

API NUMBER: 085 21327

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

Approval Date: 06/24/2021
Expiration Date: 12/24/2022

Horizontal Hole Strat Test

PERMIT TO DRILL

WELL LOCATION: Section: 17 Township: 7S Range: 1E County: LOVE

SPOT LOCATION: ☐ SE ☐ NW ☐ NW ☐ NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 579 2018

Lease Name: MESSENGER Well No: 1-17H Well will be 579 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 PARKWAY
SPRING, TX 77389-1425

SUSAN MCCARTY, MANAGER
SHORT MCCARTY LIMITED FAMILY PARTNERSHIP
911 SOUTH WILSON AVENUE
BOZEMAN MT 59715

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

	Name	Code	Depth
1	CANEY	354CNEY	13777
2	WOODFORD	319WDFD	14540
3	HUNTON	269HNTN	14710

Spacing Orders: No Spacing

Location Exception Orders: No Exceptions

Increased Density Orders: No Density Orders

Pending CD Numbers: No Pending

Working interest owners' notified: ***

Special Orders: No Special Orders

Total Depth: 19500

Ground Elevation: 840

Surface Casing: 1990

Depth to base of Treatable Water-Bearing FM: 480

Deep surface casing has been approved

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: 21-37669

H. (Other)

SEE MEMO

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is: NON HSA

Pit Location Formation: KIAMICHI

PIT 2 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: OIL BASED

Chlorides Max: 300000 Average: 200000

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: C

Liner not required for Category: C

Pit Location is: NON HSA

Pit Location Formation: KIAMICHI

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.

