

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

API NUMBER: 085 21306

Approval Date: 05/22/2019

Expiration Date: 11/22/2020

Horizontal Hole Oil & Gas
Multi Unit

PERMIT TO DRILL

WELL LOCATION: Sec: 08 Twp: 7S Rge: 1E County: LOVE

SPOT LOCATION: NW SE SE SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 500 2275

Lease Name: MCCARTY Well No: 4-8H17X20X29 Well will be 500 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 LIMITED PARTNERSHIP
911 SOUTH WILSON AVENUE
BOZEMAN MT 59715

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

	Name	Depth	Name	Depth
1	CANEY	13906	6	
2	WOODFORD	14692	7	
3	HUNTON	14735	8	
4			9	
5			10	

Spacing Orders: 625917
642155
640848

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201901959
201901954
201901962
201901964
201901966

Special Orders:

Total Depth: 30200

Ground Elevation: 886

Surface Casing: 1990

Depth to base of Treatable Water-Bearing FM: 490

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: CADDO

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 19-36528

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: CADDO

HORIZONTAL HOLE 1

Sec 29 Twp 7S Rge 1E County LOVE

Spot Location of End Point: SE SE SE SW

Feet From: SOUTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 2480

Depth of Deviation: 14192

Radius of Turn: 680

Direction: 179

Total Length: 14940

Measured Total Depth: 30200

True Vertical Depth: 14735

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; 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

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

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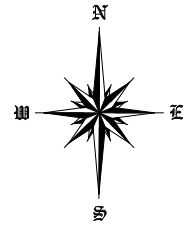
Category	Description
PENDING CD - 201901954	4/29/2019 - GB7 - (I.O.) 17, 20, & 29-7S-1E EST. MULTIUNIT HORIZONTAL WELL X625917 CNEY, WDFD, HNTN X642155 CNEY, WDFD, HNTN X640848 CNEY, WDFD, HNTN (CNEY, HNTN ARE ADJACENT CSS TO WDFD) 34.27% 17-7S-1E 35.35% 20-7S-1E 30.38% 29-7S-1E XTO ENERGY, INC REC 05/17/2019 (NORRIS)
PENDING CD - 201901959	4/29/2019 - GB7 - (I.O.) 17,20, & 29-7S-1E X625917 CNEY, WDFD, HNTN X642155 CNEY, WDFD, HNTN X640848 CNEY, WDFD, HNTN SHL 500' FSL, 2275' FWL OF 8-7S-1E COMPL. INT. (17-7S-1E) NCT 165' FNL, NCT 0' FSL, NCT 2400' FWL COMPL. INT. (20-7S-1E) NCT 0' FNL, NCT 0' FSL, NCT 2400' FWL COMPL. INT. (29-7S-1E) NCT 0' FNL, NCT 165' FSL, NCT 2400' FWL NO OP. NAMED REC 05/17/2019 (NORRIS)
PENDING CD - 201901962	4/29/2019 - GB7 - 17-7S-1E X625917 WDFD 4 WELLS NO OP. NAMED REC 05/17/2019 (NORRIS)
PENDING CD - 201901964	4/29/2019 - GB7 - 20-7S-1E X642155 WDFD 4 WELLS NO OP. NAMED REC 05/17/2019 (NORRIS)
PENDING CD - 201901966	4/29/2019 - GB7 - 29-7S-1E X640848 WDFD 4 WELLS NO OP. NAMED REC 05/17/2019 (NORRIS)
SPACING - 625917	4/29/2019 - GB7 - (640) 17-7S-1E EXT 260251/260983 CNEY, WDFD, HNTN, OTHER
SPACING - 640848	4/29/2019 - GB7 - (640) 17-7S-1E EXT 629534 CNEY, WDFD, HNTN, OTHER
SPACING - 642155	4/29/2019 - GB7 - (640) 20-7S-1E EXT 625917 CNEY, WDFD, HNTN, OTHER

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McCARTY 4-8H17X20X29

SECTION 8
TOWNSHIP 7 SOUTH, RANGE 1 EAST
LOVE COUNTY, OKLAHOMA

085-21306



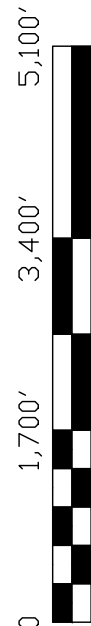
OPERATOR:



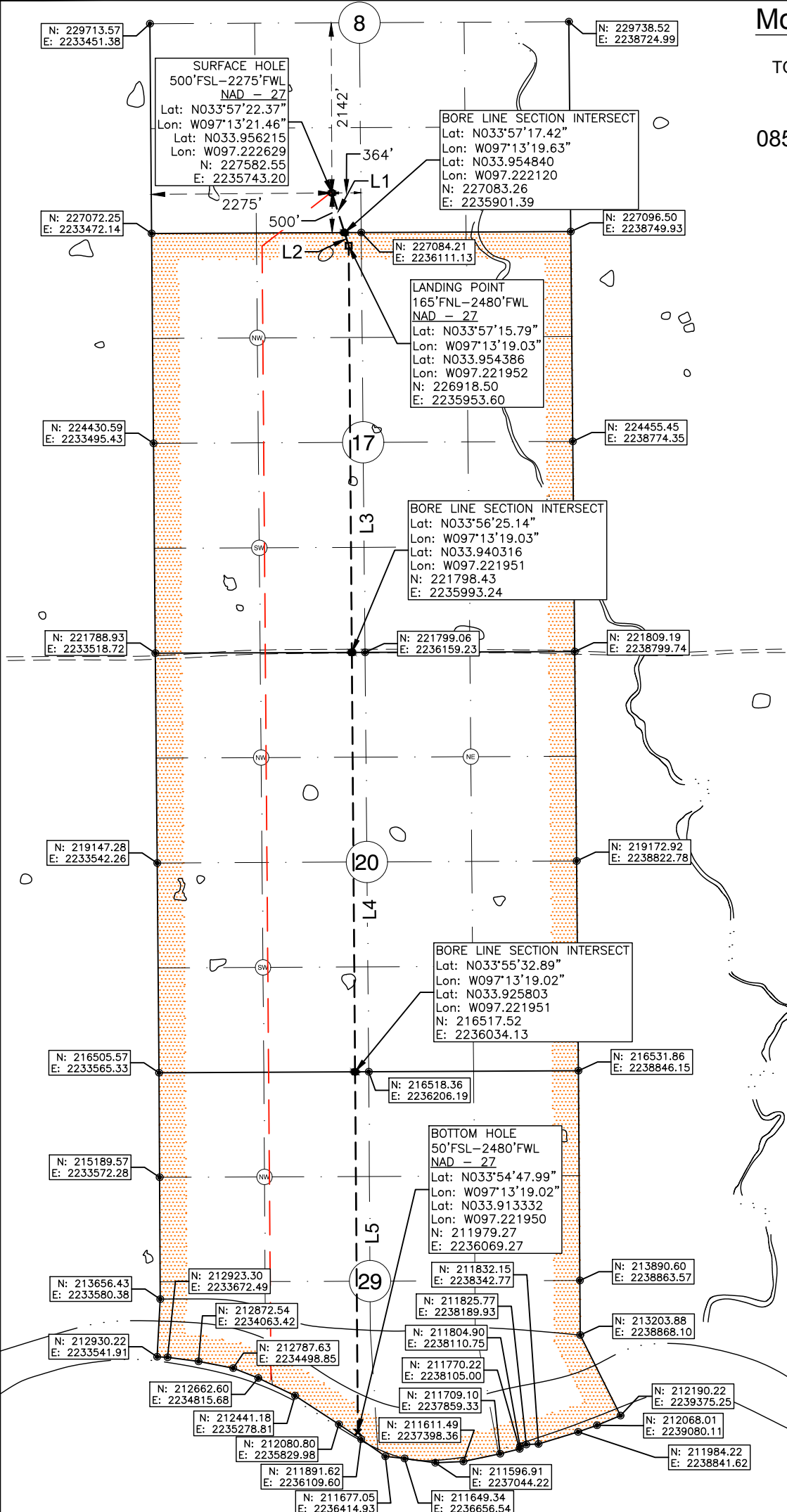
LEGEND:

- 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	162.420218	523.75
L2	162.420218	172.84
L3	179.556358	5120.22
L4	179.556358	5281.06
L5	179.556358	4538.39



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: 500' From South Line Section 8
2275' From West Line Section 8

Latitude: N33.956215° (NAD 27)
Longitude: W97.222629° (NAD 27)
Latitude: N33.956315° (NAD 83)
Longitude: W97.222922° (NAD 83)

Ground Elev: 885.66

Landing Point Location: 165' From North Line of Section 17
2480' From West Line of Section 17

Bottom Hole Location: 50' From South Line Section 29
2480' From West 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

CDF AND ASSOCIATES, LLC.

208 Dewey Ave. Poteau, OK 74953 (918) 649-3303
Certificate of Authorization No. 6186

JOB NO: XTO/WP19/MCCARTY 4-8H17X20X29	DRAWN BY: LD
DATE: 12/MAR/19	REV: A SCALE: 1" = 1,700' Sht 1