

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

API NUMBER: 095 20668

Approval Date: 01/16/2019

Expiration Date: 07/16/2020

Horizontal Hole
Oil & Gas
Multi Unit

PERMIT TO DRILL

WELL LOCATION: Sec: 34 Twp: 4S Rge: 5E County: MARSHALL
SPOT LOCATION: ☐ NW ☐ NW ☐ NE ☐ NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 230 1118

Lease Name: HOLLY Well No: 2-34H27X22 Well will be 230 feet from nearest unit or lease boundary.
Operator Name: XTO ENERGY INC Telephone: 4053193208; 8178852 OTC/OCC Number: 21003 0

XTO ENERGY INC
22777 SPRINGWOODS VILLAGE PKWY
SPRING, TX 77389-1425

ROBERT & HOLLY WINFORD
2630 EAST 67TH STREET
TULSA OK 74136

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

	Name	Depth	Name	Depth
1	SYCAMORE	7125	6	
2	WOODFORD	7373	7	
3	HUNTON	7692	8	
4			9	
5			10	

Spacing Orders: 689125
558774
583819

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201808724
201808723
201808728
201808729
201900307

Special Orders:

Total Depth: 18700 Ground Elevation: 796

Surface Casing: 1990

Depth to base of Treatable Water-Bearing FM: 430

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

Approved Method for disposal of Drilling Fluids:

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

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

PERMIT NO: 19-36112

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: 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 22 Twp 4S Rge 5E County JOHNSTON

Spot Location of End Point: NE NE NW NE

Feet From: NORTH 1/4 Section Line: 1

Feet From: EAST 1/4 Section Line: 1570

Depth of Deviation: 6726

Radius of Turn: 1000

Direction: 355

Total Length: 10403

Measured Total Depth: 18700

True Vertical Depth: 7692

End Point Location from Lease,

Unit, or Property Line: 1

Notes:

