

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

API NUMBER: 095 20650

Approval Date: 03/26/2015

Expiration Date: 09/26/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 11 Twp: 5S Rge: 6E

County: MARSHALL

SPOT LOCATION: ☐ NW ☐ NW ☐ NE ☐ NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 250 1380

Lease Name: DOROTHY

Well No: 1-11H

Well will be 250 feet from nearest unit or lease boundary.

Operator Name: XTO ENERGY INC

Telephone: 8178853255; 8178852

OTC/OCC Number: 21003 0

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

ESTATE OF DOROTHY & JOSEPH WELDON FLENNIKEN, SR
1743 EAST 59TH PLACE
ATTN: LARRY LEE FLENNIKEN
TULSA OK 74105

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

Name	Depth	Name	Depth
1 WOODFORD	6292	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 562312

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201501150
201501145

Special Orders:

Total Depth: 11900

Ground Elevation: 731

Surface Casing: 1990

Depth to base of Treatable Water-Bearing FM: 550

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 not located in a Hydrologically Sensitive Area.

Category of Pit: 4

Liner not required for Category: 4

Pit Location is NON HSA

Pit Location Formation: CADD0

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: 15-29652

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: 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

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 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 11 Twp 5S Rge 6E County MARSHALL

Spot Location of End Point: SE SW SW SW

Feet From: SOUTH 1/4 Section Line: 1

Feet From: WEST 1/4 Section Line: 400

Depth of Deviation: 5655

Radius of Turn: 637

Direction: 190

Total Length: 5244

Measured Total Depth: 11900

True Vertical Depth: 6400

End Point Location from Lease,

Unit, or Property Line: 1

Notes:

Category

Description

DEEP SURFACE CASING

3/25/2015 - G71 - APPROVED CONTINGENT ON NOTIFYING OCC FIELD STAFF IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING

MEMO

3/25/2015 - G71 - PITS 2 & 3 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 3 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

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

095 20650 DOROTHY 1-11H

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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.

