

API NUMBER: 019 26487

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: 15 Township: 4S Range: 2W County: CARTER

SPOT LOCATION: ☐ NW ☐ SW ☐ NE ☐ SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 1696 1373

Lease Name: HEWITT UNIT Well No: 15-4304 Well will be 1373 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

EARL J. DETHLOFF & JOYCE DETHLOFF
6262 RECK RD
WILSON OK 73463

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

	Name	Code	Depth
1	PONTOTOC	419PNTC	800
2	HOXBAR	405HXBR	1191
3	DEESE	404DEESS	2116

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: 3300 Ground Elevation: 844

Surface Casing: 650

Depth to base of Treatable Water-Bearing FM: 450

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: 22-38366
H. (Other) CLOSED SYSTEM=STEEL PITS (REQUIRED - WALNUT CREEK)

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) W2, W2 SW4 NE4, W2 NW4 SE4, SW4 SE4, W2 SE4 SE4, SE4 SE4 SE4 15-4S-2W</p> <p>EST HEWITT UNIT FOR BASE OF DEESS TO SURFACE</p>

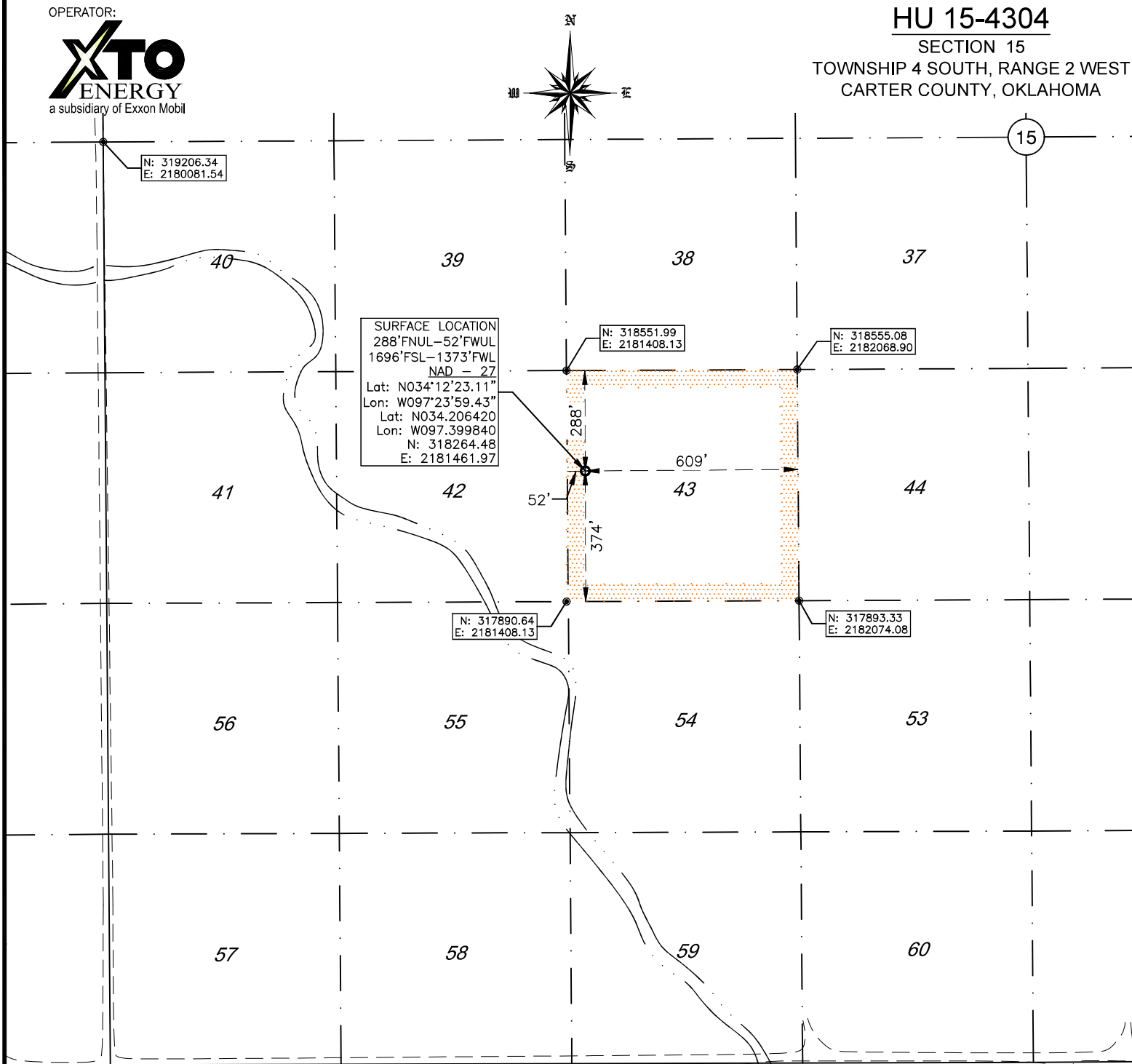
OPERATOR:



