

API NUMBER: 085 21303 A

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

Approval Date: 04/11/2019
Expiration Date: 10/11/2020

Multi Unit Oil & Gas

Amend reason: SHL CHANGED AND UPDATE ORDERS

AMEND PERMIT TO DRILL

WELL LOCATION: Section: 17 Township: 7S Range: 1E County: LOVE

SPOT LOCATION: SE NE SE SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 778 159

Lease Name: ROSE RANCH Well No: 1-17H16X21X28 Well will be 159 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

SHORT MCCARTY LIMITED FAMILY PARTNERSHIP
911 SOUTH WILSON AVENUE
BOZEMAN MT 59715

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

	Name	Code	Depth
1	GODDARD	401GDRD	12365
2	CANEY	354CNEY	14038
3	WOODFORD	319WDFD	14597

Spacing Orders: 622294 Location Exception Orders: 701160 Increased Density Orders: No Density Orders
623686
623515
698548
701159

Pending CD Numbers: No Pending Special Orders: No Special Orders

Total Depth: 25350 Ground Elevation: 759 Surface Casing: 1990 Depth to base of Treatable Water-Bearing FM: 440

Deep surface casing has been approved

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: 19-36282
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: GOODLAND/WALNUT

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/WALNUT

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: 28	Township: 7S	Range: 1E	Total Length: 10154	
County: LOVE			Measured Total Depth: 25350	
Spot Location of End Point: S2	SW	SW	True Vertical Depth: 14597	
Feet From: SOUTH	1/4 Section Line: 100		End Point Location from	
Feet From: WEST	1/4 Section Line: 330		Lease, Unit, or Property Line: 100	

NOTES:	
Category	Description
DEEP SURFACE CASING	4/10/2019 - 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	4/9/2019 - 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: 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
LOCATION EXCEPTION - 701160 (201901376)	4/1/2020 - GC2 - (I.O.) 16, 21, & 28-7S-1E X622294 CNEY, WDFD 16-7S-1E X623686 CNEY, WDFD 21-7S-1E X623515 CNEY, WDFD 28-7S-1E X698548 GDRD 16, 21 & 28-7S-1E SHL (17-7S-1E) 797' FSL, 167' FEL COMPL. INT. (16-7S-1E) NCT 165' FSL, NCT 0' FSL, NCT 330' FWL COMPL. INT. (21-7S-1E) NCT 0' FNL, NCT 0' FSL, NCT 330' FWL COMPL. INT. (28-7S-1E) NCT 0' FNL, NCT 165' FSL, NCT 330' FWL XTO ENERGY INC 8-22-2019
MEMO	4/9/2019 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT
SHL	4/1/2020 - GC2 - SWAPPED SLOTS ON PAD WITH THE MCCARTY 2-17H
SPACING - 622294	4/11/2019 - G75 - (640) 16-7S-1E EXT OTHER EXT 591646 CNEY, WDFD, OTHERS
SPACING - 623515	4/11/2019 - G75 - (640) 28-7S-1E EST CNEY, WDFD, OTHERS
SPACING - 623686	4/11/2019 - G75 - (640) 21-7S-1E EST OTHER EXT 591646 CNEY, WDFD, OTHERS
SPACING - 698548	4/1/2020 - GC2 - (640) 16, 21 & 28-7S-1E EXT 119140 GDRD
SPACING - 701159 (201901375)	4/1/2020 - GC2 - (I.O.) 16, 21 & 28-7S-1E EST MULTIUNIT HORIZONTAL WELL X622294 CNEY, WDFD 16-7S-1E X623686 CNEY, WDFD 21-7S-1E X623515 CNEY, WDFD 28-7S-1E X698548 GDRD 16, 21 & 28-7S-1E (GDRD, WDFD ADJACENT COMMON SOURCES OF SUPPLY TO CNEY) 7% 16-7S-1E 52% 21-7S-1E 41% 28-7S-1E XTO ENERGY INC 8-22-2019