Category

Description

DEEP SURFACE CASING

1/10/2019 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

1/10/2019 - 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

MEMO

1/10/2019 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

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

095 20668 HOLLY 2-34H27X22

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
PENDING CD - 201808723	<p>1/15/2019 - G75 - (I.O.) 27 & 22-4S-5E EST MULTIUNIT HORIZONTAL WELL X583819 SCMR, WDFD, HNTN 27-4S-5E ** X689125 SCMR, HNTN 22-4S-5E ++ X558774 WDFD 22-4S-5E (SCMR, HNTN ADJACENT COMMON SOURCES OF SUPPLY TO WDFD) 49.2% 27-4S-5E 50.8% 22-4S-5E NO OP NAMED REC 12-3-2018 (JOHNSON)</p> <p>** S/B X583819 AS CLARIFIED BY 201900307 SCMR, WDFD, HNTN 27-4S-5E; TO BE CORRECTED AT HEARING FOR FINAL ORDER PER ATTORNEY FOR OPERATOR</p> <p>++ S/B X689125 AS CLARIFIED BY 201900307 SCMR, HNTN 22-4S-5E; TO BE CORRECTED AT HEARING FOR FINAL ORDER PER ATTORNEY FOR OPERATOR</p>
PENDING CD - 201808724	<p>1/15/2019 - G75 - (I.O.) 27 & 22-4S-5E X583819 SCMR, WDFD, HNTN 27-4S-5E ** X689125 SCMR, HNTN 22-4S-5E ++ X558774 WDFD 22-4S-5E COMPL. INT. (27-4S-5E) NCT 165' FSL, NCT 0' FNL, NCT 1380' FEL COMPL. INT. (22-4S-5E) NCT 0' FSL, NCT 165' FNL, NCT 1380' FEL NO OP NAMED REC 12-3-2018 (JOHNSON)</p> <p>** S/B X583819 AS CLARIFIED BY 201900307 SCMR, WDFD, HNTN 27-4S-5E; TO BE CORRECTED AT HEARING FOR FINAL ORDER PER ATTORNEY FOR OPERATOR</p> <p>++ S/B X689125 AS CLARIFIED BY 201900307 SCMR, HNTN 22-4S-5E; TO BE CORRECTED AT HEARING FOR FINAL ORDER PER ATTORNEY FOR OPERATOR</p>
PENDING CD - 201808728	<p>1/15/2019 - G75 - 22-4S-5E X558774 WDFD 3 WELLS NO OP NAMED REC 12-3-2018 (JOHNSON)</p>
PENDING CD - 201808729	<p>1/15/2019 - G75 - 27-4S-5E X583819 WDFD ** 3 WELLS NO OP NAMED REC 12-3-2018 (JOHNSON)</p> <p>** S/B X583819 AS CLARIFIED BY 201900307 WDFD; TO BE CORRECTED IN ORDER SUBMITTED TO OCC FOR REVIEW PER ATTORNEY FOR OPERATOR</p>
PENDING CD - 201900307	<p>1/15/2019 - G75 - (640) 22 & 27-4S-5E CLARIFY 408107 TO VAC 242033 SCMR, WDFD, HNTN, OTHER CLARIFY 408107 TO EST SCMR, WDFD, HNTN, OTHERS CONFIRM 689125 TO VAC 408107 SCMR, HNTN 22-4S-5E CONFIRM 583819 TO VAC 408107 SCMR, WDFD, HNTN, OTHER 27-4S-5E HEARING 2-4-2019 (OK'D PER MCCOY)</p>
SPACING - 558774	<p>1/15/2019 - G75 - (640)(HOR) 22-4S-5E EST WDFD POE TO BHL NLT 660' FB</p>
SPACING - 583819	<p>1/15/2019 - G75 - (640) 27-4S-5E VAC OTHER VAC 242033/408107 SCMR, WDFD, HNTN, OTHER ** EXT 557092 SCMR, WDFD, HNTN, OTHERS</p> <p>** CLARIFIED/CONFIRMED BY 201900307 TO VAC 408107 SCMR, WDFD, HNTN, OTHER</p>
SPACING - 689125	<p>1/15/2019 - G75 - (640) 22-4S-5E VAC 242033/408107 SCMR, HNTN ** EXT 583819 SCMR, HNTN</p> <p>** CLARIFIED/CONFIRMED BY 201900307 TO VAC 408107 SCMR, HNTN</p>

HOLLY 2-34H27X22

SECTION 34
TOWNSHIP 4 SOUTH, RANGE 5 EAST
MARSHALL COUNTY, OKLAHOMA

API 095-20668



LEGEND:

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

Line Table		
Line #	Azimuth	Length
L1	310.475781	349.49
L2	310.475781	250.72
L3	359.303753	5117.42
L4	359.303753	5285.65



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.



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/WP14/HOLLY 2-34H27X22 DRAWN BY: LD
DATE: 19/JUN/18 REV: A SCALE: 1" = 1,200' SHT NO. 1

Surface Hole Location: 230' From North Line Section 34
1118' From East Line Section 34

Latitude: N34.171832° (NAD 27)
Longitude: W96.761885° (NAD 27)
Latitude: N34.171928° (NAD 83)
Longitude: W96.762166° (NAD 83)

Ground Elev: 795.68

Landing Point Location: 165' From South Line Section 27
1570' From East Line Section 27

Bottom Hole Location: 0' From North Line Section 22
1570' From East Line Section 22

Drilling Unit: Section 22, & 27 T4S, R5E

Operator: XTO Energy, Inc.
Best Accessibility to Location: From West.

Distance & Direction from Hwy Jct or Town:
From the Intersection of Hwy 177 and Pettijohn Springs Rd, go North on Pettijohn Springs Rd 3.3mi. to Winford Rd. Then East 0.2mi to Existing Access Rd. Well Location to the Northeast.

