

District I
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District II
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District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
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State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

SEP 12 2018

DISTRICT II-ARTESIA RECOMMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address BOPCO, LP 6401 Holiday Hill Rd, Bldg 5, Midland, TX 79707		² OGRID Number 260737
⁴ Property Code 322436		³ API Number 30-015-45237
⁵ Property Name POKER LAKE UNIT 36 DTD STATE SWD		⁶ Well No. 1

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
A	36	24S	30E		660	NORTH	660	EAST	Eddy

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County

9. Pool Information

SWD; Devonian	Pool Name	Pool Code 96101
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Additional Well Information

¹¹ Work Type NW	¹² Well Type S	¹³ Cable/Rotary R	¹⁴ Lease Type STATE	¹⁵ Ground Level Elevation 3,438'
¹⁶ Multiple	¹⁷ Proposed Depth 17,900'	¹⁸ Formation DEVONIAN	¹⁹ Contractor	²⁰ Spud Date ASAP
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

We will be using a closed-loop system in lieu of lined pits

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surface	24	18.625	J-55 87.5# BTC	960'	1570	0'
Inter	17.5	13.375	HCL-80 68# BTC	4,100'	3505	0'
Prod	12.25	9.625	P-110 53.5# BTC	12,100'	2300	3,500'

Casing/Cement Program: Additional Comments

Prod Liner: 8.5" hole, 7" P-110 32# BTC csg @ 11,800'-16,800' w/745sx cmt. TOC @ 11,800'. Prod hole: 6" 16,800'-17,900'

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Cameron Double Ram	10,000psi	5,000psi	

<p>²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that I have complied with 19.15.14.9 (A) NMAC <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/>, if applicable. Signature: <i>Kelly Kardos</i></p> <p>Printed name: Kelly Kardos</p> <p>Title: Regulatory Coordinator</p> <p>E-mail Address: kelly_kardos@xtoenergy.com</p> <p>Date: 09-11-18 Phone: 432-620-4374</p>	OIL CONSERVATION DIVISION	
	Approved By: <i>Raymond W. Polansky</i>	
	Title: <i>Geologist</i>	
	Approved Date: <i>9-14-18</i>	Expiration Date: <i>9-14-20</i>
	Conditions of Approval Attached <i>Approved C-108.</i>	

PLU Dog Town Draw 36 SWD #1

Proposed SWD Schematic (Sept 10, 2018)

County: Eddy
 SHL: 660' FNL, 660' FEL
 Sec 36, T 24S, R 30E

 BHL: 660' FNL, 660' FEL
 Sec 36, T 24S, R 30E



AFE # 1802747
 XTO ID # N/A

 API # N/A
 Elevation GL 3438', KB 3468' (30' AGL)
 Rig: TBD (RKB 30')

Geology	Casing & Cement	Wellhead	Hole Size	General Notes
(Tech Data Sheet)				
TVD Formation 672' Rustler	<u>Lead (100% OH excess)</u> 890 sx 12.8ppg Poz/C Top of Lead @ 0 <u>Tail (100% OH excess)</u> 680 sx 14.8ppg Class C Top of Tail @ 660' 18-5/8" 87.5# J-55 BTC	960' MD	24"	
1,255' Top Salt 4,018' Base Salt	<u>Lead (150% OH excess)</u> 2820 sx 12.8ppg Poz/C Top of Lead @ 0 <u>Tail (100% OH excess)</u> 685 sx 14.8ppg Class C Top of Tail @ 3500' 13-3/8" 68# HCL-80 BTC	4100' MD	17-1/2"	
4,204' Delaware 8,090' Bone Spring 11,393' Wolfcamp 11,946' Wolfcamp B	<u>Lead (100% OH excess)</u> 1900 sx 11.5ppg Poz/H Top of Lead @ 3500' <u>Tail (100% OH excess)</u> 400 sx 14.8ppg Poz/H Top of Tail @ 11400' 9-5/8" 53.5# P-110 BTC	11800' MD 12100' MD	12-1/4"	
13,996' Strawn 14,129' Atoka 14,583' Morrow 16,243' Mississippian Lm 16,618' Woodford 16,778' Devonian	<u>Tail (40% OH excess)</u> 745 sx 14.5ppg Poz/H Top of Tail @ 11800' 7" 32# P-110 BTC	16800' MD	8-1/2"	
17,900' TVD at BHL 17,921' Montoya	Open hole completion	17,900' MD 17,900' TVD	6"	

Approvals

Prepared by: _____

Peer Reviewed by: _____ Date

Reviewed by: _____

Approved by: _____