

API NUMBER: 019 26492

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

Approval Date: 06/14/2022

Expiration Date: 12/14/2023

Straight Hole

Oil & Gas

PERMIT TO DRILL

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

SPOT LOCATION: ☐ NW ☐ SE ☐ SE ☐ SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 466 2274

Lease Name: HEWITT UNIT

Well No: 22-6005

Well will be 466 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

KAISER-FRANCIS OIL COMPANY
P.O. BOX 21468
TULSA OK 74121-1468

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

	Name	Code	Depth
1	PONTOTOC	419PNTC	850
2	HOXBAR	405HXBR	1826
3	DEESE	404DEESS	2921

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: 3750

Ground Elevation: 904

Surface Casing: 650

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:

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 22-38364

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>[6/13/2022 - 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>[6/13/2022 - G56] - (UNIT) 22-4S-2W EST HEWITT UNIT FOR BASE OF DEESS TO SURFACE</p>

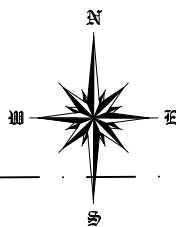
OPERATOR:



HU 22-6005

SECTION 22

TOWNSHIP 4 SOUTH, RANGE 2 WEST
CARTER COUNTY, OKLAHOMA



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SURFACE LOCATION
195' FNUL-285' FWUL
466' FSL-2274' FWL
NAD - 27
Lat: N034°11'18.64"
Lon: W097°23'48.67"
Lat: N034.188512
Lon: W097.396852
N: 311753.16
E: 2182404.48

N: 311950.77
E: 2182781.23

N: 311946.79
E: 2182118.21

N: 311285.58
E: 2182123.03

N: 311289.60
E: 2182786.37

NOTES:

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0 400' 800' 1,200'



Surface Hole Location: 195' From North Line of Unit 60
285' From West Line of Unit 60

466' From South Line of Sec 22
2274' From West Line of Sec 22

Latitude: N34.188512 (NAD 27)
Longitude: W97.396852° (NAD 27)
Latitude: N34.188605° (NAD 83)
Longitude: W97.397151° (NAD 83)

Ground Elev: 903.47

Drilling Unit: Unit 60 (SE/4 SE/4 SW/4),
Section 22, T4S, R2W

LEGEND:

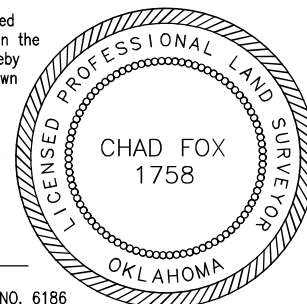
- EXISTING WELL
- HEAD/PRODUCTION WELL
- PROPOSED SURFACE HOLE (PSHL)
- SECTION CORNER
- UNIT LINE
- DRILLING UNIT

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

Distance & Direction from
Hwy Jct or Town:
From the Intersection of
Dillard Rd and Memorial
Rd.. Go 0.50mi East 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 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 22-6005	DRAWN BY:	LD
DATE:	03/JUN22	REV:	A
SCALE:	1" = 400'	SHT NO.	1

