

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

API NUMBER: 095 20682

Approval Date: 06/05/2019

Expiration Date: 12/05/2020

Horizontal Hole
Oil & Gas
Multi Unit

PERMIT TO DRILL

WELL LOCATION: Sec: 31 Twp: 4S Rge: 6E

County: MARSHALL

SPOT LOCATION: ☐ NE ☐ SW ☐ NE ☐ NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 953 762

Lease Name: GILMORE

Well No: 3-31H32X33X34

Well will be 762 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

DAVID RAINBOLT
P.O. BOX 26788
OKLAHOMA CITY, OK OK 73126

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

	Name	Depth	Name	Depth
1	SYCAMORE	6801	6	
2	WOODFORD	6832	7	
3	HUNTON	7016	8	
4			9	
5			10	

Spacing Orders: 602199
600952
612098

Location Exception Orders:

Increased Density Orders: 695224
695226
695228

Pending CD Numbers: 201901499
201901494

Special Orders:

Total Depth: 20643 Ground Elevation: 763

Surface Casing: 1990

Depth to base of Treatable Water-Bearing FM: 560

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: 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: GOODLAND LS & WALNUT

D. One time land application -- (REQUIRES PERMIT)
H. SEE MEMO

PERMIT NO: 19-36371

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 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: GOODLAND LS & WALNUT

HORIZONTAL HOLE 1

Sec 34 Twp 4S Rge 6E County MARSHALL

Spot Location of End Point: NE NE NE SW

Feet From: SOUTH 1/4 Section Line: 2540

Feet From: WEST 1/4 Section Line: 2500

Depth of Deviation: 6330

Radius of Turn: 900

Direction: 100

Total Length: 12899

Measured Total Depth: 20643

True Vertical Depth: 7016

End Point Location from Lease,
Unit, or Property Line: 2500

Notes:

Category

Description

DEEP SURFACE CASING

5/9/2019 - 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

HYDRAULIC FRACTURING

5/9/2019 - 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

INCREASED DENSITY - 695224

6/5/2019 - G56 - 32-4S-6E
X602199 WDFD
4 WELLS
XTO ENERGY INC.
4/25/2019

INCREASED DENSITY - 695226

6/5/2019 - G56 - 33-4S-6E
X600952 WDFD
4 WELLS
XTO ENERGY INC.
4/25/2019

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.

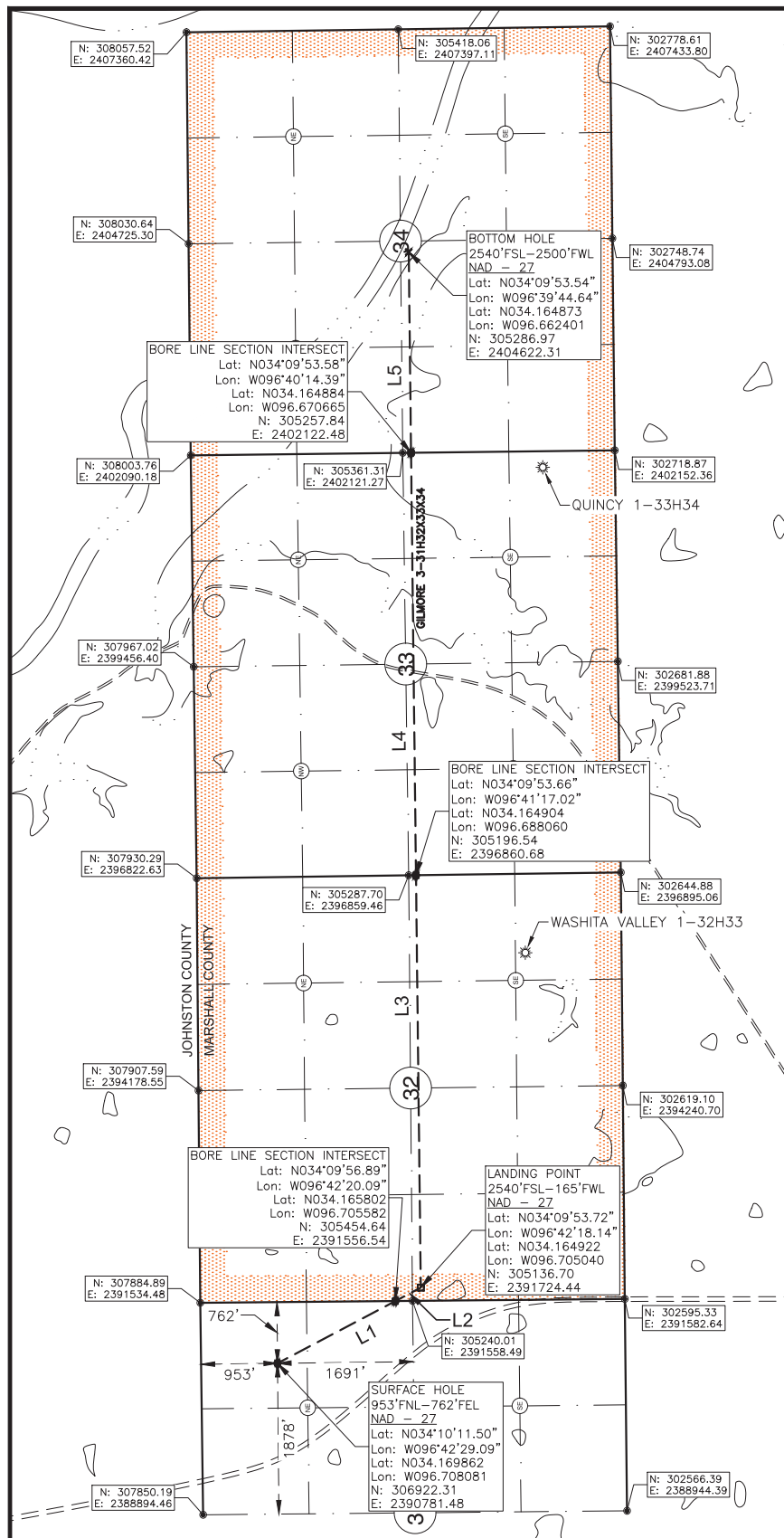
Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