HU 15-4304

SECTION 15

TOWNSHIP 4 SOUTH, RANGE 2 WEST
CARTER COUNTY, OKLAHOMA



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: 288' From North Line of Unit 43
52' From West Line of Unit 43

1696' From South Line of Sec 15
1373' From West Line of Sec 15

Latitude: N34.206420° (NAD 27)
Longitude: W97.399840° (NAD 27)
Latitude: N34.206513° (NAD 83)
Longitude: W97.400140° (NAD 83)

Ground Elev: 843.67

Drilling Unit: Unit 43 (SW/4 NE/4 SW/4),
Section 15, T4S, R2W

LEGEND:

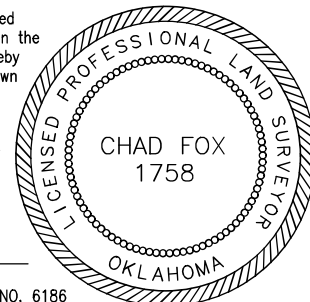
- EXISTING WELL
- HEAD/PRODUCTION WELL
- PROPOSED SURFACE HOLE (PSHL)
- SECTION CORNER
- UNIT LINE
- DRILLING UNIT

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

Distance & Direction from
Hwy Jct or Town:
From the Intersection of
Exxon Rd and Dillard Rd,
go East 0.4mi on Exxon
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 15-4304	DRAWN BY:	LD
DATE: 03/JUN/22	REV:	B SCALE: 1" = 400'	SHT NO. 1

OPERATOR:



HU 15-4304

SECTION 15

TOWNSHIP 4 SOUTH, RANGE 2 WEST
CARTER COUNTY, OKLAHOMA



N: 319206.34
E: 2180081.54

SURFACE LOCATION
288' FNUL-52' FWUL
1696' FSL-1373' FWL
NAD - 27
Lat: N034°12'23.11"
Lon: W097°23'59.43"
Lat: N034.206420
Lon: W097.399840
N: 318264.48
E: 2181461.97

N: 318551.99
E: 2181408.13

N: 318555.08
E: 2182068.90

N: 317890.64
E: 2181408.13

N: 317893.33
E: 2182074.08

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Ground Elev: 843.67

Drilling Unit: Unit 43 (SW/4 NE/4 SW/4),
Section 15, T4S, R2W

LEGEND:

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

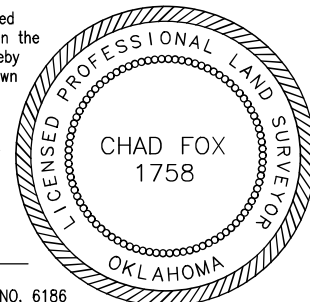
Operator: XTO Energy, Inc.
Best Accessibility to
Location: From South

Distance & Direction from
Hwy Jct or Town:
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go East 0.4mi on Exxon
Rd. to access road. Well
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I, Chad Fox, a duly registered
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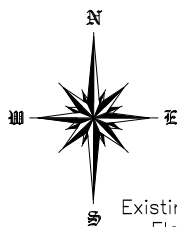
OPERATOR:



HU 15-4304

SECTION 15

TOWNSHIP 4 SOUTH, RANGE 2 WEST
CARTER COUNTY, OKLAHOMA



Existing Ground
Elev: 849.45

LAT: N034.206800
LONG: W097.399567

**PROPOSED
DRILL PAD**

LAT: N034.206462
LONG: W097.400287

HU 15-4304
288' FNUL, 52' FWUL
ELEV: 843.67

Existing Ground
Elev: 842.62

LAT: N034.206382
LONG: W097.399283

Existing Ground
Elev: 850.08

Existing Ground
Elev: 841.87

LAT: N034.206044
LONG: W097.400002

SLOT

(A) HU 15-4304, 288' FNUL, 52' FWUL, ELEV: 843.67

Surface Hole Location: 288' From North Line of Unit 43
52' From West Line of Unit 43

1696' From South Line of Sec 15
1373' From West Line of Sec 15

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Ground Elev: 843.67

Drilling Unit: Unit 43 (SW/4 NE/4 SW/4),
Section 15, T4S, R2W

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

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Rd. to access road. Well
location to the North.

LEGEND:

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

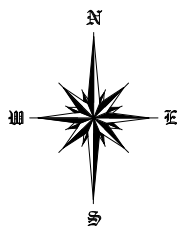


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DATE: 03/JUN/22	REV: B	SCALE: 1" = 50'	SHT NO. 3

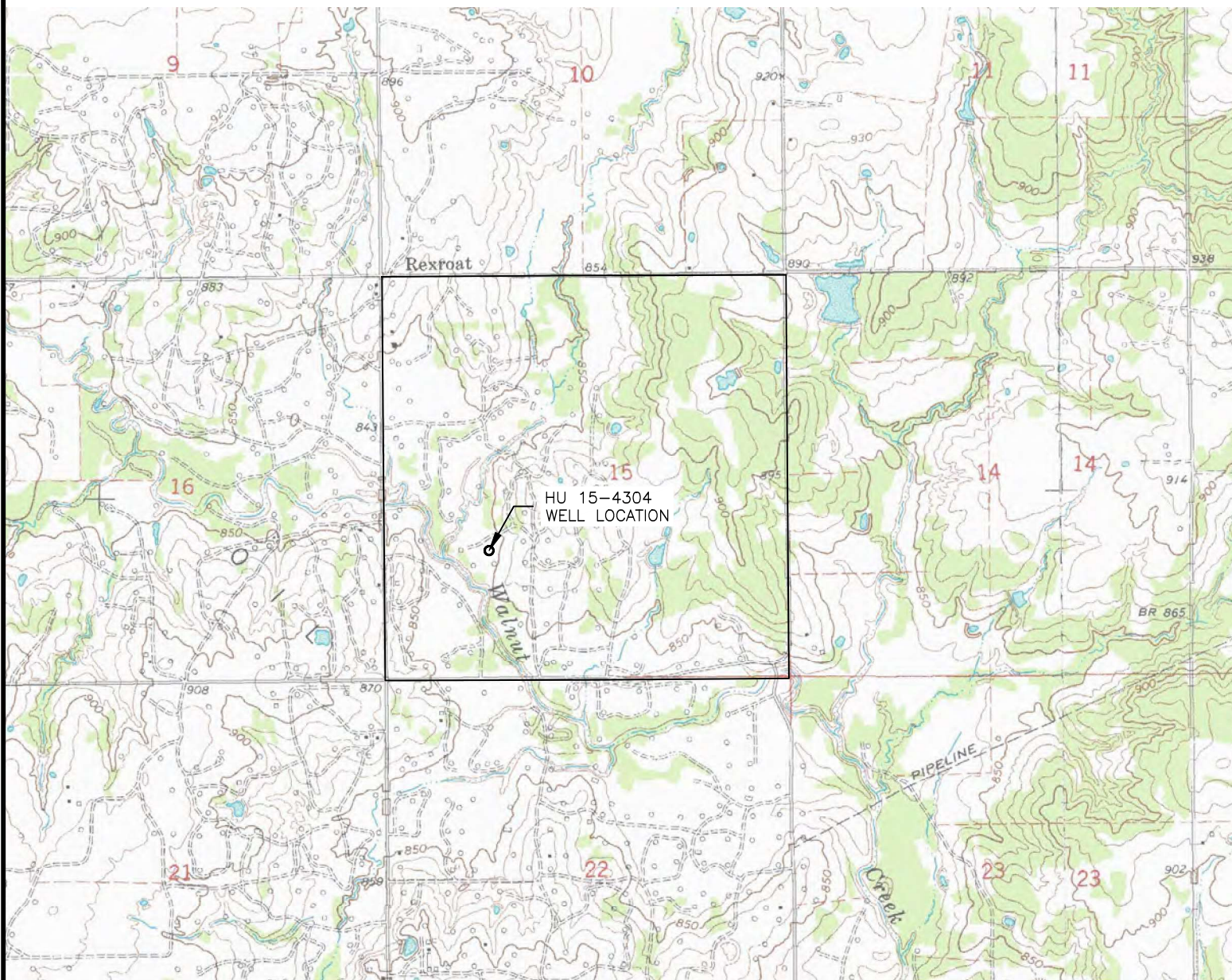
OPERATOR:



HU 15-4304

SECTION 15

TOWNSHIP 4 SOUTH, RANGE 2 WEST
CARTER COUNTY, OKLAHOMA



Location and Elevation Verification

Surface Hole Location: 288' From North Line of Unit 43
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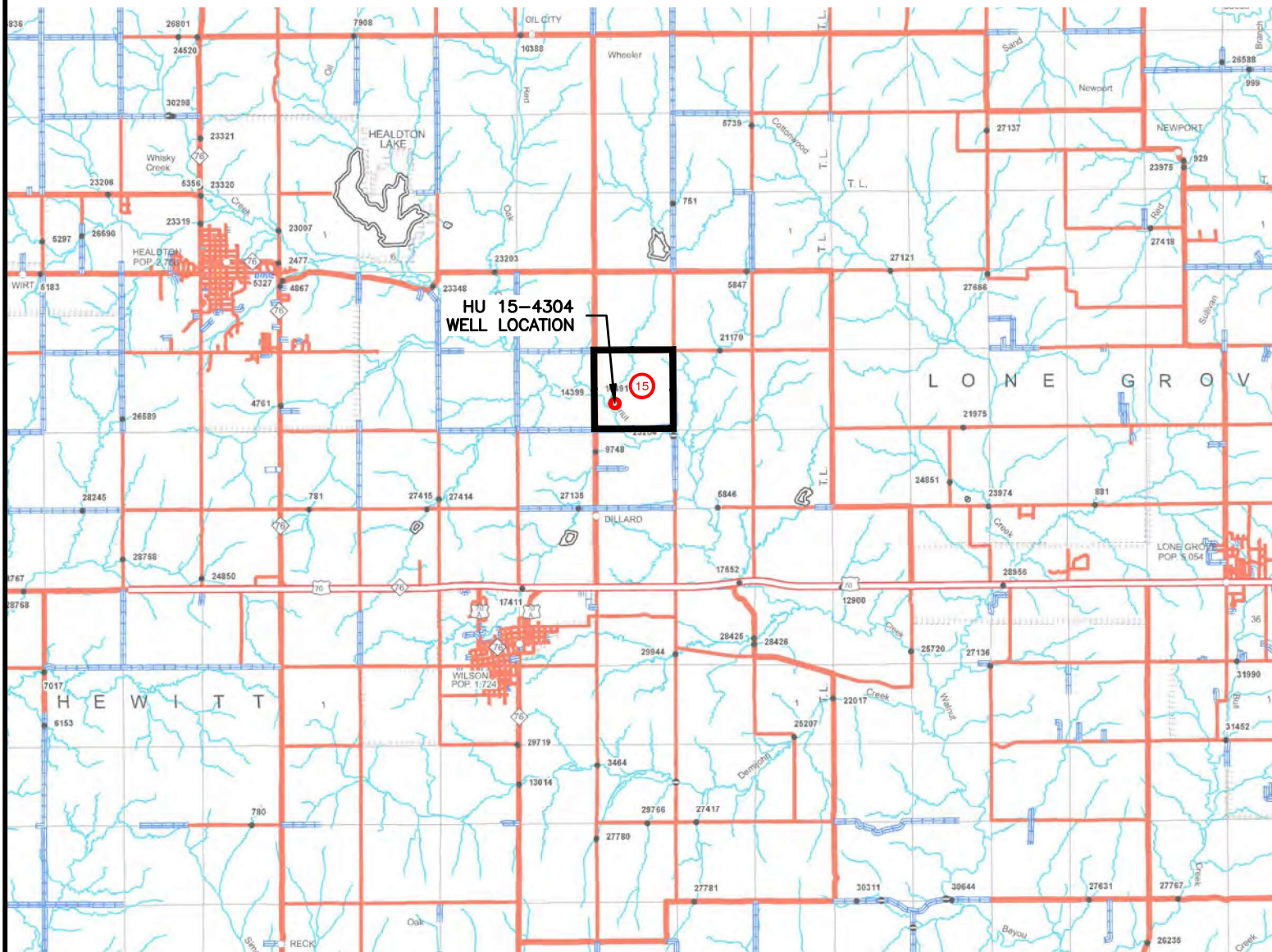
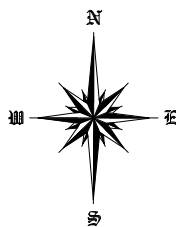
0 2,000' 4,000 6,000



