PERMIT TO DURLI WELL LOCATION: W. W	PI NUMBER: 019 25872 rizontal Hole Oil & Gas	OIL & GAS	CORPORATION C CONSERVATION P.O. BOX 52000 DMA CITY, OK 731 (Rule 165:10-3-1)	I DIVISION	Approval Date: Expiration Date	
WELLLOCATION Sec. 28 Tep: 38 Rpc 56 Confy: CARTER BOT LOCATION W W W Max Transcaurant meal NORTH meal WEST BOT LOCATION W W W W W WST Encode			PERMIT TO DRILL	_		
SPOTLOCATON: WW			<u> </u>	-		
actionation for the production for the	WELL LOCATION: Sec: 28 Twp: 3S R	ge: 3E County: CART	ER			
Under Formation (s) (Permit Valid for Listed Formations Only): Name: Depth 1 CANEY 1 Coney 1	SPOT LOCATION: NW SW NE N	W FEET FROM QUARTER: FROM	NORTH FROM WES	ST		
Lease Name: DENNIS Well Nie 6-2-28-24 Well Nie 6-2-26 OTCOOC Number: 21003 0 Marker XTO ENERGY INC 810 HOUSTON ST FORT WORTH, TX 76102-6203 WARREN HERRIOTT 4827 DOGWOOD ROAD ARDMORE WARREN HERRIOTT 4827 DOGWOOD ROAD ARDMORE 0K 73402 Formation(s) (Permit Valid for Listed Formations Only): Name Depth 0 Name Depth Name Depth 1 CANEY 10610 6 2 SYCAMORE 11220 7 3 WOODFORD 11695 8 5 10 10 Special Orders: 609161 6092642 0000000 000000000000000000000000000000000000		SECTION LINES:	925 1530	0		
Nime: Depter Volume V	Lease Name: DENNIS				be 925 feet from nea	arest unit or lease boundary.
810 HOUSTON ST FORT WORTH, TX 76102-6203 Formation(s) (Permit Valid for Listed Formations Only): ARDMORE OK 73402 Formation(s) (Permit Valid for Listed Formations Only): Name Depth 0 1 CANEY 10810 6 2 SYCAMORE 11220 7 3 WOODFORD 11695 8 9 9 5 10 Specing Orders: 142014 Location Exception Orders: 609247 Increased Density Orders: 609161 Pending CD Numbers: Special Orders: Special Orders: Special Orders: 609161 Total Depth: 1695.4 Ground Elevation: 7.22 Surface Casing: 1600 Depth to base of Treatable Water-Bearing FM: 320 Under Federal Jurisdiction: No Fresh Water Supply Well Diffled: Yes Surface Water used to Dnit: Yes PT 1 INFORMATION Approved Method for disposal of Drilling Fluids: A Evaporation/dewater and backliling of reserve pit. D. One time land application - (REQUIRES PERMIT) PERMIT NO: 132-4 Yightin 1 mile of municipal water well? N N A Evaporation/dewater and backliling of reserve pit.			Telephone: 405232	4011	OTC/OCC Number	: 21003 0
810 HOUSTON ST FORT WORTH, TX 76102-6203 Formation(s) (Permit Valid for Listed Formations Only): ARDMORE OK 73402 Formation(s) (Permit Valid for Listed Formations Only): Name Depth 0 1 CANEY 10810 6 2 SYCAMORE 11220 7 3 WOODFORD 11695 8 9 9 5 10 Specing Orders: 142014 Location Exception Orders: 609247 Increased Density Orders: 609161 Pending CD Numbers: Special Orders: Special Orders: Special Orders: 609161 Total Depth: 1695.4 Ground Elevation: 7.22 Surface Casing: 1600 Depth to base of Treatable Water-Bearing FM: 320 Under Federal Jurisdiction: No Fresh Water Supply Well Diffled: Yes Surface Water used to Dnit: Yes PT 1 INFORMATION Approved Method for disposal of Drilling Fluids: A Evaporation/dewater and backliling of reserve pit. D. One time land application - (REQUIRES PERMIT) PERMIT NO: 132-4 Yightin 1 mile of municipal water well? N N A Evaporation/dewater and backliling of reserve pit.	XTO ENERGY INC					
FORT WORTH, TX 76102-6203 4827 DOGWOOD ROAD ARDMORE OK 73402 Formation(s) (Permit Valid for Listed Formations Only): Name Depth Name Depth 1 CANEY 10810 6 2 SYCAMORE 11220 7 3 WOODFORD 11685 8 4 HUNTON 11983 9 5 0 10 Special Orders: Pending CD Numbers: Total Depth: 16854 Ground Elevation: 722 Surface Casing: 1600 Depth to base of Treatable Water-Bearing FM: 320 Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: Yes Surface Water used to Drill: Yes Part 1 INFORMATION Approved Method for disposal of Drilling Fluids: Type of Pit System: ON SITE Type of Pit System: AIR Done time land application - (REQUIRES PERMIT) PERMIT NO: 13: How the torp of ground water greater than 10th below base of pit? Y Within Time of multipologically Sensitive Area. Casegory of Pit: 4 Huccation is BED AQUIFER				WARREN HERRIO	ТТС	
ARDMORE OK 73402 Formation(s) (Permit Valid for Listed Formations Only): Image: Constraint of the second sec				4827 DOGWOOD I	ROAD	
