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

Submit Original
to Appropriate
District Office

NM OIL CONSERVATION
ARTESIA DISTRICT
NOV 29 2018
RECEIVED

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, recomplete 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		O-21-25S-30E	330' FSL & 1920' FEL	3100	Flared/Sold	
Poker Lake Unit 21 BD 126H 30-015-45517		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	**Local Co-ordinate Reference:**	Well 126H
Company:	XTO Energy	**TVD Reference:**	RKB = 27' @ 3273.00usft
Project:	Eddy County, NM (NAD-27)	**MD Reference:**	RKB = 27' @ 3273.00usft
Site:	PLU 21 Brushy Draw	**North Reference:**	Grid
Well:	126H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	PERMIT		

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
126H: SHL (330' FSL/ - plan hits target center - Point	0.00	0.00	0.00	0.00	0.00	403,733.70	639,327.60	32.109181	-103.883350
126H: LTP. - plan misses target center by 1.24usft at 24226.80usft MD (11147.09 TVD, -13286.11 N, 303.49 E) - Point	0.00	0.00	11,146.00	-13,286.10	302.90	390,447.60	639,630.50	32.072654	-103.882551
126H: PBHL (2440' FI - plan hits target center - Point	0.00	0.00	11,146.00	-13,416.10	303.50	390,317.60	639,631.10	32.072297	-103.882551
126H: FTP/ LP. - plan hits target center - Point	0.00	0.00	11,253.00	-658.10	302.30	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			
7,580.01	7,580.00	Bone Spring			
8,554.34	8,551.00	1st Bone Spring Ss			
9,365.43	9,359.00	2nd Bone Spring Ss			
9,714.75	9,707.00	3rd Bone Spring Lm			
10,499.74	10,489.00	3rd Bone Spring Ss			
10,912.51	10,895.00	Wolfcamp			
11,035.55	11,003.00	Wolfcamp A			