

API NUMBER: 019 26489

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

Approval Date: 06/13/2022

Expiration Date: 12/13/2023

Straight Hole

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 22 Township: 4S Range: 2W County: CARTER

SPOT LOCATION: ☐ SW ☐ NE ☐ SW ☐ SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 940 1889

Lease Name: HEWITT UNIT

Well No: 22-5103

Well will be 940 feet from nearest unit or lease boundary.

Operator Name: XTO ENERGY INC

Telephone: 4053193200; 8178852283

OTC/OCC Number: 21003 0

XTO ENERGY INC
22777 SPRINGWOODS VILLAGE PKWY
SPRING, TX 77389-1425

NIKKI MCALPIN
11371 MEMORIAL RD
WILSON OK 73463

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

	Name	Code	Depth
1	PONTOTOC	419PNTC	900
2	HOXBAR	405HXBR	1800
3	DEESE	404DEESS	2950

Spacing Orders: 67990

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: 4000

Ground Elevation: 888

Surface Casing: 640

Depth to base of Treatable Water-Bearing FM: 540

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: 22-38365

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: 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: C

Liner not required for Category: C

Pit Location is: ALLUVIAL

Pit Location Formation: ALLUVIUM

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>[6/10/2022 - 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 - 67990	<p>[6/12/2022 - G56] - (UNIT) 22-4S-2W</p> <p>EST HEWITT UNIT FOR BASE OF DEESS TO SURFACE</p>

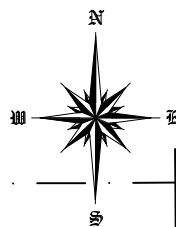
OPERATOR:



HU 22-5103

SECTION 22

TOWNSHIP 4 SOUTH, RANGE 2 WEST
CARTER COUNTY, OKLAHOMA



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SURFACE LOCATION
279' FSUL-101' FWUL
940' FSL-1889' FEL
NAD - 27
Lat: N034°11'23.33"
Lon: W097°23'35.08"
Lat: N034.189814
Lon: W097.393077
N: 312233.96
E: 2183543.37

N: 312615.90
E: 2183439.50

N: 312619.87
E: 2184102.93

N: 311954.80
E: 2183444.65

N: 311958.82
E: 2184108.07

N: 311305.96
E: 2185440.05

NOTES:

1. This survey does not represent a boundary survey. It is for Geographical Information Systems (GIS) purposes only as instructed by the client and is not to be relied upon for the establishment of fences, buildings or other further improvement lines. Positions were taken with Survey Grade RTK GPS and NGS OPUS processed control using the NAD27 Oklahoma South State Plane Coordinate System.

0 400' 800' 1,200'



Surface Hole Location: 279' From South Line of Unit 51
101' From West Line of Unit 51

940' From South Line of Sec 22
1889' From East Line of Sec 22

Latitude: N34.189630° (NAD 27)
Longitude: W97.393079° (NAD 27)
Latitude: N34.189907° (NAD 83)
Longitude: W97.393376° (NAD 83)

Ground Elev: 888.28

Drilling Unit: Unit 52 (NE/4 SW/4 SE/4),
Section 22, T4S, R2W

LEGEND:

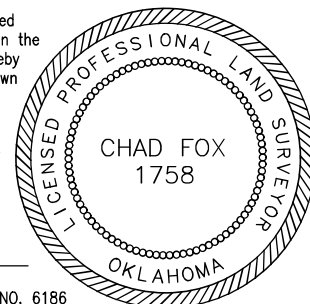
- EXISTING WELL
- HEAD/PRODUCTION WELL
- PROPOSED SURFACE HOLE (PSHL)
- SECTION CORNER
- UNIT LINE
- DRILLING UNIT

Operator: XTO Energy, Inc.
Best Accessibility to
Location: From South

Distance & Direction from
Hwy Jct or Town:
From the Intersection of
Memorial Rd and Midway
Rd, go West 0.50mi on
Memorial Rd. to access
road. Well location to the
North.

I, Chad Fox, a duly registered
Professional Land Surveyor in the
State of OKLAHOMA, do hereby
certify that the drawing shown
hereon was completed and
represents a good and
accurate survey made upon
the ground by me or under
my direct supervision.

