

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

API NUMBER: 093 25153

Approval Date: 08/08/2018  
Expiration Date: 02/08/2019

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 31 Twp: 22N Rge: 10W County: MAJOR  
SPOT LOCATION: SW SW SE SE FEET FROM QUARTER: FROM SOUTH FROM EAST  
SECTION LINES: 250 1150

Lease Name: ULA Well No: 1-31H6X7 Well will be 250 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

JACKEY WAYNE & MARIA IRENE ALLEN  
46695 SOUTH COUNTY ROAD 264  
RINGWOOD OK 73768

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN (LESS CHESTER)	6825	6	
2	WOODFORD	7804	7	
3			8	
4			9	
5			10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201803479  
201803482  
201803489  
201803485  
201805933

Special Orders:

Total Depth: 18300 Ground Elevation: 1269 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 290

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 AP/TE DEPOSIT  
Pit Location Formation: TERRACE

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: 18-34438  
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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

HORIZONTAL HOLE 1

Sec 07 Twp 21N Rge 10W County MAJOR

Spot Location of End Point: S2 S2 SE SE

Feet From: SOUTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 660

Depth of Deviation: 6576

Radius of Turn: 1000

Direction: 177

Total Length: 10153

Measured Total Depth: 18300

True Vertical Depth: 7804

End Point Location from Lease,  
Unit, or Property Line: 165

Notes:

Category

Description

DEEP SURFACE CASING

7/18/2018 - 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

Category	Description
HYDRAULIC FRACTURING	7/18/2018 - 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: <a href="http://OCCEWEB.COM/OG/OGFORMS.HTML">OCCEWEB.COM/OG/OGFORMS.HTML</a> ; 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: <a href="http://FRACFOCUS.ORG">FRACFOCUS.ORG</a>
MEMO	7/18/2018 - G71 - PITS 2 & 3 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 3 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 201803479	7/18/2018 - G57 - (640)(HOR) 6-21N-10W EST MSNLC, WDFD POE TO BHL (MSNLC) NLT 660' FB POE TO BHL (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL (COEXIST W/ SP. ORDER 5234/636927 MSSP) REC 6-25-2018 (MINMIER)
PENDING CD - 201803482	7/18/2018 - G57 - (640)(HOR) 7-21N-10W EST MSNLC, WDFD POE TO BHL (MSNLC) NLT 660' FB POE TO BHL (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL (COEXIST W/ SP. 65208/636927 MSSP) REC 6-25-2018 (MINMIER)
PENDING CD - 201803485	7/24/2018 - G57 - (I.O.) 6 & 7-21N-10W EST MULTIUNIT HORIZONTAL WELL X201803479 MSNLC, WDFD 6-21N-10W X201803482 MSNLC, WDFD 7-21N-10W (WDFD IS AN ADJACENT COMMON SOURCE OF SUPPLY TO THE MSNLC) 50% 6-21N-10W 50% 7-21N-10W XTO ENERGY INC. REC 6-25-2018 (MINMIER)
PENDING CD - 201803489	7/24/2018 - G57 - (I.O.) 6 & 7-21N-10W X201803479 MSNLC, WDFD 6-21N-10W X201803482 MSNLC, WDFD 7-21N-10W SHL (31-22N-10W) 250' FSL, 1150' FEL COMPL. INT. (6-21N-10W) NCT 165' FNL, NCT 0' FSL, NCT 660' FEL COMPL. INT. (7-21N-10W) NCT 0' FNL, NCT 165' FSL, NCT 660' FEL NO OP. NAMED REC 6-25-2018 (MINMIER)
PENDING CD - 201805933	8/1/2018 - G57 - (E.O.) 6-21-10W X165:10-3-28(C)(2)(B) MSNLC (ULA 1-31H6X7) MAY BE CLOSER THAN 600' TO THE BERRY ESTATE HAD 2 XTO ENERGY INC. REC 8-7-2018 (JACKSON)
SURFACE CASING	7/18/2018 - G71 - MIN. 400' PER ORDER 28067

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.

