

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

API NUMBER: 085 21305

Approval Date: 05/22/2019

Expiration Date: 11/22/2020

Horizontal Hole Oil & Gas  
Multi Unit

PERMIT TO DRILL

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

County: LOVE

SPOT LOCATION:  SE  NW  NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 555 2024

Lease Name: MCCARTY

Well No: 3-17H20X29

Well will be 555 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 FAMILY LTD PRTS  
911 SOUTH WILSON AVENUE  
BOZEMAN MT 59715

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

	Name	Depth	Name	Depth
1	CANEY	13717	6	
2	WOODFORD	14663	7	
3	HUNTON	14702	8	
4			9	
5			10	

Spacing Orders: 625917  
642155  
640848

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201901958  
201901953  
201901962  
201901964  
201901966

Special Orders:

Total Depth: 29500

Ground Elevation: 841

**Surface Casing: 1990**

Depth to base of Treatable Water-Bearing FM: 480

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

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: GOODLAND/WALNUT

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 19-36527

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 29 Twp 7S Rge 1E County LOVE

Spot Location of End Point: SW SE SW SE

Feet From: SOUTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 1710

Depth of Deviation: 14163

Radius of Turn: 649

Direction: 179

Total Length: 14317

Measured Total Depth: 29500

True Vertical Depth: 14702

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

Notes:

Category

Description

DEEP SURFACE CASING

4/19/2019 - 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

4/19/2019 - 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](http://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](http://FRACFOCUS.ORG)

MEMO

4/19/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

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.

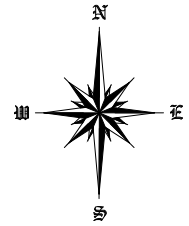
Category	Description
PENDING CD - 201901953	4/25/2019 - GB7 - (I.O.) 17,20,&29-7S-1E EST. MULTIUNIT HORIZONTAL WELL X625917 CNEY, WDFD, HNTN X642155 CNEY, WDFD, HNTN X640848 CNEY, WDFD, HNTN (CNEY, HNTN ARE ADJACENT CSS TO WDFD) 29% 17-7S-1E 37% 20-7S-1E 34% 29-7S-1E NO OP. NAMED REC 05/17/2019 (NORRIS)
PENDING CD - 201901958	4/25/2019 - GB7 - (I.O.) 17,20, & 29-7S-1E X625917 CNEY, WDFD, HNTN X642155 CNEY, WDFD, HNTN X640848 CNEY, WDFD, HNTN SHL 555' FNL, 2024' FEL OF 17-7S-1E COMPL. INT. (17-7S-1E) NCT 165' FNL, NCT 0' FSL, NCT 1550' FEL COMPL. INT. (20-7S-1E) NCT 0' FNL, NCT 0' FSL, NCT 1550' FEL COMPL. INT. (29-7S-1E) NCT 0' FNL, NCT 165' FSL, NCT 1550' FEL NO OP. NAMED REC 05/17/2019 (NORRIS)
PENDING CD - 201901962	4/25/2019 - GB7 - 17-7S-1E X625917 WDFD 4 WELLS NO OP. NAMED REC 05/17/2019 (NORRIS)
PENDING CD - 201901964	4/25/2019 - GB7 - 20-7S-1E X642155 WDFD 4 WELLS NO OP. NAMED REC 05/17/2019 (NORRIS)
PENDING CD - 201901966	4/25/2019 - GB7 - 29-7S-1E X640848 WDFD 4 WELLS NO OP. NAMED REC 05/17/2019 (NORRIS)
SPACING - 625917	4/25/2019 - GB7 - (640) 17-7S-1E EXT 260251/260983 CNEY, WDFD, HNTN, OTHER
SPACING - 640848	4/25/2019 - GB7 - (640) 29-7S-1E EXT 629534 CNEY, WDFD, HNTN, OTHER
SPACING - 642155	4/25/2019 - GB7 - (640) 20-7S-1E EXT 625917 CNEY, WDFD, HNTN, OTHER

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.