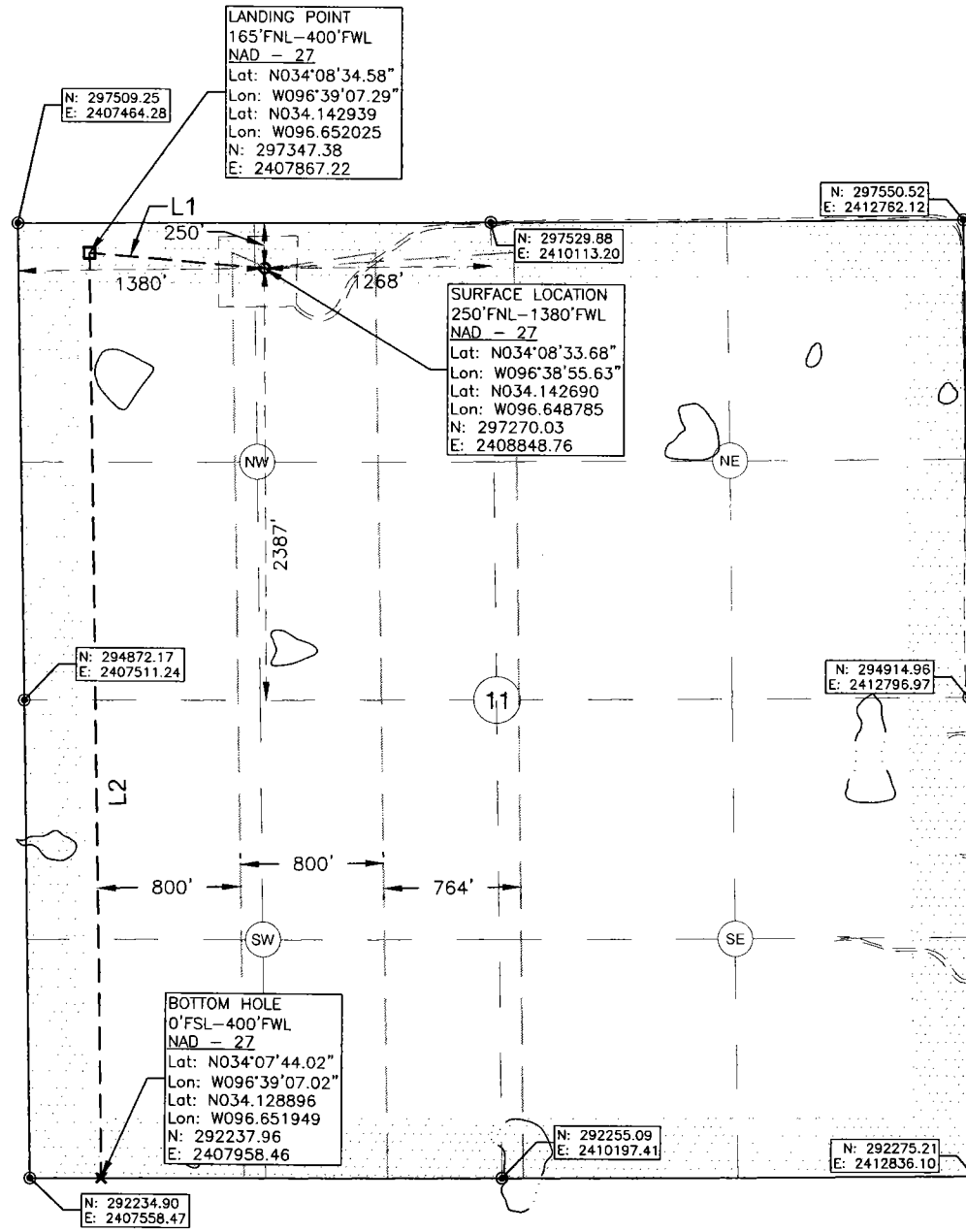
Category	Description
PENDING CD - 201501145	3/25/2015 - G76 - (E.O.) 11-5S-6E X562312 WDFD 4 WELLS XTO ENERGY INC. REC. 3/24/2015 (LEAVITT)
PENDING CD - 201501150	3/25/2015 - G76 - (E.O.) 11-5S-6E X562312 WDFD SHL 250 FNL, 1380 FWL COMPL. INT. NCT 165 FNL, NCT 165 FSL, NCT 330 FWL XTO ENERGY INC. REC. 3/24/2015 (LEAVITT)
SPACING - 562312	3/25/2015 - G76 - (640) 11-5S-6E VAC 167842 WDFD, OTHERS EXT 543130 WDFD, OTHERS EST OTHERS

API 095-20650

DOROTHY 1-11H

SECTION 11

TOWNSHIP 5 SOUTH, RANGE 6 EAST
MARSHALL COUNTY, OKLAHOMA



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	274.506078	984.57
L2	178.977066	5110.24



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 NAD2011 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: 250' From North Line Section 11
1380' From West Line Section 11

Latitude: N34.142690° (NAD 27)
Longitude: W96.648785° (NAD 27)
Latitude: N34.142786° (NAD 83)
Longitude: W96.649063° (NAD 83)

Ground Elev: 731.3

Landing Point Location: 165' From North Line Section 11
400' From West Line Section 11

Bottom Hole Location: 0' From South Line Section 11
400' From West Line Section 11

Drilling Unit: Section 11, T5S, R6E

Operator: XTO Energy, Inc.

Best Accessibility to Location: From East

Distance & Direction from Hwy Jct or Town:
From the intersection of Hwy 99 and Linn Rd. go East 5.8mi on Linn Rd. then 2.0mi North on Moore Rd to Access Rd. Well Location to the West.

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/DOROTHY 1-11H	DRAWN BY:	LD
DATE: 17/MAR/15	REV: C	SCALE: 1" = 1,000'	SHT NO. 1