

API NUMBER: 037 29488

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

Approval Date: 03/31/2022

Expiration Date: 09/30/2023

Straight Hole

Oil & Gas

**PERMIT TO DRILL**

WELL LOCATION: Section: 23 Township: 16N Range: 8E County: CREEK

SPOT LOCATION:  C  SW  NE FEET FROM QUARTER: FROM NORTH FROM EAST  
SECTION LINES: 1980 1980

Lease Name: DEERE

Well No: 4A

Well will be 660 feet from nearest unit or lease boundary.

Operator Name: LUKE OIL COMPANY

Telephone: 9187606026

OTC/OCC Number: 18170 0

LUKE OIL COMPANY

PO BOX 1257

BRISTOW, OK 74010-1257

TOMMY MCGUIRE

P.O. BOX 263

DEPEW OK 74028

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

	Name	Code	Depth
1	JONES /SD/	405JONS	1657
2	OSWEGO	404OSWG	2220
3	PRUE	404PRUE	2280
4	SKINNER	404SKNR	2392
5	RED FORK	404RDFK	2483

	Name	Code	Depth
6	BARTLESVILLE	404BRVL	2791
7	DUTCHER (ATOKA)	403DTCAT	3162
8	MISSISSIPPIAN	359MSSP	3254

Spacing Orders: 677587

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: 3450

Ground Elevation: 874

Surface Casing: 600

Depth to base of Treatable Water-Bearing FM: 550

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

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: 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

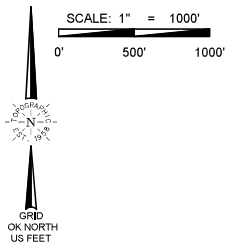
Pit Location is: BED AQUIFER

Pit Location Formation: VAMOOSA

**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.

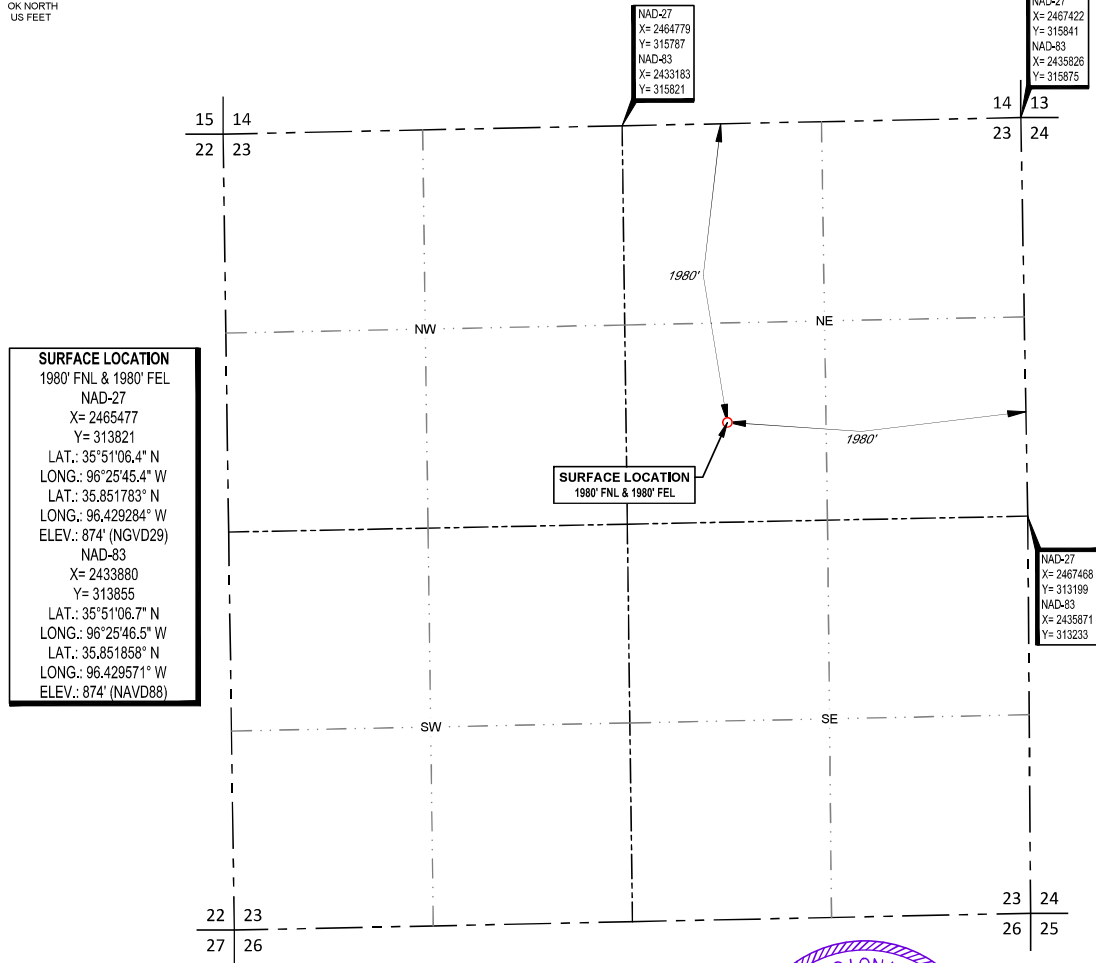
Category	Description
HYDRAULIC FRACTURING	<p>[3/25/2022 - GC2] - OCC 165:10-3-10 REQUIRES:</p> <p>1) NOTICE SHALL BE GIVEN AT LEAST 5 BUSINESS DAYS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS ON A HORIZONTAL WELL TO OPERATORS PRODUCING WELLS WITHIN 1 MILE OF THE COMPLETION INTERVAL OF THE 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: <a href="http://OCCEWEB.COM/OG/OGFORMS.HTML">OCCEWEB.COM/OG/OGFORMS.HTML</a>; 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 <a href="http://FRACFOCUS.ORG">FRACFOCUS.ORG</a></p>
SPACING - 677587	<p>[3/31/2022 - G56] - (40) NE4 23-16N-8E  EXT 254310 PRUE, SKNR, RDFK, DTCAT, OTHERS  EST JONS, OSWG, BRVL, MSSP</p>



