

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

API NUMBER: 085 21295

Approval Date: 02/01/2019
Expiration Date: 08/01/2020

Horizontal Hole Oil & Gas
Multi Unit

PERMIT TO DRILL

WELL LOCATION: Sec: 28 Twp: 7S Rge: 2E County: LOVE
SPOT LOCATION: NW NW NW NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 245 290

Lease Name: MILLER Well No: 1-28H20X17 Well will be 245 feet from nearest unit or lease boundary.
Operator Name: XTO ENERGY INC Telephone: 4053193208; 8178852 OTC/OCC Number: 21003 0

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

BOBBY REED JR & JEANETTE REED
10277 CEMETARY ROAD
MARIETTA OK 73448

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

Name	Depth	Name	Depth
1 CANEY	16225	6	
2 WOODFORD	16975	7	
3 HUNTON	17125	8	
4		9	
5		10	

Spacing Orders: 689064
126835

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201808642
201808641

Special Orders:

Total Depth: 27525

Ground Elevation: 856

Surface Casing: 340

Depth to base of Treatable Water-Bearing FM: 90

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

Approved Method for disposal of Drilling Fluids:

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? Y

Wellhead Protection Area? Y

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: BOKCHITO

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

PERMIT NO: 18-35565

H. SEE MEMO

This permit does not address the right of entry or settlement of surface damages.

The duration of this permit is SIX 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.

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? Y

Wellhead Protection Area? Y

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: BOKCHITO

HORIZONTAL HOLE 1

Sec 17 Twp 7S Rge 2E County LOVE

Spot Location of End Point: SW SE NE NE

Feet From: NORTH 1/4 Section Line: 1000

Feet From: EAST 1/4 Section Line: 528

Depth of Deviation: 16568

Radius of Turn: 1000

Direction: 355

Total Length: 9386

Measured Total Depth: 27525

True Vertical Depth: 17125

End Point Location from Lease,
Unit, or Property Line: 528

Notes:

Category

Description

HYDRAULIC FRACTURING

12/30/2018 - G71 - OCC 165:10-3-10 REQUIRES:

1) PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE;

2) WITH NOTICE ALSO GIVEN 48 HOURS IN ADVANCE OF HYDRAULIC FRACTURING ALL WELLS TO BOTH THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES, USING THE "FRAC NOTICE FORM" FOUND AT THE FOLLOWING LINK: OCCEWEB.COM/OG/OGFORMS.HTML; AND,

3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION THE HYDRAULIC FRACTURING OPERATIONS, USING THE FOLLOWING LINK: FRACFOCUS.ORG

MEMO

12/30/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201808641

1/31/2019 - G56 - (I.O.) 17 & 20-7S-2E
ESTABLISH MULTIUNIT HORIZONTAL WELL
X126835 CNEY 17 & 20-7S-2E
X201808640 WDFD, HNTN 17 & 20-7S-2E
(CNEY, HNTN ARE ADJACENT COMMON SOURCES OF SUPPLY TO WDFD)
50% 17-7S-2E
50% 20-7S-2E
XTO ENERGY INC.
REC 12/3/2018 (MILLER)

