

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

FEB 07 2019

Submit Original
to Appropriate
District Office

DISTRICT II-ARTESIA O.C.D.

GAS CAPTURE PLAN

Date: 11/27/17

☒ Original

Operator & OGRID No.: BOPCO, LP [260737]

☐ Amended - Reason for Amendment:

This Gas Capture Plan outlines actions to be taken by the Operator to reduce well/production facility flaring/venting for new completion (new drill, recomple to new zone, re-frac) activity.

Note: Form C-129 must be submitted and approved prior to exceeding 60 days allowed by Rule (Subsection A of 19.15.18.12 NMAC).

Well(s)/Production Facility – Name of facility: Poker Lake Unit 21 BD East CTB

The well(s) that will be located at the production facility are shown in the table below.

Well Name	API	Well Location (ULSTR)	Footages	Expected MCF/D	Flared or Vented	Comments
Poker Lake Unit 21 BD 701H		M-21-25S-30E	452' FSL & 828' FWL	2900	Flared/Sold	
Poker Lake Unit 21 BD 901H		M-21-25S-30E	452' FSL & 858' FWL	2600	Flared/Sold	
Poker Lake Unit 21 BD 121H		M-21-25S-30E	452' FSL & 888' FWL	4500	Flared/Sold	
Poker Lake Unit 21 BD 122H		M-21-25S-30E	452' FSL & 918' FWL	4500	Flared/Sold	
Poker Lake Unit 21 BD 102H		M-21-25S-30E	452' FSL & 948' FWL	2800	Flared/Sold	
Poker Lake Unit 21 BD 703H		N-21-25S-30E	355' FSL & 1920' FWL	2900	Flared/Sold	
Poker Lake Unit 21 BD 903H		N-21-25S-30E	355' FSL & 1950' FWL	2600	Flared/Sold	
Poker Lake Unit 21 BD 123H		N-21-25S-30E	355' FSL & 1980' FWL	4500	Flared/Sold	
Poker Lake Unit 21 BD 124H		N-21-25S-30E	355' FSL & 2010' FWL	4500	Flared/Sold	
Poker Lake Unit 21 BD 104H		N-21-25S-30E	355' FSL & 2040' FWL	2800	Flared/Sold	
Poker Lake Unit 21 BD 106H 30-015-45697		O-21-25S-30E	330' FSL & 1920' FEL	3100	Flared/Sold	
Poker Lake Unit 21 BD 126H		O-21-25S-30E	330' FSL & 1950' FEL	5000	Flared/Sold	
Poker Lake Unit 21 BD 125H		O-21-25S-30E	330' FSL & 1980' FEL	5000	Flared/Sold	
Poker Lake Unit 21 BD 905H		O-21-25S-30E	330' FSL & 2010' FEL	2900	Flared/Sold	
Poker Lake Unit 21 BD 705H		O-21-25S-30E	330' FSL & 2040' FEL	3200	Flared/Sold	
Poker Lake Unit 21 BD 108H		P-21-25S-30E	480' FSL & 674' FEL	3100	Flared/Sold	
Poker Lake Unit 21 BD 128H		P-21-25S-30E	480' FSL & 704' FEL	5000	Flared/Sold	
Poker Lake Unit 21 BD 127H		P-21-25S-30E	480' FSL & 734' FEL	5000	Flared/Sold	
Poker Lake Unit 21 BD 907H		P-21-25S-30E	480' FSL & 764' FEL	2900	Flared/Sold	
Poker Lake Unit 21 BD 707H		P-21-25S-30E	480' FSL & 794' FEL	3200	Flared/Sold	



Database: EDM 5000.1 Single User Db
Company: XTO Energy
Project: Eddy County, NM (NAD-27)
Site: PLU 21 Brushy Draw
Well: 106H
Wellbore: OH
Design: PERMIT

Local Co-ordinate Reference: Well 106H
TVD Reference: RKB = 27' @ 3273.00usft
MD Reference: RKB = 27' @ 3273.00usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
106H: SHL (330' FSL - plan hits target center - Point	0.00	0.00	0.00	0.00	0.00	403,733.90	639,357.60	32.109181	-103.883253
106H: PBHL (2440' FI - plan hits target center - Point	0.00	0.00	10,946.00	-13,416.30	273.50	390,317.60	639,631.10	32.072297	-103.882551
106H: LTP. - plan misses target center by 0.67usft at 23946.78usft MD (10946.33 TVD, -13286.30 N, 273.49 E) - Point	0.00	0.00	10,946.00	-13,286.30	272.90	390,447.60	639,630.50	32.072654	-103.882551
106H: FTP/ LP. - plan hits target center - Point	0.00	0.00	10,978.00	-658.30	272.30	403,075.60	639,629.90	32.107368	-103.882383

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
845.00	845.00	Rustler			
1,405.00	1,405.00	Top Salt			
3,604.00	3,604.00	Base Salt			
3,797.00	3,797.00	Delaware			
7,580.00	7,580.00	Bone Spring			
8,554.24	8,551.00	1st Bone Spring Ss			
9,365.33	9,359.00	2nd Bone Spring Ss			
9,714.66	9,707.00	3rd Bone Spring Lm			
10,499.90	10,489.00	3rd Bone Spring Ss			
11,004.51	10,895.00	Wolfcamp			