

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

API NUMBER: 069 20174

Approval Date: 02/27/2015

Expiration Date: 08/27/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 12 Twp: 4S Rge: 4E

County: JOHNSTON

SPOT LOCATION: SE SE SE SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 290 220

Lease Name: GREASY BEND

Well No: 1-12H7

Well will be 220 feet from nearest unit or lease boundary.

Operator Name: XTO ENERGY INC

Telephone: 8178853255; 8178852

OTC/OCC Number: 21003 0

XTO ENERGY INC
810 HOUSTON ST
FORT WORTH, TX 76102-6203

WASHITA LAND & CATTLE, LLC
P.O. BOX 1754
ATTN: ERIC J. CHAPMAN, MANAGER
ARDMORE OK 73402

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

	Name	Depth	Name	Depth
1	CANEY	4442	6	
2	SYCAMORE	4786	7	
3	WOODFORD	4974	8	
4	HUNTON	5420	9	
5	SYLVAN	5479	10	

Spacing Orders: 558085

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201500190
201501036

Special Orders:

Total Depth: 10800

Ground Elevation: 656

Surface Casing: 1990

Depth to base of Treatable Water-Bearing FM: 90

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: Yes

Surface Water used to Drill: Yes

PIT 1 INFORMATION

Type of Pit System: ON SITE

Type of Mud System: AIR

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 located in a Hydrologically Sensitive Area.

Category of Pit: 4

Liner not required for Category: 4

Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

Mud System Change to Water-Based or Oil-Based Mud Requires an Amended Intent (Form 1000).

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 15-29570

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: 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 located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

PIT 3 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 located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

HORIZONTAL HOLE 1

Sec 07 Twp 4S Rge 5E County JOHNSTON

Spot Location of End Point: NE SE SE SE

Feet From: SOUTH 1/4 Section Line: 380

Feet From: EAST 1/4 Section Line: 1

Depth of Deviation: 4688

Radius of Turn: 637

Direction: 90

Total Length: 5111

Measured Total Depth: 10800

True Vertical Depth: 5500

End Point Location from Lease,
Unit, or Property Line: 1

Notes:

Category

Description

DEEP SURFACE CASING

2/19/2015 - G71 - APPROVED CONTINGENT ON NOTIFYING OCC FIELD STAFF IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING

MEMO

2/19/2015 - G71 - PITS 2 & 3 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 3 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

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.

Category	Description
PENDING CD - 201500190	2/20/2015 - G76 - (I.O.) 7-4S-5E X558085 CNEY, SCMR, WDFD, HNTN, SLVN SHL 290 FSL, 220 FEL 12-4S-4E COMPL. INT. NCT 330 FSL, NCT 165 FEL, NCT 165 FWL NO OP. NAMED REC. 2/9/2015 (NORRIS)
PENDING CD - 201501036	2/27/2015 - G76 - 7-4S-5E X558085 WDFD 1 WELL NO OP. NAMED HRG ON 3/3/2015
SPACING - 558085	2/20/2015 - G76 - (640) 7-4S-5E VAC 242033 CNEY, SCMR, WDFD, HNTN, OTHER EXT 555200 CNEY, SCMR, WDFD, HNTN, SLVN, OTHER

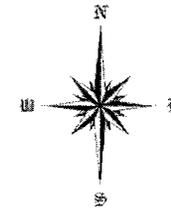
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API 069-20174