# ULA 1-31H6X7

SECTION 31  
TOWNSHIP 22 NORTH, RANGE 10 WEST  
MAJOR COUNTY, OKLAHOMA

API:093 25153



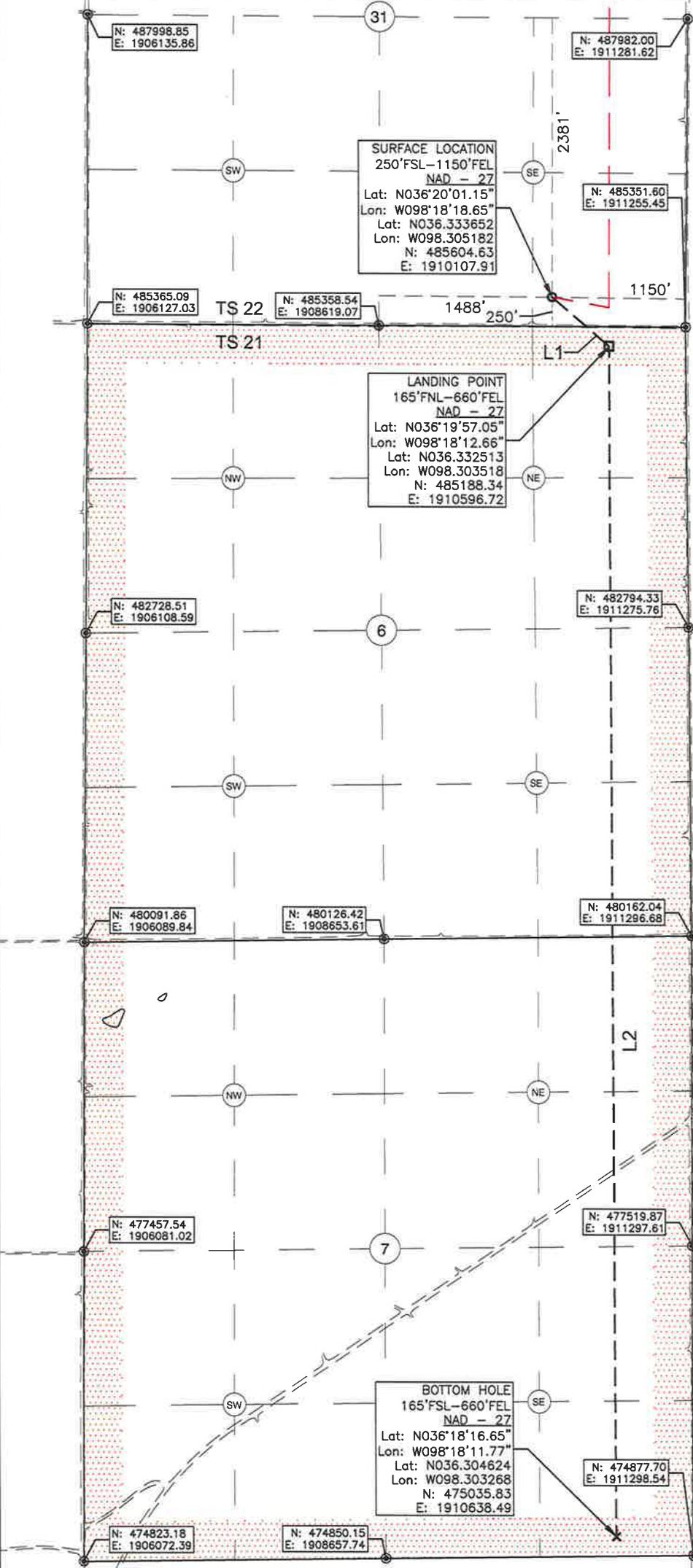
### LEGEND:

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

Line Table		
Line #	Azimuth	Length
L1	130.419177	642.06
L2	179.764307	10152.60



**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 RIK 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 LOCATION**  
250'FSL-1150'FEL  
NAD - 27  
Lat: N036°20'01.15"  
Lon: W098°18'18.65"  
Lat: N036.333652  
Lon: W098.305182  
N: 485604.63  
E: 1910107.91

**LANDING POINT**  
165'FNL-660'FEL  
NAD - 27  
Lat: N036°19'57.05"  
Lon: W098°18'12.66"  
Lat: N036.332513  
Lon: W098.303518  
N: 485188.34  
E: 1910596.72

**BOTTOM HOLE**  
165'FSL-660'FEL  
NAD - 27  
Lat: N036°18'16.65"  
Lon: W098°18'11.77"  
Lat: N036.304624  
Lon: W098.303268  
N: 475035.83  
E: 1910638.49

**Surface Hole Location:** 250' From South Line Section 31  
1150' From East Line Section 31  
  
Latitude: N36.333652° (NAD 27)  
Longitude: W98.305182° (NAD 27)  
Latitude: N36.333401° (NAD 83)  
Longitude: W98.412465° (NAD 83)  
  
Ground Elev: 1268.75

**Landing Point Location:** 165' From North Line Section 6  
660' From East Line Section 6

**Bottom Hole Location:** 165' From South Line Section 7  
660' From East Line Section 7

**Drilling Unit:** Section 6 & 7, T21N, R10W

Operator: XTO Energy, Inc.  
Best Accessibility to Location: From South  
Distance & Direction from Hwy Jct or Town:  
From the intersection of State Highway 58 and County Road E0470, then West 2.1 mi. to 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  
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/ULA 1-31H6X7	DRAWN BY:	LD
DATE:	25/JAN/18	REV:	B SCALE: 1" = 1,200' SHT NO. 1