

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

API NUMBER: 085 21302

Approval Date: 04/11/2019

Expiration Date: 10/11/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 17 Twp: 7S Rge: 1E

County: LOVE

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 778 159

Lease Name: MCCARTY

Well No: 2-17H

Well will be 159 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

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

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

	Name	Depth	Name	Depth
1	CANEY	13489	6	
2	WOODFORD	14712	7	
3	HUNTON	14772	8	
4			9	
5			10	

Spacing Orders: 625917

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201901957
201901962

Special Orders:

Total Depth: 20900

Ground Elevation: 759

Surface Casing: 1990

Depth to base of Treatable Water-Bearing FM: 440

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? 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: GOODLAND/WALNUT

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

PERMIT NO: 19-36442

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? 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: GOODLAND/WALNUT

HORIZONTAL HOLE 1

Sec 17 Twp 7S Rge 1E County LOVE

Spot Location of End Point: NW NE NE NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 528

Depth of Deviation: 14500

Radius of Turn: 740

Direction: 355

Total Length: 5237

Measured Total Depth: 20900

True Vertical Depth: 14772

End Point Location from Lease,
Unit, or Property Line: 50

Notes:

Category

Description

DEEP SURFACE CASING

4/10/2019 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

4/10/2019 - 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

4/10/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201901957

4/10/2019 - G58 - (E.O.) 17-7S-1E
X625917 CNEY, WDFD, HNTN
X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO THE MCCARTY 1-17H20X29 WELL
COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 330' FEL
NO OP. NAMED
REC 4/8/2019 (M. NORRIS)

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

085 21302 MCCARTY 2-17H

The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.

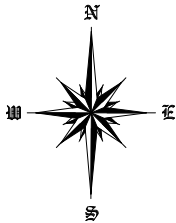
Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

Category	Description
PENDING CD - 201901962	4/10/2019 - G58 - (E.O.) 17-7S-1E X625917 WDFD 4 WELLS NO OP. NAMED REC 4/8/2019 (M. NORRIS)
SPACING - 625917	4/10/2019 - G58 - (640) 17-7S-1E EXT 260251/260983 CNEY, WDFD, HNTN, OTHER

McCARTY 2-17H

SECTION 17
TOWNSHIP 7 SOUTH, RANGE 1 EAST
LOVE COUNTY, OKLAHOMA

085-21302



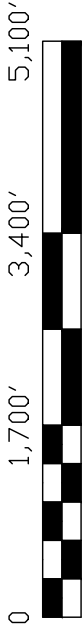
OPERATOR:



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	204.854135	859.18
L2	359.460144	5237.11



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: 778' From South Line Section 17
159' From East Line Section 17

Latitude: N33.942426° (NAD 27)
Longitude: W97.213229° (NAD 27)
Latitude: N33.942525° (NAD 83)
Longitude: W97.213520° (NAD 83)

Ground Elev: 758.82

Landing Point Location: 0' From South Line of Section 17
528' From East Line of Section 17

Bottom Hole Location: 50' From North Line Section 17
528' From East Line Section 17

Drilling Unit: Sec. 17, T7S, R1E

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

Distance & Direction from Hwy Jct or Town:
From the Intersection of Hwy 32 and Interstate 35, then West on Hwy 32 5.5mi to Existing Access Rd. Well Location to the South

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/WP19/McCARTY 2-17H	DRAWN BY:	LD
DATE: 12/MAR/19	REV: A	SCALE: 1" = 1,700'	SHT NO. 1