Name Depth Name Depth 1 CANEY 10810 6 2 SYCAMORE 11220 7 3 WOODFORD 11695 8 4 HUNTON 11983 9 5 10 10 Special Orders: 609247 Increased Density Orders: 609242 1120 7 Special Orders: 609247 Cocation Exception Orders: 609247 Increased Density Orders: 609161 609242 Special Orders: 5 5 5 Ground Elevation: 722 Surface Casing: 1600 1600 Ground Elevation: 722 Surface Casing: 1600 17 1 INFORMATION Fresh Water Supply Well Drillet: Yes Surface Water used to Drill: Yes Type of Mud System: AIR D. One time land application - (REQUIRES PERMIT) PERMIT NO: 13.4 Is depth to top of ground water greater than 101 below base of pit? Y H. SEE MEMO Wellhaed Protection Arca? N Priceation is BED AQUIFER Elevation: S BED AQUIFER	FORT WORTH,	X 76102-6203		ARDMORE	OK	73402
Pending CD Numbers: Special Orders: Total Depth: 16954 Ground Elevation: 722 Surface Casing: 1600 Depth to base of Treatable Water-Bearing FM: 320 Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: Yes Surface Water used to Drill: Yes PIT 1 INFORMATION Approved Method for disposal of Drilling Fluids: Approved Method for disposal of Drilling Fluids: Type of Pit System: ON SITE A. Evaporation/dewater and backfilling of reserve pit. Type of Mud System: AIR D. One time land application (REQUIRES PERMIT) PERMIT NO: 13-2 Is depth to top of ground water greater than 10ft below base of pit? Y H. SEE MEMO H. SEE MEMO Within 1 mile of municipal water well? N PERMIT NO: 13-2 Pit is located in a Hydrologically Sensitive Area. Category of PIt: 4 Liner not required for Category: 4 Pit Location is BED AQUIFER PIt Location is BED AQUIFER	1 CANEY 2 SYCAMORE 3 WOODFORD 4 HUNTON 5	10810 11220 11695 11983	7 8 9 10 Drders: 609247			
Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: Yes Surface Water used to Drill: Yes PIT 1 INFORMATION Approved Method for disposal of Drilling Fluids: Type of Pit System: ON SITE A. Evaporation/dewater and backfilling of reserve pit. Type of Mud System: AIR D. One time land application (REQUIRES PERMIT) Is depth to top of ground water greater than 10ft below base of pit? Y H. SEE MEMO Within 1 mile of municipal water well? N Vellhead Protection Area? N Pit is located in a Hydrologically Sensitive Area. Category of Pit: 4 Liner not required for Category: 4 Pit Location is BED AQUIFER	Pending CD Numbers:		0002.12		Special Orders:	
PIT 1 INFORMATION Approved Method for disposal of Drilling Fluids: Type of Pit System: ON SITE A. Evaporation/dewater and backfilling of reserve pit. Type of Mud System: AIR D. One time land application (REQUIRES PERMIT) PERMIT NO: 13-2 Is depth to top of ground water greater than 10ft below base of pit? Y H. SEE MEMO 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 BED AQUIFER	Total Depth: 16954 Ground Elevati	on: 722 Surface (Casing: 1600	De	opth to base of Treatable Wa	ater-Bearing FM: 320
Type of Pit System: ON SITE A. Evaporation/dewater and backfilling of reserve pit. Type of Mud System: AIR D. One time land application (REQUIRES PERMIT) Is depth to top of ground water greater than 10ft below base of pit? Y H. SEE MEMO Within 1 mile of municipal water well? N M 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 BED AQUIFER BED AQUIFER	Under Federal Jurisdiction: No	Fresh Water	Supply Well Drilled: Ye	s	Surface Wate	er used to Drill: Yes
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 BED AQUIFER	PIT 1 INFORMATION		Approve	d Method for disposal of D	prilling Fluids:	
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 BED AQUIFER			A. Eva	poration/dewater and back	filling of reserve pit.	
D. One time land application (REQUIRES PERMIT) PERMIT NO: 13-2 Is depth to top of ground water greater than 10ft below base of pit? Y H. SEE MEMO 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 BED AQUIFER			·		-	
Pit is located in a Hydrologically Sensitive Area. Category of Pit: 4 Liner not required for Category: 4 Pit Location is BED AQUIFER		slow base of pit? Y			EQUIRES PERMIT)	PERMIT NO: 13-2284
Category of Pit: 4 Liner not required for Category: 4 Pit Location is BED AQUIFER	Wellhead Protection Area? N					
Liner not required for Category: 4 Pit Location is BED AQUIFER	Pit is located in a Hydrologically Sensitive A	Area.				
Pit Location is BED AQUIFER	Category of Pit: 4					
	Liner not required for Category: 4					
Pit Location Formation: ANTLERS	Pit Location is BED AQUIFER					
	Pit Location Formation: ANTLERS					