**WELL LOCATION**  
DEERE 4 A  
LUKE OIL COMPANY  
SECTION 23, TOWNSHIP 16N, RANGE 8E, I.M.  
CREEK COUNTY, OKLAHOMA

**LEGEND**

--- SECTION LINE  
--- QUARTER SECTION LINE  
--- 16TH LINE  
--- TOWNSHIP LINE



**SURFACE LOCATION**  
1980' FNL & 1980' FEL  
NAD-27  
X= 2465477  
Y= 313821  
LAT.: 35°51'06.4" N  
LONG.: 96°25'45.4" W  
LAT.: 35.851783° N  
LONG.: 96.429284° W  
ELEV.: 874' (NGVD29)  
NAD-83  
X= 2433880  
Y= 313855  
LAT.: 35°51'06.7" N  
LONG.: 96°25'46.5" W  
LAT.: 35.851858° N  
LONG.: 96.429571° W  
ELEV.: 874' (NAVD88)

**SURFACE LOCATION**  
1980' FNL & 1980' FEL



**SURVEYOR'S CERTIFICATE:**  
I, DAN W. ROGERS, AN OKLAHOMA LICENSED LAND SURVEYOR AND AN AUTHORIZED AGENT OF TOPOGRAPHIC, CO. DO HEREBY CERTIFY TO THE INFORMATION SHOWN HEREIN.

*Dan W. Rogers*  
Dan W. Rogers, P.L.S. No. 1200  
Authorized Agent of Topographic, Co.