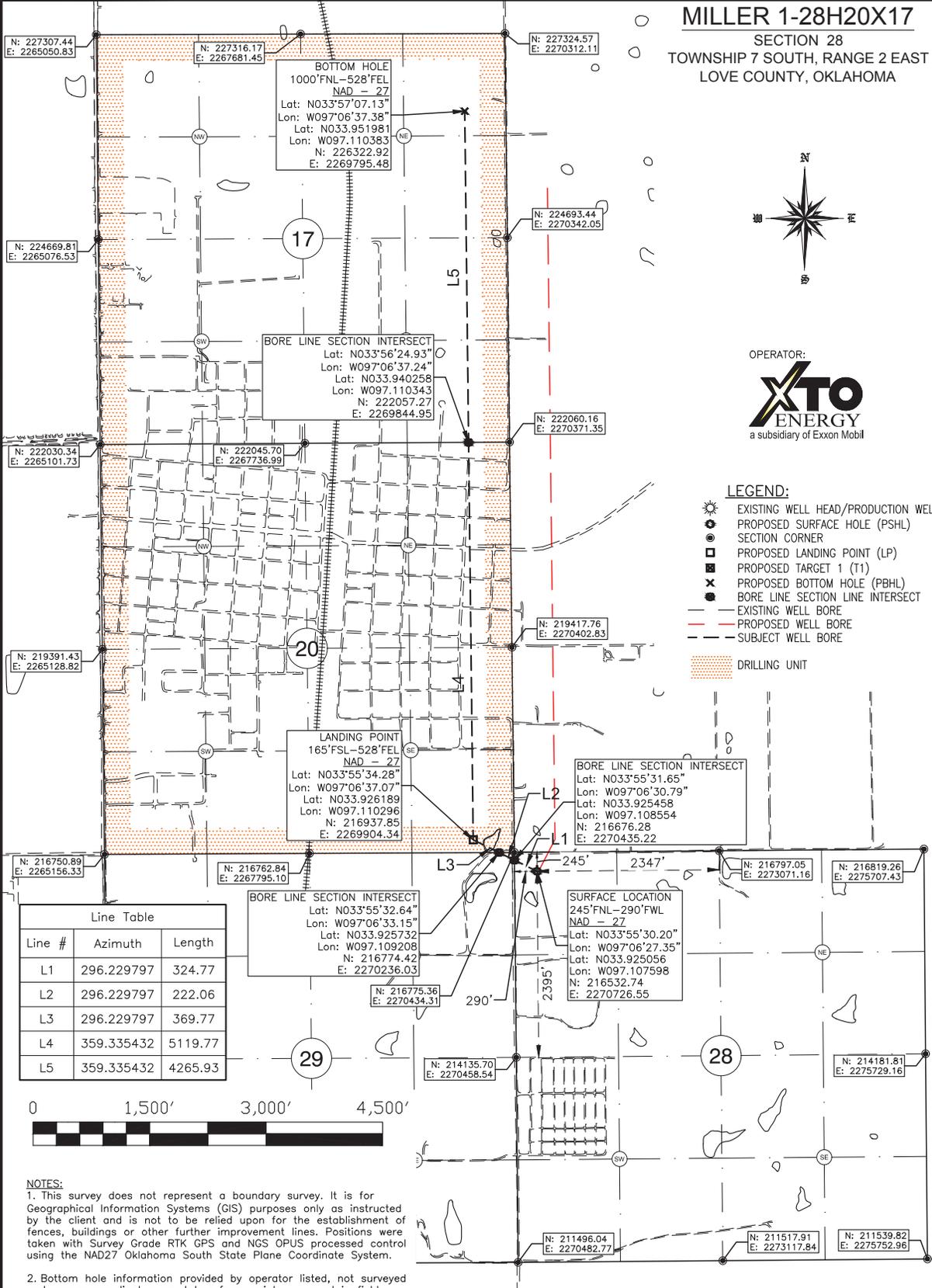
This permit does not address the right of entry or settlement of surface damages.
The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.
Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

Category	Description
PENDING CD - 201808642	1/31/2019 - G56 - (I.O.) 17 & 20-7S-2E X126835 17 & 20-7S-2E X201808640 17 & 20-7S-2E COMPL INT (20-7S-2E) NCT 165' FSL, NCT 0' FNL, NCT 330' FEL COMPL INT (17-7S-2E) NCT 0' FSL, NCT 165' FNL, NCT 330' FEL NO OP NAMED REC 12/3/2018 (DENTON)
PUBLIC WATER SUPPLY WELL	12/30/2018 - G71 - MARIETTA - 1 PWS/WPA, NE/4 20-7S-2E
SPACING - 126835	1/31/2019 - G56 - (640) 17 & 20-7S-2E EST CNEY, OTHERS
SPACING - 689064	1/31/2019 - G56 - (640) 17 & 20-7S-2E EXT 636867 WDFD, HNTN

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Office of the Conservation Division as to when Surface Casing will be run.

MILLER 1-28H20X17

SECTION 28
TOWNSHIP 7 SOUTH, RANGE 2 EAST
LOVE COUNTY, OKLAHOMA



LEGEND:

- EXISTING WELL HEAD/PRODUCTION WELL
- PROPOSED SURFACE HOLE (PSHL)
- SECTION CORNER
- PROPOSED LANDING POINT (LP)
- PROPOSED TARGET 1 (T1)
- 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	296.229797	324.77
L2	296.229797	222.06
L3	296.229797	369.77
L4	359.335432	5119.77
L5	359.335432	4265.93

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.

Surface Hole Location: 245' From North Line Section 28
290' From West Line Section 28

Latitude: N33.925056° (NAD 27)
Longitude: W97.107598° (NAD 27)
Latitude: N33.925157° (NAD 83)
Longitude: W97.107888° (NAD 83)

Ground Elev: 856.45

Landing Point Location: 165' From South Line Section 20
528' From East Line Section 20

Bottom Hole Location: 1000' From North Line Section 17
528' From East Line Section 17

Drilling Unit: Sections 17 & 20, T7S, R2E

Operator: XTO Energy, Inc.

Best Accessibility to Location: From West

Distance & Direction from Hwy Jct or Town:
From the Intersection of Hwy 77 and W Main St in Marietta, OK., then East on W. Main St 0.6mi to Ashwood Ave., then South 0.4mi to Oak St., then East 0.4mi. to Cemetery Rd., then South 0.3mi to Access Rd. Well Location to the East.

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: 31JAN20 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/WP18/MILLER 1-28H20X17	DRAWN BY: LD
DATE: 29/NOV/18	REV: B	SCALE: 1" = 1,500' SHT NO. 1