

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

API NUMBER: 085 21296

Approval Date: 02/01/2019

Expiration Date: 08/01/2020

Horizontal Hole
Multi Unit

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 28 Twp: 7S Rge: 2E

County: LOVE

SPOT LOCATION:

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 245 310

Lease Name: REED

Well No: 1-28H21X16

Well will be 245 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

BOBBY REED JR & JEANETTE REED
10277 CEMETARY ROAD
MARIETTA OK 73448

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

	Name	Depth	Name	Depth
1	CANEY	16225	6	
2	WOODFORD	17025	7	
3	HUNTON	17125	8	
4			9	
5			10	

Spacing Orders: 689124
126835

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201808497
201808496

Special Orders:

Total Depth: 26525

Ground Elevation: 857

Surface Casing: 340

Depth to base of Treatable Water-Bearing FM: 90

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? Y

Wellhead Protection Area? Y

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

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

PERMIT NO: 18-35564

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? Y

Wellhead Protection Area? Y

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

HORIZONTAL HOLE 1

Sec 16 Twp 7S Rge 2E County LOVE

Spot Location of End Point: NE SW SW NW

Feet From: NORTH 1/4 Section Line: 2000

Feet From: WEST 1/4 Section Line: 525

Depth of Deviation: 16567

Radius of Turn: 1000

Direction: 2

Total Length: 8387

Measured Total Depth: 26525

True Vertical Depth: 17125

End Point Location from Lease,
Unit, or Property Line: 525

Notes:

Category

Description

MEMO

12/30/2018 - 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: 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

12/30/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201808496

2/1/2019 - G56 - (I.O.) 16 & 21-7S-2E
ESTABLISH MULTIUNIT HORIZONTAL WELL
X126835 CNEY 16 & 21-7S-2E
X201808495 WDFD, HNTN 16 & 21-7S-2E
(CNEY, HNTN ARE ADJACENT COMMON SOURCES OF SUPPLY TO WDFD)
61% 21-7S-2E
39% 16-7S-2E
NO OP NAMED
REC 12/3/2018 (JOHNSON)

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

085 21296 REED 1-28H21X16

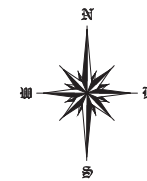
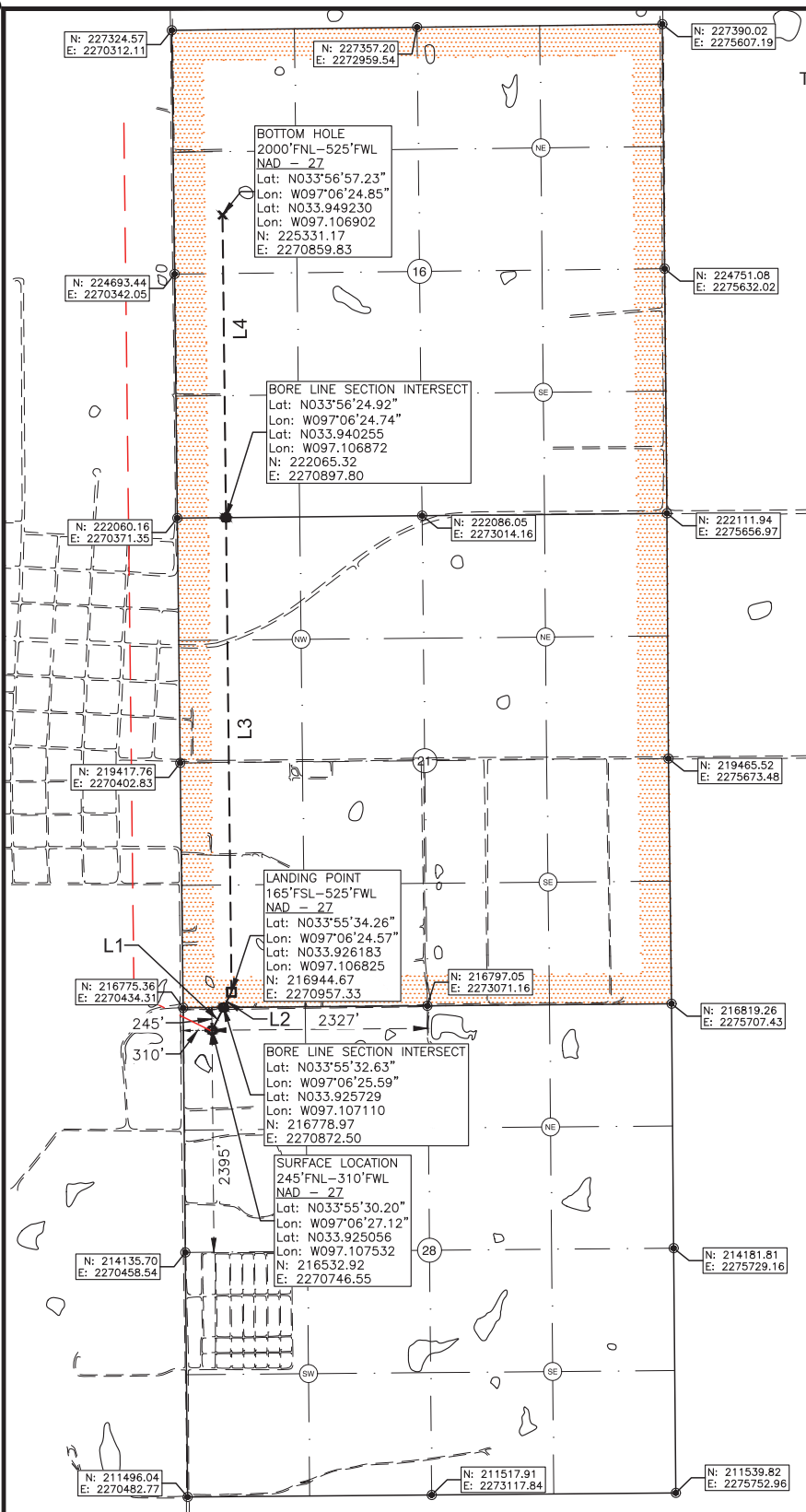
The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.