Chad Fox
CHAD FOX P.L.S. NO. 1758
EX. DATE: 31JAN24 C.O.A. NO. 6186



CDF AND ASSOCIATES, LLC.

208 Dewey Ave. Poteau, OK 74953 (918) 649-3303

Certificate of Authorization No. 6186

JOB NO:	XTO/WP21/HU 22-5103	DRAWN BY:	LD
DATE: 03/JUN/22	REV:	B SCALE: 1" = 400'	SHT NO. 1

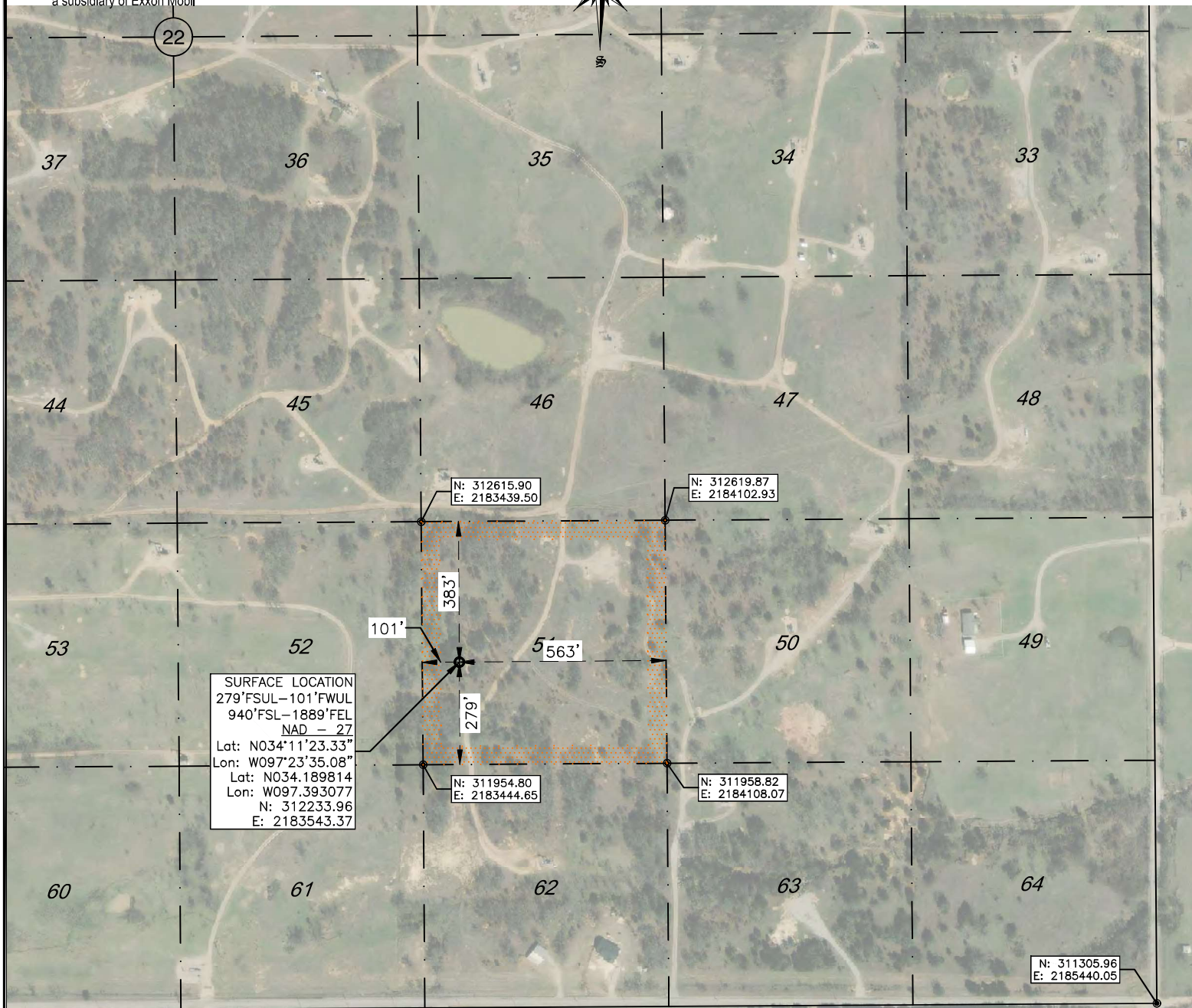
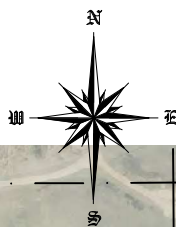
OPERATOR:



HU 22-5103

SECTION 22

TOWNSHIP 4 SOUTH, RANGE 2 WEST
CARTER COUNTY, OKLAHOMA



NOTES:

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Ground Elev: 888.28

Drilling Unit: Unit 52 (NE/4 SW/4 SE/4),
Section 22, T4S, R2W

LEGEND:

- EXISTING WELL
- HEAD/PRODUCTION WELL
- PROPOSED SURFACE HOLE (PSHL)
- SECTION CORNER
- UNIT LINE
- DRILLING UNIT

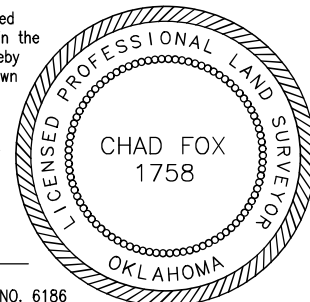
Operator: XTO Energy, Inc.
Best Accessibility to Location: From South

Distance & Direction from Hwy Jct or Town:
From the Intersection of Memorial Rd and Midway Rd, go West 0.50mi on Memorial Rd. to access road. Well location to the North.

I, Chad Fox, a duly registered Professional Land Surveyor in the State of OKLAHOMA, do hereby certify that the drawing shown hereon was completed and represents a good and accurate survey made upon the ground by me or under my direct supervision.

Chad Fox

CHAD FOX P.L.S. NO. 1758
EX. DATE: 31JAN24 C.O.A. NO. 6186

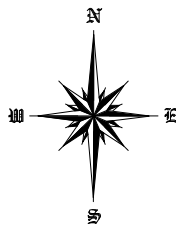


CDF AND ASSOCIATES, LLC.

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JOB NO:	XTO/WP21/HU 22-5103	DRAWN BY:	LD
DATE: 03/JUN/22	REV:	B SCALE:	1" = 400'
		SHT NO.	2

