

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

API NUMBER: 069 20171

Approval Date: 12/09/2014
Expiration Date: 06/09/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 17 Twp: 4S Rge: 5E County: JOHNSTON
SPOT LOCATION: NE SE SW SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 410 1500

Lease Name: WLC Well No: 2-17H8X Well will be 410 feet from nearest unit or lease boundary.
Operator Name: XTO ENERGY INC Telephone: 8178853255 OTC/OCC Number: 21003 0

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

WASHITA LAND & CATTLE C/O ERIC CHAPMAN
P.O. BOX 1754
ARDMORE OK 73402

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

Name	Depth	Name	Depth
1 SYCAMORE	5716	6	
2 WOODFORD	5926	7	
3 HUNTON	6246	8	
4		9	
5		10	

Spacing Orders: 541923
559656

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201408092
201408100
201408104
201408091

Special Orders:

Total Depth: 15700

Ground Elevation: 663

Surface Casing: 1990

Depth to base of Treatable Water-Bearing FM: 450

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: Yes

Surface Water used to Drill: Yes

PIT 1 INFORMATION

Type of Pit System: ON SITE

Type of Mud System: AIR

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: 4

Liner not required for Category: 4

Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

Mud System Change to Water-Based or Oil-Based Mud Requires an Amended Intent (Form 1000).

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

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

PERMIT NO: 14-28780

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: 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 ALLUVIAL

Pit Location Formation: ALLUVIUM

PIT 3 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 ALLUVIAL

Pit Location Formation: ALLUVIUM

HORIZONTAL HOLE 1

Sec 08 Twp 4S Rge 5E County JOHNSTON

Spot Location of End Point: SW NE SE NE

Feet From: SOUTH 1/4 Section Line: 685

Feet From: EAST 1/4 Section Line: 380

Depth of Deviation: 5397

Radius of Turn: 1000

Direction: 10

Total Length: 8732

Measured Total Depth: 15700

True Vertical Depth: 6246

End Point Location from Lease,
Unit, or Property Line: 380

Notes:

Category

Description

DEEP SURFACE CASING

11/25/2014 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

MEMO

11/25/2014 - G71 - PIT 2 & 3 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 3 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

This permit does not address the right of entry or settlement of surface damages.
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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
PENDING CD - 201408091	12/9/2014 - G75 - (I.O.) 8 & 17-4S-5E EST MULTIUNIT HORIZONTAL WELL X559656 SCMR, WDFD, HNTN 8-4S-5E X541923 SCMR, WDFD, HNTN 17-4S-5E (SCMR, HNTN ASSOCIATED COMMON SOURCES OF SUPPLY TO WDFD) 42% 8-4S-5E 58% 17-4S-5E XTO ENERGY INC. REC 11-24-2014 (P. PORTER)
PENDING CD - 201408092	12/9/2014 - G75 - (I.O.) 17-4S-5E X541923 SCMR, WDFD, HNTN SHL 410 FSL, 1500 FEL COMPL. INT. NCT 165 FSL, NCT 0 FNL, NCT 330 FEL NO OP. NAMED REC 11-24-2014 (P. PORTER)
PENDING CD - 201408100	12/9/2014 - G75 - (I.O.) 8-4S-5E X559656 SCMR, WDFD, HNTN COMPL. INT. NCT 0 FSL, NCT 165 FNL, NCT 330 FEL NO OP. NAMED REC 11-24-2014 (P. PORTER)
PENDING CD - 201408104	12/9/2014 - G75 - 17-4S-5E X541923 WDFD 4 WELLS NO OP. NAMED REC 11-24-2014 (P. PORTER)
SPACING - 541923	12/9/2014 - G75 - (640) 17-4S-5E VAC 242033 SCMR, WDFD, HNTN, OTHERS EST SCMR, WDFD, HNTN, OTHERS
SPACING - 559656	12/9/2014 - G75 - (640) 8-4S-5E VAC 242033 SCMR, WDFD, HNTN, OTHER EXT 556976 SCMR, WDFD, HNTN, OTHERS