 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

 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
 C

Pit Location is BED AQUIFER Pit Location Formation: ANTLERS

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 BED AQUIFER Pit Location Formation: ANTLERS

HORIZONTAL HOLE 1

Sec 21 Twp 3S Rge 3E County CARTER NW Spot Location of End Point: NW NE NW NORTH 1/4 Section Line: Feet From: 1 WEST Feet From: 1/4 Section Line: 930 Depth of Deviation: 10105 Radius of Turn: 1000 Direction: 360 Total Length: 5127 Measured Total Depth: 16954 True Vertical Depth: 11983 End Point Location from Lease, Unit, or Property Line: 1

Notes:	
Category	Description
DEEP SURFACE CASING	3/22/2013 - 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
INCREASED DENSITY - 609161	3/22/2013 - G30 - 21-3S-3E X142014 WDFD 8 WELLS XTO ENERGY INC. 3/18/13

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
LOCATION EXCEPTION - 609242	3/22/2013 - G30 - (I.O.) 21-3S-3E X165:10-3-38(C)(2)(B) NCT 500' TO DENNIS 7-28H21 3/19/13
LOCATION EXCEPTION - 609247	3/22/2013 - G30 - (I.O.) 21-3S-3E X142014 CNEY, SCMR, WDFD, HNTN 925 FNL, 1530 FWL 28-3S-3E COMP. INT. NCT 165 FSL, NCT 165 FNL, NCT 880 FWL 21-3S-3E XTO ENERGY INC. 3/19/13
MEMO	3/22/2013 - G71 - PITS 2 & 3 - CLOSED SYSTEM=STEEL PITS PER OPERATOR OPTION, PIT 3 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 142014	3/22/2013 - G30 - (640) 21-3S-3E EST CNEY, SCMR, WDFD, HNTN, OTHERS