

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

API NUMBER: 069 20189

Approval Date: 12/13/2018
Expiration Date: 06/13/2020

Horizontal Hole Oil & Gas
Multi Unit

PERMIT TO DRILL

WELL LOCATION: Sec: 28 Twp: 4S Rge: 5E County: JOHNSTON
SPOT LOCATION: SW SW SE SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 53 1132

Lease Name: KELLY Well No: 2-28H21X Well will be 53 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

ROBERT & HOLLY WINFORD
2630 EAST 67TH STREET
TULSA OK 74136

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

Name	Depth	Name	Depth
1 SYCAMORE	7669	6	
2 WOODFORD	7921	7	
3 HUNTON	8400	8	
4		9	
5		10	

Spacing Orders: 5577092 Location Exception Orders: 684707 Increased Density Orders: 683811
583116 683810
686172

Pending CD Numbers:

Special Orders:

Total Depth: 19400 Ground Elevation: 808 Surface Casing: 1990 Depth to base of Treatable Water-Bearing FM: 320

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: 8000 Average: 5000

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 located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is AP/TE DEPOSIT

Pit Location Formation: TERRACE

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 18-35567

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 located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is AP/TE DEPOSIT

Pit Location Formation: TERRACE

HORIZONTAL HOLE 1

Sec 21 Twp 4S Rge 5E County JOHNSTON

Spot Location of End Point: SW NE NW NE

Feet From: NORTH 1/4 Section Line: 1

Feet From: EAST 1/4 Section Line: 1836

Depth of Deviation: 7421

Radius of Turn: 1000

Direction: 355

Total Length: 10408

Measured Total Depth: 19400

True Vertical Depth: 8400

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

Notes:

Category

Description

DEEP SURFACE CASING

11/19/2018 - 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

11/19/2018 - 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

INCREASED DENSITY - 683810

12/10/2018 - GA8 - 21-4S-5E
X557092 WDFD
3 WELLS
XTO ENERGY INC.
9/26/2018

INCREASED DENSITY - 683811

12/10/2018 - GA8 - 28-4S-5E
X583116 WDFD
3 WELLS
XTO ENERGY INC.
9/26/2018

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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
LOCATION EXCEPTION - 684707	<p>12/10/2018 - GA8 - (I.O.) 28 & 21-4S-5E X583116 SCMR, WDFD, HNTN 28-4S-5E X557092 SCMR, WDFD, HNTN 21-4S-5E SHL (28-4S-5E) 53' FSL, 1123' FEL ** COMPL. INT. (28-4S-5E) NCT 165' FSL, NCT 0' FNL, NCT 1030' FEL COMPL. INT. (21-4S-5E) NCT 0' FSL, NCT 165' FNL, NCT 1030' FEL XTO ENERGY INC. 10-10-2018</p> <p>** ITD HAS SHL AS 53' FSL, 1132' FEL; TO BE CORRECTED AT HEARING FOR FINAL ORDER LOCATION EXCEPTION PER OPERATOR</p>
MEMO	<p>11/19/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT</p>
SPACING - 557092	<p>12/10/2018 - GA8 - (640) 21-4S-5E EXT 552987 SCMR, WDFD, HNTN, OTHERS POE TO BHL NCT 1320' FB</p>
SPACING - 583116	<p>12/10/2018 - GA8 - (640) (HOR) 28-4S-5E EXT 557092 SCMR, WDFD, HNTN, OTHERS POE TO BHL NCT 1320' FB</p>
SPACING - 686172	<p>12/10/2018 - GA8 - (I.O.) 28 & 21-4S-5E EST MULTIUNIT HORIZONTAL WELL X583116 SCMR, WDFD, HNTN 28-4S-5E X557092 SCMR, WDFD, HNTN 21-4S-5E (SCMR, HNTN ADJACENT COMMON SOURCES OF SUPPLY TO WDFD) 49% 28-4S-5E 51% 21-4S-5E XTO ENERGY INC. 11-6-2018</p>

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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.

KELLY 2-28H21X

SECTION 28
TOWNSHIP 4 SOUTH, RANGE 5 EAST
JOHNSTON COUNTY, OKLAHOMA
069-20189



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	278.345980	712.91
L2	359.274588	5114.16
L3	359.274588	5293.98



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.

BOTTOM HOLE
0'FNL-1836'FEL
NAD - 27
Lat: N034°12'05.48"
Lon: W096°46'54.28"
Lat: N034.201523
Lon: W096.781744
N: 318165.83
E: 2368361.89

BORE LINE SECTION INTERSECT
Lat: N034°11'13.11"
Lon: W096°46'54.24"
Lat: N034.186975
Lon: W096.781734
N: 312872.28
E: 2368428.92

SURFACE LOCATION
53'FSL-1132'FEL
NAD - 27
Lat: N034°10'21.41"
Lon: W096°46'45.83"
Lat: N034.172613
Lon: W096.779396
N: 307655.05
E: 2369199.03

LANDING POINT
165'FSL-1836'FEL
NAD - 27
Lat: N034°10'22.52"
Lon: W096°46'54.21"
Lat: N034.172921
Lon: W096.781724
N: 307758.52
E: 2368493.67

Surface Hole Location: 53' From South Line Section 28
1132' From East Line Section 28

Latitude: N34.172613° (NAD 27)
Longitude: W96.779396° (NAD 27)
Latitude: N34.172709° (NAD 83)
Longitude: W96.779678° (NAD 83)

Ground Elev: 807.61

Landing Point Location: 165' From South Line Section 28
1836' From East Line Section 28

Bottom Hole Location: 0' From North Line Section 21
1836' From East Line Section 21

Drilling Unit: Section 28, & 21 T4S, R5E

Operator: XTO Energy, Inc.

Best Accessibility to Location: From East.

Distance & Direction from Hwy Jct or Town:
From the Intersection of Hwy 177 and Pettijohn Springs Rd, go North on Pettijohn Springs Rd 3.3mi. to Winford Rd, Then East 0.2mi to Existing Access Rd, Well Location to the Northwest.

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/WP14/KELLY 2-28H21X	DRAWN BY:	LD
DATE:	14/JUN/18	REV:	A
SCALE:	1" = 1,500'	SHT NO.:	1