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State of New Mexico  
Energy, Minerals and Natural Resources Department  
Oil Conservation Division  
1220 South St. Francis Dr. DISTRICT II-ARTESIA O.C.D.  
Santa Fe, NM 87505

MAR 29 2019

Submit Original  
to Appropriate  
District Office

**GAS CAPTURE PLAN**

Date: 08/30/18

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 25 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 25 BD 701H		E-25-25S-30E	2595' FNL & 772' FWL	2900	Flared/Sold	
Poker Lake Unit 25 BD 901H		E-25-25S-30E	2560' FNL & 522' FWL	3000	Flared/Sold	
Poker Lake Unit 25 BD 102H		E-25-25S-30E	2560' FNL & 772' FWL	2800	Flared/Sold	
Poker Lake Unit 25 BD 121H		E-25-25S-30E	2525' FNL & 522' FWL	4800	Flared/Sold	
Poker Lake Unit 25 BD 122H		E-25-25S-30E	2525' FNL & 772' FWL	4800	Flared/Sold	
Poker Lake Unit 25 BD 125H		G-25-25S-30E	2310' FNL & 1980' FEL	4300	Flared/Sold	
Poker Lake Unit 25 BD 705H		G-25-25S-30E	2310' FNL & 2040' FEL	2600	Flared/Sold	
Poker Lake Unit 25 BD 905H		G-25-25S-30E	2310' FNL & 2010' FEL	2700	Flared/Sold	
Poker Lake Unit 25 BD 106H		G-25-25S-30E	2310' FNL & 1920' FEL	2600	Flared/Sold	
Poker Lake Unit 25 BD 126H		G-25-25S-30E	2310' FNL & 1950' FEL	4300	Flared/Sold	
Poker Lake Unit 25 BD 104H		F-25-25S-30E	1650' FNL & 2085' FWL	2800	Flared/Sold	
Poker Lake Unit 25 BD 123H		F-25-25S-30E	1615' FNL & 1835' FWL	4800	Flared/Sold	
Poker Lake Unit 25 BD 124H		F-25-25S-30E	1615' FNL & 2085' FWL	3300	Flared/Sold	
Poker Lake Unit 25 BD 703H		F-25-25S-30E	1685' FNL & 2085' FWL	2900	Flared/Sold	
Poker Lake Unit 25 BD 903H		F-25-25S-30E	1650' FNL & 1835' FWL	3000	Flared/Sold	
Poker Lake Unit 25 BD 707H		H-25-25S-30E	2310' FNL & 720' FEL	2600	Flared/Sold	
Poker Lake Unit 25 BD 907H		H-25-25S-30E	2310' FNL & 690' FEL	2700	Flared/Sold	
Poker Lake Unit 25 BD 108H		H-25-25S-30E	2310' FNL & 600' FEL	2600	Flared/Sold	
Poker Lake Unit 25 BD 127H		H-25-25S-30E	2310' FNL & 660' FEL	4300	Flared/Sold	
Poker Lake Unit 25 BD 128H		H-25-25S-30E	2310' FNL & 630' FEL	4300	Flared/Sold	



APD ID: 10400034832

Submission Date: 10/03/2018

Highlighted data reflects the most recent changes

Operator Name: XTO PERMIAN OPERATING LLC

Well Name: POKER LAKE UNIT 25 BD

Well Number: 123H

[Show Final Text](#)

Well Type: CONVENTIONAL GAS WELL

Well Work Type: Drill

### Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical Depth	Measured Depth	Lithologies	Mineral Resources	Producing Formation
1	PERMIAN	3345	0	0	OTHER : Quaternary	NONE	No
2	RUSTLER	2349	996	996	SILTSTONE	USEABLE WATER	No
3	TOP SALT	2051	1294	1294	SALT	OTHER : Produced Water	No
4	BASE OF SALT	-455	3800	3800	SALT	OTHER : Produced Water	No
5	DELAWARE	-668	4013	4013	SANDSTONE	NATURAL GAS,OIL,OTHER : Produced Water	No
6	BONE SPRING	-4540	7885	7885	SANDSTONE	NATURAL GAS,OIL,OTHER : Produced Water	No
7	BONE SPRING 1ST	-5527	8872	8872	SANDSTONE	NATURAL GAS,OIL,OTHER : Produced Water	No
8	BONE SPRING 2ND	-6289	9634	9634	SANDSTONE	NATURAL GAS,OIL,OTHER : Produced Water	No
9	BONE SPRING 3RD	-7483	10828	10828	SANDSTONE	NATURAL GAS,OIL,OTHER : Produced Water	No
10	WOLFCAMP	-7887	11232	11232	SHALE	NATURAL GAS,OTHER : Produced Water	Yes

### Section 2 - Blowout Prevention

Pressure Rating (PSI): 5M

Rating Depth: 11637

**Equipment:** The blow out preventer equipment (BOP) for this well consists of a 13-5/8" minimum 5M Hydril and a 13-5/8" minimum 5M Double Ram BOP. MASP should not exceed 4096 psi.

**Requesting Variance? YES**

**Variance request:** A variance is requested to allow use of a flex hose as the choke line from the BOP to the Choke Manifold. If this hose is used, a copy of the manufacturer's certification and pressure test chart will be kept on the rig. Attached is an example of a certification and pressure test chart. The manufacturer does not require anchors. In any instance where 10M BOP is required by BLM, XTO requests a variance to utilize 5M annular with 10M ram preventers (a common BOP configuration, which allows use of 10M rams in unlikely event that pressures exceed 5M).

**Testing Procedure:** All BOP testing will be done by an independent service company. Annular pressure tests will be limited to 50% of the working pressure. When nipping up on the 13-5/8" 5M bradenhead and flange, the BOP test will be limited to 5000 psi. When nipping up on the 9-5/8", the BOP will be tested to a minimum of 5000 psi. All BOP tests will include a low pressure test as per BLM regulations. The 5M BOP diagrams are attached. Blind rams will be functioned tested each trip, pipe rams will be functioned tested each day.