

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

API NUMBER: 085 21204

Approval Date: 12/30/2013
Expiration Date: 06/30/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 03 Twp: 7S Rge: 1W County: LOVE
SPOT LOCATION: NE NE NW NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 270 1360

Lease Name: IRENE Well No: 1-3H2X11 Well will be 270 feet from nearest unit or lease boundary.
Operator Name: XTO ENERGY INC Telephone: 8178852283 OTC/OCC Number: 21003 0

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

ANNIE IRENE MANNING
2008 GREENBRIAR DRIVE
GAINSVILLE TX 73240

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

	Name	Depth	Name	Depth
1	CANEY	11170	6	
2	WOODFORD	11950	7	
3	HUNTON	12100	8	
4			9	
5			10	

Spacing Orders: 617759

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201307923
201307925
201307926
201307924

Special Orders:

Total Depth: 21600 Ground Elevation: 724 **Surface Casing: 1990** Depth to base of Treatable Water-Bearing FM: 200

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

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: CADDO

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

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

PERMIT NO: 13-26081

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? 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 3 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 not located in a Hydrologically Sensitive Area.

Category of Pit: 2

Liner not required for Category: 2

Pit Location is NON HSA

Pit Location Formation: CADDO

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

HORIZONTAL HOLE 1

Sec 11 Twp 7S Rge 1W County LOVE

Spot Location of End Point: E2 W2 W2 W2

Feet From: NORTH 1/4 Section Line: 2640

Feet From: WEST 1/4 Section Line: 400

Depth of Deviation: 12971

Radius of Turn: 1000

Direction: 180

Total Length: 6905

Measured Total Depth: 21600

True Vertical Depth: 13700

End Point Location from Lease,
Unit, or Property Line: 400

Notes:

Category	Description
DEEP SURFACE CASING	12/27/2013 - G30 - 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	12/27/2013 - G30 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS (PER OPERATOR OPTION); PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

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Category	Description
PENDING CD - 201307923	12/27/2013 - G30 - (640) 11-7S-1W VAC 180128 HNTN EXT 617759 CNEY, WDFD, HNTN, OTHER REC 12/16/13 (M.PORTER)
PENDING CD - 201307924	12/27/2013 - G30 - 2 & 11-7S-1W X201307923 CNEY, WDFD, HNTN 11-7S-1W X617759 CNEY, WDFD, HNTN 2-7S-1W EST MULTI UNIT FOR HORIZONTAL WELL PER OCC 165:5-7-62 2-7S-1W (57%) 11-7S-1W (43%) NO OP. NAMED REC 12/16/13 (M.PORTER)
PENDING CD - 201307925	12/27/2013 - G30 - 11-7S-1W X201307923 CNEY, WDFD, HNTN COMP. INT. NCT 0 FNL, NCT 1775 FSL, NCT 330 FWL NO OP. NAMED REC 12/16/13 (M.PORTER)
PENDING CD - 201307926	12/27/2013 - G30 - 2-7S-1W X617759 CNEY, WDFD, HNTN SHL 270 FNL, 1360 FEL 3-7S-1W COMP. INT. NCT 165 FNL, NCT 0 FSL, NCT 330 FWL 2-7S-1W NO OP. NAMED REC 12/16/13 (M.PORTER)
SPACING - 617759	12/27/2013 - G30 - (640) 2-7S-1W VAC 180128 HNTN, OTHER EST CNEY, OTHERS EXT 167657 WDFD, HNTN, OTHER

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