**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

LEASE NAME & WELL NO. \_\_\_\_\_ DEERE 4 A

SECTION 23 TWP 16N RGE 8E MERIDIAN I.M.  
COUNTY CREEK STATE OKLAHOMA  
DESCRIPTION 1980' FNL & 1980' FEL

DEERE 4 A	REVISION:		NOTES:
	INT	DATE	
DATE: 03/22/2022			<ol style="list-style-type: none"><li>1. ORIGINAL DOCUMENT SIZE: 8.5" X 14"</li><li>2. ALL BEARINGS SHOWN HEREON ARE GRID OKLAHOMA COORDINATE SYSTEM OF 1983 NORTH ZONE ACCORDING TO THE RESULT OF STATIC GPS OBSERVATION PROCESSED THROUGH OPUS ON THE CONTROL POINT OCCUPIED WHILE MEASURING SAID LINES, OPUS RESULTS ARE CORRELATED TO OKLAHOMA COORDINATE SYSTEM THROUGH NORTH ZONE AND THE NORTH AMERICAN VERTICAL DATUM OF 1988.</li><li>3. OKLAHOMA COORDINATE SYSTEM OF 1927 AND NATIONAL GEOGRAPHIC VERTICAL DATUM OF 1929 INFORMATION CONVERTED FROM OKLAHOMA COORDINATE SYSTEM OF 1983 AND NORTH AMERICAN VERTICAL DATUM OF 1988.</li><li>4. 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 LUKE OIL COMPANY 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.</li><li>5. THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY.</li></ol>
FILE: LO_DEERE_4_A			
DRAWN BY: EAH			
SHEET: 1 OF 2			

