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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number		² Pool Code		³ Pool Name	
⁴ Property Code		⁵ Property Name POKER LAKE UNIT 21 BD			⁶ Well Number 128H
⁷ OGRID No.		⁸ Operator Name BOPCO, L.P.			⁹ Elevation 3,267'

¹⁰ Surface Location									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	21	25 S	30 E		530	SOUTH	704	EAST	EDDY

¹¹ Bottom Hole Location If Different From Surface									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	4	26 S	30 E		2,440	NORTH	330	EAST	EDDY

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

¹⁶ T25S R30E SEC. 21 GRID AZ = 156°14'21" HORIZ. DIST. = 937.50' SEC. 28 GRID AZ = 178°59'34" HORIZ. DIST. = 12,756.04' SEC. 33 T25S R30E SEC. 4 T26S R30E	GEODETTIC COORDINATES NAD 27 NME SURFACE LOCATION Y = 403,941.7 X = 640,572.1 LAT. = 32.109738°N LONG. = 103.879328°W FIRST TAKE POINT NAD 27 NME Y = 403,083.8 X = 640,949.9 LAT. = 32.107375°N LONG. = 103.878119°W CORNER COORDINATES TABLE NAD 27 NME A - Y = 403,415.8 N, X = 641,280.1 E B - Y = 403,407.4 N, X = 639,943.0 E C - Y = 400,755.4 N, X = 641,278.4 E D - Y = 400,744.9 N, X = 639,950.9 E E - Y = 398,094.4 N, X = 641,276.6 E F - Y = 398,087.8 N, X = 639,958.7 E G - Y = 395,431.4 N, X = 641,273.8 E H - Y = 395,421.5 N, X = 639,949.7 E I - Y = 392,770.5 N, X = 641,270.3 E J - Y = 392,760.1 N, X = 639,940.2 E K - Y = 390,112.1 N, X = 641,282.0 E L - Y = 390,101.7 N, X = 639,952.9 E CORNER COORDINATES TABLE NAD 83 NME A - Y = 403,473.8 N, X = 682,465.2 E B - Y = 403,465.5 N, X = 681,128.1 E C - Y = 400,813.4 N, X = 682,463.6 E D - Y = 400,802.9 N, X = 681,136.1 E E - Y = 398,152.3 N, X = 682,461.9 E F - Y = 398,145.7 N, X = 681,144.0 E G - Y = 395,489.3 N, X = 682,459.2 E H - Y = 395,479.4 N, X = 681,135.0 E I - Y = 392,828.3 N, X = 682,455.8 E J - Y = 392,817.9 N, X = 681,125.6 E K - Y = 390,159.9 N, X = 682,467.5 E L - Y = 390,159.5 N, X = 681,138.4 E LAST TAKE POINT NAD 27 NME Y = 390,457.9 X = 640,950.5 LAT. = 32.072667°N LONG. = 103.878289°W BOTTOM HOLE LOCATION NAD 27 NME Y = 390,327.9 X = 640,951.1 LAT. = 32.072310°N LONG. = 103.878289°W	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature _____ Date _____ Printed Name _____ E-mail Address _____
		¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. 06-13-2018 Date of Survey Signature and Seal of Professional Surveyor: MARK DILLON HARP 23786 Certificate Number RR/AI 2017071080



www.prototypewellplanning.com
Planning Report

Database: EDM 5000.1 Single User Db
Company: XTO Energy
Project: Eddy County, NM (NAD-27)
Site: PLU 21 Brushy Draw
Well: 128H
Wellbore: OH
Design: PERMIT Rev1

Local Co-ordinate Reference: Well 128H
TVD Reference: RKB = 27' @ 3294.00usft
MD Reference: RKB = 27' @ 3294.00usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Project	Eddy County, NM (NAD-27)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	PLU 21 Brushy Draw			
Site Position:		Northing:	403,833.80 usft	Latitude: 32.109484
From: Map		Easting:	636,877.20 usft	Longitude: -103.891263
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.24 °

Well	128H			
Well Position	+N/-S	107.90 usft	Northing:	403,941.70 usft
	+E/-W	3,694.90 usft	Easting:	640,572.10 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level: 3,267.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	11/27/2017	7.04	59.90	47,793

Design	PERMIT Rev1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	179.99

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,610.00	0.00	0.00	5,610.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,859.80	5.00	129.33	5,859.48	-6.90	8.42	2.00	2.00	0.00	129.33	
10,794.03	5.00	129.33	10,774.97	-279.23	340.80	0.00	0.00	0.00	0.00	
11,668.98	90.66	179.99	11,315.00	-857.90	377.80	10.00	9.79	5.79	50.73	128H: FTP/ LP.
24,295.71	90.66	179.99	11,169.50	-13,483.80	378.99	0.00	0.00	0.00	0.00	128H: LTP.
24,425.72	90.66	179.99	11,168.00	-13,613.80	379.00	0.00	0.00	0.00	0.00	128H: PBHL (2440'