

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

API NUMBER: 095 20681

Approval Date: 05/14/2019

Expiration Date: 11/14/2020

Horizontal Hole
Multi Unit
Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 01 Twp: 5S Rge: 5E County: MARSHALL

SPOT LOCATION: FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 260 250

Lease Name: SHANNON Well No: 1-1H36X 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
22777 SPRINGWOODS VILLAGE PKWY
SPRING, TX 77389-1425

GARY & SHANNON BARKER
P.O. BOX 573
MADILL OK 73446

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

	Name	Depth	Name	Depth
1	SYCAMORE	8396	6	
2	WOODFORD	8648	7	
3	HUNTON	8665	8	
4			9	
5			10	

Spacing Orders: 550737
560208
533420

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201902290
201902291
201902289
201902292
201902294
201902364

Special Orders:

Total Depth: 21000

Ground Elevation: 830

Surface Casing: 1990

Depth to base of Treatable Water-Bearing FM: 870

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 19-36370

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 1 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 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 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: CADDO

HORIZONTAL HOLE 1

Sec 36 Twp 4S Rge 5E County MARSHALL

Spot Location of End Point: NW NE NE NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 440

Depth of Deviation: 9083

Radius of Turn: 1000

Direction: 359

Total Length: 10346

Measured Total Depth: 21000

True Vertical Depth: 8665

End Point Location from Lease,

Unit, or Property Line: 50

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

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095 20681 SHANNON 1-1H36X

Category	Description
HYDRAULIC FRACTURING	<p>5/9/2019 - G71 - OCC 165:10-3-10 REQUIRES:</p> <p>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;</p> <p>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,</p> <p>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</p>
MEMO	<p>5/9/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT</p>
PENDING CD - 201902289	<p>5/9/2019 - GB1 - (I.O.) 1-5S-5E & 36-4S-5E EST MULTIUNIT HORIZONTAL WELL X550737 SCMR, WDFD, HNTN 1-5S-5E X560208 WDFD 1-5S-5E *** X533420 SCMR, WDFD, HNTN 36-4S-5E (SCMR, HNTN ADJACENT COMMON SOURCES OF SUPPLY TO WDFD) 49.4% 1-5S-5E 50.6% 36-4S-5E XTO ENERGY INC REC. 5/13/2019 (DENTON)</p> <p>***CLARIFYING ORDER #201902364 WILL BE ADDED AT HEARING PER ATTORNEY FOR OPERATOR; SHL WILL BE CORRECTED TO 260' FSL, 250' FEL</p>
PENDING CD - 201902290	<p>5/9/2019 - GB1 - (I.O.) 1-5S-5E & 36-4S-5E X550737 SCMR, WDFD, HNTN 1-5S-5E X560208 WDFD 1-5S-5E *** X533420 SCMR, WDFD, HNTN 36-4S-5E SHL 460' FNL, 310' FEL 12-5S-5E ++ COMPL. INT. (1-5S-5E) NCT 165' FSL, NCT 0' FNL, NCT 330' FEL COMPL. INT. (36-4S-5E) NCT 0' FSL, NCT 165' FNL, NCT 330' FEL XTO ENERGY INC REC. 5/13/2019 (DENTON)</p> <p>*** CLARIFYING ORDER #201902364 WILL BE ADDED AT HEARING PER ATTORNEY FOR OPERATOR ++SHL WILL BE CORRECTED TO 260' FSL, 250' FEL</p>
PENDING CD - 201902291	<p>5/9/2019 - GB1 - (I.O.) 1-5S-5E & 36-4S-5E X165:10-3-28(C)(2)(B) WDFD (SHANNON 1-12H1X36)*** MAY BE CLOSER THAN 600' TO LOGAN BEARD 3-36, BARKER 2-12H XTO ENERGY INC REC. 5/13/2019 (DENTON)</p> <p>***WELL NAME WILL BE CHANGED TO SHANNON 1-1H36X PER OPERATOR AT HEARING</p>
PENDING CD - 201902292	<p>5/9/2019 - GB1 - 1-5S-5E X550737 WDFD X560208 WDFD*** 1 WELL NO OP. NAMED REC. 5/13/2019 (DENTON)</p> <p>***CLARIFYING ORDER #201902364 WILL BE ADDED AT HEARING PER ATTORNEY FOR OPERATOR</p>
PENDING CD - 201902294	<p>5/9/2019 - GB1 - 36-4S-5E X533420 WDFD 1 WELL NO OP. NAMED REC. 5/13/2019 (DENTON)</p>
PENDING CD - 201902364	<p>5/9/2019 - GB1 - (640)(HOR) 1-5S-5E CLARIFY 560208 WDFD TO COEXIST WITH SP #550737; REMOVE 90 DAY EXPIRATION PROVISION REC. 5/13/2019 (DENTON)</p>

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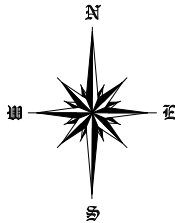
Category	Description
SPACING - 533420	5/9/2019 - GB1 - (640) 36-4S-5E VAC 242033 SCMR, WDFD, HNTN, OTHERS EXT OTHERS EXT 434368 SCMR, WDFD, HNTN, OTHERS
SPACING - 550737	5/9/2019 - GB1 - (640) 1-5S-5E EXT 545050 SCMR, WDFD, HNTN, OTHER
SPACING - 560208	5/9/2019 - GB1 - (640)(HOR) 1-5S-5E EST WDFD POE TO BHL NCT 660' FB

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SHANNON 1-1H36X

SECTION 1
TOWNSHIP 5 SOUTH, RANGE 5 EAST
MARSHALL COUNTY, OKLAHOMA

API 095-20681



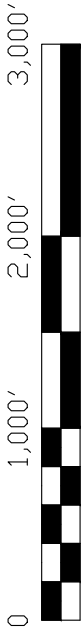
OPERATOR:



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	242.689749	212.54
L2	359.318270	5116.45
L3	359.318270	5229.61



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.

Surface Hole Location: 260' From South Line Section 1
250' From East Line Section 1

Latitude: N34.144171° (NAD 27)
Longitude: W96.724082° (NAD 27)
Latitude: N34.144267° (NAD 83)
Longitude: W96.724362° (NAD 83)

Ground Elev: 830.11

Landing Point Location: 165' From South Line of Section 1
440' From East Line of Section 1

Bottom Hole Location: 50' From North Line Section 36
440' From East Line Section 36

Drilling Unit: Sec. 1,T5S,R5E & Sec 36,T4S, R5E

Operator: XTO Energy, Inc.

Best Accessibility to Location: From East

Distance & Direction from Hwy Jct or Town:
From the intersection of HWY 377 and Buckholt Rd, then North on Buckholt Rd 1.2mi 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
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/Shannon 1-1H36X DRAWN BY: LD
DATE: 01/MAY/19 REV: D SCALE: 1" = 1,200' Sht 1