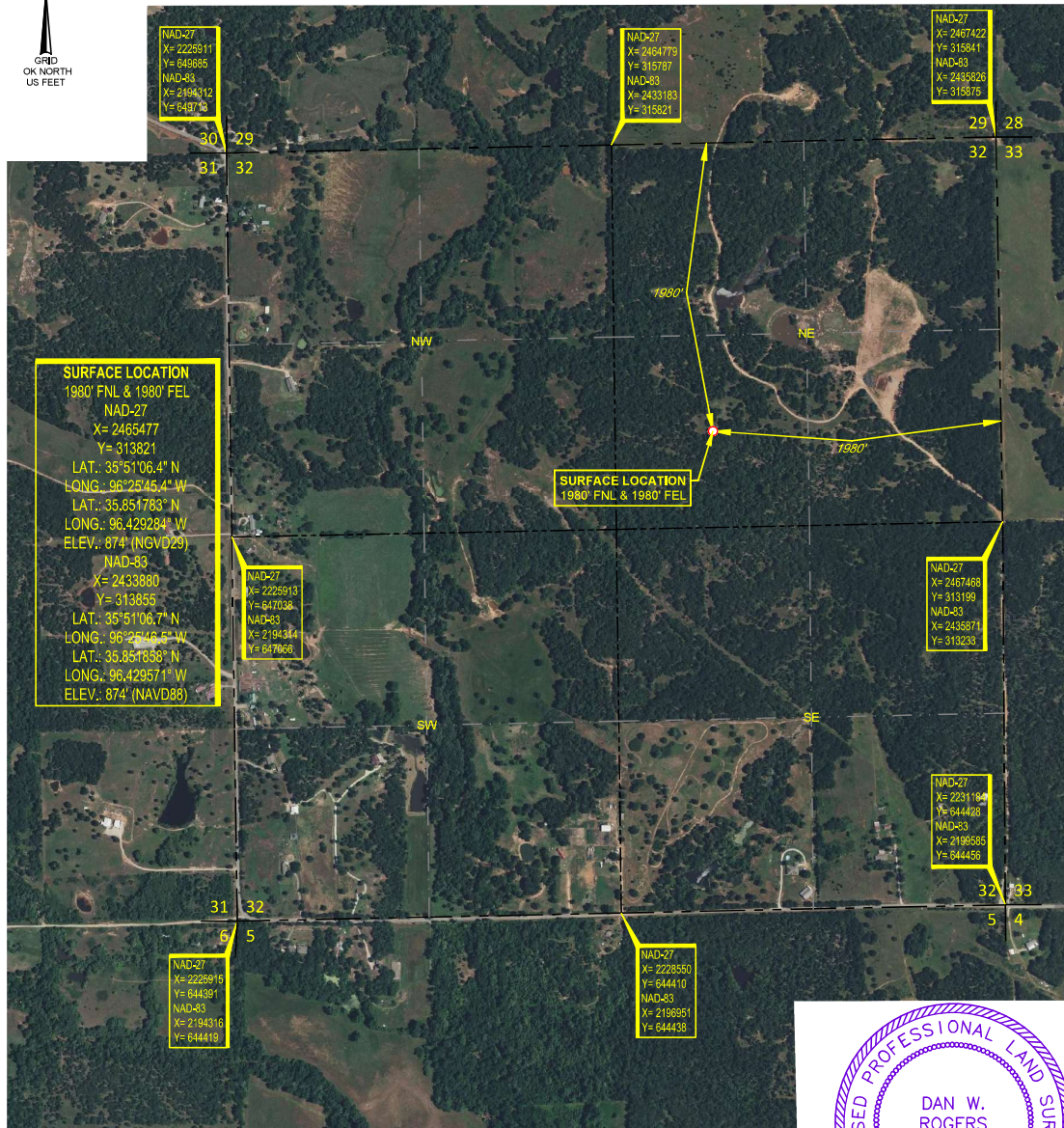


SCALE: 1" = 1000'  
0' 500' 1000'

**WELL LOCATION**  
DEERE 4 A  
LUKE OIL COMPANY  
SECTION 23, TOWNSHIP 16N, RANGE 8E, I.M.  
CREEK COUNTY, OKLAHOMA

**LEGEND**

--- SECTION LINE  
--- QUARTER SECTION LINE  
--- 16TH LINE  
--- TOWNSHIP LINE



**SURVEYOR'S CERTIFICATE:**

I, DAN W. ROGERS, AN OKLAHOMA LICENSED LAND SURVEYOR AND AN AUTHORIZED AGENT OF TOPOGRAPHIC, CO. DO HEREBY CERTIFY TO THE INFORMATION SHOWN HEREIN.

*Dan W. Rogers*  
Dan W. Rogers, P.L.S. No. 1200  
Authorized Agent of Topographic, Co.



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

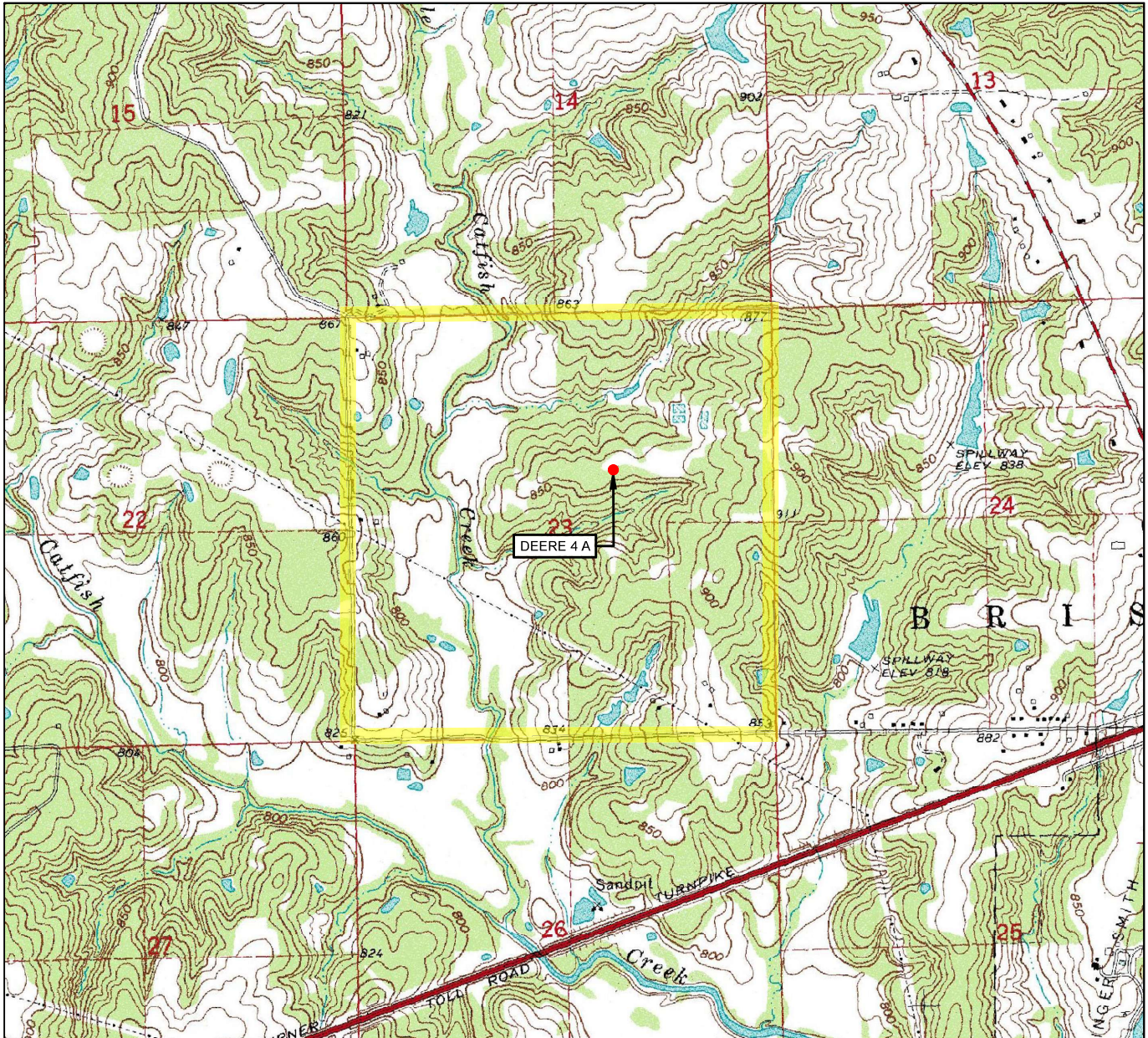
LEASE NAME & WELL NO. \_\_\_\_\_ DEERE 4 A