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DATE: 03/JUN/22	REV:	B SCALE: 1" = 2,000'	SHT NO. 4



Vicinity Map

Surface Hole Location: 288' From North Line of Unit 43
 52' From West Line of Unit 43

1696' From South Line of Sec 15
 1373' From West Line of Sec 15

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Ground Elev: 843.67

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 Location: From South

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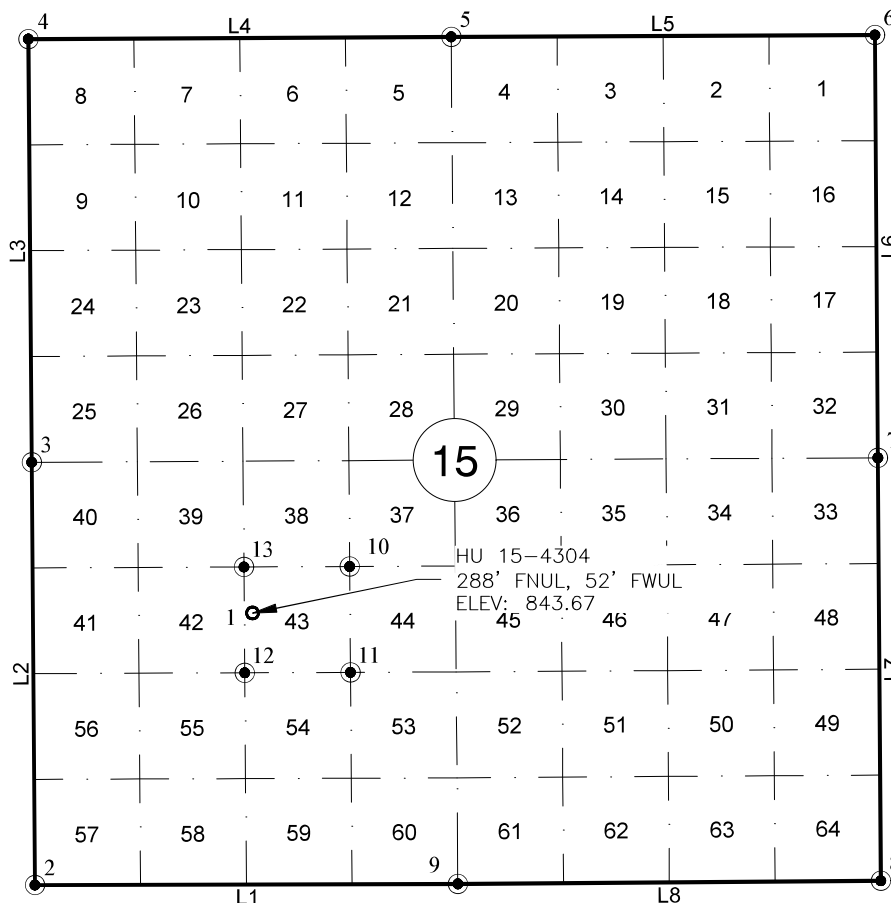
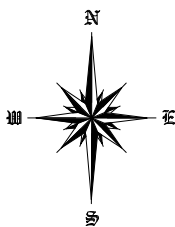
0 2 miles 4 miles 6 miles