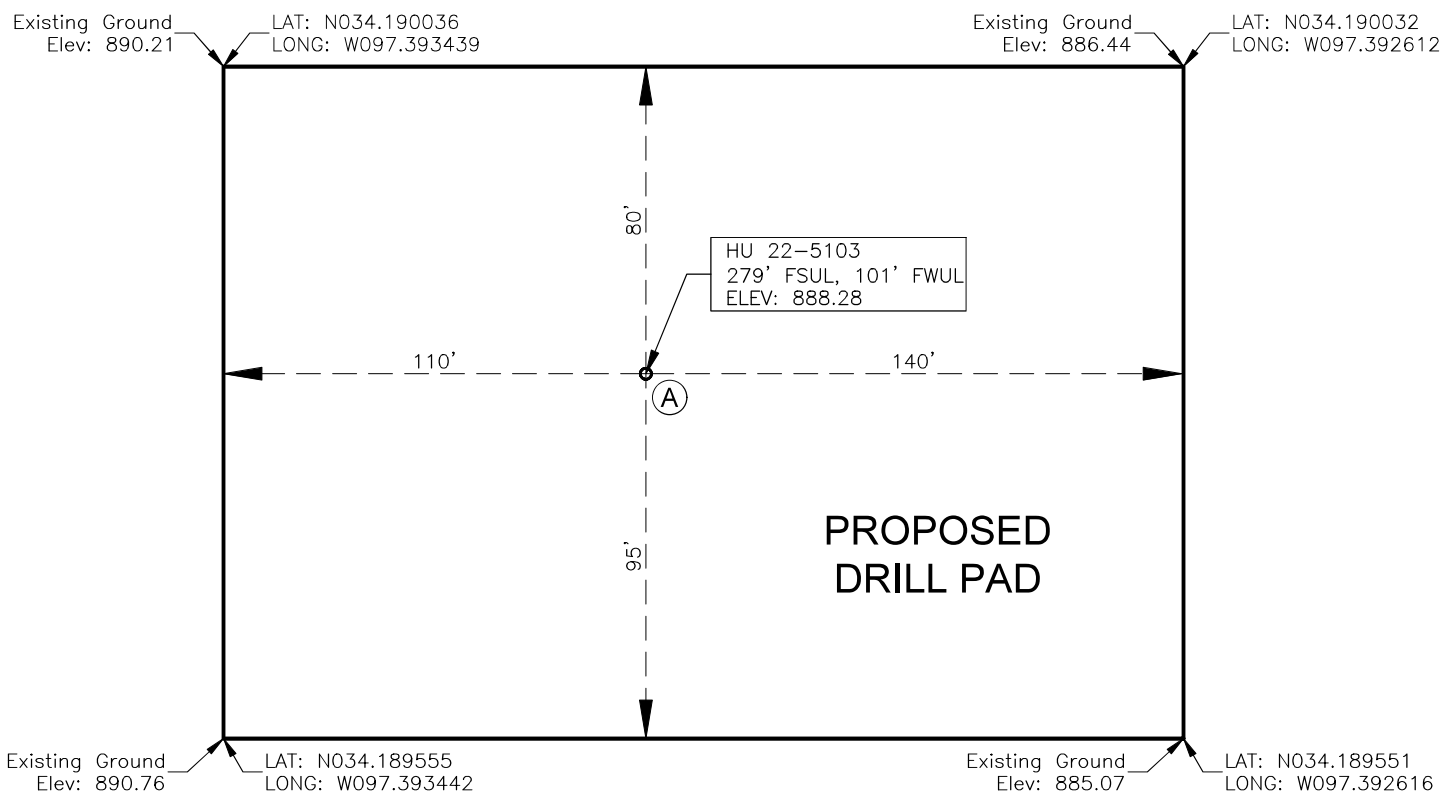
OPERATOR:



HU 22-5103

SECTION 22

TOWNSHIP 4 SOUTH, RANGE 2 WEST
CARTER COUNTY, OKLAHOMA



**PROPOSED
DRILL PAD**

SLOT

Ⓐ HU 22-5103, 279' FSUL, 101' FWUL, ELEV: 888.28

Surface Hole Location: 279' From South Line of Unit 51
101' From West Line of Unit 51

940' From South Line of Sec 22
1889' From East Line of Sec 22

Latitude: N34.189630° (NAD 27)
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Latitude: N34.189907° (NAD 83)
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Ground Elev: 888.28

Drilling Unit: Unit 52 (NE/4 SW/4 SE/4),
Section 22, T4S, R2W

Operator: XTO Energy, Inc.
Best Accessibility to
Location: From South

Distance & Direction from
Hwy Jct or Town:
From the Intersection of
Memorial Rd and Midway
Rd, go West 0.50mi on
Memorial Rd. to access
road. Well location to the
North.

LEGEND:

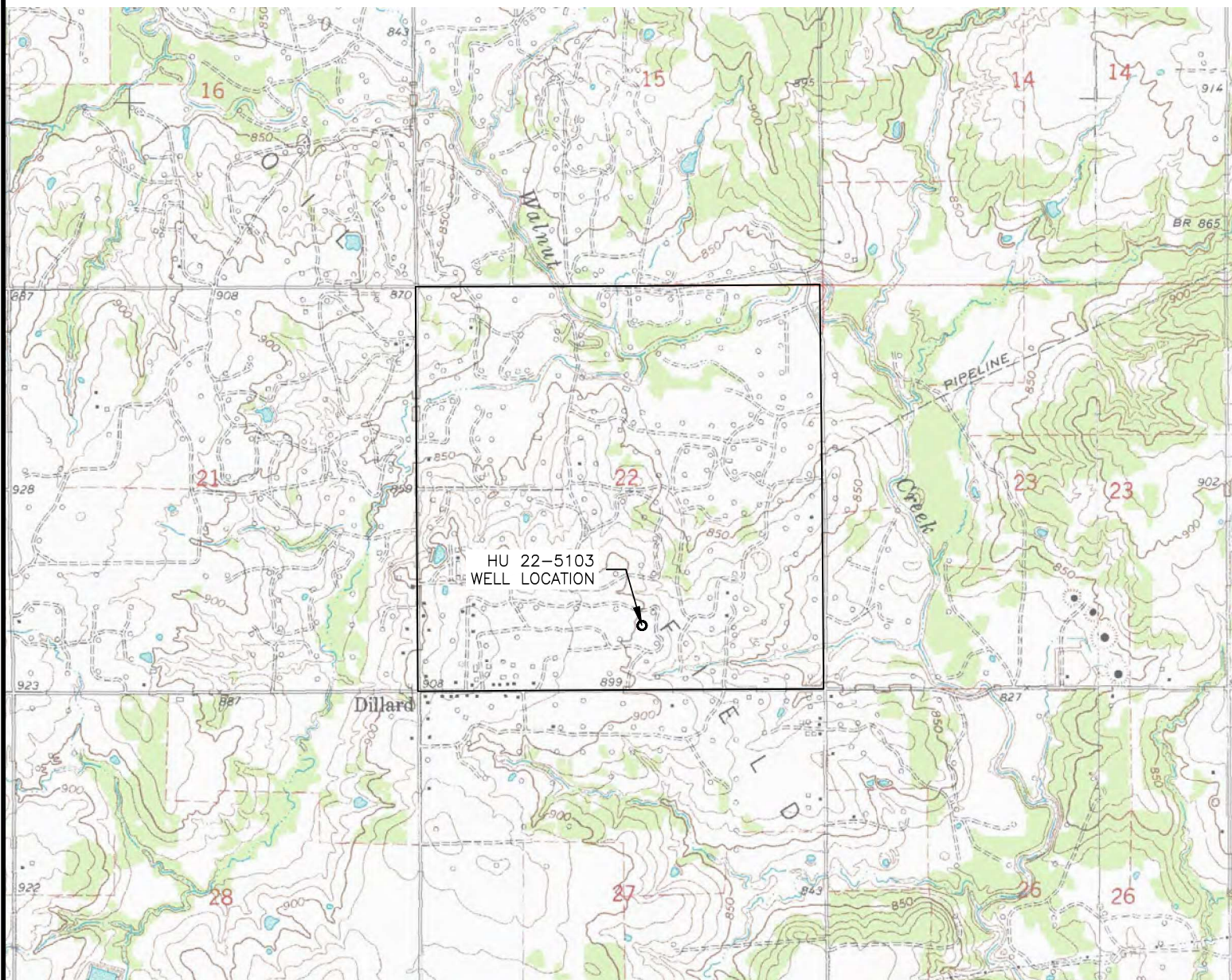
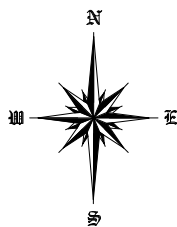
- PROPOSED SURFACE HOLE (PSHL)
- PROPOSED LANDING POINT (LP)
- x PROPOSED BOTTOM HOLE (PBHL)



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JOB NO:	XTO/WP21/HU 22-5103	DRAWN BY:	LD
DATE: 03/JUN/22	REV: B	SCALE: 1" = 50'	SHT NO. 3



Location and Elevation Verification

Surface Hole Location: 279' From South Line of Unit 51
 101' From West Line of Unit 51

940' From South Line of Sec 22
 1889' From East Line of Sec 22

Latitude: N34.189630° (NAD 27)
 Longitude: W97.393079° (NAD 27)
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Ground Elev: 888.28

Drilling Unit: Unit 52 (NE/4 SW/4 SE/4),
 Section 22, T4S, R2W

Operator: XTO Energy, Inc.
 Best Accessibility to
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0 2,000' 4,000 6,000