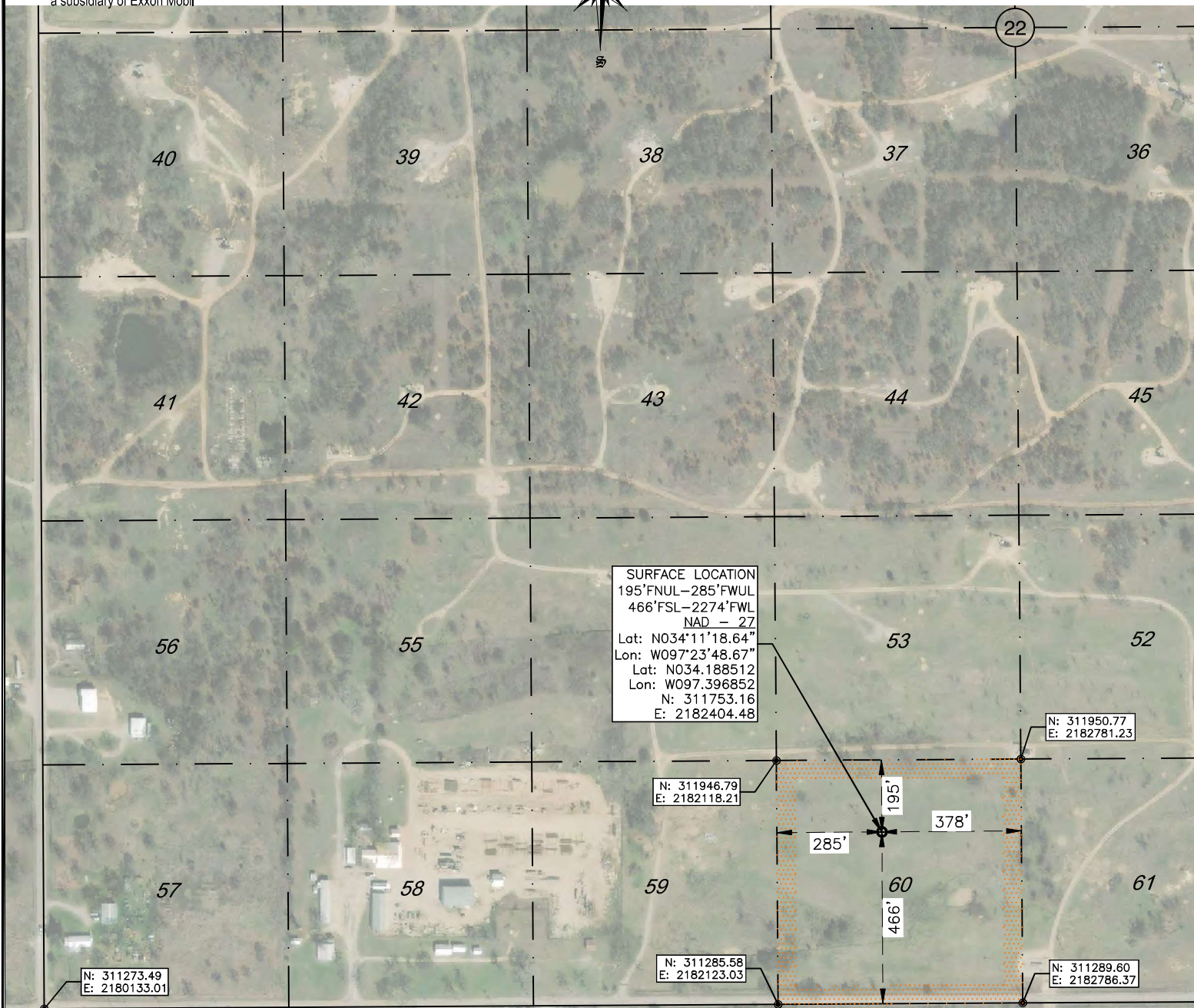
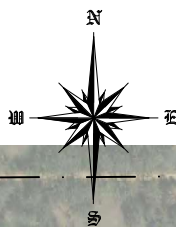
OPERATOR:



HU 22-6005

SECTION 22

TOWNSHIP 4 SOUTH, RANGE 2 WEST
CARTER COUNTY, OKLAHOMA



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0 400' 800' 1,200'



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285' From West Line of Unit 60

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2274' From West Line of Sec 22

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Longitude: W97.397151° (NAD 83)

Ground Elev: 903.47

Drilling Unit: Unit 60 (SE/4 SE/4 SW/4),
Section 22, T4S, R2W

LEGEND:

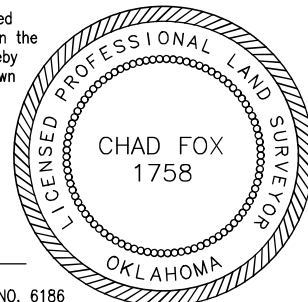
- EXISTING WELL
- HEAD/PRODUCTION WELL
- PROPOSED SURFACE HOLE (PSHL)
- SECTION CORNER
- UNIT LINE
- DRILLING UNIT

