

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

API NUMBER: 085 21242

Approval Date: 09/29/2014
Expiration Date: 03/29/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 12 Twp: 7S Rge: 1W County: LOVE
SPOT LOCATION: NE NE NW NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 325 1425

Lease Name: ED Well No: 1-12H1 Well will be 325 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

WILMA EASLEY
19112 HWY. 32
MARIETTA OK 73448

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

	Name	Depth	Name	Depth
1	CANEY	13060	6	
2	WOODFORD	13875	7	
3	HUNTON	14050	8	
4			9	
5			10	

Spacing Orders: 629235

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201400620
201406303

Special Orders:

Total Depth: 19600

Ground Elevation: 896

Surface Casing: 1990

Depth to base of Treatable Water-Bearing FM: 620

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 BED AQUIFER

Pit Location Formation: ANTLERS

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)

H. SEE MEMO

PERMIT NO: 14-28086

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: 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 located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: ANTLERS

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 BED AQUIFER

Pit Location Formation: ANTLERS

HORIZONTAL HOLE 1

Sec 01 Twp 7S Rge 1W County LOVE

Spot Location of End Point: NW NE NW NE

Feet From: NORTH 1/4 Section Line: 10

Feet From: EAST 1/4 Section Line: 1680

Depth of Deviation: 12925

Radius of Turn: 1000

Direction: 357

Total Length: 5104

Measured Total Depth: 19600

True Vertical Depth: 14200

End Point Location from Lease,
Unit, or Property Line: 10

Notes:

Category	Description
DEEP SURFACE CASING	8/15/2014 - G76 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING
MEMO	8/15/2014 - G76 - PIT 2 & 3 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 3 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

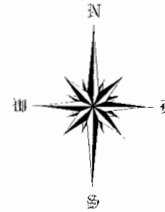
This permit does not address the right of entry or settlement of surface damages.
The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.
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Category	Description
PENDING CD - 201400620	9/25/2014 - G75 - (I.O.) X629235 CNEY, WDFD, HNTN, OTHER SHL 585 FNL, 550 FEL 12-7S-1W ** COMPL. INT. NCT 165 FSL, NCT 165 FNL, NCT 330 FEL 1-7S-1W NO OP. NAMED REC 7-17-2014 (P. PORTER) ** ITD HAS SHL AS 325 FNL, 1425 FEL 12-7S-1W; TO BE CORRECTED AT HEARING FOR FINAL ORDER LOCATION EXCEPTION PER OPERATOR
PENDING CD - 201406303	9/25/2014 - G75 - 1-7S-1W X629235 WDFD 1 WELL NO OP. NAMED HEARING 10-20-2014
SPACING - 629235	9/25/2014 - G75 - (640) 1-7S-1W EXT 617759 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.