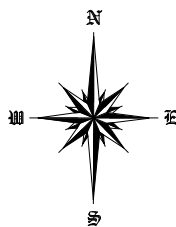


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JOB NO:	XTO/WP21/HU 22-5103	DRAWN BY:	LD
DATE: 03/JUN/22	REV:	B SCALE: 1" = 2,000'	SHT NO. 4

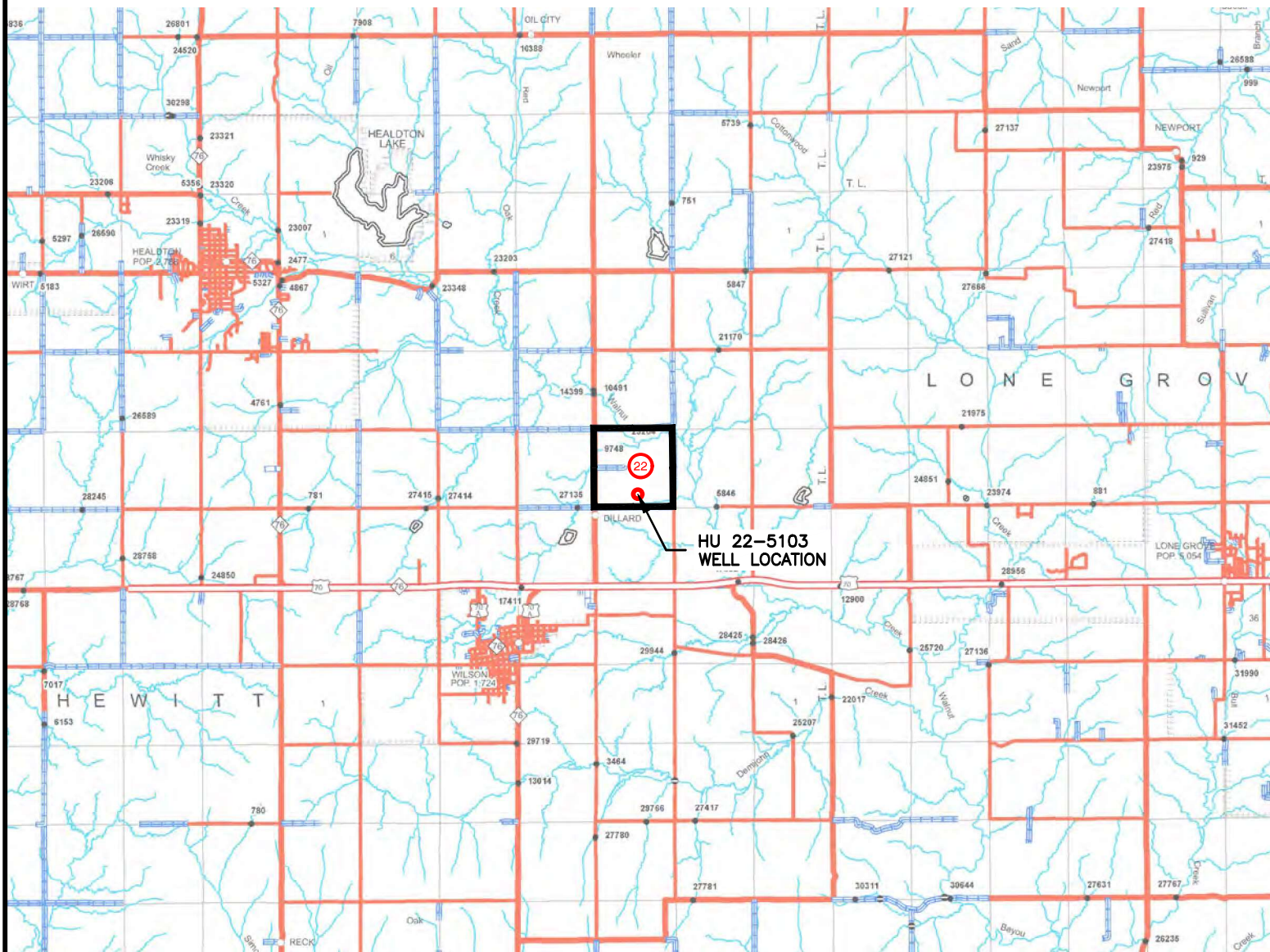
OPERATOR:



HU 22-5103

SECTION 22

TOWNSHIP 4 SOUTH, RANGE 2 WEST
CARTER COUNTY, OKLAHOMA



Vicinity Map

Surface Hole Location: 279' From South Line of Unit 51
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Section 22, T4S, R2W

Operator: XTO Energy, Inc.
Best Accessibility to
Location: From South

Distance & Direction from
Hwy Jct or Town:
From the Intersection of
Memorial Rd and Midway
Rd, go West 0.50mi on
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North.

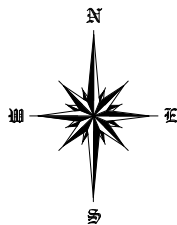
0 2 miles 4 miles 6 miles



CDF AND ASSOCIATES, LLC.

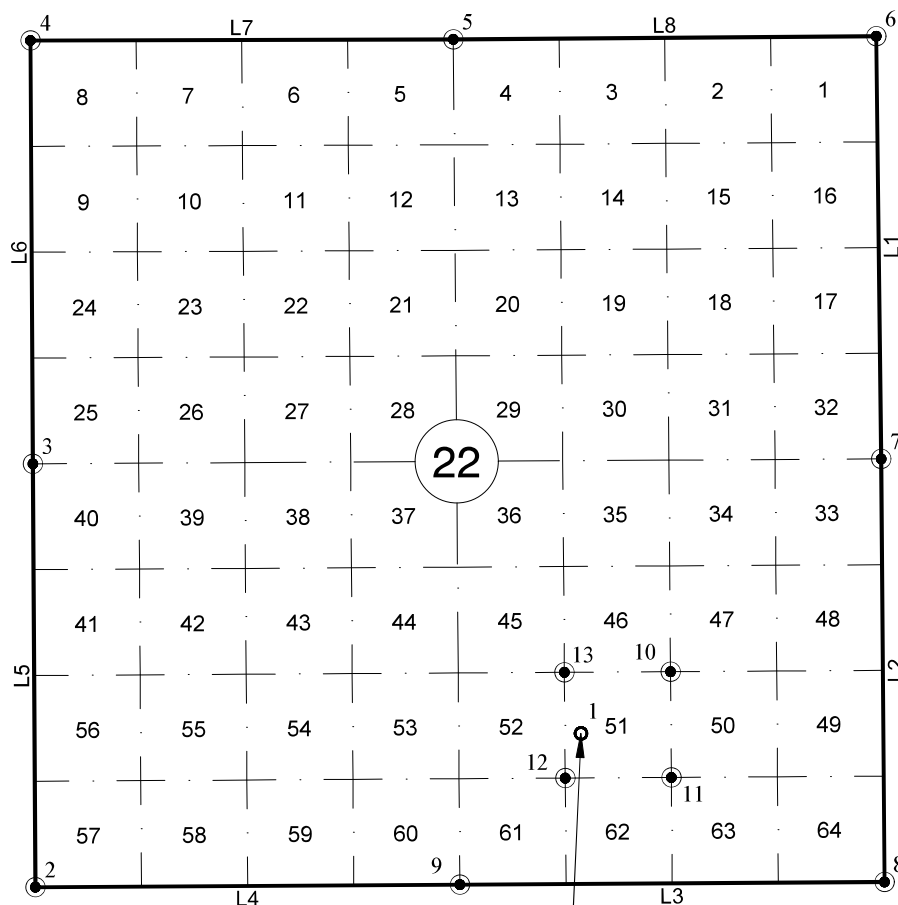
208 Dewey Ave. Poteau, OK 74953 (918) 649-3303
Certificate of Authorization No. 6186