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

Distance & Direction from
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Rd.. Go 0.50mi East on
Memorial Rd to Access
Road. Well location to the
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I, Chad Fox, a duly registered
Professional Land Surveyor in the
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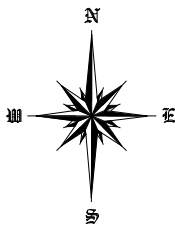


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JOB NO:	XTO/WP21/HU 22-6005	DRAWN BY:	LD
DATE:	03/JUN22	REV:	A
SCALE:	1" = 400'	SHT NO.	2

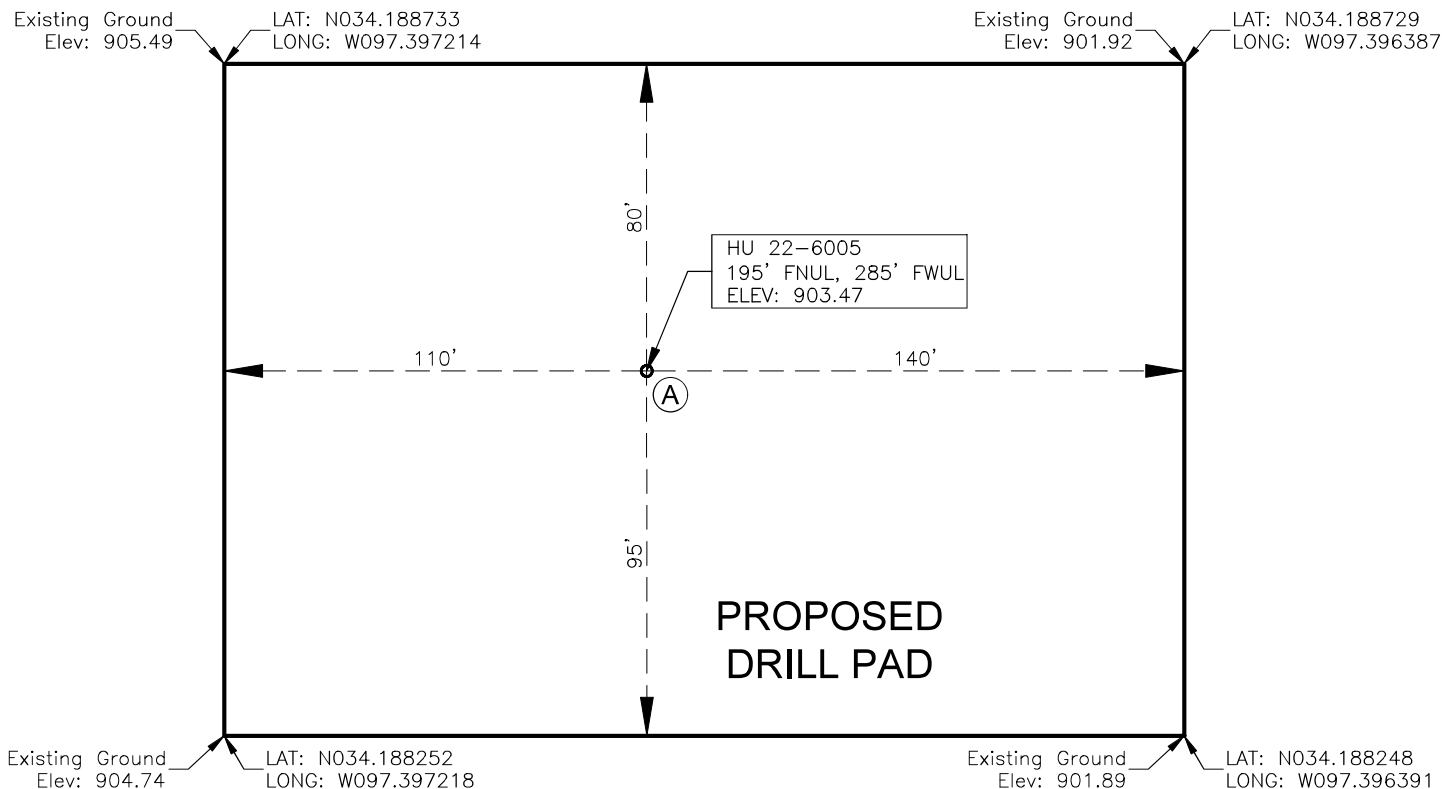
OPERATOR:



