

API NUMBER: 085 21316

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

Approval Date: 02/25/2020

Expiration Date: 08/25/2021

Multi Unit

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 22 Township: 7S Range: 2E County: LOVE

SPOT LOCATION: SW SW SE SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 255 1465

Lease Name: BROOKS Well No: 1-22H15X Well will be 255 feet from nearest unit or lease boundary.

Operator Name: XTO ENERGY INC Telephone: 4053193200; 8178852283 OTC/OCC Number: 21003 0

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

BRUCE E. & KATHRYN J. BROOKS
P.O. BOX 349
MARIETTA OK 73448

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

	Name	Code	Depth
1	MISSISSIPPIAN	359MSSP	14500
2	WOODFORD	319WDFD	17463
3	SYLVAN	203SLVN	17668

Spacing Orders: No Spacing

Location Exception Orders: No Exceptions

Increased Density Orders: No Density Orders

Pending CD Numbers: 201905452
201905453
201905454
201905455

Special Orders: No Special Orders

Total Depth: 28400

Ground Elevation: 854

Surface Casing: 1990

Depth to base of Treatable Water-Bearing FM: 550

Deep surface casing has been approved

Under Federal Jurisdiction: No
Fresh Water Supply Well Drilled: No
Surface Water used to Drill: No

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 20-37276

H. SEE MEMO

PIT 1 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: BOKCHITO

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: BOKCHITO

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

The duration of this permit is 18 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.

MULTI UNIT HOLE 1

Section: 15	Township: 7S	Range: 2E	Total Length: 10355
County: LOVE			Measured Total Depth: 28400
Spot Location of End Point: NE	NW	NW	True Vertical Depth: 17668
Feet From: NORTH	1/4 Section Line: 50		End Point Location from
Feet From: WEST	1/4 Section Line: 528		Lease, Unit, or Property Line: 50

NOTES:

Category	Description
DEEP SURFACE CASING	2/19/2020 - 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	2/19/2020 - 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: OCCWEB.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	2/19/2020 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 201905452	2/24/2020 - GB1 - (I.O.)(640)(HOR) 15-7S-2E EST MSSP, WDFD, SLVN COMPL INT (MSSP, SLVN) NLT 660' FB COMPL INT (WDFD) NLT 165' FNL/FSL, NLT 330' FEL/FWL REC 2/25/2020 (P. PORTER)
PENDING CD - 201905453	2/24/2020 - GB1 - (I.O.)(640)(HOR) 22-7S-2E EST MSSP, WDFD, SLVN COMPL INT (MSSP, SLVN) NLT 660' FB COMPL INT (WDFD) NLT 165' FNL/FSL, NLT 330' FEL/FWL REC 2/25/2020 (P. PORTER)
PENDING CD - 201905454	2/24/2020 - GB1 - (I.O.)15 & 22-7S-2E EST MULTIUNIT HORIZONTAL WELL X201905452 MSSP, WDFD, SLVN 15-7S-2E X201905453 MSSP, WDFD, SLVN 22-7S-2E (MSSP, SLVN ADJACENT COMMON SOURCES OF SUPPLY TO WDFD) 50% 15-7S-2E 50% 22-7S-2E NO OP NAMED REC 2/25/2020 (P. PORTER)
PENDING CD - 201905455	2/24/2020 - GB1 - (I.O.) 15 & 22-7S-2E X201905452 MSSP, WDFD, SLVN 15-7S-2E X201905453 MSSP, WDFD, SLVN 22-7S-2E COMPL INT (22-7S-2E) NCT 165' FSL, NCT 0' FNL, NCT 330' FWL COMPL INT (15-7S-2E) NCT 0' FSL, NCT 165' FNL, NCT 330' FWL NO OP NAMED REC 2/25/2020 (P. PORTER)

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

The duration of this permit is 18 MONTHS, except as otherwise provided by Rule 165: 10-3-1.

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Office of the Conservation Division as to when Surface Casing will be run.

085 21316 BROOKS 1-22H15X

API 085-21316

BROOKS 1-22H15X

SECTION 22
TOWNSHIP 7 SOUTH, RANGE 2 EAST
LOVE COUNTY, OKLAHOMA

OPERATOR:

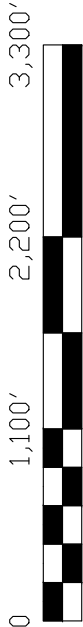


LEGEND:

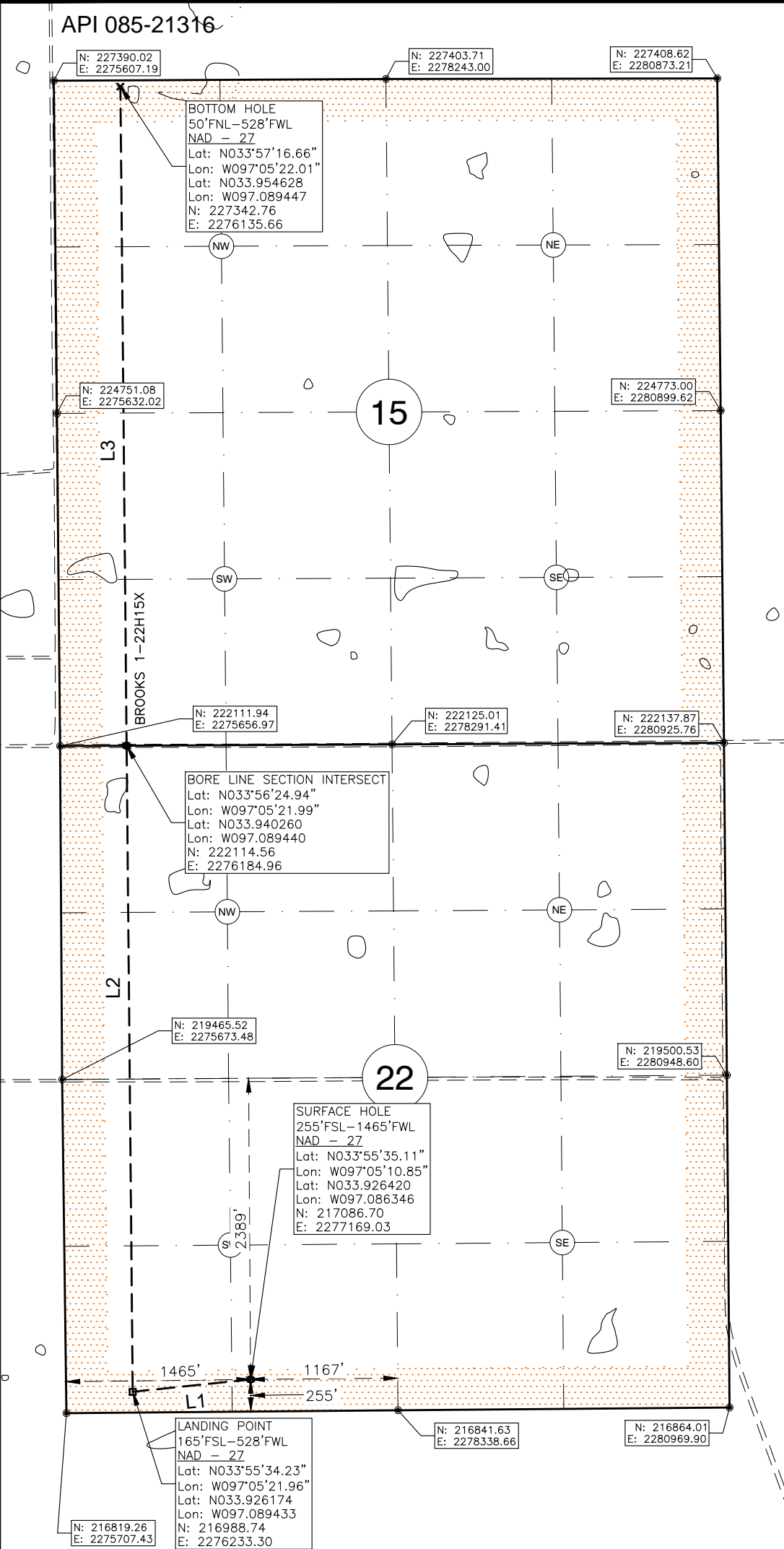
- EXISTING WELL HEAD/PRODUCTION WELL
- PROPOSED SURFACE HOLE (PSHL)
- SECTION CORNER
- PROPOSED LANDING POINT (LP)
- PROPOSED DIVERSION POINT
- PROPOSED BOTTOM HOLE (PBHL)
- BORE LINE SECTION LINE INTERSECT
- EXISTING WELL BORE
- PROPOSED WELL BORE
- SUBJECT WELL BORE
- DRILLING UNIT



Line Table		
Line #	Azimuth	Length
L1	264.023561	940.85
L2	359.459721	5126.05
L3	359.459721	5228.44



- 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: 255' From South Line Section 22
1465' From West Line Section 22

Latitude: N33.926420° (NAD 27)
Longitude: W97.086346° (NAD 27)
Latitude: N33.926521° (NAD 83)
Longitude: W97.086635° (NAD 83)

Ground Elev: 854.43

Landing Point Location: 165' From South Line of Section 22
528' From West Line of Section 22

Bottom Hole Location: 50' From North Line Section 15
528' From West Line Section 15

Drilling Unit: Sec 15 and 22 T7S, R2E

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 North

Distance & Direction from Hwy Jct or Town: From the intersection of Loves Valley Rd and Turkey Hatchery Rd, then West on Turkey Hatchery Rd 1.0mi to Access Rd. Well Location to the South.

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/BROOKS 1-22H15X	DRAWN BY:	LD
DATE: 02/DEC/19	REV: C	SCALE: 1" = 1,100'	Sht 1