SECTION 23 TWP 16N RGE 8E MERIDIAN I.M.  
COUNTY CREEK STATE OKLAHOMA  
DESCRIPTION 1980' FNL & 1980' FEL

DEERE 4 A	REVISION:		NOTES:
	INT	DATE	
DATE: 03/22/2022			<p>1. ORIGINAL DOCUMENT SIZE: 8.5" X 14"</p> <p>2. ALL BEARINGS SHOWN HEREON ARE GRID OKLAHOMA COORDINATE SYSTEM OF 1983 NORTH ZONE ACCORDING TO THE RESULT OF STATIC GPS OBSERVATION PROCESSED THROUGH OPUS ON THE CONTROL POINT OCCUPIED WHILE MEASURING SAID LINES, OPUS RESULTS ARE CORRELATED TO OKLAHOMA COORDINATE SYSTEM THROUGH NORTH ZONE AND THE NORTH AMERICAN VERTICAL DATUM OF 1988.</p> <p>3. OKLAHOMA COORDINATE SYSTEM OF 1927 AND NATIONAL GEOGRAPHIC VERTICAL DATUM OF 1929 INFORMATION CONVERTED FROM OKLAHOMA COORDINATE SYSTEM OF 1983 AND NORTH AMERICAN VERTICAL DATUM OF 1988.</p> <p>4. 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 LUKE OIL COMPANY 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.</p> <p>5. THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY.</p>
FILE: LO_DEERE_4_A			
DRAWN BY: EAH			
SHEET: 2 OF 2			



# LOCATION & ELEVATION VERIFICATION MAP



LEASE NAME & WELL NO. DEERE 4 A

SECTION 23 TWP 16N RGE 8E MERIDIAN 1.M.

COUNTY CREEK STATE OKLAHOMA

DESCRIPTION 1980' FNL & 1980' FEL

ELEV.: 874' (NGVD29)

ELEV.: 874' (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 LUKE OIL 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'

