

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

API NUMBER: 069 20188

Approval Date: 09/21/2018

Expiration Date: 03/21/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 15 Twp: 4S Rge: 4E

County: JOHNSTON

SPOT LOCATION: ☐ SE ☐ NE ☐ NW ☐ NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 395 1210

Lease Name: ANDERSON

Well No: 1-15H10X3

Well will be 395 feet from nearest unit or lease boundary.

Operator Name: XTO ENERGY INC

Telephone: 4053193208; 8178852

OTC/OCC Number: 21003 0

XTO ENERGY INC
810 HOUSTON ST
FORT WORTH, TX 76102-6203

JOSHUA DAVID ANDERSON
205 S. 22ND AVENUE
MANNSVILLE OK 73447

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

	Name	Depth	Name	Depth
1	SPRINGER	5108	6	
2	CANEY	9121	7	
3	SYCAMORE	9281	8	
4			9	
5			10	

Spacing Orders: 547807
553147

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201806582
201806580

Special Orders:

Total Depth: 20915

Ground Elevation: 735

Surface Casing: 600

Depth to base of Treatable Water-Bearing FM: 350

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: Yes

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: 8000 Average: 5000

G. Haul to recycling/re-use facility: Sec. 2 Twn. 7S Rng. 3E Cnty. 85 Order No: 670340

Is depth to top of ground water greater than 10ft below base of pit? Y

H. SEE MEMO

Within 1 mile of municipal water well? Y

Wellhead Protection Area? Y

Pit is located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

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 located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

HORIZONTAL HOLE 1

Sec 03 Twp 4S Rge 4E County JOHNSTON

Spot Location of End Point: NE NW NW NW

Feet From: NORTH 1/4 Section Line: 1

Feet From: WEST 1/4 Section Line: 630

Depth of Deviation: 8739

Radius of Turn: 1105

Direction: 359

Total Length: 10441

Measured Total Depth: 20915

True Vertical Depth: 9281

End Point Location from Lease,
Unit, or Property Line: 1

Notes:

Category

Description

HYDRAULIC FRACTURING

9/6/2018 - GA3 - 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

9/7/2018 - GA3 - CLOSED SYSTEM=STEEL PITS PER OPERATOR OPTION, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201806580

9/20/2018 - G57 - (I.O.) 3 & 10-4S-4E
EST MULTIUNIT HORIZONTAL WELL
X547807 SPRG, CNEY, SCMR 10-4S-4E
X553147 SPRG, CNEY, SCMR 3-4S-4E
(SPRG, SCMR ARE ADJACENT COMMON SOURCES OF SUPPLY TO THE CNEY)
50% 10-4S-4E
50% 3-4S-4E
XTO ENERGY INC.
REC 9-10-2018 (P. PORTER)

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

069 20188 ANDERSON 1-15H10X3

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 - 201806582	9/20/2018 - G57 - (I.O.) 3 & 10-4S-4E X547807 SPRG, CNEY, SCMR 10-4S-4E X553147 SPRG, CNEY, SCMR 3-4S-4E SHL(15-4S-4E) 395' FNL, 1210' FWL COMPL. INT. (10-4S-4E) NCT 165' FSL, NCT 0' FNL, NCT 330' FWL COMPL. INT. (3-4S-4E) NCT 0' FSL, NCT 165' FNL, NCT 330' FWL NO OP. NAMED REC 9-10-2018 (P. PORTER)
PUBLIC WATER SUPPLY	9/7/2018 - GA3 - MANNSVILLE PUBLIC WORKS AUTHORITY MUNICIPAL SUPPLY WELL G1 LOCATED IN SE/4 OF 16-T4S-R4E
SPACING - 553147	9/20/2018 - G57 - (640) 10-4S-4E VAC 361896 SCMR, WDFD EXT 542820 SPRG, CNEY, SCMR, OTHERS EST OTHER
SPACING - 553147	9/20/2018 - G57 - (640) 3-4S-4E VAC 360311 SCMR, WDFD EXT 547807 SPRG, CNEY, SCMR, OTHERS

ANDERSON 1-15H10X3

SECTION 15
TOWNSHIP 4 SOUTH, RANGE 4 EAST
JOHNSTON COUNTY, OKLAHOMA

API:069 20188



OPERATOR:



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	313.518347	570.15
L2	313.518347	238.17
L3	359.298317	5119.05
L4	359.298317	5322.39



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: 395' From North Line Section 15
1210' From West Line Section 15

Latitude: N34.214932° (NAD 27)
Longitude: W96.876461° (NAD 27)
Latitude: N34.214026° (NAD 83)
Longitude: W96.876747° (NAD 83)

Ground Elev: 734.62

Landing Point Location: 165' From South Line Section 10
630' From West Line Section 10

Bottom Hole Location: 0' From North Line Section 3
630' From West Line Section 3

Drilling Unit: Section 3, & 10 T4S, R4E

Operator: XTO Energy, Inc.

Best Accessibility to Location: From North.

Distance & Direction from Hwy Jct or Town:
From the Intersection of Hwy 177 and Grand Rd. go North on Grand Rd 2.0mi. to Greasy Bend Rd. Then East 0.2mi to Proposed 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/WP18/ANDERSON 1-15H10X3	DRAWN BY:	LD
DATE:	24/JUL/18	REV:	A
SCALE:	1" = 1,500'	SHT NO.	1