HU 22-6005

SECTION 22

TOWNSHIP 4 SOUTH, RANGE 2 WEST
CARTER COUNTY, OKLAHOMA



SLOT

① HU 22-6005, 195' FNUL, 285' FWUL, ELEV: 903.47

Surface Hole Location: 195' From North Line of Unit 60
285' From West Line of Unit 60

466' From South Line of Sec 22
2274' From West Line of Sec 22

Latitude: N34.188512 (NAD 27)
Longitude: W97.396852° (NAD 27)
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Longitude: W97.397151° (NAD 83)

Ground Elev: 903.47

Drilling Unit: Unit 60 (SE/4 SE/4 SW/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
Dillard Rd and Memorial
Rd.. Go 0.50mi East 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)

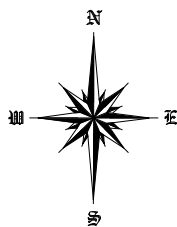


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JOB NO:	XTO/WP21/HU 22-6005	DRAWN BY:	LD
DATE: 03/JUN22	REV: A	SCALE: 1" = 50'	SHT NO. 3

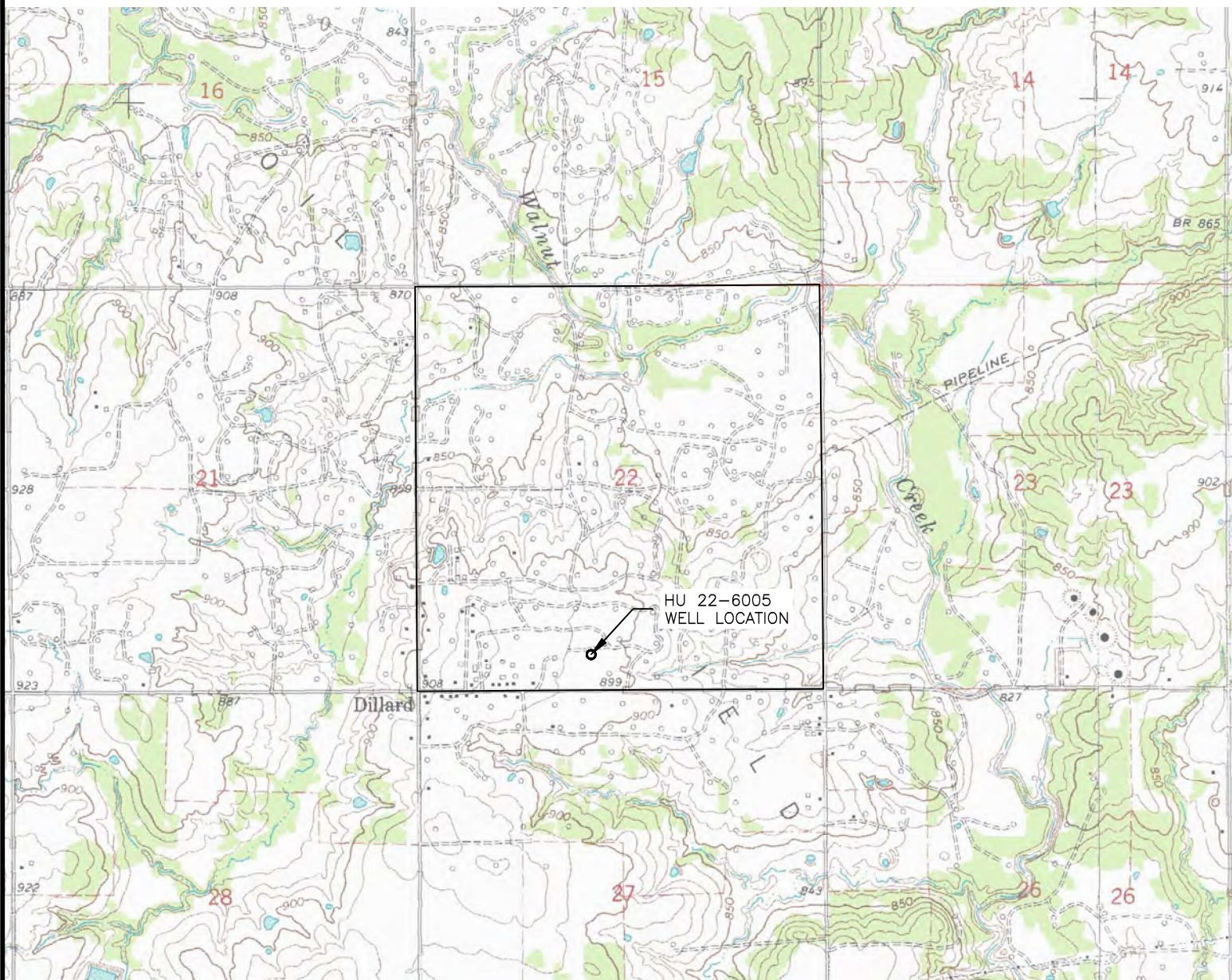
OPERATOR:



HU 22-6005

SECTION 22

TOWNSHIP 4 SOUTH, RANGE 2 WEST
CARTER COUNTY, OKLAHOMA



Location and Elevation Verification

Surface Hole Location: 195' From North Line of Unit 60
285' From West Line of Unit 60

466' From South Line of Sec 22
2274' From West Line of Sec 22

Latitude: N34.188512 (NAD 27)
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Ground Elev: 903.47

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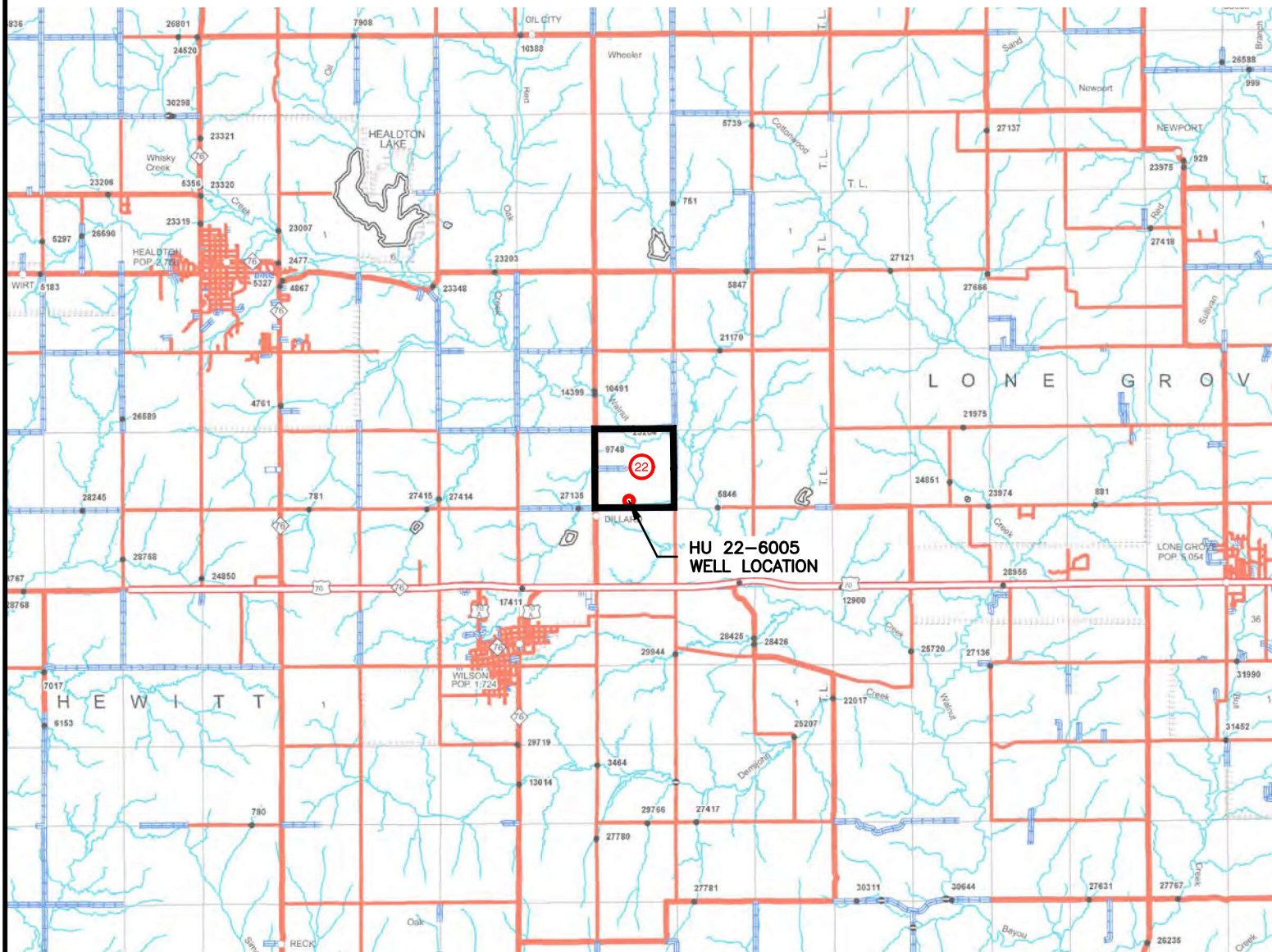
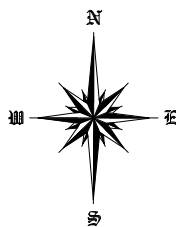
0 2,000' 4,000 6,000