GREASY BEND 1-12H7

SECTION 12
TOWNSHIP 4 SOUTH, RANGE 4 EAST
JOHNSTON COUNTY, OKLAHOMA

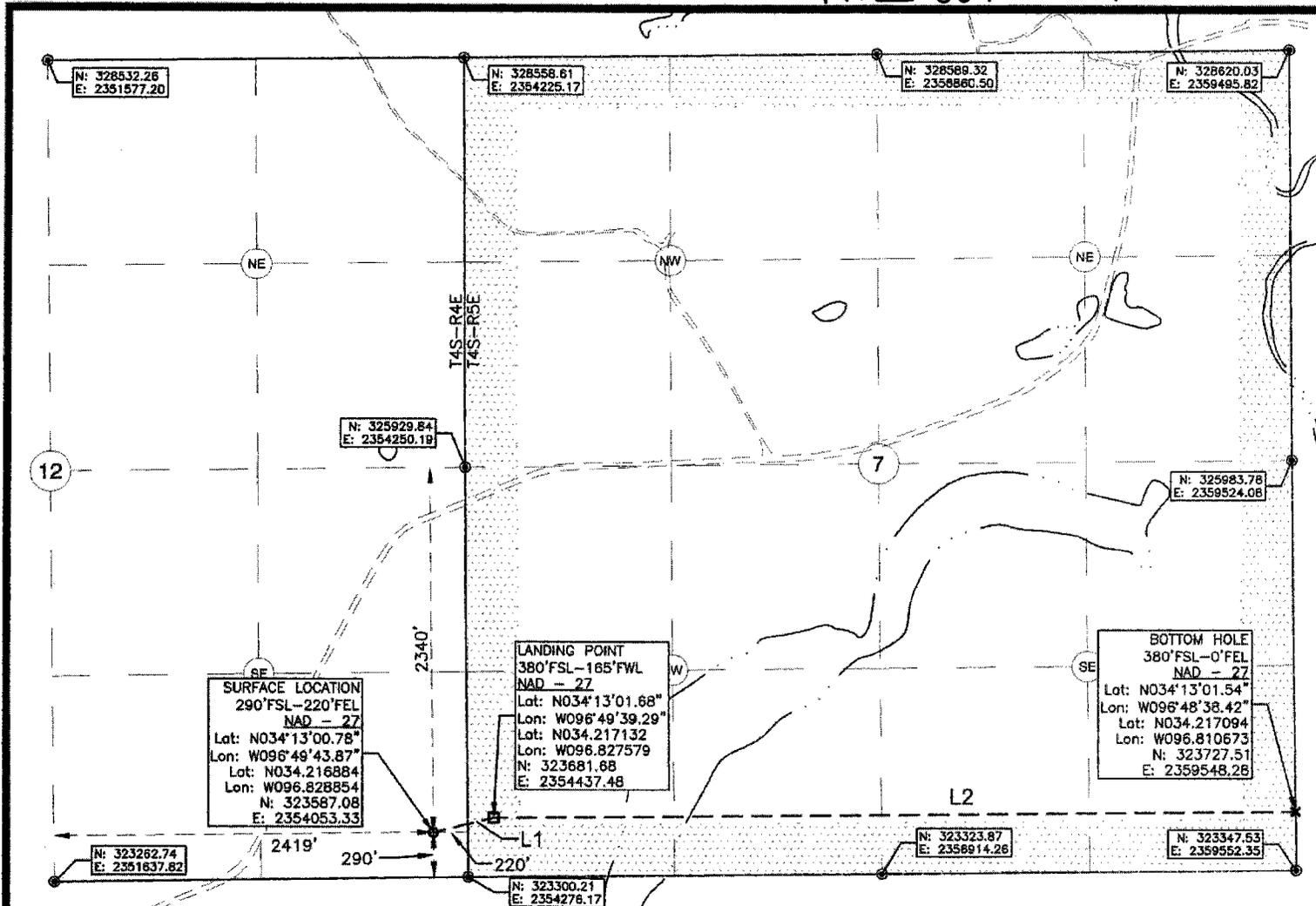
OPERATOR:



Line Table		
Line #	Azimuth	Length
L1	076.166177	395.63
L2	089.486193	5111.00

LEGEND:

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



Surface Hole Location: 290' From South Line Section 12
220' From East Line Section 12

Latitude: N34.216884° (NAD 27)
Longitude: W96.828854° (NAD 27)
Latitude: N34.216979° (NAD 83)
Longitude: W96.829138° (NAD 83)

Ground Elev: 656.4

Landing Point Location: 380' From South Line of Section 7
165' From West Line of Section 7

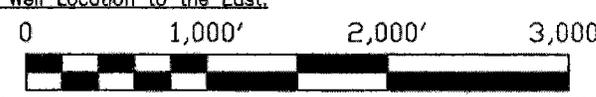
Bottom Hole Location: 380' From South Line Section 7
0' From East Line Section 7

Drilling Unit: Section 7, T4S, R5E

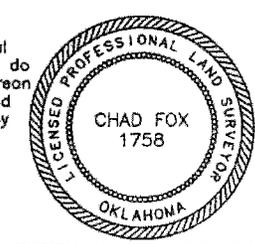
NOTES:
1. This survey does not represent a boundary survey. It is for Geographical Information Systems (GIS) purposes only as instructed by the client and is not to be relied upon for the establishment of fences, buildings or other further improvement lines. Positions were taken with Survey Grade RTK 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.
Operator: XTO Energy, Inc.

Best Accessibility to Location: From West.

Distance & Direction from Hwy Jct or Town:
From the Intersection of Hwy 199 and Grand Rd in Mannsville, OK., go North on Grand Rd 2.0mi. to Greasy Bend Rd. then West 3.1mi 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
CHAD FOX P.L.S. NO. 1758
C.O.A. NO. 6186 EX. DATE: 31JAN16



CDF AND ASSOCIATES, LLC.
208 Dewey Ave. Poteau, OK 74953 (918) 649-3303
Certificate of Authorization No. 6186

JOB NO: XTO/WP14/GREASY BEND 1-12H7 DRAWN BY: LD
DATE: 30/DEC/14 REV: A SCALE: 1" = 1,000' SHT NO. 1