095 20682 GILMORE 3-31H32X33X34

Category	Description
INCREASED DENSITY - 695228	6/5/2019 - G56 - 34-4S-6E X612098 WDFD 2 WELLS XTO ENERGY INC. 4/25/2019
MEMO	5/9/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 201901494	6/5/2019 - G56 - (I.O.) 32, 33, 34-4S-6E ESTABLISH MULTIUNIT HORIZONTAL WELL X602199 SCMR, WDFD, HNTN 32-4S-6E X600952 SCMR, WDFD, HNTN 33-4S-6E X612098 SCMR, WDFD, HNTN 34-4S-6E (SCMR, HNTN ARE ADJACENT COMMON SOURCES OF SUPPLY TO WDFD) 39.8% 32-4S-6E 40.8% 33-4S-6E 19.4% 34-4S-6E XTO ENERGY INC. REC 4/1/2019 (M. PORTER)
PENDING CD - 201901499	6/5/2019 - G56 - (I.O.) 32, 33, 34-4S-6E X602199 SCMR, WDFD, HNTN 32-4S-6E X600952 SCMR, WDFD, HNTN 33-4S-6E X612098 SCMR, WDFD, HNTN 34-4S-6E COMPL INT (32-4S-6E) NCT 2400' FSL, NCT 165' FWL, NCT 0' FEL COMPL INT (33-4S-6E) NCT 2400' FSL, NCT 0' FWL, NCT 0' FEL COMPL INT (34-4S-6E) NCT 2400' FSL, NCT 0' FWL, NCT 165' FEL NO OP NAMED REC 4/1/2019 (M. PORTER)
SPACING - 600952	6/4/2019 - G56 - (640) 33-4S-6E EST OTHERS EXT 592373 SCMR, WDFD, HNTN
SPACING - 602199	6/4/2019 - G56 - (640) 32-4S-6E EXT OTHER EXT 600952 SCMR, WDFD, HNTN
SPACING - 612098	6/4/2019 - G56 - (640) 34-4S-6E EXT 592373 SCMR, WDFD, HNTN

Gilmore 3-31H32X33X34

SECTION 31

TOWNSHIP 4 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 DIVERSION POINT
- 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	152.162235	1659.75
L2	152.162235	359.55
L3	089.332482	5136.59
L4	089.332482	5262.16
L5	089.332482	2500.00



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: 953' From North Line Section 31
762' From East Line Section 31

Latitude: N34.169862° (NAD 27)
Longitude: W96.708081° (NAD 27)
Latitude: N34.169957° (NAD 83)
Longitude: W96.708362° (NAD 83)

Ground Elev: 763.63

Landing Point Location: 2540' From South Line of Section 32
165' From West Line of Section 32

Bottom Hole Location: 2540' From South Line Section 34
2500' From West Line Section 34

Drilling Unit: Sec. 32, 33, 34, T4S, R6E

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.

Operator: XTO Energy, Inc.

Best Accessibility to Location: From West

Distance & Direction from Hwy Jct or Town:
From the intersection of HWY 70 and HWY 99 in Madill, OK., then Northeast on HWY 99 7.1mi to Access Rd. Well Location to the East.

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/WP19/GILMORE 3-31H32X33X34 DRAWN BY: LD
DATE: 04/JUN/19 REV: E SCALE: 1" = 1,700' Sht 1