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JOB NO:	XTO/WP21/HU 22-6005	DRAWN BY:	LD
DATE: 03/JUN22	REV: A	SCALE: 1" = 2,000'	SHT NO. 4



Vicinity Map

Surface Hole Location: 195' From North Line of Unit 60
 285' From West Line of Unit 60

466' From South Line of Sec 22
 2274' From West Line of Sec 22

Latitude: N34.188512 (NAD 27)
 Longitude: W97.396852° (NAD 27)
 Latitude: N34.188605° (NAD 83)
 Longitude: W97.397151° (NAD 83)

Ground Elev: 903.47

Drilling Unit: Unit 60 (SE/4 SE/4 SW/4),
 Section 22, T4S, R2W

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

Distance & Direction from
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Memorial Rd to Access
Road. Well location to the
North.

0 2 miles 4 miles 6 miles



CDF AND ASSOCIATES, LLC.

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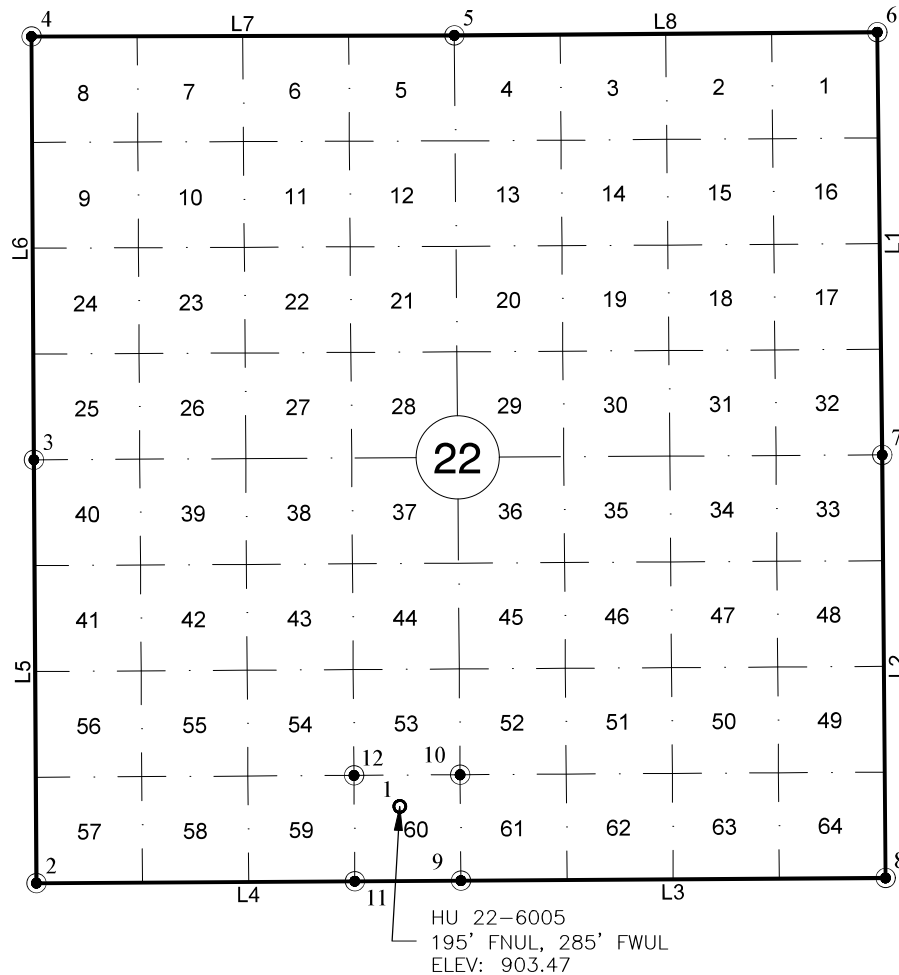
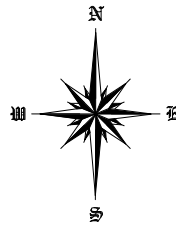
JOB NO:	XTO/WP21/HU 22-6005	DRAWN BY:	LD
DATE: 03/JUN22	REV: A	SCALE: 1" = 2miles	SHT NO. 5



HU 22-6005

SECTION 22

TOWNSHIP 4 SOUTH, RANGE 2 WEST
CARTER COUNTY, OKLAHOMA



NAD-27
Not to Scale

LEGEND:

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

SPCS/GEODETIC MAP

Surface Hole Location:	195' From North Line of Unit 60 285' From West Line of Unit 60
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466' From South Line of Sec 22
2274' From West Line of Sec 22

Latitude: N34.188512 (NAD 27)