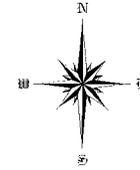
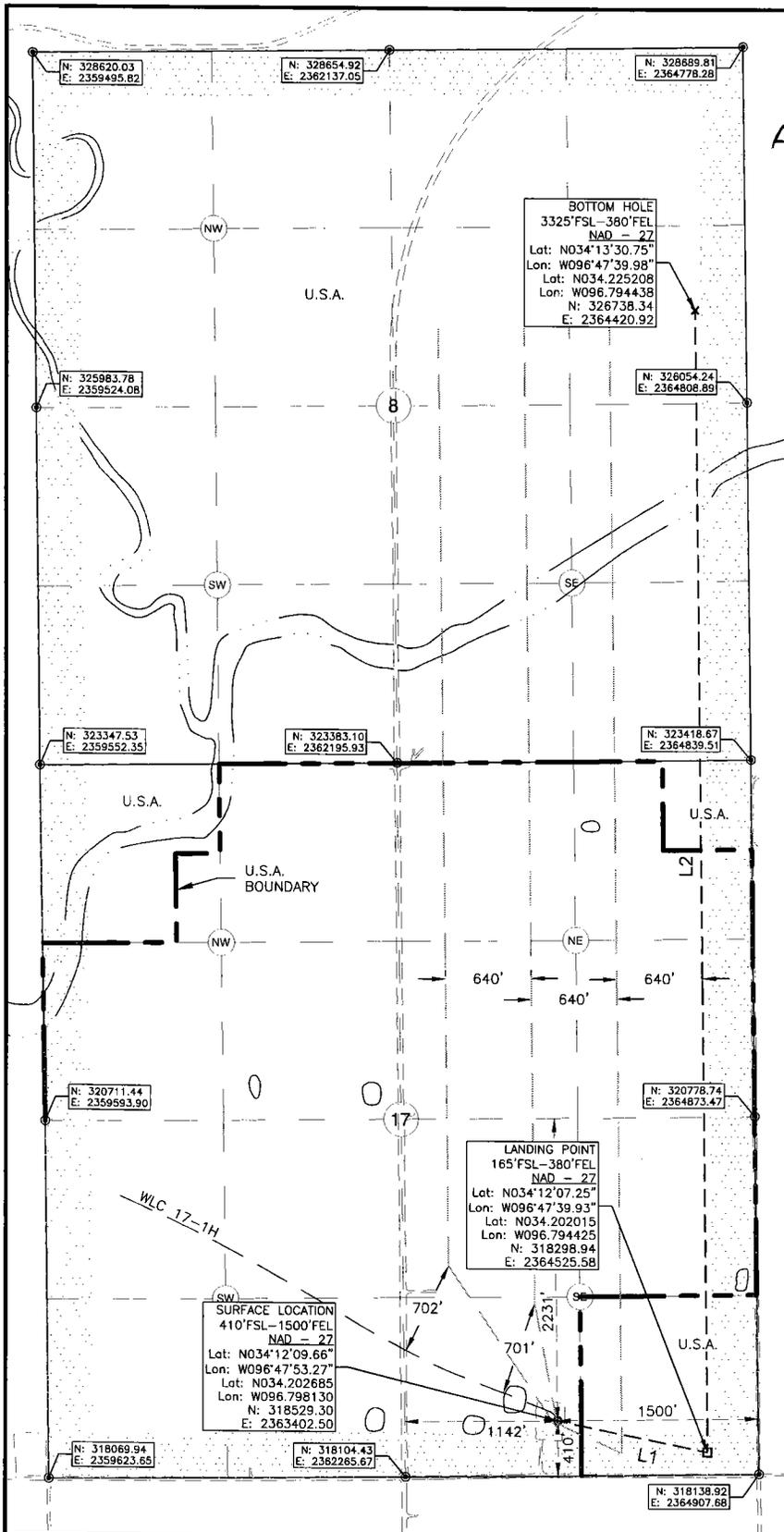
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WLC 2-17H8X

SECTION 17
TOWNSHIP 4 SOUTH, RANGE 5 EAST
JOHNSTON COUNTY, OKLAHOMA

API 069-20171

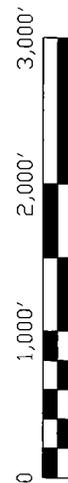
OPERATOR:



LEGEND:

- ☉ EXISTING WELL HEAD/PRODUCTION WELL
- PROPOSED SURFACE HOLE (PSHL)
- ⊙ SECTION CORNER
- PROPOSED LANDING POINT (LP)
- ✕ PROPOSED BOTTOM HOLE (PBHL)
- DRILLING UNIT

Line Table		
Line #	Azimuth	Length
L1	101.591411	1146.46
L2	359.289536	8440.04



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: 410' From South Line Section 17
1500' From East Line Section 17

Latitude: N34.202685° (NAD 27)
Longitude: W96.798130° (NAD 27)
Latitude: N34.202780° (NAD 83)
Longitude: W96.798413° (NAD 83)

Ground Elev: 663.2

Landing Point Location: 165' From South Line of Section 17
380' From East Line of Section 17

Bottom Hole Location: 3325' From South Line Section 8
380' From East Line Section 8

Drilling Unit: Section 8&17, T4S, R5E

Operator: XTO Energy, Inc.

Best Accessibility to Location: From South.

Distance & Direction from Hwy Jct or Town:
From the Intersection of State Hwy 1 and Mockingbird Rd, go East on Mockingbird Rd 0.2mi. 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
C.O.A. NO. 6186 EX. DATE: 31JAN16



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

JOB NO: XTO/WP14/WLC 2-17H8X DRAWN BY: LD

DATE: 13/OCT/14 REV: B SCALE: 1" = 1,000' SHT NO. 1