ED 1-12H1

SECTION 12
TOWNSHIP 7 SOUTH, RANGE 1 WEST
LOVE COUNTY, OKLAHOMA



OPERATOR:
XTO ENERGY
a subsidiary of Exxon Mobil

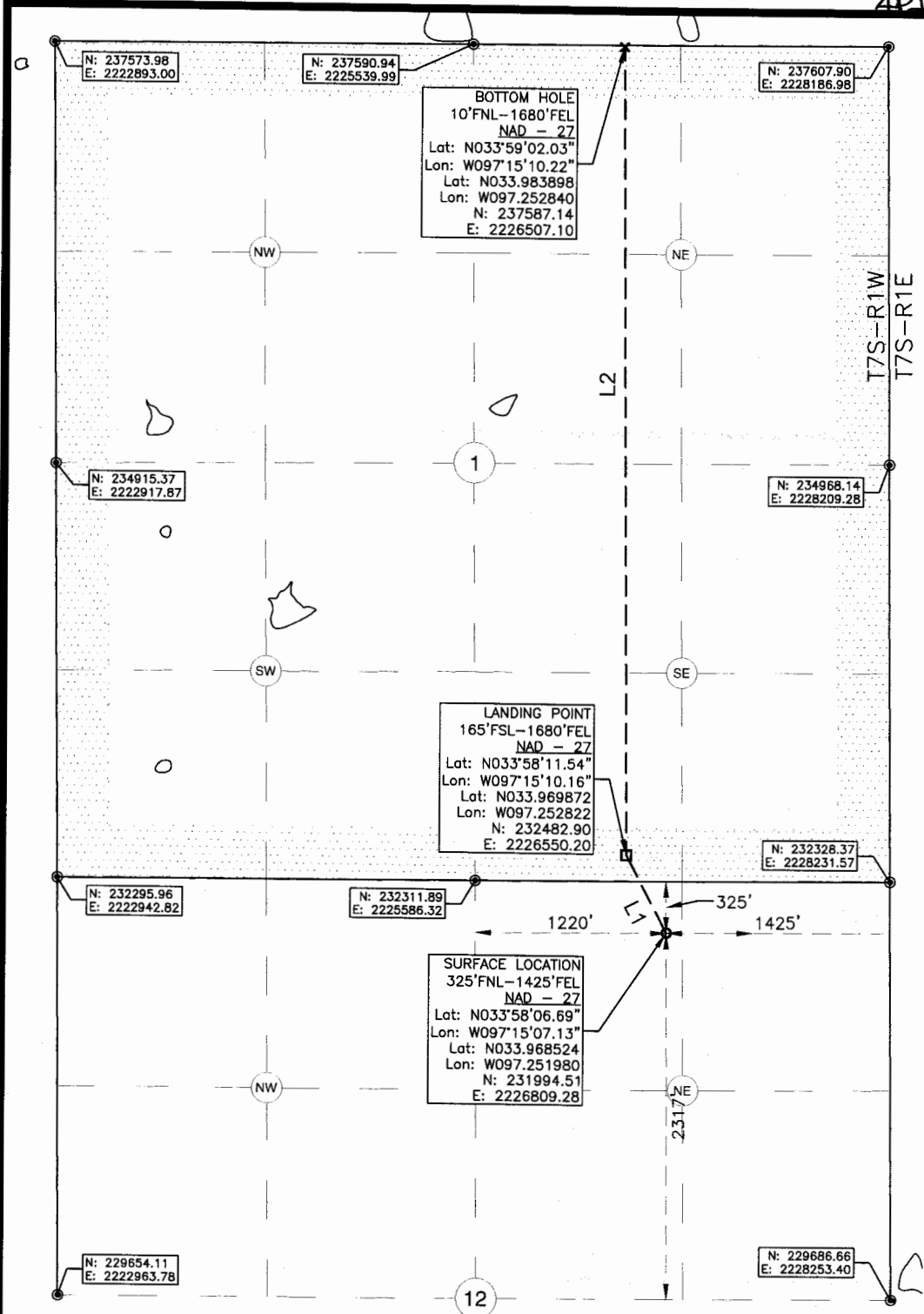
LEGEND:

- 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	332.055774	552.86
L2	359.516156	5104.42



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: 325' From North Line Section 12
1425' From East Line Section 12

Latitude: N33.968524° (NAD 27)
Longitude: W97.251980° (NAD 27)
Latitude: N33.968624° (NAD 83)
Longitude: W97.252273° (NAD 83)

Ground Elev: 896.3

Landing Point Location: 165' From South Line Section 1
1680' From East Line Section 1

Bottom Hole Location: 10' From North Line Section 1
1680' From East Line Section 1

Drilling Unit: Section 1, T7S, R1W

Operator: XTO Energy, Inc.

Best Accessibility to Location: From North

Distance & Direction from Hwy Jct or Town:
From the intersection of Hwy 32 and Eastman Rd. go North 3.0mi on Eastman Rd. then 1.0mi east to Dixon Rd. then 1.1mi East to 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

CHAD FOX P.L.S. NO. 1758
C.O.A. NO. 6186 EX. DATE: 31JAN14



CDF AND ASSOCIATES, LLC.
404 Coggins Ave. Poteau, OK 74953 (918) 721-1262
Certificate of Authorization No. 6186

JOB NO:	XTO/WP13/ED 1-12H1	DRAWN BY:	LD
DATE: 30/JUN/14	REV: C	SCALE: 1" = 1,000'	SHT NO. 1