

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

API NUMBER: 085 21260

Approval Date: 02/05/2015  
Expiration Date: 08/05/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 24 Twp: 7S Rge: 1E County: LOVE  
SPOT LOCATION:  NW  SW  NE  NE FEET FROM QUARTER: FROM NORTH FROM EAST  
SECTION LINES: 880 1010

Lease Name: BONE VALLEY Well No: 1-24H13X Well will be 880 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

JOHN & VIRGINIA BONE  
13363 INDIAN TRAILS ROAD  
MARIETTA OK 73448

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

	Name	Depth	Name	Depth
1	CANEY	15230	6	
2	WOODFORD	15970	7	
3	HUNTON	16200	8	
4			9	
5			10	

Spacing Orders: 621784

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201408820  
201408821  
201408822  
201408823

Special Orders:

Total Depth: 22000

Ground Elevation: 829

Surface Casing: 1990

Depth to base of Treatable Water-Bearing FM: 190

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

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 not located in a Hydrologically Sensitive Area.

Category of Pit: 4

Liner not required for Category: 4

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).

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

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

H. SEE MEMO

PERMIT NO: 14-28805

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: 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

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 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

HORIZONTAL HOLE 1

Sec 13 Twp 7S Rge 1E County LOVE

Spot Location of End Point: NW NE NE NE

Feet From: NORTH 1/4 Section Line: 1

Feet From: EAST 1/4 Section Line: 380

Depth of Deviation: 15000

Radius of Turn: 535

Direction: 1

Total Length: 6159

Measured Total Depth: 22000

True Vertical Depth: 16200

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

Notes:

Category	Description
DEEP SURFACE CASING	2/5/2015 - 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	2/5/2015 - G71 - PITS 2 & 3 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 3 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

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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.

085 21260 BONE VALLEY 1-24H13X

Category	Description
PENDING CD - 201408820	2/5/2015 - G91 - (640) 24-7S-1E EXT 621784 CNEY, WDFD, HNTN, OTHER XTO ENERGY, INC. REC. 1-26-2015 (THOMAS)
PENDING CD - 201408821	2/5/2015 - G91 - (I.O.) 13 & 24-7S-1E EST MULTIUNIT HORIZONTAL WELL (BONE VALLEY 1-24H13X) X621784 CNEY, WDFD, HNTN 13-7S-1E X201408820 CNEY, WDFD, HNTN 24-7S-1E (CNEY, HNTN ASSOCIATED COMMON SOURCES OF SUPPLY TO WDFD) 88% 13-7S-1E 12% 24-7S-1E XTO ENERGY INC. REC. 1-26-2015 (THOMAS)
PENDING CD - 201408822	2/5/2015 - G91 - (I.O.) 13-7S-1E X621784 CNEY, WDFD, HNTN SHL 880 FNL, 1010 FEL 24-7S-1E COMPL. INT. NCT 0 FSL, NCT 165 FNL, NCT 380 FEL BHL NCT 165 FNL, NCT 380 FEL ** XTO ENERGY, INC. REC. 1-26-2015 (THOMAS)
	**TO BE CORRECTED IN FINAL ORDER PER OPERATOR**
PENDING CD - 201408823	2/5/2015 - G91 - (I.O.) 24-7S-1E X201408820 CNEY, WDFD, HNTN SHL 880 FNL, 1010 FEL 24-7S-1E COMPL. INT. NCT 165 FNL**, NCT 0 FNL, NCT 380 FEL BHL NCT 165 FNL, NCT 380 FEL 13-7S-1E** XTO ENERGY INC. REC. 1-26-2015 (THOMAS)
	**TO BE CORRECTED AT FINAL HEARING PER OPERATOR**
SPACING - 621784	2/5/2015 - G91 - (640) 13-7S-1E EST OTHERS EXT 606743 CNEY, WDFD, HNTN, OTHER