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JAN 22 2019

Form C-101
Revised July 18, 2013

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division DISTRICT II-ARTESIA O.C.D.
1220 South St. Francis Dr.
Santa Fe, NM 87505
☐ AMENDED 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
³ Property Code 324957		⁴ API Number 30-015-45691
⁵ Property Name JRU 36 RAMBLER STATE SWD		⁶ Well No. 1

⁷ Surface Location									
UL - Lot F	Section 36	Township 22S	Range 30E	Lot Idn	Feet from 1752	N/S Line NORTH	Feet From 2595	E/W Line WEST	County 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	
Pool Name SWD; Devonian	Pool Code 96101

Additional Well Information				
¹¹ Work Type N	¹² Well Type S	¹³ Cable/Rotary R	¹⁴ Lease Type STATE	¹⁵ Ground Level Elevation 3322'
¹⁶ Multiple	¹⁷ Proposed Depth 16,730'	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	450'	960	0'
Inter	17.5	13.375	HCL-80 68# BTC	3,708'	3345	0'
Prod	12.25	9.625	P-110 53.5# BTC	11,580'	3330	3,000'

Casing/Cement Program: Additional Comments
Prod Liner: 8.5" hole, 7" HCP-110 32# BTC csg @ 11,100'-15,610' w/665 sx cmt. TOC @ 11,100'. Prod hole: 6" 15,610'-16,730'

²² Proposed Blowout Prevention Program			
Type	Working Pressure	Test Pressure	Manufacturer
Cameron Double Ram	10,000psi	5,000psi	

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> Printed name: Kelly Kardos Title: Regulatory Coordinator E-mail Address: kelly_kardos@xtoenergy.com Date: 01-18-19 Phone: 432-620-4374	OIL CONSERVATION DIVISION	
	Approved By: <i>Raymond H. Rodary</i>	
	Title: <i>Geologist</i>	
	Approved Date: <i>2-7-19</i>	Expiration Date: <i>2-7-21</i>
	Conditions of Approval Attached <i>Approved C-108</i>	

Well cannot be spud until C108 is approved.

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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office
DISTRICT II-ARTESIA O.C.D.

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015- 45691	² Pool Code 96101	³ Pool Name SWD; Devonian
⁴ Property Code 324957	⁵ Property Name JRU 36 RAMBLER STATE SWD	
⁷ OGRID No. 260737	⁸ Operator Name BOPCO, LP	⁶ Well Number 1
		⁹ Elevation 3,322'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	36	22 S	30 E		1,752	NORTH	2,595	WEST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres 0	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

¹⁶		¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Stephanie Rabadue 01/03/2019 Signature Date Stephanie Rabadue Printed Name stephanie_rabadue@xtoenergy.com E-mail Address
¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. 1-3-2019 Date of Survey Signature and Seal of Professional Surveyor:		
GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y= 491,732.5 X= 654,189.9 LAT.= 32.350900°N LONG.= 103.834030°W CORNER COORDINATES TABLE NAD 27 NME A - Y= 490,836.8 N, X= 651,597.7 E B - Y= 493,476.8 N, X= 651,590.9 E C - Y= 493,484.9 N, X= 654,262.9 E D - Y= 490,844.4 N, X= 654,271.6 E	GEODETIC COORDINATES NAD 83 NME SURFACE LOCATION Y= 491,782.5 X= 695,372.1 LAT.= 32.351022°N LONG.= 103.834521°W CORNER COORDINATES TABLE NAD 83 NME A - Y= 490,896.8 N, X= 692,779.9 E B - Y= 493,536.7 N, X= 692,773.0 E C - Y= 493,545.0 N, X= 695,445.0 E D - Y= 490,904.4 N, X= 695,453.8 E	MARK DILLON HARP 23786 Certificate Number AI 2018112619

Rup 2-7-19

JRU 16 Rambler State SWD #1

Proposed SWD Schematic (Jan 18, 2019)

County: Eddy
SHL: 1752' FNL, 2595' FWL
Sec 36, T 22S, R 30E

BHL: 1752' FNL, 2595' FWL
Sec 36, T 22S, R 30E



AFE # DD.2019.00112
XTO ID # N/A
API # N/A
Elevation GL 3322', KB 3349' (27' AGL)
Rig: TBD (RKB 27')

Geology	Casing & Cement	Wellhead	Hole Size	General Notes
(Tech Data Sheet)				
298' Rustler	<u>Tail (100% OH excess)</u> 960 sx 14.8ppg Class C Top of Tail @ 0'	450' MD	24"	
710' Top Salt	<u>Lead (150% OH excess)</u> 2660 sx 12.8ppg Poz/C Top of Lead @ 0'		17-1/2"	
3,595' Base Salt	<u>Tail (100% OH excess)</u> 685 sx 14.8ppg Class C Top of Tail @ 2900'	3708' MD		
3,820' Delaware	<u>Sta 2 Lead (100% OH excess)</u> 765 sx 11.5ppg Poz/H Top of Lead @ 0'		12-1/4"	
	<u>Sta 2 Tail (100% OH excess)</u> 380 sx 14.8ppg Poz/H Top of Tail @ 3000'			
7,664' Bone Spring	<u>Sta 1 Lead (100% OH excess)</u> 1630 sx 11.5ppg Poz/H Top of Lead @ 3800'	11100' MD		
10,971' Wolfcamp	<u>Sta 1 Tail (100% OH excess)</u> 555 sx 14.8ppg Poz/H Top of Tail @ 10580'			
11,432' Wolfcamp B	9-5/8" 53.5# HCP-110 BTC	11580' MD		
12,544' Strawn			8-1/2"	
12,993' Atoka	<u>Tail (40% OH excess)</u> 685 sx 14.5ppg Poz/H Top of Tail @ 11100'			
13,632' Morrow				
15,000' Mississippian Lm				
15,442' Woodford				
15,594' Devonian	7" 32# HCP-110 BTC	15610' MD		
16,730' TVD at BHL	Open hole completion	16,730' MD	6"	
16,738' Montoya		16,730' TVD		
Approvals				
Prepared by: _____	Peer Reviewed by: _____ Date _____			
Reviewed by: _____	Approved by: _____			