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Drilling Unit:	Unit 60 (SE/4 SE/4 SW/4), Section 22, T4S, R2W
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Operator: XTO Energy, Inc.
Best Accessibility to
Location: From South

Distance & Direction from
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Certificate of Authorization No. 6186

JOB NO:	XT0/WP21/HU 22-6005	DRAWN BY:	LD
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DATE: 03/JUN22	REV: A	SCALE: N/A	SHT NO. 6
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OPERATOR:



HU 22-6005

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 22-6005	311753.16 (usft)	2182404.48 (usft)	34.188512	-97.396852
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 60	311950.77 (usft)	2182781.23 (usft)	34.189048	-97.395602
11	SW CORNER UNIT 60	311285.58 (usft)	2182123.03 (usft)	34.187231	-97.397792
12	NW CORNER UNIT 60	311946.79 (usft)	2182118.21 (usft)	34.189048	-97.397795

SPCS/GEODETIC TABLES

Surface Hole Location: 195' From North Line of Unit 60
285' From West Line of Unit 60

466' From South Line of Sec 22
2274' From West Line of Sec 22

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Ground Elev: 903.47

Drilling Unit: Unit 60 (SE/4 SE/4 SW/4),
Section 22, T4S, R2W

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

Distance & Direction from
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JOB NO:	XTO/WP21/HU 22-6005	DRAWN BY:	LD
DATE: 03/JUN22	REV: A	SCALE:	N/A SHT NO. 7