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JOB NO:	XTO/WP21/HU 15-4304	DRAWN BY:	LD
DATE: 03/JUN/22	REV:	B SCALE: 1" = 2miles	SHT NO. 5



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: 288' From North Line of Unit 43
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DATE: 03/JUN/22	REV:	B	SCALE: N/A
			SHT NO. 6

OPERATOR:



HU 15-4304

SECTION 15

TOWNSHIP 4 SOUTH, RANGE 2 WEST
CARTER COUNTY, OKLAHOMA

Line Table

Line #	Azimuth	Length
L1	269.840081	2643.48
L2	359.559860	2642.10
L3	359.542844	2645.11
L4	089.699142	2643.32
L5	089.757356	2647.75
L6	179.596484	2642.20
L7	179.597798	2643.14
L8	269.575919	2643.37

Point Table

POINT	DESCRIPTION	NORTHING (NAD27)	EASTING (NAD27)	LATITUDE (NAD27)	LONGITUDE (NAD27)
1	HU 15-4304	318264.48 (usft)	2181461.97 (usft)	34.206420	-97.399840
2	SW CORNER SEC 15	316564.33 (usft)	2180101.88 (usft)	34.201770	-97.404372
3	W/4 CORNER SEC 15	319206.32 (usft)	2180081.50 (usft)	34.209030	-97.404388
4	NW CORNER SEC 15	321851.39 (usft)	2180060.41 (usft)	34.216299	-97.404406
5	N/4 CORNER SEC 15	321865.25 (usft)	2182703.69 (usft)	34.216294	-97.395662
6	NE CORNER SEC 15	321876.46 (usft)	2185351.41 (usft)	34.216281	-97.386904
7	E/4 CORNER SEC 15	319234.33 (usft)	2185370.02 (usft)	34.209020	-97.386896
8	SE CORNER SEC 15	316591.26 (usft)	2185388.57 (usft)	34.201757	-97.386888
9	S/4 CORNER SEC 15	316571.69 (usft)	2182745.28 (usft)	34.201747	-97.395630
10	NE CORNER UNIT 43	318555.08 (usft)	2182068.90 (usft)	34.207208	-97.397827
11	SE CORNER UNIT 43	317893.33 (usft)	2182074.08 (usft)	34.205390	-97.397823
12	SW CORNER UNIT 43	317890.66 (usft)	2181413.28 (usft)	34.205393	-97.400009
13	NW CORNER UNIT 43	318551.99 (usft)	2181408.13 (usft)	34.207211	-97.400013

SPCS/GEODETIC TABLES

Surface Hole Location: 288' From North Line of Unit 43
52' From West Line of Unit 431696' From South Line of Sec 15
1373' From West Line of Sec 15Latitude: N34.206420° (NAD 27)
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DATE: 03/JUN/22	REV:	B	SCALE: N/A
			SHT NO. 7