# McCARTY 3-17H20X29

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

085-21305



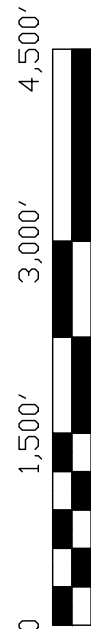
OPERATOR:



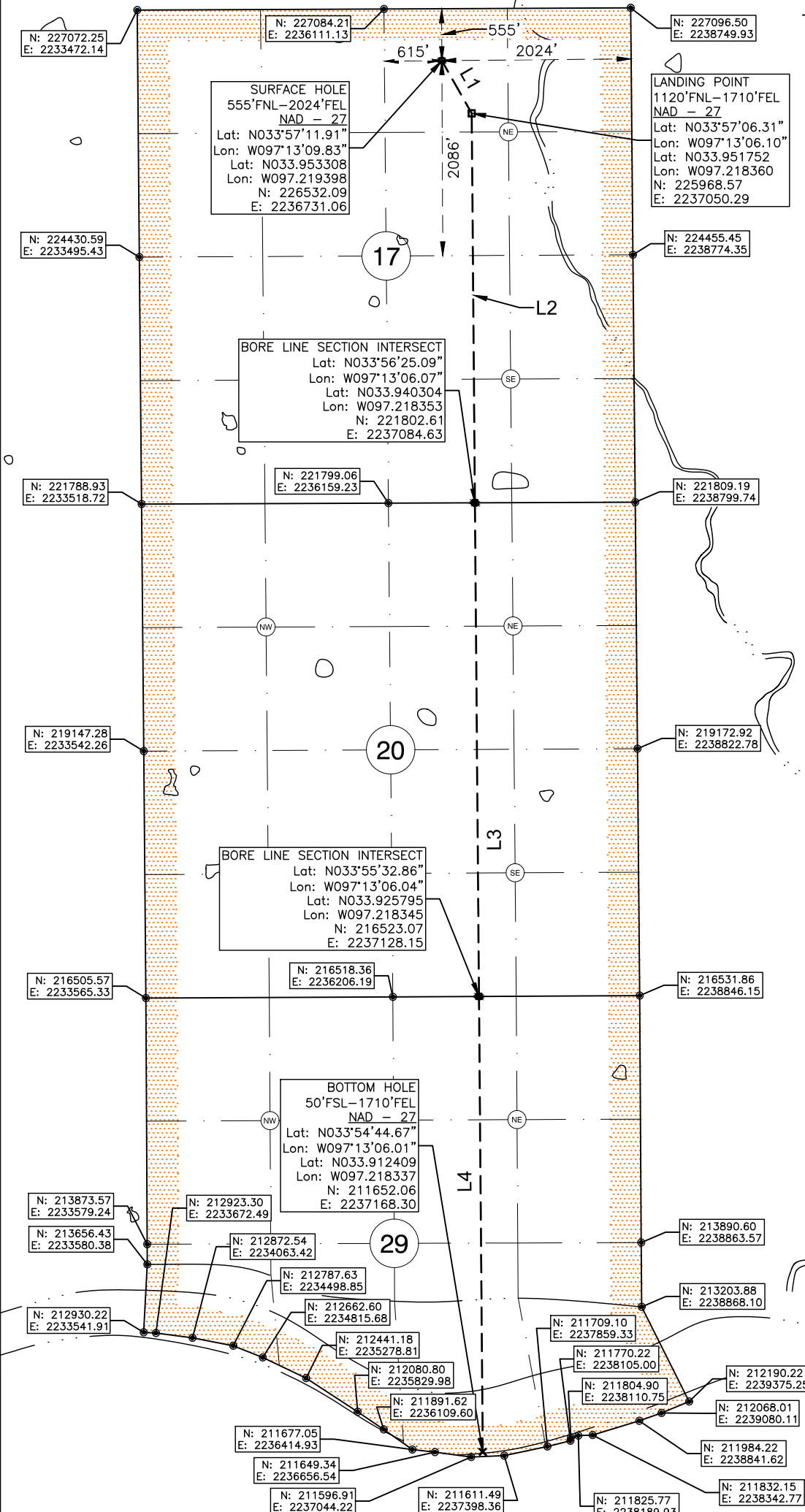
### LEGEND:

- 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	150.469208	647.66
L2	179.527729	4166.10
L3	179.527729	5279.72
L4	179.527729	4871.18



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: 555' From North Line Section 17  
2024' From East Line Section 17

Latitude: N33.953308° (NAD 27)  
Longitude: W97.219398° (NAD 27)  
Latitude: N33.953408° (NAD 83)  
Longitude: W97.219691° (NAD 83)

Ground Elev: 840.78

Landing Point Location: 1120' From North Line of Section 17  
1710' From East Line of Section 17

Bottom Hole Location: 50' From South Line Section 29  
1710' From East Line Section 29

Drilling Unit: Sec. 17, 20, & 29 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: 31JAN20 C.O.A. NO. 6186



<b>CDF AND ASSOCIATES, LLC.</b>			
208 Dewey Ave. Poteau, OK 74953 (918) 649-3303			
Certificate of Authorization No. 6186			
JOB NO:	XTO/WP19/MCCARTY 3-17H20X29	DRAWN BY:	LD
DATE:	12/MAR/19	REV:	A SCALE: 1" = 1,500' Sht 1