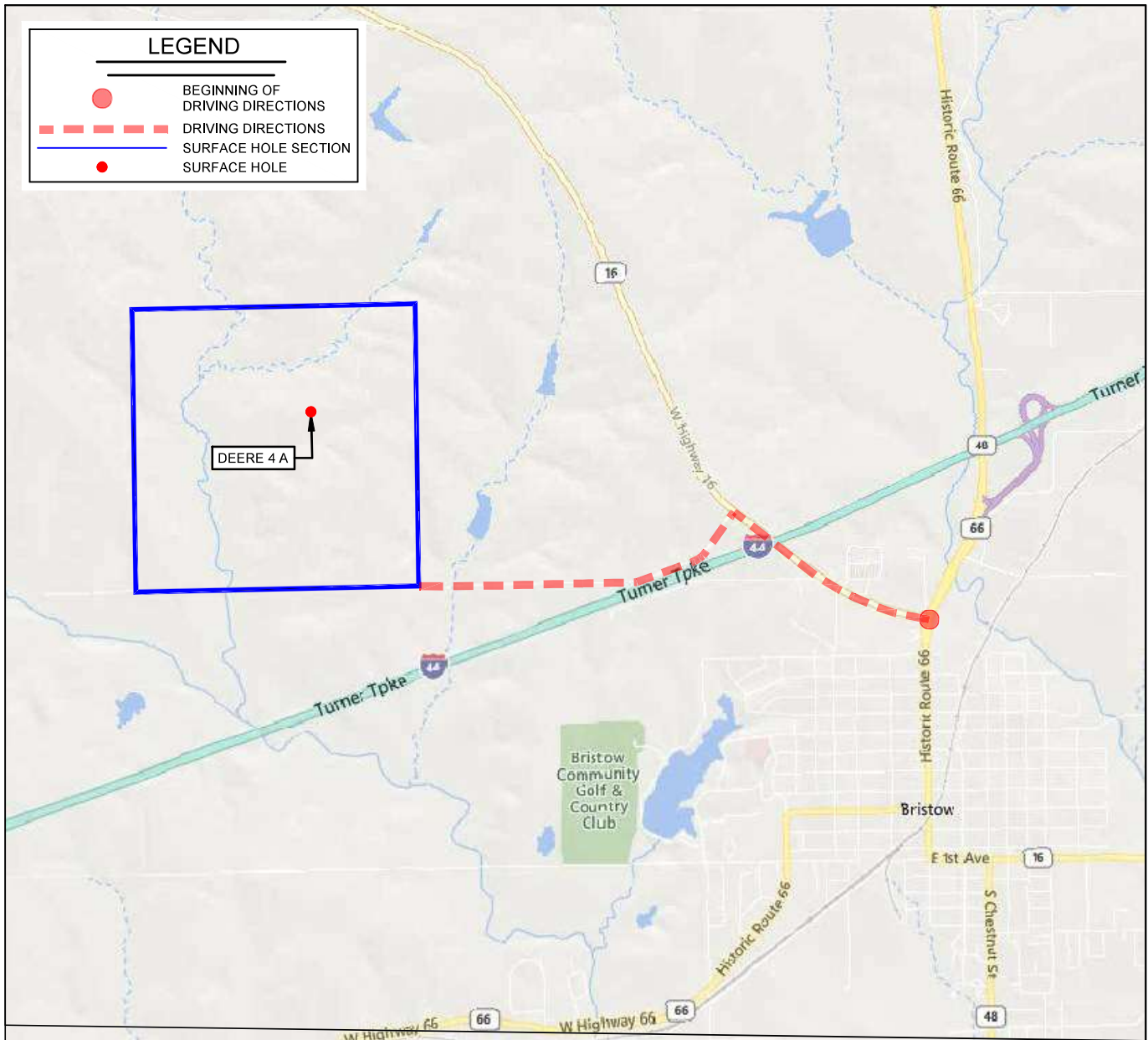
**TOPOGRAPHIC**  
LOYALTY INNOVATION LEGACY

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. DEERE 4 A

SECTION 23 TWP 16N RGE 8E MERIDIAN I.M.

COUNTY CREEK STATE OKLAHOMA

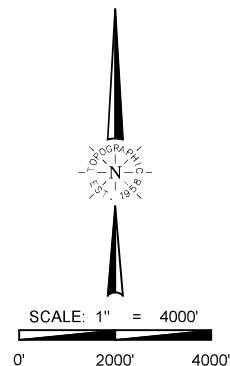
DESCRIPTION 1980' FNL & 1980' FEL

## DISTANCE & DIRECTION

FROM THE JCT OF ROUTE 66 AND W HWY 16 IN BRISTOW TAKE HWY 16 NORTHWEST FOR APPROXIMATELY 1.5 MILES TO W 221ST STREET S. TAKE W 221ST STREET S WEST FOR APPROXIMATELY ONE MILE TO THE SE OF SECTION 23-16N-8E

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 LUKE OIL 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 OF THE NORTH AMERICAN DATUM, U.S. SURVEY FEET.



**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