

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 87418
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

NM OIL CONSERVATION
 ARTESIA DISTRICT
 AUG 10 2018
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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

GAS CAPTURE PLAN

Date: 9/28/17

☒ 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: Brushy Draw 30 & 31 Federal 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
Brushy Draw 30 Fed 102H		M-30-25S-30E	330' FSL & 1175' FWL	2530	Flared/Sold	
Brushy Draw 30 Fed 122H		M-30-25S-30E	330' FSL & 1205' FWL	3960	Flared/Sold	
Brushy Draw 30 Fed 703H		M-30-25S-30E	330' FSL & 1145' FWL	2530	Flared/Sold	
Brushy Draw 30 Fed 701H		M-30-25S-30E	330' FSL & 340' FWL	2530	Flared/Sold	
Brushy Draw 30 Fed 121H		M-30-25S-30E	330' FSL & 400' FWL	3960	Flared/Sold	
Brushy Draw 30 Fed 901H		M-30-25S-30E	330' FSL & 370' FWL	2300	Flared/Sold	
Brushy Draw 30 Fed 104H		N-30-25S-30E	330' FSL & 2010' FWL	2530	Flared/Sold	
Brushy Draw 30 Fed 123H		N-30-25S-30E	330' FSL & 1980' FWL	3960	Flared/Sold	
Brushy Draw 30 Fed 903H		N-30-25S-30E	330' FSL & 1950' FWL	2300	Flared/Sold	
Brushy Draw 30 Fed 106H		O-30-25S-30E	330' FSL & 1615' FWL	2530	Flared/Sold	
Brushy Draw 30 Fed 125H		O-30-25S-30E	330' FSL & 1585' FWL	3960	Flared/Sold	
Brushy Draw 30 Fed 126H		O-30-25S-30E	330' FSL & 1555' FWL	3960	Flared/Sold	
Brushy Draw 31 Fed 124H		B-31-25S-30E	223' FNL & 2344' FEL	3960	Flared/Sold	
Brushy Draw 31 Fed 905H		B-31-25S-30E	223' FNL & 2284' FEL	2300	Flared/Sold	
Brushy Draw 31 Fed 705H		B-31-25S-30E	2200' FNL & 600' FEL	2530	Flared/Sold	
Brushy Draw 31 Fed 108H		H-31-25S-30E	2200' FNL & 600' FEL	3960	Flared/Sold	
Brushy Draw 31 Fed 127H		H-31-25S-30E	2200' FNL & 660' FEL	3960	Flared/Sold	
Brushy Draw 31 Fed 128H		H-31-25S-30E	2200' FNL & 631' FEL	3960	Flared/Sold	
Brushy Draw 31 Fed 707H		H-31-25S-30E	2200' FNL & 720' FEL	2530	Flared/Sold	
Brushy Draw 31 Fed 907H	30-015 45140	H-31-25S-30E	2200' FNL & 690' FEL	2300	Flared/Sold	



Database: EDM 5000.1 Single User Db
 Company: XTO Energy
 Project: Eddy County, NM (NAD-27)
 Site: Brushy Draw 31 Federal
 Well: #907H
 Wellbore: OH
 Design: Plan #1

Local Co-ordinate Reference: Well #907H
 TVD Reference: RKB= 27' @ 3158.00usft (Unknown)
 MD Reference: RKB= 27' @ 3158.00usft (Unknown)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
20,100.00	90.00	179.71	10,503.00	-9,959.12	-251.62	9,962.26	0.00	0.00	0.00
20,200.00	90.00	179.71	10,503.00	-10,059.12	-251.11	10,062.22	0.00	0.00	0.00
20,300.00	90.00	179.71	10,503.00	-10,159.11	-250.60	10,162.19	0.00	0.00	0.00
20,400.00	90.00	179.71	10,503.00	-10,259.11	-250.09	10,262.15	0.00	0.00	0.00
20,500.00	90.00	179.71	10,503.00	-10,359.11	-249.58	10,362.11	0.00	0.00	0.00
20,600.00	90.00	179.71	10,503.00	-10,459.11	-249.07	10,462.07	0.00	0.00	0.00
20,700.00	90.00	179.71	10,503.00	-10,559.11	-248.56	10,562.03	0.00	0.00	0.00
20,800.00	90.00	179.71	10,503.00	-10,659.11	-248.05	10,661.99	0.00	0.00	0.00
20,900.00	90.00	179.71	10,503.00	-10,759.11	-247.54	10,761.95	0.00	0.00	0.00
21,006.40	90.00	179.71	10,503.00	-10,865.50	-247.00	10,868.31	0.00	0.00	0.00

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
Brushy Dw 31 Fed. # - plan hits target center - Point	0.00	0.00	0.00	0.00	0.00	395,792.80	629,934.10	32.087456	-103.913787
Brushy Dw 31 Fed. # - plan hits target center - Point	0.00	0.00	10,503.00	-10,865.50	-247.00	384,927.30	629,687.10	32.057589	-103.914721
Brushy Dw 31 Fed. # - plan misses target center by 0.16usft at 20876.39usft MD (10503.00 TVD, -10735.50 N, -247.66 E) - Point	0.00	0.00	10,503.00	-10,735.50	-247.50	385,057.30	629,686.60	32.057946	-103.914721
Brushy Dw 31 Fed. # - plan hits target center - Point	0.00	0.00	10,503.00	-703.30	-298.81	395,089.50	629,635.29	32.085525	-103.914761
Brushy Dw 31 Fed. # - plan hits target center - Point	0.00	0.00	10,503.00	-803.30	-298.30	394,989.50	629,635.80	32.085251	-103.914760

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
790.00	790.00	Rustler			
1,033.00	1,033.00	Top Salt			
3,319.38	3,315.00	Base Salt			
3,510.10	3,505.00	Delaware			
7,281.02	7,267.00	Bone Spring			
8,252.02	8,238.00	1st Bone Spring Ss			
9,059.02	9,045.00	2nd Bone Spring Ss			
9,366.02	9,352.00	3rd Bone Spring Lm			
10,165.49	10,146.00	3rd Bone Spring Ss			
10,634.22	10,465.00	3rd Bone Spring RH			