

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

API NUMBER: 085 21291

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

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 06 Twp: 8S Rge: 2E County: LOVE
SPOT LOCATION: E2 E2 NW NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 660 1605

Lease Name: HARPER Well No: 1-6H31X30 Well will be 660 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

JERRY D & LINDA G HARPER
10119 US HIGHWAY 77
MARIETTA OK 73448

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

	Name	Depth	Name	Depth
1	CANEY	15430	6	
2	WOODFORD	16315	7	
3			8	
4			9	
5			10	

Spacing Orders: 622637
630791

Location Exception Orders:

Increased Density Orders: 678513

Pending CD Numbers: 201802833
201802832

Special Orders:

Total Depth: 27500

Ground Elevation: 794

Surface Casing: 1990

Depth to base of Treatable Water-Bearing FM: 430

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: CADDO

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

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 18-34414

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 30 Twp 7S Rge 2E County LOVE

Spot Location of End Point: NE NE NW NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 1584

Depth of Deviation: 15401

Radius of Turn: 1115

Direction: 359

Total Length: 10348

Measured Total Depth: 27500

True Vertical Depth: 16320

End Point Location from Lease,
Unit, or Property Line: 50

Notes:

Category	Description
DEEP SURFACE CASING	5/15/2018 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

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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
HYDRAULIC FRACTURING	5/15/2018 - 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 - 678513	6/13/2018 - G58 - 31-7S-2E X630791 WDFD 1 WELL XTO ENERGY INC. 5/30/2018
MEMO	5/15/2018 - G71 - PIT 2 & 3 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 3 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT
PENDING CD - 201802832	6/13/2018 - G58 - (I.O.) 30 & 31-7S-2E EST MULTIUNIT HORIZONTAL WELL X622637 CNEY, WDFD, OTHER (30-7S-2E) X630791 CNEY, WDFD, OTHER (31-7S-2E) (CNEY IS ADJACENT COMMON SOURCE OF SUPPLY TO WDFD) 50% 30-7S-2E 50% 31-7S-2E NO OP. NAMED REC 5/7/2018 (FOREMAN)
PENDING CD - 201802833	6/13/2018 - G58 - (I.O.) 30 & 31-7S-2E X622637 CNEY, WDFD, OTHER (30-7S-2E) X630791 CNEY, WDFD, OTHER (31-7S-2E) SHL 660' FNL, 1605' FEL COMPL. INT. (31-7S-2E) NCT 165' FSL, NCT 0' FNL, NCT 1320' FEL COMPL. INT. (30-7S-2E) NCT 0' FSL, NCT 165' FNL, NCT 1320' FEL NO OP. NAMED REC 5/7/2018 (FOREMAN)
SPACING - 622637	6/13/2018 - G58 - (640) 30-7S-2E EST OTHERS EXT 126835 CNEY EXT 615583 WDFD, OTHERS
SPACING - 630791	6/13/2018 - G58 - (640) 31-7S-2E EXT 622637 CNEY, WDFD, OTHERS

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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.

HARPER 1-6H31X30

SECTION 6
TOWNSHIP 8 SOUTH, RANGE 2 EAST
LOVE COUNTY, OKLAHOMA

085-21291



OPERATOR:



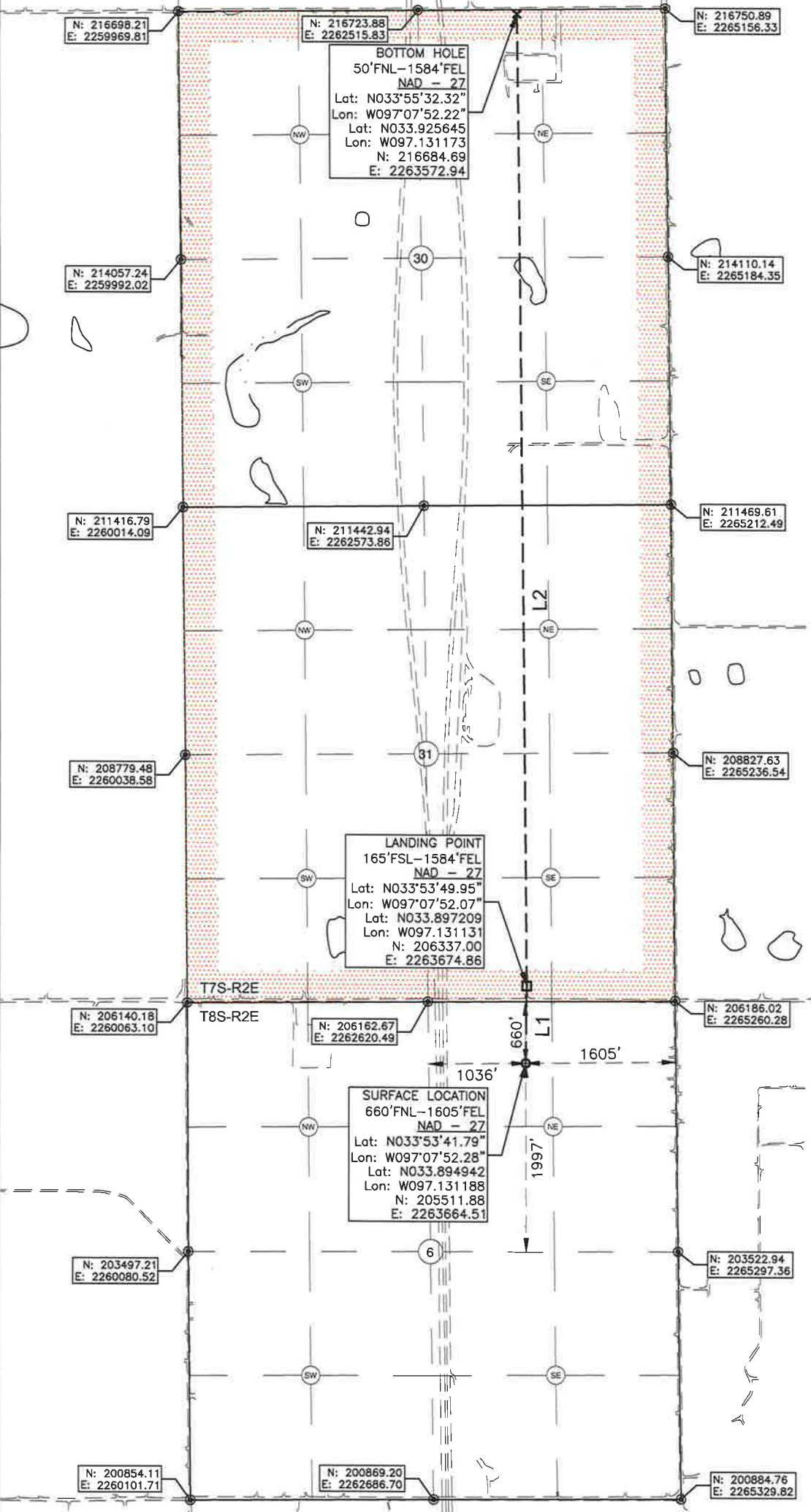
LEGEND:

- EXISTING WELL HEAD/PRODUCTION WELL
- PROPOSED SURFACE HOLE (PSHL)
- SECTION CORNER
- PROPOSED LANDING POINT (LP)
- PROPOSED TARGET 1 (T1)
- PROPOSED BOTTOM HOLE (PBHL)
- EXISTING WELL BORE
- PROPOSED WELL BORE
- SUBJECT WELL BORE
- DRILLING UNIT

Line Table		
Line #	Azimuth	Length
L1	000.718490	825.19
L2	359.435686	10348.19



- NOTES:**
- 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.
 - Bottom hole information provided by operator listed, not surveyed and corner coordinates are taken from points surveyed in field.



Surface Hole Location: 660' From North Line Section 6
1605' From East Line Section 6

Latitude: N33.894942° (NAD 27)
Longitude: W97.131188° (NAD 27)
Latitude: N33.895043° (NAD 83)
Longitude: W97.131478° (NAD 83)

Ground Elev: 794.06

Landing Point Location: 165' From South Line Section 31
1584' From East Line Section 31

Bottom Hole Location: 50' From North Line Section 30
1584' From East Line Section 30

Drilling Unit: Sections 30 & 31, T7S, R2E

Operator: XTO Energy, Inc.

Best Accessibility to Location: From North

Distance & Direction from Hwy Jct or Town:
From the Intersection of Hwy 77 and McGhee Rd, go West 0.25mi on McGhee Rd 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 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/MARTIN 1-7H18X19 DRAWN BY: LD
DATE: 09/MAR/18 REV: B SCALE: 1" = 1,500' SHT NO. 1