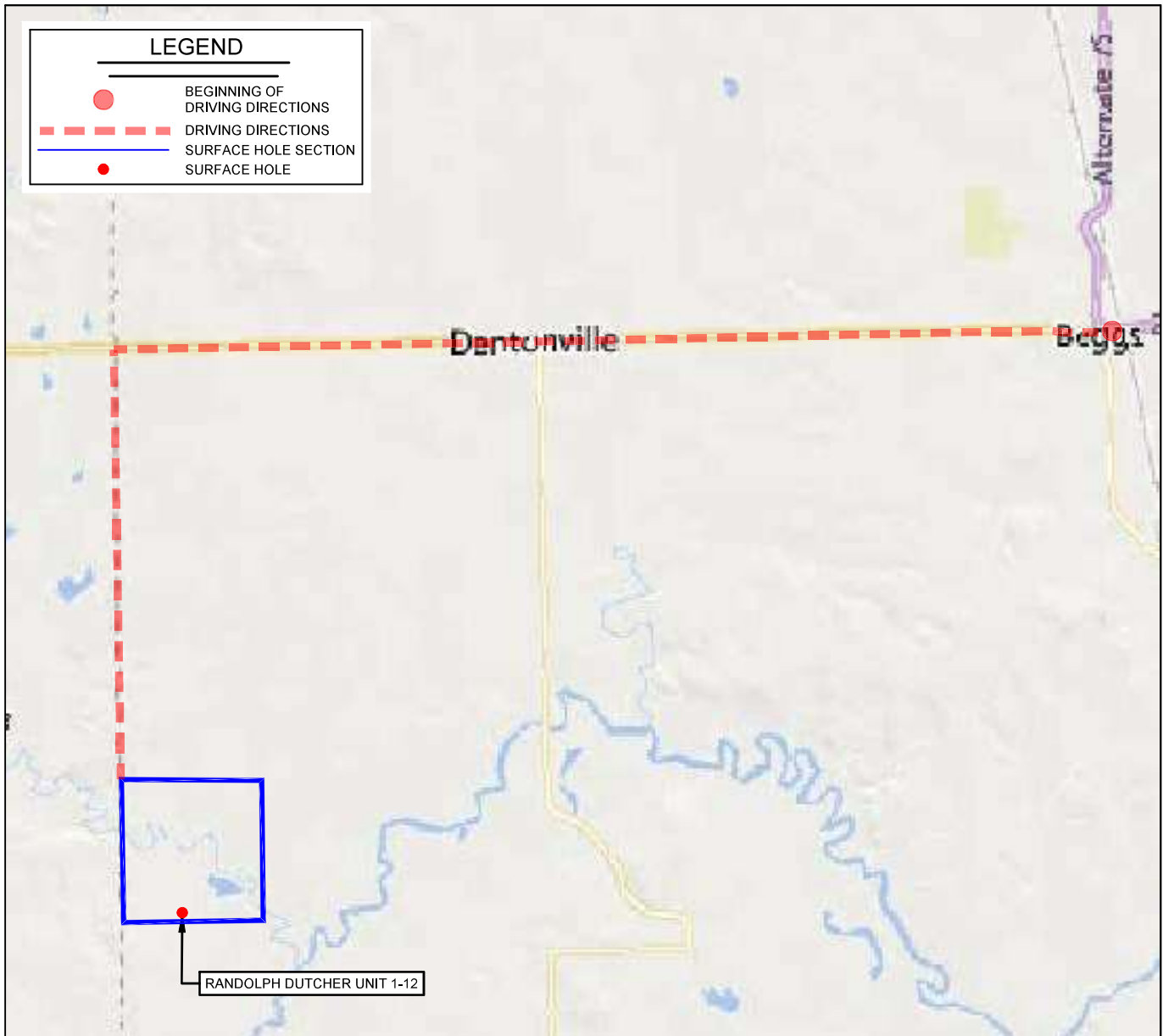
TELEPHONE: (405) 843-4847 OR (800) 654-3219

FAX: (405) 843-0975

CERTIFICATE OF AUTHORIZATION NO. 1292 LS

WWW.TOPOGRAPHIC.COM

VICINITY MAP



LEASE NAME & WELL NO. RANDOLPH DUTCHER UNIT 1-12

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COUNTY OKMULGEE STATE OKLAHOMA

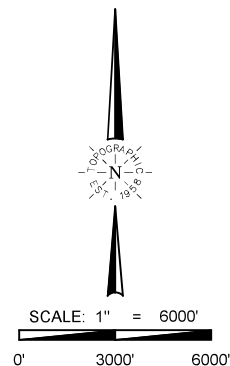
DESCRIPTION 330' FSL & 2166' FWL

DISTANCE & DIRECTION

FROM THE JCT OF SOUTH BROADWAY AND 2ND STREET IN BEGGS
OKLAHOMA, TAKE 2ND STREET (HWY16) WEST FOR SEVEN MILES
TO N. 100 RD. TAKE N. 100 RD SOUTH FOR 3 MILES TO THE NW OF
SECTION 18.

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