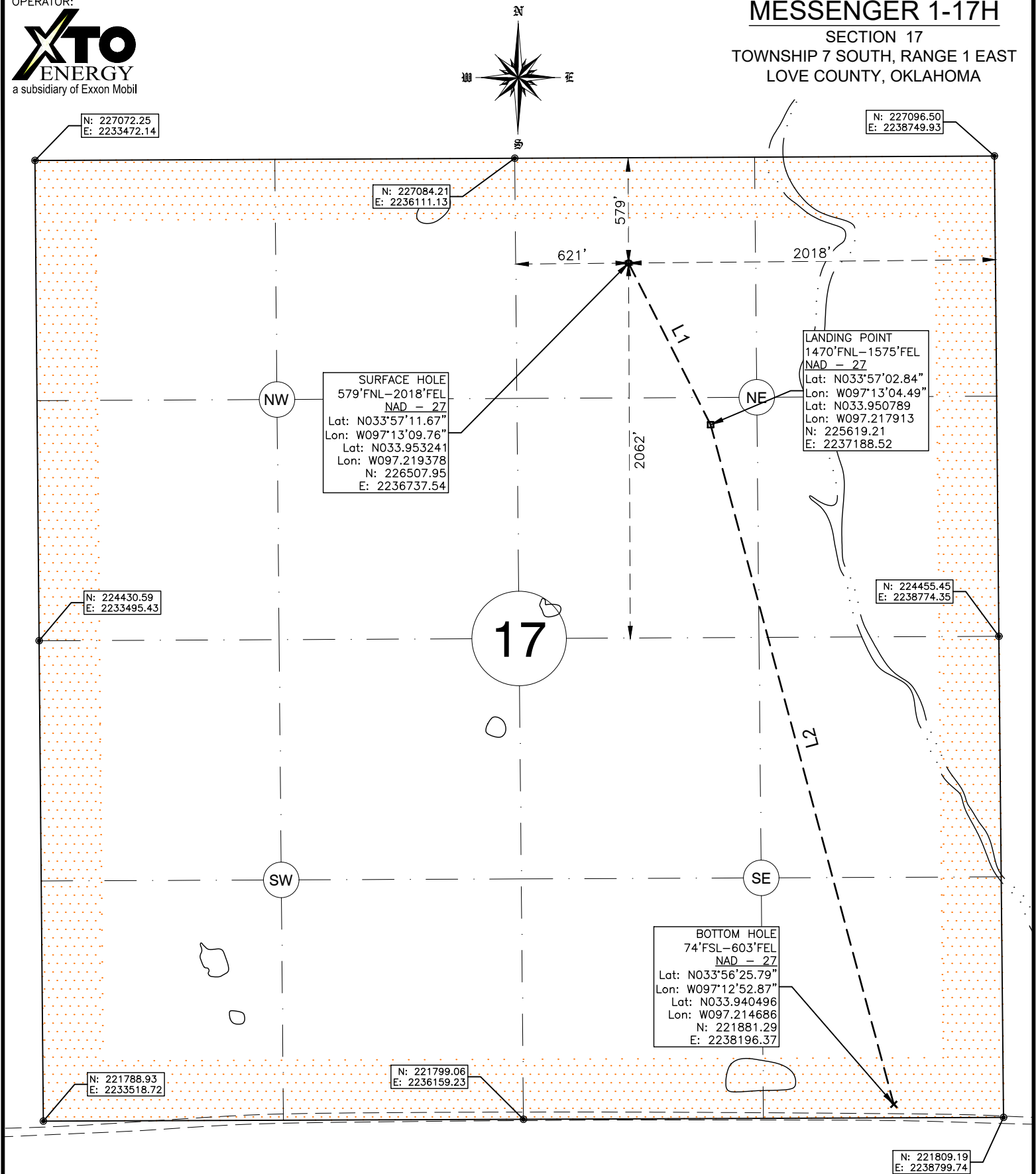
HORIZONTAL HOLE 1

Section: 17	Township: 7S	Range: 1E	Meridian: IM	Total Length: 3871
	County: LOVE			Measured Total Depth: 19500
Spot Location of End Point: SW	SE	SE	SE	True Vertical Depth: 14783
Feet From: SOUTH		1/4 Section Line: 74		End Point Location from
Feet From: EAST		1/4 Section Line: 603		Lease, Unit, or Property Line: 74

NOTES:

Category	Description
DEEP SURFACE CASING	[6/24/2021 - GC2] - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING
MEMO	[6/24/2021 - GC2] - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING	[6/24/2021 - GC2] - N/A STRATIGRAPHIC TEST

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.



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.

2. Bottom hole information provided by operator listed, not surveyed and corner coordinates are taken from points surveyed in field.

LEGEND:

- EXISTING WELL HEAD/PRODUCTION WELL
- PROPOSED SURFACE HOLE (PSHL)
- SECTION CORNER
- PROPOSED LANDING POINT (LP)
- PROPOSED DIVERSION POINT
- PROPOSED BOTTOM HOLE (PBHL)
- BORE LINE SECTION LINE INTERSECT
- EXISTING WELL BORE
- PROPOSED WELL BORE
- SUBJECT WELL BORE
- DRILLING UNIT

Line Table		
Line #	Azimuth	Length
L1	153.094442	996.61
L2	164.910325	3871.41

Surface Hole Location: 579' From North Line Section 17
2018' From East Line Section 17

Latitude: N33.953241° (NAD 27)
Longitude: W97.219378° (NAD 27)
Latitude: N33.953342° (NAD 83)
Longitude: W97.219671° (NAD 83)

Ground Elev: 839.84

Landing Point Location: 1470' From North Line of Section 17
1575' From East Line of Section 17

Bottom Hole Location: 74' From South Line Section 17
603' From East Line Section 17

Drilling Unit: Sec 17, T7S, R1E

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

Distance & Direction from Hwy Jct or Town:
From the Intersection of Hwy 32 and Interstate 35, then west on Hwy 32 4.9mi to Existing Access Rd. 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: 31JAN22 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/MESSANGER 1-17H	DRAWN BY:	LD
DATE: 16/JUN/21	REV: C	SCALE: 1" = 700'	Sht 1