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 - 201808497	2/1/2019 - G56 - (I.O.) 16 & 21-7S-2E X126835 CNEY 16 & 21-7S-2E X201808495 WDFD, HNTN 16 & 21-7S-2E COMPL INT (21-7S-2E) NCT 165' FSL, NCT 0' FNL, NCT 330' FWL COMPL INT (16-7S-2E) NCT 0' FSL, NCT 165' FNL, NCT 330' FWL NO OP NAMED REC 12/3/2018 (JOHNSON)
PUBLIC WATER SUPPLY WELL	12/30/2018 - G71 - MARIETTA - 1 PWS/WPA, NE/4 20-7S-2E
SPACING - 126835	2/1/2019 - G56 - (640) 16 & 21-7S-2E EST CNEY, OTHERS
SPACING - 689124	2/1/2019 - G56 - (640) 16 & 21-7S-2E EXT 615583 HNTN EXT 648994 WDFD

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

REED 1-28H21X16

SECTION 28
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 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	027.108847	276.41
L2	027.108847	186.15
L3	359.333907	5121.00
L4	359.333907	3266.07



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: 245' From North Line Section 28
310' From West Line Section 28

Latitude: N33.925056° (NAD 27)
Longitude: W97.107532° (NAD 27)
Latitude: N33.925157° (NAD 83)
Longitude: W97.107822° (NAD 83)

Ground Elev: 856.76

Landing Point Location: 165' From South Line Section 21
525' From West Line Section 21

Bottom Hole Location: 2000' From North Line Section 16
525' From West Line Section 16

Drilling Unit: Sections 16 & 21, T7S, R2E

Operator: XTO Energy, Inc.

Best Accessibility to
Location: From West

Distance & Direction from
Hwy Jct or Town:
From the Intersection of
Hwy 77 and W Main St in
Marietta, OK., then East
on W. Main St 0.6mi to
Ashwood Ave., then South
0.4mi to Oak St., then
East 0.4mi. to Cemetery
Rd, then South 0.3mi to
Access Rd. Well Location
to the East.

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/REED 1-28H21X16 DRAWN BY: LD
DATE: 29/NOV/18 REV: B SCALE: 1" = 1,500' SHT NO. 1