JOB NO:	XTO/WP21/HU 22-5103	DRAWN BY:	LD
DATE: 03/JUN/22	REV:	B SCALE: 1" = 2miles	SHT NO. 5



SECTION 22

TOWNSHIP 4 SOUTH, RANGE 2 WEST
CARTER COUNTY, OKLAHOMA



NAD-27
Not to Scale

○	PROPOSED SURFACE HOLE (PSHL)
□	PROPOSED LANDING POINT (LP)
■	PROPOSED TARGET 1 (T1)
×	PROPOSED BOTTOM HOLE (PBHL)
●	BORE LINE SECTION INTERSECT

HU 22-5103
279' FSUL, 101' FEUL
ELEV: 888.28

SPCS/GEODETIC MAP

Surface Hole Location: 279' From South Line of Unit 51
101' From West Line of Unit 51

940' From South Line of Sec 22
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Drilling Unit: Unit 52 (NE/4 SW/4 SE/4),
Section 22, T4S, R2W

Operator: XTO Energy, Inc.
Best Accessibility to
Location: From South

Distance & Direction from Hwy Jct or Town:
From the Intersection of Memorial Rd and Midway Rd, go West 0.50mi on Memorial Rd. to access road. Well location to the North.

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JOB NO:	XTO/WP21/HU 22-5103	DRAWN BY:	LD
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DATE: 03/JUN/22	REV: B	SCALE: N/A	SHT NO. 6
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OPERATOR:



HU 22-5103

SECTION 22

TOWNSHIP 4 SOUTH, RANGE 2 WEST
CARTER COUNTY, OKLAHOMA

Line Table

Line #	Azimuth	Length
L1	179.329256	2641.80
L2	179.554679	2643.77
L3	269.646925	2653.73
L4	269.652173	2653.41
L5	359.665317	2645.48
L6	359.660611	2645.43
L7	089.840081	2643.40
L8	089.575919	2643.37

Point Table

POINT	DESCRIPTION	NORTHING (NAD27)	EASTING (NAD27)	LATITUDE (NAD27)	LONGITUDE (NAD27)
1	HU 22-5103	312233.96 (usft)	2183543.37 (usft)	34.189814	-97.393077
2	SW CORNER SEC 22	311273.49 (usft)	2180133.01 (usft)	34.187231	-97.404372
3	W/4 CORNER SEC 22	313918.93 (usft)	2180117.56 (usft)	34.194500	-97.404372
4	NW CORNER SEC 22	316564.31 (usft)	2180101.89 (usft)	34.201770	-97.404372
5	N/4 CORNER SEC 22	316571.69 (usft)	2182745.28 (usft)	34.201747	-97.395630
6	NE CORNER SEC 22	316591.26 (usft)	2185388.57 (usft)	34.201757	-97.386888
7	E/4 CORNER SEC 22	313949.64 (usft)	2185419.50 (usft)	34.194497	-97.386838
8	SE CORNER SEC 22	311305.96 (usft)	2185440.05 (usft)	34.187232	-97.386824
9	S/4 CORNER SEC 22	311289.60 (usft)	2182786.37 (usft)	34.187231	-97.395598
10	NE CORNER UNIT 51	312619.87 (usft)	2184102.93 (usft)	34.190865	-97.391219
11	SE CORNER UNIT 51	311958.82 (usft)	2184108.07 (usft)	34.189049	-97.391215
12	SW CORNER UNIT 51	311954.80 (usft)	2183444.65 (usft)	34.189049	-97.393409
13	NW CORNER UNIT 51	312615.90 (usft)	2183439.50 (usft)	34.190865	-97.393412

SPCS/GEODETIC TABLES

Surface Hole Location: 279' From South Line of Unit 51
101' From West Line of Unit 51940' From South Line of Sec 22
1889' From East Line of Sec 22Latitude: N34.189630° (NAD 27)
Longitude: W97.393079° (NAD 27)
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Ground Elev: 888.28

Drilling Unit: Unit 52 (NE/4 SW/4 SE/4),
Section 22, T4S, R2WOperator: XTO Energy, Inc.
Best Accessibility to
Location: From SouthDistance & Direction from
Hwy Jct or Town:
From the Intersection of
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Rd, go West 0.50mi on
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JOB NO:	XTO/WP21/HU 22-5103	DRAWN BY:	LD
DATE: 03/JUN/22	REV: B	SCALE:	N/A SHT NO. 7