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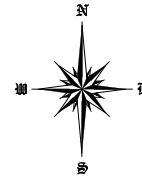
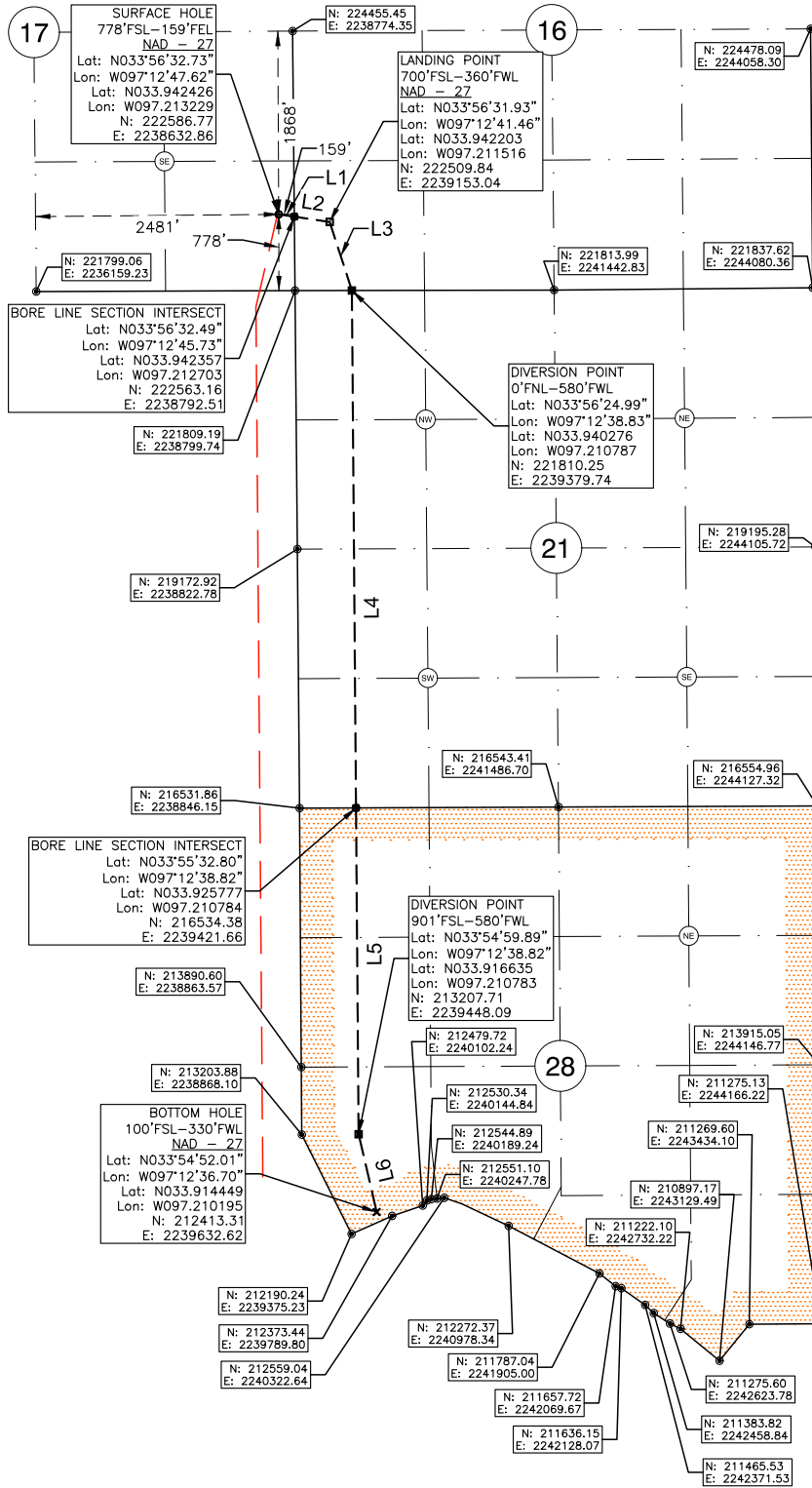
Office of the Conservation Division as to when Surface Casing will be run.

085 21303 ROSE RANCH 1-17H16X21X28

API: 085-21303A

ROSE RANCH 1-17H16X21X28

SECTION 17

TOWNSHIP 7 SOUTH, RANGE 1 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	098.412771	161.39
L2	098.412771	364.45
L3	162.043806	735.41
L4	179.544907	5276.04
L5	179.544907	3326.77
L6	166.922476	815.55



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: 778' From South Line Section 17
159' From East Line Section 17
Latitude: N33.942426° (NAD 27)
Longitude: W97.213229° (NAD 27)
Latitude: N33.942525° (NAD 83)
Longitude: W97.213520° (NAD 83)
Ground Elev: 758.82

Landing Point Location: 700' From South Line Section 16
360' From West Line Section 16

Diversion Point Location: 0' From North Line Section 21
580' From West Line Section 21

Diversion Point Location: 901' From South Line Section 28
580' From West Line Section 28

Bottom Hole Location: 100' From South Line OK/TX Border
330' From West Line Section 28

Drilling Unit: Sections 16, 21, & 28, T7S, R1E

Operator: XTO Energy, Inc.

Best Accessibility to
Location: From South

Distance & Direction from
Hwy Jct or Town:
From the Intersection of
Hwy 32 and Interstate 35
go West 4.5mi on Hwy 32
to Existing Access, then
0.1mi North to New
Access Rd. Well Location
to the North.

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/ROSERANCH1-17H16X21X28 DRAWN BY: LD
DATE: 03/DEC/20 REV: F SCALE: 1" = 1,500' SHT NO. 1